OWNER'S MANUAL

ALFA
Spider

Dear Customer,

thank you for choosing Alfa Romeo.

*Your **Alfa Spider** has been designed to guarantee the safety, comfort and driving pleasure typical of Alfa Romeo.*

This booklet will help you to get to know the characteristics and operation of your car.

*The following pages contain all the indications necessary for you to be able to maintain the high standards of performance, quality, safety and respect for the environment which characterise this **Alfa Spider**.*

The enclosed Warranty Booklet also contains the regulations, the warranty certificate and a guide to the services offered by Alfa Romeo.

Services which are essential and precious because, when you purchase an Alfa Romeo you are not only acquiring a car, but the tranquillity that comes from knowing that an efficient, willing and widespread organization is at your service for any assistance problems you may have.

Enjoy the reading. And have a good trip.

This booklet describes all the versions of the Alfa Spider, so you should only consider the information concerning the trim level, engine and version purchased by you.

MUST BE READ!

REFUELLING

Petrol engines: only refuel with unleaded petrol with octane rating (RON) not less than 95.

Diesel engines: only refuel with diesel fuel conforming to the European specification EN590. The use of other products or mixtures may irreparably damage the engine with invalidation of the warranty due to the damage caused.

ENGINE STARTING

Petrol engines: ensure that the handbrake is up, fully press the clutch pedal, without pressing the accelerator, put the gear lever neutral, fit the electronic key into the ignition device to stop limit, briefly press the **START/STOP** button.

Diesel engines: ensure that the handbrake is up, fully press the clutch pedal, without pressing the accelerator, put the gear lever neutral, fit the electronic key down into the ignition device until it stops. The instrument panel warning light ᔓ will turn on, wait for the warning light ᔓ to turn off. The hotter the engine is, the quicker this will happen, briefly press the **START/STOP** button as soon as the warning light ᔓ turns on.

PARKING ON FLAMMABLE MATERIAL

While working, the catalyst develops a very high temperature. Do not park the car over grass, dry leaves, pine needles or any other inflammable materials: risk of fire.

RESPECTING THE ENVIRONMENT

A system for continuously monitoring emission system components to ensure greater environmental protection is fitted in your car.

ELECTRICAL ACCESSORIES

If, after buying the car, you decide to add electrical accessories (that will gradually drain the battery), contact Alfa Romeo Authorized Services. They can calculate the overall electrical requirement and check that the car's electric system can support the required load.

CODE CARD (for version/markets where applicable)

Keep the code card in a safe place, not in the car.

SCHEDULED SERVICING

Correct maintenance of the car is essential for ensuring it stays in tip-top condition and safeguards its safety features, its environmental friendliness and low running costs for a long time to come.

THE OWNER'S MANUAL CONTAINS...

...information, tips and important warnings regarding the safe, correct driving of your car, and its maintenance. Pay particular attention to the symbols ⚠ (personal safety) ⚠ (environmental protection) ⚠ (car well-being).

Any queries concerning servicing should be forwarded to the showroom from which the car was purchased, the subsidiary company or to our branch offices or any point of the Alfa Romeo Network.

Warranty Booklet

The Warranty Booklet is delivered together with every new car and contains the regulations tied to the services given by Alfa Romeo Services and to the warranty conditions.

Correctly carrying out the scheduled services specified by the manufacturer is the best way to maintain the performance, safety characteristics and low running costs of your car. It is also necessary to maintain warranty cover.

"Service" guide

This contains the Alfa Romeo Authorized Services. The services can be recognized by the presence of the Alfa Romeo badge and logo.

The Alfa Romeo organization in Italy can be found in the telephone book under the letter "A" Alfa Romeo.

Not all the models described in this booklet are available in all countries. Only some of the fittings described in this booklet are fitted as standard to the car. The list of available accessories should be requested from the Alfa Romeo Dealers.

THE SYMBOLS USED IN THIS BOOKLET

The symbols illustrated in these pages show the subjects which should, in particular, be closely studied.

PERSONAL SAFETY

Warning: partially or fully ignoring these rules may lead to serious injury.

PROTECTING THE ENVIRONMENT

This indicates the correct procedures to be followed to prevent the car from damaging the environment.

CAR SAFETY

Warning: partially or fully ignoring these rules may lead to serious damage being caused to the car which, in some circumstances, may cause forfeiture of the warranty cover.

The texts, illustrations and specifications given in this booklet refer to the car at the time of going to press. As part of our ongoing striving to improve our products, Alfa Romeo may introduce technical changes during production, therefore the specifications and fittings may be altered without prior notice. For details on this subject, please apply to the manufacturer's sales network.

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DASHBOARD

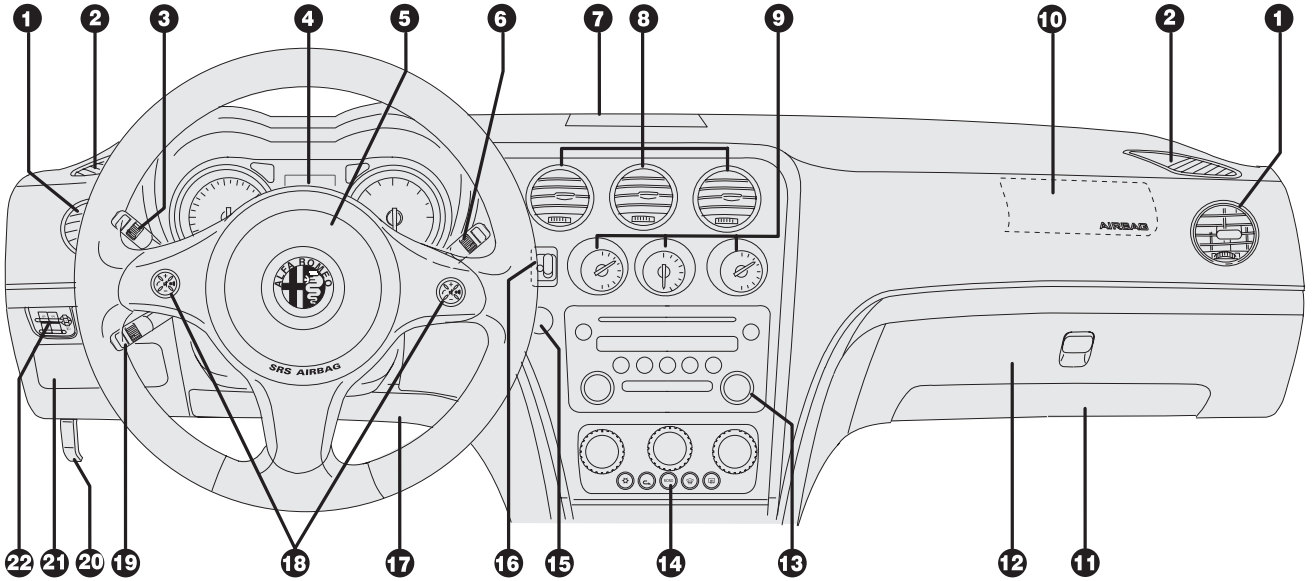


fig. 1

1. Adjustable and swivel side air vents - **2.** Front side window demisting/defrosting vents - **3.** External lights control lever **4.** Instrument panel - **5.** Driver's air bag and horn - **6.** Windscreen wiper control lever - **7.** Upper central vent **8.** Adjustable and swivel central air vents - **9.** Fuel level gauge/engine coolant temperature gauge/engine oil temperature gauge (petrol versions) or turbocharger pressure gauge (diesel versions) - **10.** Passenger's air bag - **11.** Passenger's knees air bag (where provided) - **12.** Glove box - **13.** Sound system - **14.** Heating/ventilation/climate controls - **15.** Engine **START**/**STOP** button - **16.** Ignition device - **17.** Driver's knees air bag - **18.** Sound system controls on the steering wheel (where provided) - **19.** Cruise Control lever (where provided) - **20.** Bonnet opening lever - **21.** Dashboard fusebox lid - **22.** Switches for external lights, trip meter reset and headlamp aiming device.

INSTRUMENT PANEL

A. Speedometer
B. Warning lights
C. Rev counter
D. Reconfigurable multifunction display

Warning lights on diesel versions only

On diesel versions the rev counter end scale value is at 6000 rpm.

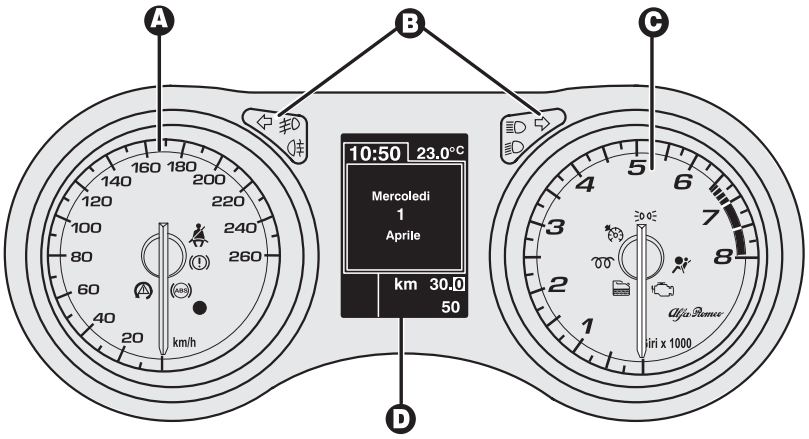


Fig. 2

SYMBOLS

Special coloured labels have been attached near or actually on some of the components of your car. These labels bear symbols that remind you of the precautions to be taken as regards that particular component.

The plate summarising the symbols used **fig. 3** can be found under the bonnet.

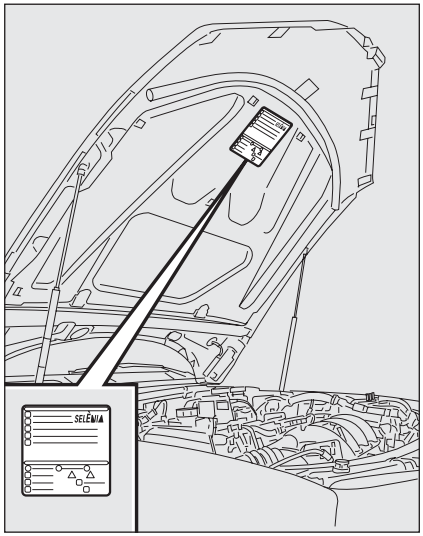


fig. 3

THE ALFA ROMEO CODE SYSTEM

To further protect you car from theft, it has been fitted with an engine immobilising system. This system is automatically activated when the electronic key is removed.

An electronic device, in fact, is fitted in each electronic key grip. The device transmits a radio-frequency signal when the engine is started through a special aerial built into the ignition switch on the dashboard. The modulated signal, which changes each time the engine is started, is the "password", by means of which the control unit recognises the electronic key and enables to start the engine.

OPERATION

Each time the electronic key is fitted into the ignition switch, the Alfa Romeo CODE system control unit sends a recognition code to the engine control unit to deactivate the inhibitor.

The code is sent only if the Alfa Romeo CODE system control unit has recognised the code transmitted from the electronic key.

If when fitting the electronic key into the ignition device or starting engine the code has not been recognised correctly, a message + symbol will be shown on the display (see section "Warning lights and messages").

In this case, the electronic key should be removed and refitted; if the lock continues, possibly try again with the other keys provided with the car. If it is still not possible to start the car contact Alfa Romeo Authorized Services.

Message + symbol displaying when driving

If message + symbol are displayed this means that the system is running a self-test (for example for a voltage drop).

If message + symbol continue to stay on the display, contact Alfa Romeo Authorized Services.

IMPORTANT Every electronic key has its own code, which must be memorised by the system control unit. To memorise new keys, up to a maximum of eight, apply solely to Alfa Romeo Authorized Services taking with you all the keys in your possession, the CODE card, a personal identity document and the car's possession documents. The codes of the keys not provided during the new memorising procedure are erased from the memory. This is to ensure that any lost or stolen keys can no longer be used to start the car.

The electronic components inside the key may be damaged if the key is submitted to sharp knocks.

If 2 seconds after fitting the electronic key into the ignition switch the message + symbol continue to be displayed, this means that the code of the keys has not been memorised, thus the car is not protected by the Alfa Romeo CODE system against attempted theft. In this case, contact an Alfa Romeo Authorized Service to have the key codes memorised.

ELECTRONIC KEY

CODE CARD (for version/markets where applicable)

The CODE card **fig. 4**, delivered with the keys, contains the mechanical code **A** and the electronic one **B**.

The code numbers on the CODE card must be kept in a safe place, not in the car.

If the car changes owner, the new owner must be given the electronic key and the CODE card.

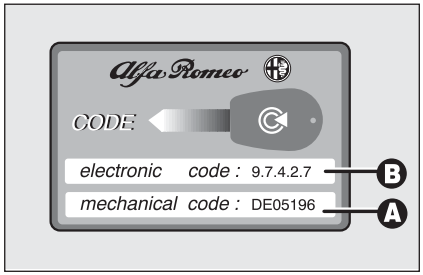


fig. 4 A0G0023m

ELECTRONIC KEY fig. 5

The car is delivered with two copies of the key with remote control.

The electronic key operates the ignition switch.

Button operates central locking of doors, tailgate and fuel lid with alarm activation (where provided).

Locking the doors will obtain door mirrors folding (where provided); refitting the key will reposition door mirrors automatically. This function can be deactivated (see paragraph "Rearview mirrors").

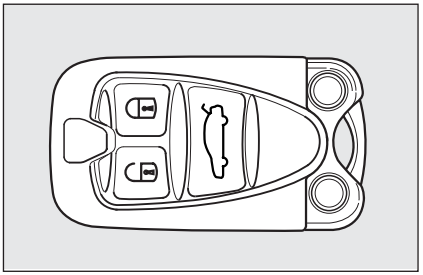


fig. 5 A0G0021m

Button operates central locking of doors, and fuel lid with alarm deactivation (where provided).

Button shall be used to open the tailgate.

After unlocking the doors by pressing button , if you do not open a door or the tailgate within 2.5 minutes the system will lock again automatically all the doors/tailgate.

When unlocking the doors, the driver's window will open slightly to facilitate door opening. The driver's window will close automatically after about 3 minutes if the door is not opened. The driver's window will reclose immediately if the door is opened.

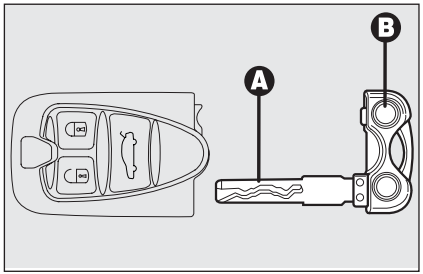


fig. 6

The electronic key **fig. 6** houses the metal insert **A**, that can be extracted by pressing button **B**.

The metal insert operates the following:

- ❒ central door locking/unlocking by operating the driver's door lock (with flat car battery only the driver's door will open);
- ❒ windows opening/closing;
- ❒ switch (where provided) for deactivating the passenger's air bag and knees air bag (where provided);
- ❒ safe-lock device (where provided);
- ❒ emergency unlocking of electronic key from ignition switch.

IMPORTANT Never expose the electronic key to direct sunlight: risk of damages.

IMPORTANT Remote control frequency may be disturbed by radio transmissions outside the car (e.g. mobile phones, hams, etc...). In this event remote control may be failing.

WARNING

Never leave the electronic key unattended to prevent anyone, especially children, from holding it and pressing button B-fig. 6. inadvertently.

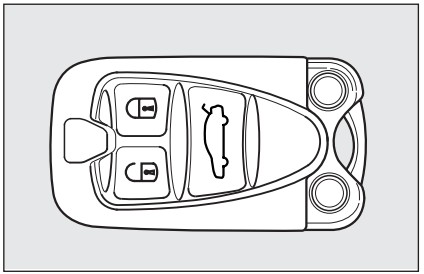


fig. 7

Replacing the battery of the electronic key

If when pressing button 🔓, 🔒, or 🚗, control given is refused or failing, the battery should be replaced with an equivalent one that can be purchased at common stores.

To be sure that the battery is to be replaced, try again to press buttons 🔓, 🔒, or 🚗 with another electronic key.

When closing the tailgate again, protection sensors are restored and direction indicators will flash once.

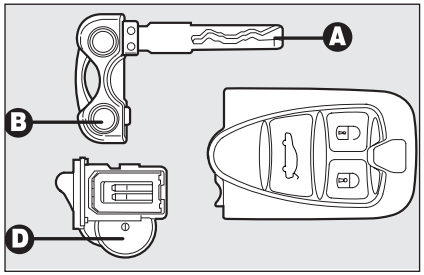


fig. 8 A0G0035m

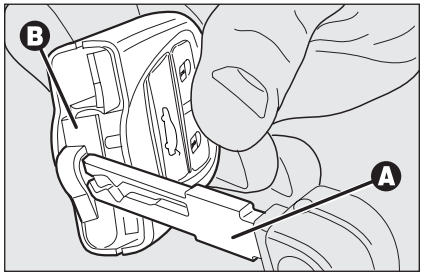


fig. 9 A0G0242m

To change the battery **fig. 8** proceed as follows:

- ❒ take out the metal insert **A** by pressing button **B**;
- ❒ remove the snap-fitted case **B-fig. 9** (red) by levering with the metal insert **A** of the electronic key in the point shown in the figure;
- ❒ remove the battery **D-fig. 8** from the case taking note of the bias (in the figure the positive pole is facing downwards);
- ❒ put the new battery into the case with the correct bias;
- ❒ put the case down into its seat and refit the metal insert.

IMPORTANT Never touch the electric contacts of the key and prevent fluid or dust infiltration inside it.

Used batteries are harmful to the environment. They should be disposed of as specified by law in the special containers provided, or take them to Alfa Romeo Authorized Services which will deal with their disposal.

SAFE LOCK DEVICE (where provided)

This safety system inhibits the operation of the car door handles.

The safe lock device represents top protection against break in attempts. Activate it each time you park the car.

WARNING

Once the safe lock device has been actuated, doors cannot be opened from inside the car in any way whatsoever. For this reason, make sure there are no persons left inside the car.

WARNING

If the car battery is down, the safe lock device can be activated only using the metal insert of the electronic key on the driver's door revolving plug: in this case the safe lock device is active on front passenger's door.

WARNING

If the key battery is flat, the safe lock device can only be deactivated by unlocking the doors by turning the metal insert of the electronic key into the driver's door lock or by fitting the electronic key into the ignition device.

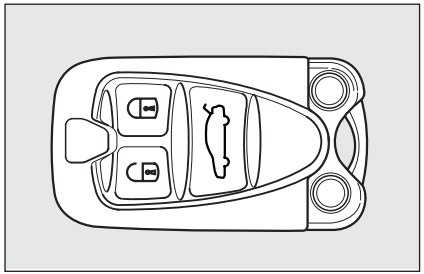


fig. 10 A0G0021m

Device activation

The device is automatically activated on every door in the following cases:

- ❒ turning twice the metal insert of the electronic key into the driver door to locking position;
- ❒ pressing twice the electronic key button 🔒.

Device activation is signalled by three flashes of the led on the driver's door panel and, only if activated by pressing the electronic key button 🔒, of direction indicators.

Should one of the doors be not perfectly closed, the safe lock device is not activated, thus preventing that a person getting into the car from the open door remains blocked inside the passenger's compartment when he/she closes the door.

Device deactivation

The device is deactivated automatically on every door in the following cases:

- ❒ when unlocking the doors;
- ❒ when unlocking only the driver's door (where possible);
- ❒ when fitting the electronic key into the ignition switch.

The main functions that can be activated with the electronic key or with the emergency metals insert are the following:

	Doors, tailgate and fuel cap unlocking	**Doors, tailgate and fuel cap locking**	**Window opening**	**Window closing**	**Safe lock (where provided)**	**Tailgate opening**
Electronic key	Brief press on button (*)	Brief press on button	Prolonged pressing (over 2 seconds) on button	Prolonged pressing (over 2 seconds) on button	Double pressing (within 1 second) on button	Brief press on button
Emergency metal insert	Electronic key rotation clockwise (*)	Electronic key rotation counter-clockwise	Electronic key rotation for over 2 seconds clockwise	Electronic key rotation for over 2 seconds counter-clockwise	Double electronic key rotation within 1 second counter-clockwise	–
Direction indicators flashing	2 flashings	1 flashing	2 flashings	1 flashing	3 flashings	2 flashings
Led on driver's door	Deterrence led off	Turning on fixed for 3 seconds, followed by deterrence led flashing	Deterrence led off	Turning on fixed for about 3 seconds, followed by deterrence led flashing	Double flashing, followed by deterrence led flashing	–

(*) It is possible to set the option "Unlocking front door only" through the "Setup Menu" (see paragraph "Reconfigurable multifunction display" in this section). In this case pressing button and turning the metal insert of the electronic key counter-clockwise will unlock the driver's door only. To unlock all the doors, press twice button within 1 second or turn twice the metal insert of the electronic key counter-clockwise.

IMPORTANT Window opening operation is a consequence of a door unlocking control. Window closing operation is a consequence of a door locking control.

ALARM (where provided)

WHEN THE ALARM IS TRIGGERED

The alarm comes into action in the following cases:

- ❒ unlawful opening of doors, bonnet and boot (perimetral protection);
- ❒ attempt to start the engine with unauthorised electronic key;
- ❒ battery cable cutting;
- ❒ presence of moving bodies in the passenger's compartment (volumetric protection);
- ❒ abnormal raising/sloping of the car (for versions/markets where applicable);

Volumetric and anti-raising protections can be cut off by operating the front ceiling light controls(see paragraph "Volumetric protection/Anti-raising sensor" on the following pages).

Depending on the markets, the triggering of the alarm will activate the siren and the hazard warning lights (for about 26 seconds). The methods of operation and the number of cycles may vary depending on the versions/markets.

A maximum number of sound/sight cycles is however envisaged. Once the alarm cycle is over, the system will restore its normal operation.

IMPORTANT Central door unlocking by the emergency electronic key will not deactivate the alarm, therefore with alarm on the siren will activate when opening one of the doors or the boot. To deactivate the siren see paragraph "How to deactivate the alarm".

IMPORTANT The engine immobiliser function is guaranteed by the Alfa Romeo CODE system, which is automatically activated when the electronic key is removed from the ignition device.

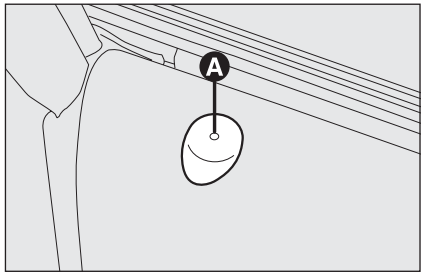


fig. 11 A0G0034m

HOW TO ACTIVATE THE ALARM

With the doors, bonnet and boot shut and electronic key removed from ignition switch, point the electronic key in the direction of the car, then press and release the button 🔒.

With the exception of certain markets, the system sounds a "beep" and the doors are locked.

Engagement of the alarm is preceded by a self-diagnostic test characterised by a different flashing of the driver's door led **A-fig. 11**: if a fault is detected the system sounds a further warning "beep".

Surveillance

When the system has been turned on, the led **A-fig. 11** will flash to indicate that the system is in the surveillance mode. The led will flash continuously while the system is under surveillance.

IMPORTANT Operation of the alarm is adapted at the origin to the regulations of the different countries.

Self-diagnosis and monitoring of doors/bonnet/boot

If, after the alarm has been activated, a second acoustic signal is heard, turn the system off by pressing button 🔓, check for proper locking of doors, bonnet and boot, then turn the system on again by pressing button 🔒.

Otherwise if a door or bonnet/boot lid is not correctly closed it will not be controlled by the system. If the control signal is repeated when the doors and bonnet/boot are closed properly this means that the self-diagnosis function has detected a system operating fault, in which case it is necessary to contact Alfa Romeo Authorized Services.

HOW TO DEACTIVATE THE ALARM

Press button 🔓. The system will react as follows (with the exception of certain markets):

- ❒ two brief flashes of the direction indicators;
- ❒ two brief "beeps";
- ❒ door unlocking.

The alarm can be deactivated by fitting the electronic key into the ignition switch.

IMPORTANT On certain versions any attempt to break in detected by the system will be indicated by a warning message on the instrument panel display when fitting the electronic key into the ignition switch.

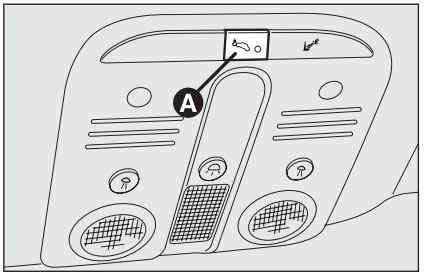


fig. 12 A0G0086m

VOLUMETRIC PROTECTION/ ANTI-RAISING SENSORS

To make sure that the protection sensors are working properly, check that windows are shut.

This function can be cut out (for example if you leave animals on the car) by pressing button **A-fig. 12** on the front ceiling light within 1 minute after instrument panel turning off.

When this function is off the button led will turn on. Volumetric protection/anti-raising sensors cut out shall be repeated at each instrument panel turning off.

HOW TO CUT OFF THE ALARM SYSTEM

To deactivate the alarm system completely (for instance during prolonged inactivity of the car) simply lock the car by rotating the metal insert (provided inside the electronic key) into the driver's door lock.

MINISTERIAL HOMOLOGATION

In keeping with the laws in force in each country on the subject of radio frequency, for markets in which the transmitter needs to be marked the certification number is given on the component. For certain versions/markets, the code may also be marked on the transmitter and/or on the receiver.

IGNITION DEVICE

The ignition device is located on the dashboard and it consists of the following:

- ❒ electronic key reading device **A-fig. 13** (set near the steering wheel);
- ❒ button **START/STOP** (set under the electronic key reading device).

IMPORTANT To prevent running down the battery do not leave the electronic key into the ignition device when the engine is off.

WARNING

If the ignition device is tampered with (for example during an attempted break-in) have it checked over by Alfa Romeo Authorized Services before travelling again.

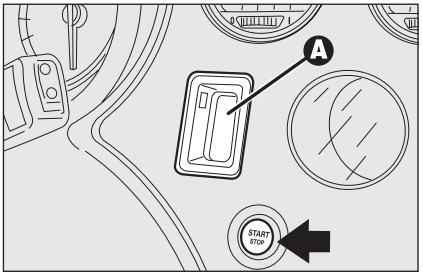


fig. 13 A0G0219m

WARNING

When leaving the car always remove the electronic key from the ignition device to prevent any passenger in the car from inadvertently activating the controls. Remember to engage the handbrake and if the car is facing uphill, first gear and if the car is facing downhill, reverse. Never leave children unattended in the car.

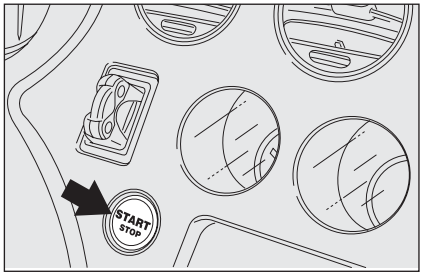


fig. 14 A0G0028m

ENGINE STARTING

See paragraph "Engine starting" in section "Correct use of the car".

START/STOP BUTTON fig. 14

Button **START/STOP**, set on the dashboard, controls car electric systems and engine starting/stopping.

Button **START/STOP** is fitted with knurled ring and led. When the led and the instrument panel are on, the engine can be started.

TURNING THE INSTRUMENT PANEL ON

Proceed as follows:

- ❒ fit the electronic key into the ignition device;
- ❒ if the electronic key is fitted yet, press button **START/STOP** without pressing the clutch or brake pedal.

To safeguard the battery, when leaving the car with the instrument panel on, electric and electronic devices will be deactivated after approx. 1 hour.

IMPORTANT Fit the electronic key into the ignition device completely until it locks into place.

IMPORTANT If when fitting the electronic key into the ignition device the instrument panel stays off, contact Alfa Romeo Authorized Services.

IMPORTANT If when fitting the electronic key into the ignition device, symbol is displayed (on certain versions together with a message) check whether the electronic key is the proper one and then try to refit it into the ignition device. If the problem persists contact Alfa Romeo Authorized Services.

TURNING THE INSTRUMENT PANEL OFF

With the engine off and brake and clutch pedal released, press button **START/STOP** or take the electronic key out of the ignition device.

Few seconds after the instrument panel will gradually turn off.

IMPORTANT If when removing the electronic key from the ignition device the instrument panel stays on, contact Alfa Romeo Authorized Services.

STEERING COLUMN LOCK

Engaging

The steering column lock will engage 5 seconds after removing the electronic key from the ignition device and if the following conditions are present:

- ❒ engine off;
- ❒ instrument panel off with car at a standstill;
- ❒ electronic key removed from ignition device.

Disengaging

The steering column lock will disengage after fitting the electronic key into the ignition device.

IMPORTANT Switching the engine off when the car is running will not engage the steering column lock till next switching off of the engine with car stopped. In this event a dedicated message will be displayed.

IMPORTANT Steering column lock failure is indicated by symbol + message on the display. In this event contact Alfa Romeo Authorized Services.

IMPORTANT If after turning the instrument panel on and/or starting the engine, the display shows the message "Car protection system not available", repeat the operation using the moving the steering wheel to facilitate steering column unlocking. Displaying of the warning message will not impair steering column lock regular operation.

WARNING

It is absolutely forbidden to carry out whatever after-market operation involving steering system or steering column modifications (e.g.: installation of anti-theft device) that could badly affect performance and safety, cause the lapse of warranty and also result in non-compliance of the car with homologation requirements.

INSTRUMENTS

REV. COUNTER

Rev counter shows engine rpm. The danger zone (red) indicates excessive high engine revs. Do not drive for long periods with the pointer in this area.

IMPORTANT The electronic injection control system gradually shuts off the flow of fuel when the engine is "over-revving" (rev counter pointer in the red area), resulting in a gradual loss of engine power, in order to restore proper engine rpm.

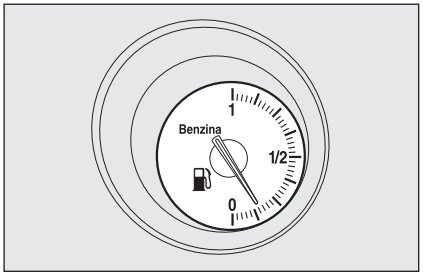


fig. 15

When the engine is idling, the rev counter may indicate a gradual or sudden speed increase. This is normal as it takes place during normal operation, for example when activating the climate control system or the fan. In particular a slow change in the speed preserves the battery charge.

FUEL GAUGE fig. 15

The pointer shows the amount of fuel left in the tank.

0 - tank empty.

1 - tank full (see the indications given in paragraph "At the filling station").

The fuel gauge warning light turns on to indicate that approx. 10 litres of fuel are left in the tank. When range falls below 50 km (or 31 mi) the display will show a dedicated warning message.

If ⛽ warning light starts flashing when travelling, contact Alfa Romeo Authorized Services.

IMPORTANT Under certain conditions (heavy slopes, for instance), the reading on the gauge may differ from the actual amount of fuel in the tank and changes in level may be indicated late. This condition falls within the regular operating logics of the fuel gauge.

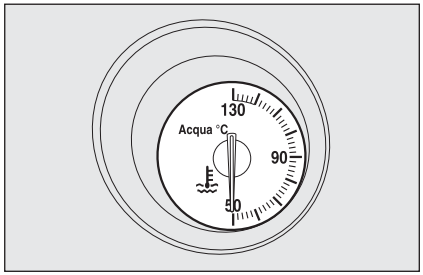


fig. 16

ENGINE COOLANT TEMPERATURE GAUGE fig. 16

This shows the temperature of the engine coolant fluid and begins working when the fluid temperature exceeds approx. 50°C.

The pointer should normally be towards the middle of the scale. If the pointer reaches the red sector, reduce your demand on the engine.

The turning on of the warning light (together with a message on the display) indicates that the coolant fluid temperature is too high; in this case, stop the engine and contact Alfa Romeo Authorized Services.

IMPORTANT The temperature of the engine coolant may rise towards the maximum values (red sector) when the car is driven at low speeds, uphill, fully laden or during towing, especially if the ambient temperature is high.

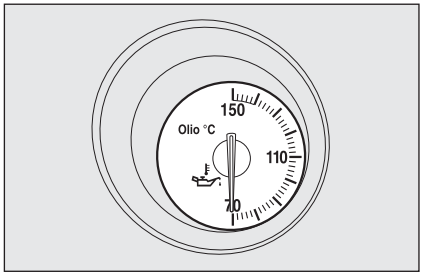


fig. 17 A0G0179m

ENGINE OIL TEMPERATURE GAUGE fig. 17

This shows the temperature of the engine oil and begins working when the oil temperature exceeds approx. 70°C.

If the pointer reaches the red sector, reduce your demand on the engine.

The turning on of the warning light when travelling (together with a message on the display) indicates that the oil temperature is too high; in this case, stop the engine and contact Alfa Romeo Authorized Services.

IMPORTANT The temperature of the engine oil may rise towards the maximum values (red sector) when the car is driven at low speeds, uphill, fully laden or during towing, especially if the ambient temperature is high.

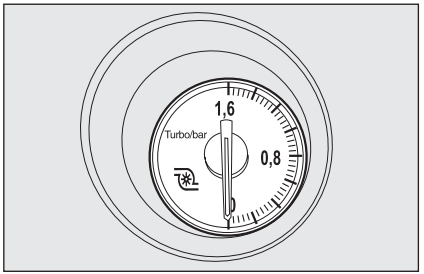


fig. 18 A0F0180m

TURBOCHARGER PRESSURE GAUGE (diesel versions) fig. 18

This shows the turbocharger pressure value.

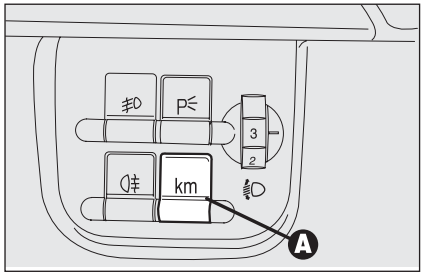


fig. 18/a

TRIP METER RESET fig. 18/a

To reset the trip meter, keep button **A** pressed for a few seconds.

MANUAL INSTRUMENT PANEL LIGHT DIMMER

With this function it is possible to adjust on 8 levels the light intensity of the indications given on the instrument panel display, sound system display, climate control system display, radionavigation system display (where provided), and instruments (i.e.: fuel level gauge, engine oil temperature gauge for petrol versions or turbocharger pressure gauge for diesel versions, and engine coolant temperature gauge).

To increase lighting press briefly button **+** on the left stalk and press button **–** for dimming: the display will show a message and the figure indicating the current lighting level selected. This screen will stay on for a few seconds then it turns off.

AUTOMATIC INSTRUMENT PANEL LIGHT DIMMER

To give max. visibility and comfort under whatever driving conditions (e.g.: lights on in daylight, tunnels, etc...), the speedometer is fitted with a sensor for adjusting automatically, after fitting the electronic key into the ignition device and pressing button **START/STOP**, the light intensity of the instrument panel display, sound system display, climate control system display, radionavigation system display (where provided), and instruments (i.e.: fuel level gauge, engine oil temperature gauge for petrol versions or turbocharger pressure gauge for diesel versions, and engine coolant temperature gauge).

RECONFIGURABLE MULTIFUNCTION DISPLAY

The "Reconfigurable multifunction display" shows all the useful information necessary when driving, more particularly:

INFORMATION ON STANDARD SCREEN

- ❒ Clock **A-fig. 19**;
- ❒ External temperature **B**;
- ❒ Date **C**;
- ❒ Partial km (or miles) covered **D**;
- ❒ Total km (or miles) covered **E**;
- ❒ Indications on car conditions **F** (e.g.: doors open, or possible ice on road, etc. ...).

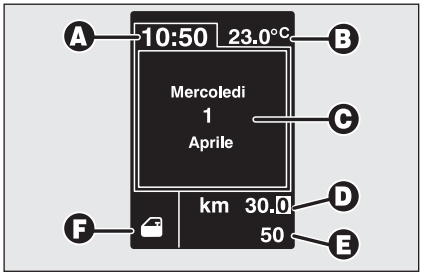


fig. 19 A0G0015m

The date **C** in the middle of the display will stay on until another display info is activated (e.g. "Light dimmer") or other information on car conditions.

With ignition key removed (when opening a door) the display will turn on and indicate for a few seconds time, km (or mi) covered and external temperature .

INFORMATION ABOUT CAR CONDITIONS (at event)

- ❒ Scheduled servicing;
- ❒ Trip computer;
- ❒ Instrument panel light dimmer;
- ❒ Engine oil level;

IMPORTANT When opening a door the display will show for a few seconds the time, the km covered and the external temperature.

CONTROL BUTTONS

MENU

Short push on button: to confirm the required option and/or to go to next screen;

Long push on button: to go back to previous screen without storing setting;

+/− to scroll up/down the "Setup Menu" options or to increase/decrease the value displayed on the screen.

When the standard screen is displayed buttons **+/−** activate instrument panel light dimming.

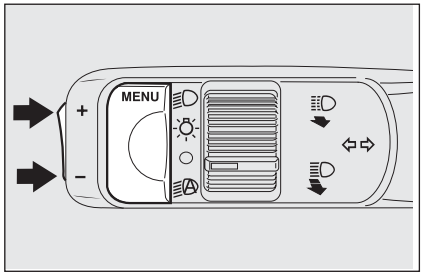


fig. 20

"SETUP MENU"

There is also a "Setup Menu" enabling to perform the adjustments and/or settings described on the following pages by pressing button **MENU** and **+/−** (see **fig. 20**). The Setup menu can be activated by pressing briefly button **MENU**.

The menu comprises a series of functions arranged in a "circular fashion" **fig. 25**.

Selecting an option of the main menu without submenu:

- ❒ briefly press button **MENU** to select the main menu option to set;
- ❒ operate buttons **+** or **−** (by single press) to select the new setting;
- ❒ briefly press button **MENU** to store new setting and go back to the previously selected option of the main menu.

Selecting an option of the main menu with submenu:

- ❒ briefly press button **MENU** to display the first submenu option;
- ❒ operate buttons **+** or **—** (by single press) to scroll all submenu options;
- ❒ briefly press button **MENU** to select the displayed submenu option and to enter the corresponding setup menu;
- ❒ operate buttons **+** or **—** (by single press) to select the new setting of this submenu option;
- ❒ briefly press button **MENU** to store the new setting and go back to the previously selected submenu option.

Selecting "Date" and "Clock":

- ❒ briefly press button **MENU** to select the first value to change (e.g. hours /minutes or year /month /day);
- ❒ operate buttons **+** or **—** (by single press) to select the new setting;
- ❒ briefly press button **MENU** to store new setting and go back to the previously selected option of the main menu, if this is the last one you will go back to the previously selected option of the main menu.

ENGINE OIL LEVEL DISPLAY

Fitting the electronic key into the ignition device, the display will show for a few seconds the engine oil level. At this stage, to clear this indication and to go to next screen, press button **MENU**.

If engine oil level is too low/high, the display will show the relevant warning message.

IMPORTANT Check the proper engine oil level on the dipstick (see paragraph "Checking fluid levels" in section "Car maintenance").

IMPORTANT Proper engine oil level shall be checked with the car on level ground.

IMPORTANT For proper oil level reading, after fitting the key wait for at least 2 seconds before starting the engine.

IMPORTANT Engine oil level may appear increased after prolonged parking.

Briefly press button **MENU** to access navigation from the standard screen. To surf the menu press buttons **+** or **–**. For safety reasons, when the car is running, it is possible to access only the reduced menu (for setting "Speed limit"). When the car is stationary access to the whole menu is enabled. On cars fitted with radionavigation system, only the following functions can be set: "Speed limit", "Automatic headlight daylight sensor" (where provided) e "S.B.R. buzzer reactivation". The other functions are displayed and can be set/adjusted on the radionavigation system display.

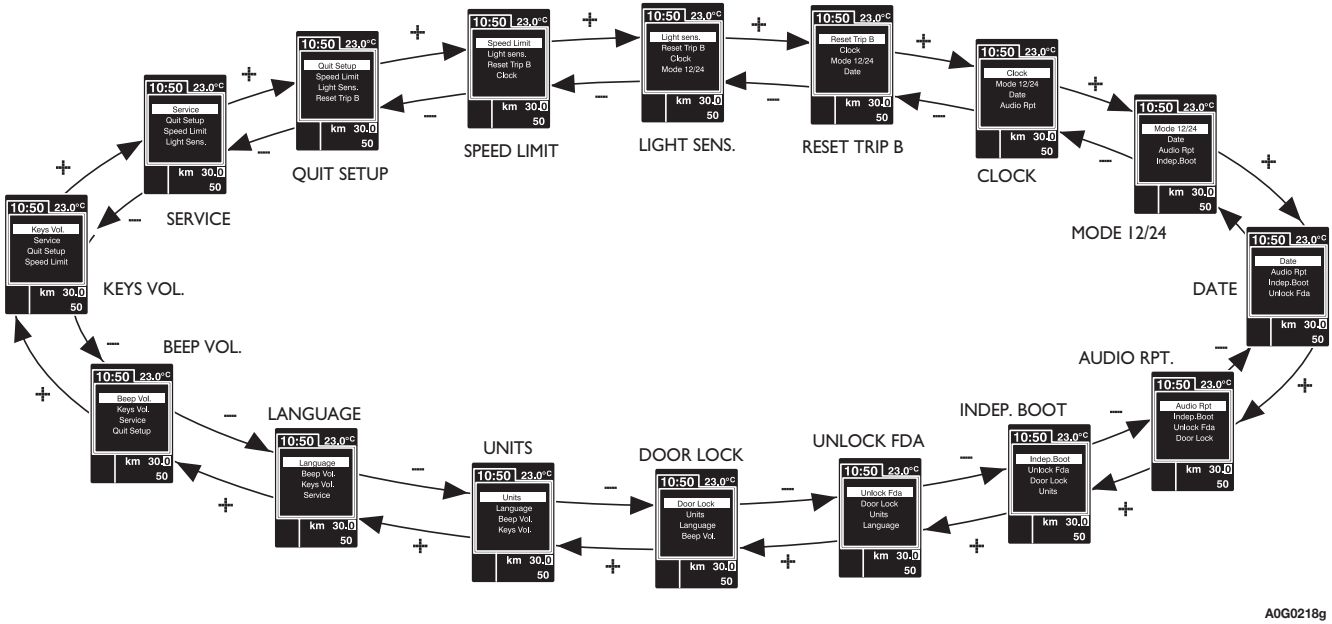


fig. 21

Speed limit (Speed limit)

With this function it is possible to set the car speed limit (km/h or mph), which, if exceeded, automatically sounds a buzzer and displays a special message (see section "Warning lights and messages") to alert the driver.

To set the speed limit, proceed as follows:

- ❒ briefly press button **MENU**: **OFF** will be displayed;
- ❒ press button **+**: **ON** will be displayed;
- ❒ briefly press button **MENU** then, use buttons **+/—** to set the required speed (during setting the value will flash).
- ❒ briefly press button **MENU** to go back to the menu screen or press the button for long to go back to the standard screen.

IMPORTANT The possible setting is between 30 and 250 km/h (or between 20 and 150 mph) depending on the unit set previously (see paragraph "Units" described later). Every press (pulse) of the button **+/—** increases or decreases the value by 5 units. Keeping the button **+/—** pressed obtains automatic fast increase or decrease. When you are near the required setting complete adjustment with single presses.

To abort the setting:

- ❒ briefly press button **MENU**: **ON** will be displayed;
- ❒ press button **—**: **OFF** will be displayed;
- ❒ briefly press button **MENU** to go back to the menu screen or press the button for long to go back to the standard screen.

Automatic headlight daylight sensor (where provided) (Light Sens.)

With this function it is possible to adjust the light sensor sensitivity according to 3 levels.

To adjust the volume proceed as follows:

- ❒ briefly press button **MENU**: the previously set level will be displayed;
- ❒ press button **+** or **—** for setting as required;
- ❒ briefly press button **MENU** to go back to the menu screen or press the button for long to go back to the standard screen.

Reset Trip B (Reset Trip B)

This function enables to select Trip B reset mode (Automatic or Manual).

For further information see paragraph "Trip computer".

Setting the clock (Clock)

This function enables to set the clock.

Proceed as follows:

- ❒ briefly press button **MENU**: "hours" will be displayed;
- ❒ press button + or − for setting as required;
- ❒ briefly press button **MENU**: "minutes" will be displayed;
- ❒ press button + or − for setting as required;

IMPORTANT Every press (pulse) on the button +/− increases/decreases by one unit. Keeping button +/− pressed obtains fast increase/decrease. When you are near the required setting complete adjustment with single presses.

- ❒ briefly press button **MENU** to go back to the menu screen or press the button for long to go back to the standard screen.

Clock mode (Mode 12/24)

This function is used to set the clock in the 12h or 24h mode.

To adjust proceed as follows:

- ❒ briefly press button **MENU**: the display will show 12h or 24h (according to previous setting);
- ❒ press button + or − for setting as required;
- ❒ briefly press button **MENU** to go back to the menu screen or press the button for long to go back to the standard screen.

Setting the date (Date)

This function enables to update the date (year - month - day).

Proceed as follows:

- ❒ briefly press button **MENU** : "year" will flash on the display;
- ❒ press button **+** or **—** for setting as required;
- ❒ briefly press button **MENU**: "month" will flash on the display;
- ❒ press button **+** or **—** for setting as required;
- ❒ briefly press button **MENU** : "day" will flash on the display;
- ❒ press button **+** or **—** for setting as required;

IMPORTANT Every press (pulse) on the button **+/—** increases/decreases by one unit. Keeping button **+/—** pressed obtains fast increase/decrease. When you are near the required setting complete adjustment with single presses.

- ❒ briefly press button **MENU** to go back to the menu screen or press the button for long to go back to the standard screen.

Audio Info Repetition (Audio Rpt.) (where provided)

This function enables to display sound system information.

- ❒ Radio: selected radio station frequency or RDS message, automatic tuning activation or AutoSTore;
- ❒ audio CD, MP3 CD: selected track number;
- ❒ CD Changer: CD number and track number;

To activate/deactivate (**ON**/**OFF**) info displaying proceed as follows:

- ❒ briefly press button **MENU**: the display will show **ON** or **OFF** (according to previous setting);
- ❒ press button **+** or **—** for setting as required;
- ❒ briefly press button **MENU** to go back to the menu screen or press the button for long to go back to the standard screen.

According to the audio source selected, below the time will be displayed the symbol of the current source.

Independent boot unlocking (Indep. Boot)

The boot can always be opened with the remote control (press button). "Indep. Boot" option enables or disables the button set on the armrest, more particularly: with "Indep. Boot ON" the button is always disabled. With "Indep. Boot OFF" the button is enabled and pressing the button will unlock the boot if door locks are unlocked.

To activate this function (disabling the armrest button) (**ON**) or to deactivate it (**OFF**, boot interlocking with doors), proceed as follows:

- ❒ briefly press button **MENU**: the display will show **ON** or **OFF** (according to previous setting);
- ❒ press button **+** or **—** for setting as required;
- ❒ briefly press button **MENU** to go back to the menu screen or press the button for long to go back to the standard screen.

Driver's door unlocking (Unlock Fda)

With this function it is possible to unlock only the driver's door by pressing the electronic key button .

With this function active (**ON**) it is however possible to unlock the other doors by pressing the door unlock button on central console.

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

- ❒ briefly press button **MENU**: the display will show **ON** or **OFF** (according to previous setting);
- ❒ press button **+** or **—** for setting as required;
- ❒ briefly press button **MENU** to go back to the menu screen or press the button for long to go back to the standard screen.

Automatic central door locking (Door lock)

When activated (**ON**), this function locks automatically the doors when the car speed exceeds 20 km/h.

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

- ❒ briefly press button **MENU**: the display will show **ON** or **OFF** (according to previous setting);
- ❒ press button **+** or **—** for setting as required;
- ❒ briefly press button **MENU** to go back to the menu screen or press the button for long to go back to the standard screen.

When the function is on, the button round led is on .

Units

With this function it is possible to set the units for distance covered (km or mi), fuel consumption (l/100 km, km/l or mpg) and temperature (°C or °F).

Distance

To set the required unit proceed as follows:

- ❒ briefly press button **MENU**: the display will show "km" or "mi" (according to previous setting);
- ❒ press button **+** or **–** for setting as required;
- ❒ briefly press button **MENU** to go back to the menu screen or press the button for long to go back to the standard screen.

Consumption

If the distance unit set is km (see previous paragraph) the display will enable to set the fuel consumption unit in l/100 km, km/l or mpg.

If the distance unit set is "mi" (see previous paragraph) fuel consumption will be displayed in "mpg".

In this case the option "Cons.Unit" of the "Setup Menu" can be selected but it is locked on "mpg".

To set the required unit proceed as follows:

- ❒ briefly press button **MENU**: the display will show "km/l" or "l/100 km" (according to previous setting);
- ❒ press button **+** or **–** for setting as required;
- ❒ briefly press button **MENU** to go back to the menu screen or press the button for long to go back to the standard screen.

Temperature

This function enables to set the temperature unit (°C or °F).

To set the required unit proceed as follows:

- ❒ briefly press button **MENU**: the display will show °C or °F (according to previous setting);
- ❒ press button **+** or **–** for setting as required;
- ❒ briefly press button **MENU** to go back to the menu screen or press the button for long to go back to the standard screen.

Selecting the language (Language)

Display messages can be shown in the following languages: Italian, English, German, Portuguese, Spanish, French, Dutch and Brazilian.

To set the required language proceed as follows:

- ❒ briefly press button **MENU** : the display will show the previously set "language";
- ❒ press button **+** or **–** for setting as required;
- ❒ briefly press button **MENU** to go back to the menu screen or press the button for long to go back to the standard screen.

Adjusting the failure/warning buzzer volume (Beep Vol.)

With this function the volume of the buzzer accompanying any failure/warning indication can be adjusted according to 8 levels.

To adjust the volume proceed as follows:

- ❒ briefly press button **MENU**: the display will show the previously set volume "level";
- ❒ press button **+** or **–** for setting as required;
- ❒ briefly press button **MENU** to go back to the menu screen or press the button for long to go back to the standard screen.

Adjusting the button volume (Keys Vol.)

With this function the volume of the roger-beep accompanying the activation of certain buttons can be adjusted according to 8 levels.

To adjust the volume proceed as follows:

- ❒ briefly press button **MENU**: the display will show the previously set volume "level";
- ❒ press button **+** or **–** for setting as required;
- ❒ briefly press button **MENU** to go back to the menu screen or press the button for long to go back to the standard screen.

Scheduled Servicing (Service)

Through this function it is possible to display information connected to proper car servicing.

Proceed as follows:

- ❒ briefly press button **MENU**: service in km or mi, according to previous setting, will be displayed (see paragraph "Units");
- ❒ briefly press button **MENU** to go back to the menu screen or press the button for long to go back to the standard screen.

IMPORTANT The Service schedule includes car maintenance every 35,000 km (or 21,000 mi); this is shown automatically, with the electronic key into the ignition device starting from 2,000 km (or 1,240 mi) from this deadline and it will be displayed in km or miles according to the unit set. When a scheduled service interval ("coupon") is near to come, fitting the electronic key into the ignition device will display a message followed by the number of km/mi to go before car servicing. Contact Alfa Romeo Authorized Services to carry out any service operation provided by the Service schedule or by the Annual inspection plan, and to reset the display.

Reactivating the S.B.R. (Seat Belt Reminder) buzzer (Beep Seatb.)

This function is displayed only after the system has been deactivated by Alfa Romeo Authorized Services.

Exit Menu (Quit setup)

Selecting this option will bring back to standard screen.

ILLUMINATION OF REV COUNTER/INSTRUMENTS (NIGHT PANEL)

This function enables to turn on/off (**ON/OFF**) the illumination of rev counter and instruments. This function can be activated (only with electronic key fitted into ignition device, external lights on, and speedometer built-in sensor in poor outside light condition), by pressing for long button **–**. When this function is on, the display will show a warning message. Once on, the **NIGHT PANEL** function can be deactivated as follows:

- ❒ by long press on button **+** (also with external lights off);
- ❒ removing the electronic key from the ignition device.

When function is off the display will show a warning message.

Messages stay on the display for a few seconds, then they will go off. To stop displaying before time, briefly press button **MENU**.

TRIP COMPUTER

General features

The "Trip computer" displays information (with electronic key fitted into ignition device) relating to the operating status of the car. This function comprises the "General trip" concerning the "complete mission" of the car (journey) and "Trip B" concerning the partial mission of the car; this latter function (as shown in **fig. 22**) is "contained" within the complete mission.

Both functions are resettable (reset - start of new mission).

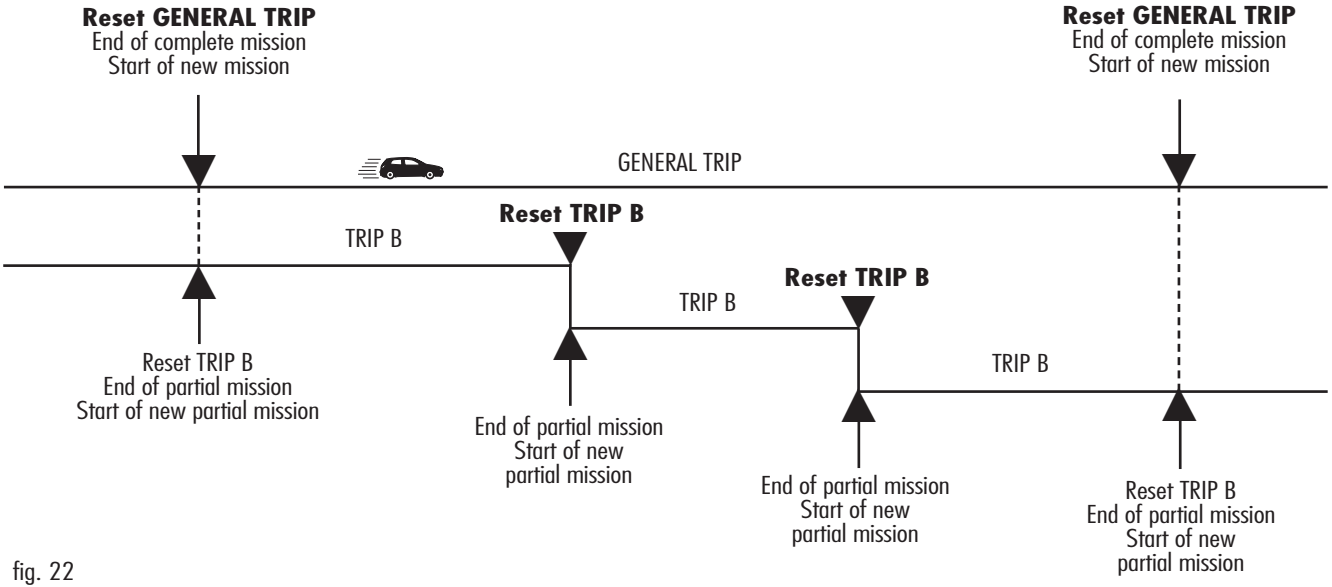


fig. 22

The "General Trip" displays the figures relating to:

- ❒ Average consumption
- ❒ Current consumption
- ❒ Average speed
- ❒ Travel time
- ❒ Range
- ❒ Travel Distance

"Trip B" displays information concerning :

- ❒ Travel Distance B
- ❒ Average consumption B
- ❒ Average speed B
- ❒ Travel time B.

Values displayed

Average consumption

Represents the indicative average of consumptions from the beginning of the new mission.

Current consumption

This value shows instant fuel consumption (this value is updated second by second). If parking the car with engine on, the display will show "----".

Average speed

This value shows the car average speed as a function of the overall time elapsed since the start of the new mission.

Travel time

This value shows the time elapsed since the start of the new mission (driving time).

Range

This value shows the distance in km (or mi) that the car can still cover before needing fuel, assuming that driving conditions are kept unvaried.

The display will show "----" in the following cases:

- ❒ value lower than 50 km (or 30 mi);
- ❒ car left parked with engine running for long.

IMPORTANT The variation of the autonomy value can be influenced by different factors: driving style (see what is described in paragraph "Driving style" in the chapter "Correct use of the car"), type of route (highways, urban, mountain, etc...), use conditions of the car (load transported, tire pressure, etc...). What was described previously must be taken in consideration when planning a trip.

Travel Distance

This value shows the distance covered from the start of the new mission.

Each time the battery is connected and each time a new mission is started (reset), the display will show "0.0".

New mission (reset)

Reset can be:

- ❒ "manual", reset is performed by the driver by pressing button **TRIP**;
- ❒ "automatic", reset is performed when the trip distance reaches 9999.9 km (or mi), when travel time reaches 99.59 (99 hours and 59 minutes) or after disconnecting and then reconnecting the battery.

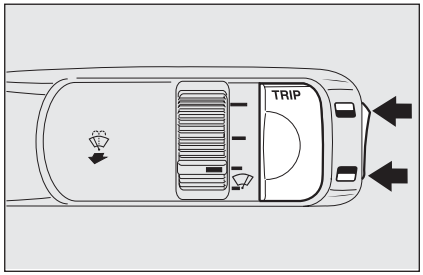


fig. 23

TRIP BUTTON

Button **TRIP fig. 23**, set on the right steering column stalk shall be used (with electronic key into ignition device) to enter the "General Trip" and "Trip B" function. To scroll the values of each option use buttons set aside the stalk.

Button **TRIP** shall also be used to reset the "General Trip" and "Trip B" functions to start a new mission:

- ❒ short push: to display the different values;
- ❒ long push: to reset and then start a new mission.

To scroll the Trip Computer options, briefly press buttons ▭ and ▭.

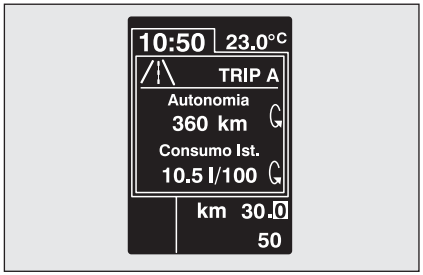


fig. 24 A0G0052m

IMPORTANT "General Trip" reset will also reset the "Trip B" function, whereas "Trip B" reset will only reset the information associated with this function.

Every Trip computer screen displays two options of the active Trip (Trip A or Trip B); one option is displayed at the top of the screen, the other one at the bottom (see **fig. 24**).

In the same screen it is not possible to have displayed at the same time the same option at the top and at the bottom of the screen.

Briefly press button **TRIP** to select the two Trip computer modes; use button ▭ to scroll the options at the top of the display, use button ▬ to scroll the options at the bottom of the display.

Press briefly button **TRIP** to go from Trip A to Trip B.

Start of journey procedure (reset)

Trip A and Trip B reset are independent.

Reset General Trip

With electronic key into ignition device, to reset the "General Trip" press and keep pressed button **TRIP** for over 2 seconds.

IMPORTANT Reset can be automatic only in the following cases:

- ❒ when the "Travel Distance" reaches 9999.9 km or the "Travel Time" reaches 99.59 (99 hours and 59 minutes);
- ❒ after disconnecting/reconnecting the battery.

At General Trip reset a warning message will be displayed.

SEATS

MANUALLY ADJUSTABLE SEATS fig. 25

WARNING

Only make adjustments when the car is stationary.

Fabric upholstery of your car is purpose-made to withstand common wear resulting from normal use of the car. It is however absolutely necessary to prevent hard and/or prolonged scratching/scraping caused by clothing accessories like metallic buckles, studs, "Velcro" fixings, etc. that stressing locally the fabric could break yarns and damage the upholstery as a consequence.

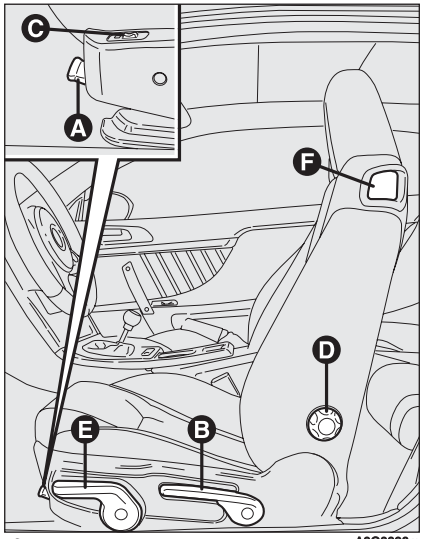


fig. 25

Moving the seat backwards or forwards

Lift the lever **A** (on the inner side of the seat) and push the seat forwards or backwards: in the driving position the arms should rest on the rim of the steering wheel.

WARNING

Once you have released the lever, check that the seat is firmly locked in the runners by trying to move it back and forth. Failure to lock the seat in place could result in the seat moving suddenly and the driver losing control of the car.

Height adjustment (where provided)

Move repeatedly lever **B** upwards or downwards to achieve the required height.

IMPORTANT Adjustment must be carried out only seated at the driver's seat.

Back rest angle adjustment

Press button **C** until obtaining the required position.

Lumbar adjustment (where provided)

Turn the knob **D** until obtaining the required position.

Back rest angle adjustment (where provided)

Use lever **E**. Pulling the lever upwards the seat will bend back by one position. Pushing the lever downwards the seat will bend forward.

Tilting the back rest

Pull handle **F**: the back rest will tilt and the seat can slide forward.

Bringing back the back rest the seat will return automatically to its original position (mechanical memory).

After bringing the back rest to its original position check tat it firmly locked. Check also that the seat is firmly locked in the runners by trying to move it back and forth.

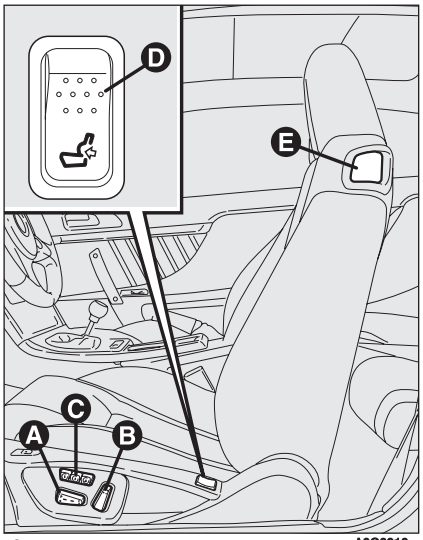


fig. 26

ELECTRICALLY ADJUSTABLE SEATS (where provided) fig. 26

WARNING

Only make adjustments when the car is stationary.

Seat controls are the following:

Multifunction control **A**:

- ❒ front seat height adjustment;
- ❒ rear seat height adjustment;
- ❒ vertical seat movement;
- ❒ longitudinal seat movement;

B: Back rest angle adjustment;

C: Driver's seat positions store buttons;

D: Lumbar adjustment;

E: Back rest tipping.

IMPORTANT Seat can only be adjusted when the electronic key is fitted into the ignition device and for about 1 minute from removing it or after pressing button **START/STOP**. After opening the door the seat can be adjusted for about 3 minutes or until closing the door.

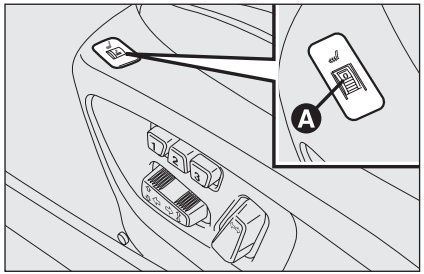


fig. 27

Seat warming (where provided)

With electronic key fitted into ignition device, turn ring nut **A-fig. 27** to turn this function on/off.

Seat warming can be adjusted to 3 different levels (**0** = seat warming off).

Storing driver's seat/ door mirror positions

Buttons **C** allows to store and recall three different driver's seat and door mirror positions. Storing and recalling are only possible with electronic key fitted into ignition device.

Stored position can only be recalled for about 3 minutes after opening the doors and for about 1 minute after removing the electronic key from the ignition device.

To store the required seat position, adjust it as required then press the button corresponding to position to store for a few seconds.

To recall the stored position, press briefly the corresponding button.

Storing a new position will automatically clear the one stored previously using the same button.

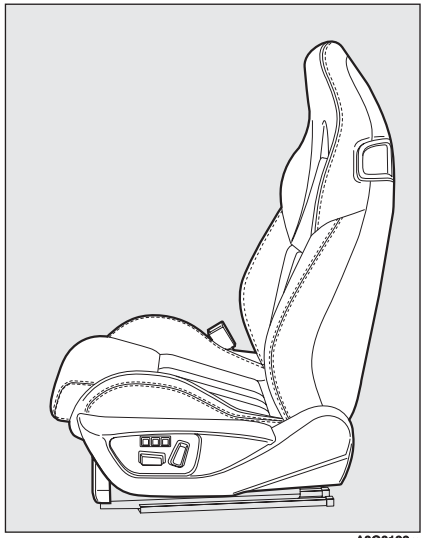


fig. 27/a

FRONT SEATS SPORTS (where provided) fig. 27/a

Certain versions are fitted with electrically adjustable front seats with sports configuration.

To adjust these seats see the indications contained in previous paragraphs.

HEAD RESTRAINTS

Head restraints are built into the seats.

STEERING WHEEL

The steering wheel can be adjusted both axially and in height.

Release the lever **A-fig. 28** pushing it downwards, then adjust the steering wheel as required. To lock the steering wheel, push lever **A** upwards.

WARNING

Any adjustment of the steering wheel position must be carried out only with the car stationary and the engine turned off.

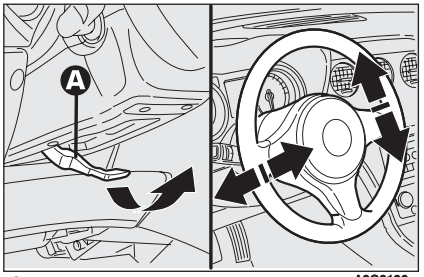


fig. 28

WARNING

It is absolutely forbidden to carry out whatever after-market operation involving steering system or steering column modifications (e.g.: installation of anti-theft device) that could badly affect performance and safety, cause the lapse of warranty and also result in non-compliance of the car with homologation requirements.

REARVIEW MIRRORS

DRIVING MIRROR

The mirror is fitted with a safety device that causes it to be released in the event of a violent crash.

Using lever **A-fig. 29** the mirror can be adjusted to two different positions: normal or antiglare.

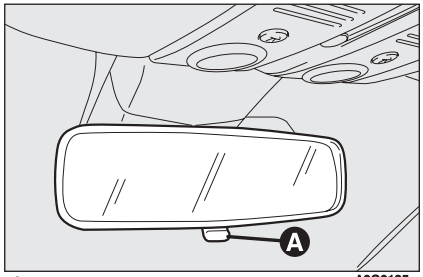


fig. 29

DOOR MIRRORS

Door mirror can only be adjusted and folded when the electronic key is fitted into the ignition device.

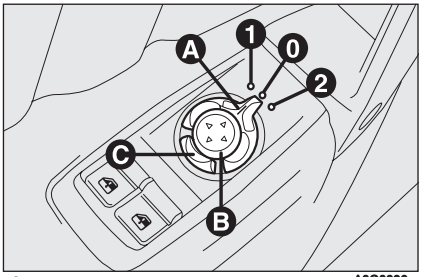


fig. 30

Adjusting the mirror

Use device **A-fig. 30** to select the required mirror:

- ❒ turn selector **A** to **1**: to select the left mirror;
- ❒ turn selector **A** to **2**: to select the right mirror.

To adjust the mirror move the switch **B** in the four directions shown by the arrows.

IMPORTANT After adjusting the mirror, turn selector **A** to **0** to prevent accidental movements.

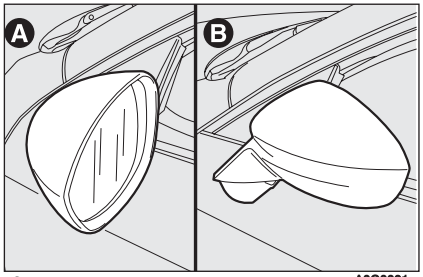


fig. 31

Manual mirror folding

When required (for example when the mirror causes difficulty in narrow spaces) it is possible to fold the mirror moving it from position **A-fig. 31** to position **B**.

Powered mirror folding (where provided)

When required (for example when the mirror causes difficulty in narrow spaces) it is possible to fold the mirrors by pressing button **C-fig. 30**.

To bring the mirrors back to driving position press again button **C-fig. 30**.

Locking the doors will obtain door mirrors folding; refitting the key will reposition door mirrors automatically.

This function can be activated/deactivated by pressing the mirror folding button for over 2 seconds. Buzzer sound will then confirm setting.

As the driver's door mirror is curved, it may slightly alter the perception of distance.

WARNING

When driving the mirrors shall always be in open position.

Storing the "parking" position of the door mirror on the passenger side

On versions equipped with powered seats, to improve visibility during parking manoeuvres when engaging the reverse gear, the driver can adjust/move (and store) the passenger door mirror to a position different from that used during normal running. To store the required mirror position proceed as follows:

- ❒ engage reverse with car stopped and ignition key fitted into ignition device;
- ❒ turn selector **A-fig. 30** to **2** (to select the passenger door mirror);
- ❒ adjust the passenger door mirror as required to obtain best position for parking manoeuvres;
- ❒ keep one of the buttons **C-fig. 28** pressed for 26 seconds at least (see paragraph "Seats" in this section).

Together with the passenger door mirror "parking" position, also the driver seat and door mirror positions will be stored. The sound of a buzzer confirms that the mirror position has been stored.

Recalling the passenger door mirror "parking"

Proceed as follows: fit the electronic key into the ignition device; engage reverse; turn selector **A-fig. 30** to **2** (to select the passenger door mirror).

The mirror will set automatically to the previously stored position.

If no parking position has been stored, when engaging reverse the passenger door mirror will slightly lower to aid the driver during parking.

The mirror will automatically return to its original position 10 seconds after disengaging reverse, when the car speed exceeds 10 km/h in forward gear or when turning selector **A-fig. 30** to **0**.

Automatic door mirror realignment

Each time the ignition key is fitted into the ignition device, door mirrors return automatically to the last position reached and/or recalled at last key removal.

This enables mirror alignment if when leaving the car parked one of the door mirrors has been moved manually and/or accidentally.

Defrosting/demisting

The electric mirrors are fitted with heating coils which come into operation when turning on the heated rear window (by pressing button).

IMPORTANT This function is timed and is deactivated after a few minutes.

CLIMATE CONTROL SYSTEM

A0G0278m

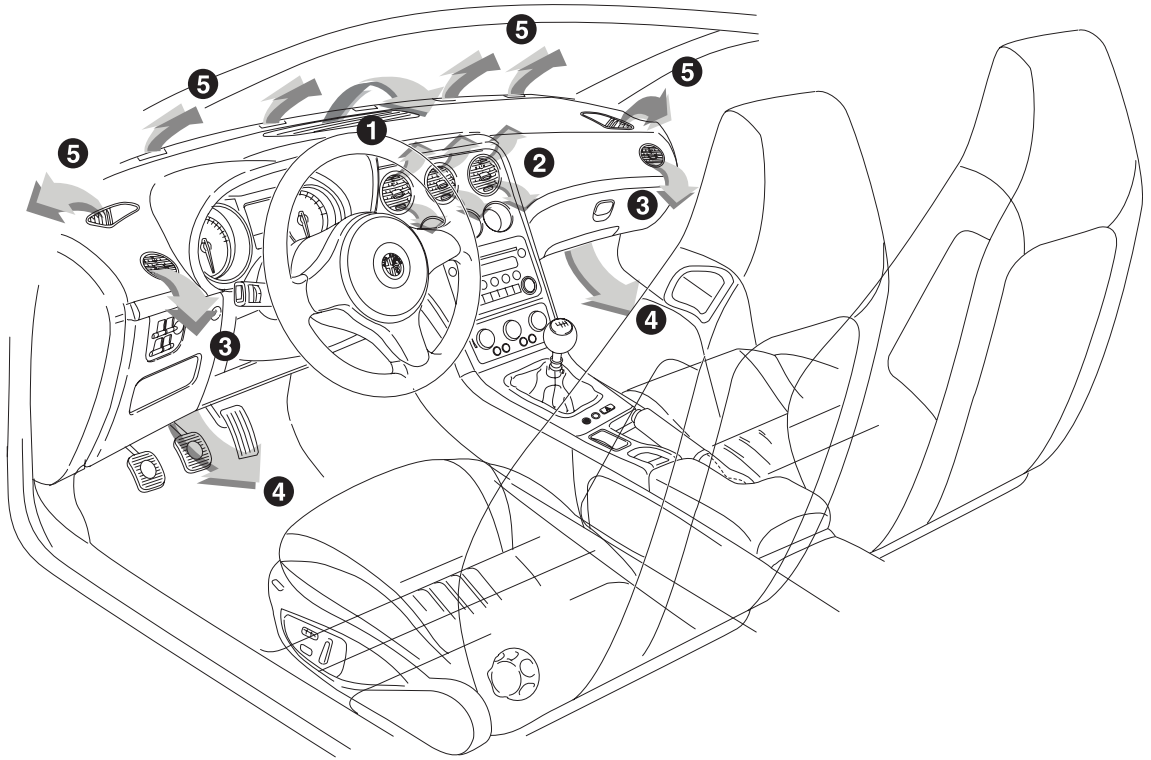


fig. 32

1 Upper vent - **2** Adjustable and swivel central vents - **3** Adjustable and swivel side vents - **4** Lower vents (at feet height) - **5** Windscreen and windows demisting/defrosting vents.

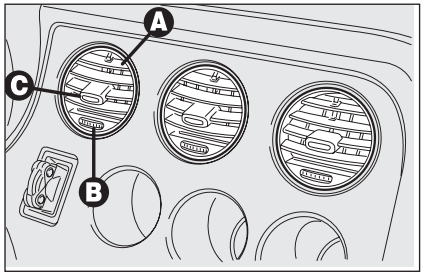


fig. 33 A0G0014m

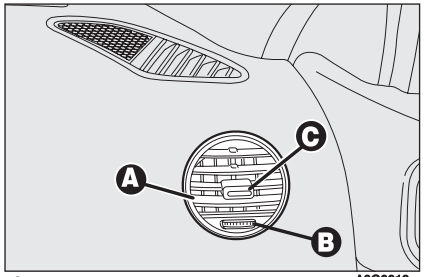


fig. 34 A0G0012m

CENTRAL AND SIDE VENTS fig. 33-34

These vents are located on the dashboard. Each vent **A** features a wheel **B** to adjust air flow and a device **C** to direct it horizontally or vertically.

O = Completely closed

I = Completely open

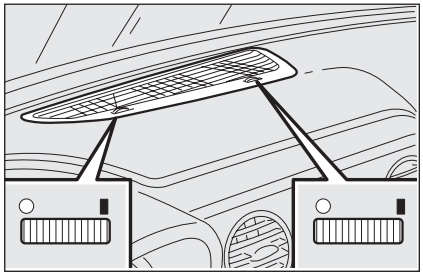


fig. 35 A0G0057m

UPPER VENT fig. 35

The vent has an opening/closing control.

O = Completely closed

I = Completely open

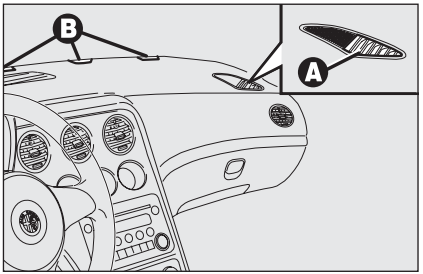


fig. 36 A0G0067m

WINDSCREEN AND SIDE WINDOW DEMISTING/ DEFROSTING VENTS

These vents are located at the ends **A-fig. 36** and on the front part **B** of the dashboard.

MANUAL CLIMATE CONTROL SYSTEM (where provided)

CONTROLS fig. 37

A - Air temperature knob (mixing warm and cold air);

B - Air distribution knob;

C - Fan speed knob;

D - Heated rear window and door mirror defrosting on/off button;

E - Windscreen, side windows and door mirror max. demisting/defrosting on/off button;

F - Air recirculation on/off button;

G - Compressor on/off button.

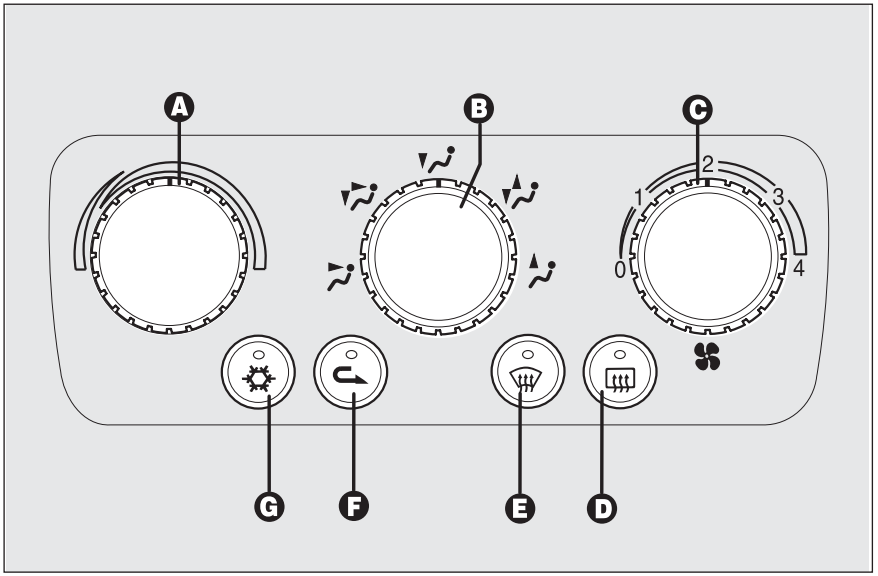


fig. 37 A0G0011m

AIR DISTRIBUTION SELECTION

: air flow to driver's/passenger's body;

: air flow to driver's/passenger's body and lower part of the passenger compartment;

: air flow towards the lower part of the passenger compartment;

: air flow towards the lower part of the passenger compartment and windscreen;

: air flow towards the windscreen

WARMING THE PASSENGER COMPARTMENT

Proceed as follows:

- ❒ turn knob **A** to the required temperature;
- ❒ turn knob **C** to the required speed;
- ❒ turn knob **B** to the required distribution:

: to warm the feet;

: to warm the feet and keep the face cool (bilevel function);

: to warm the feet and at the same time demist the windscreen;

- ❒ turn air recirculation off (if on).

QUICK WINDSCREEN AND FRONT SIDE WINDOW DEMISTING/DEFROSTING (MAX-DEF function)

To turn this function on press button : the button leds , and will turn on. To turn this function off press again button the button led will turn off. After demisting/defrosting, turn this function off to keep perfect comfort conditions.

Window demisting

Climate control system is very useful to speed up window demisting and it is therefore to be turned on in the event of considerable moisture. In any case it is recommended to perform the following preventive demisting procedure:

- ❒ turn air recirculation off (if on);
- ❒ turn knob **C** to second speed;
- ❒ turn knob **B** to .

HEATED REAR WINDOW AND DOOR MIRROR DEMISTING/DEFROSTING

To turn this function on press button the button led will turn on. To turn this function off press again button .

On certain versions, turning this function on will also activate windscreen defrosting in the windscreen wiper area.

This function is timed and switches off automatically after few minutes, or by pressing again the button or by turning the engine off. It will not be switched on automatically when restarting the engine.

IMPORTANT Do not apply stickers on the inside of the heated rear window over the heating filaments to avoid damage that might cause it to stop working properly.

RECIRCULATION

To turn this function on press button : the button led will turn on.

This function is particularly useful when the outside air is heavily polluted (in a traffic jam, tunnel, etc.) However, it is better not to use it for long periods, especially if there are several people in the car to prevent window misting up.

Do not use the air recirculation function on rainy/cold days as it would considerably increase the possibility of the windows misting inside.

IMPORTANT The inside air recirculation system makes it possible to reach the required ("heating" or "cooling") conditions faster.

CLIMATE CONTROL (fast cooling)

IMPORTANT The compressor can be enabled only if the ventilation is enabled.

Proceed as follows:

- ❒ turn knob **A** completely leftwards;
- ❒ turn knob **C** to top speed;
- ❒ turn knob **B** to ;
- ❒ press buttons and (buttons leds on).

How to keep the required cooling

Proceed as follows:

- ❒ turn air recirculation off (if on).
- ❒ turn knob **A** to the required temperature;
- ❒ turn the knurled ring **C** to the required fan speed.

LOOKING AFTER THE SYSTEM

During the winter, the climate control system must be turned on at least once a month for about ten minutes.

Before summer, have the system checked at Alfa Romeo Authorized Services.

After connecting/disconnecting the battery, wait for 3 minutes at least before fitting the electronic key into the ignition device in order to allow the climate control system control unit to reset the position of the electric actuators that adjust air temperature and distribution.

AUTOMATIC TWO-ZONE CLIMATE CONTROL SYSTEM (where provided)

DESCRIPTION

The car is fitted with a two-zone climate control system which makes it possible to separately adjust the air temperature in the two passenger's compartment areas to reach the required comfort.

To obtain top control of both zones, the system is fitted with outside temperature sensor, passenger's compartment temperature sensor and bilateral sun radiation sensor.

The climate control system automatically controls and adjusts the following parameters and functions:

- ❒ air temperature at driver/passenger vents;
- ❒ fan speed;
- ❒ air distribution at driver/passenger vents;
- ❒ compressor activation;
- ❒ air recirculation.

The following parameters and functions can be set or changed manually:

- ❒ required temperature;
- ❒ fan speed;
- ❒ air distribution on seven levels;
- ❒ compressor on/off;
- ❒ window demisting/defrosting;
- ❒ air recirculation.

The system is fitted with AQS (Air Quality System) sensor (where provided), that turns on air recirculation automatically when it detects the presence of outside polluted air (for example in queues and tunnels).

Where provided, the system is integrated with an anti-misting sensor **A-fig. 38** set behind the driving mirror, capable of "monitoring" a preset internal area of the windscreen and of intervening automatically to prevent or to reduce window misting up, through a proper strategy. This sensor can be deactivated through any manual system control when the strategy is operating.

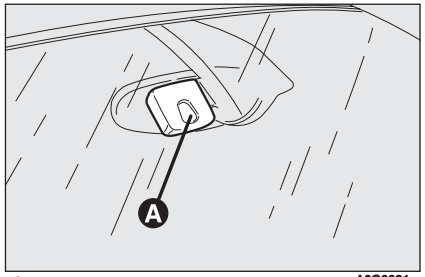


fig. 38

The sensor is enabled at each start-up and in any case when the user presses one of the AUTO buttons.

To guarantee perfect and regular sensor operation do not apply stickers in the "monitoring" area between sensor and windscreen. Keep windscreen and sensor clean and avoid to accumulate dust or other substances.

Controls fig. 39

A - air distribution buttons (on driver and passenger side);

B - knob for adjusting temperature on the left side;

C - automatic operation button (AUTO);

D - climate control data display;

E - knob for adjusting temperature on the right side;

F - rear window/door mirrors heating on/off button;

G - MAX-DEF function button (fast defrosting/demisting function for windscreen, heated rear window and door mirrors);

H - buttons for adjusting the fan speed;

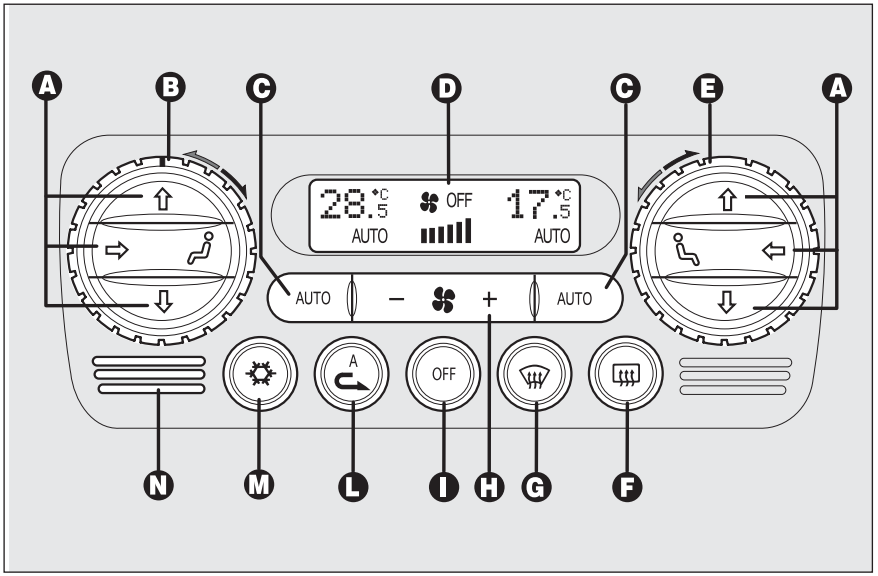


fig. 39

I - OFF button to disable climate control;

L - air recirculation on/off button;

M - climate control compressor on/off button;

N - internal air sensor temperature

SWITCHING THE CLIMATE CONTROL SYSTEM ON

The system can be turned on by pressing any button (except , and OFF); it is however advisable to set the required temperatures on the display and then to press the AUTO button.

The climate control system allows to personalise required temperatures (driver and passenger).

AIR TEMPERATURE ADJUSTMENT KNOBS

Turning the knob knurled rings (**B**/**E**), clockwise or counter-clockwise, respectively highers or lowers the temperature of the air required respectively in the left zone (knob **B**) or right zone (knob **E**) of the passenger compartment. The temperatures set are shown on the display **D**.

Turning the knob knurled rings fully clockwise or counter-clockwise until they reach the extreme selections **HI** or **LO**, the maximum heating or cooling functions are respectively engaged.

HI function (HIGH) (maximum heating power)

It is switched on by setting a temperature of more than 32°C on the display, and can be switched on independently from the driver's or passenger's side, or both of them; this setting brings the system to the "one-zone" mode and it is shown by both displays.

This functions can be switched on when you wish to heat the passenger compartment as quickly as possible, by taking the greatest advantage from the system potential.

The function uses the maximum temperature of the heating fluid, whereas air distribution and fan speed are controlled automatically by the system.

This function should not be activated when the engine is cold, to prevent air not warm enough from entering the passenger compartment.

With the function switched on, however, all the manual settings can be made. To switch the function off, you only need to turn the ring of knob (**B** or **E**) of the temperature set to a value lower than 32°C; the opposite display will show 32°C.

Pressing button AUTO, the display will show a temperature of 32°C and returns to an operating condition with automatic temperature adjustment.

LO function (LOW) (highest cooling power)

It is switched on by setting a temperature lower than 16°C on the display; this setting is shown on the display. This function can be switched on when you wish to cool the passenger compartment as quickly as possible, by taking the greatest advantage from the system potential.

The function cuts off air heating, switches on both internal air recirculation (to prevent hot air from entering the compartment) and the climate control compressor, brings air distribution to ◄/► and the fan speed is controlled automatically by the system.

With the function switched on, however, all the manual settings can be made. To switch the function off, you only need to turn the ring of knob **B**/**E** of the temperature set to a value greater than 16°C; the opposite display will show 16°C.

Pressing button AUTO, the display will show a temperature of 16°C and returns to an operating condition with automatic temperature adjustment.

AUTOMATIC OPERATION (AUTO BUTTON)

Pressing button AUTO (front and rear controls) the displays will show AUTO and the system will automatically adjust:

- ❒ fan speed;
- ❒ air distribution in passenger compartment;
- ❒ air recirculation;
- ❒ compressor;

and it will cancel all the previous manual adjustments.

Wording AUTO will disappear from the display of the involved area (driver or front passenger side) when performing whatever operation (excluding temperature change.

Will also go off if the system (specially when compressor is turned off manually) cannot reach or cannot keep the required temperature.

IMPORTANT When opening the top, the climate control will pass from automatic to manual operating mode.

WARNING

It is inadvisable to use air recirculation on rainy/cold days as it would considerably increase the possibility of windows misting up inside.

FAN SPEED ADJUSTMENT

Press buttons **+/−** to increase or to decrease the fan speed.

The fan speed is shown by the lit bars on the display:

- ❒ min fan speed = one bar lit;
- ❒ max fan speed = 6 bars lit;

At starting, if climate control system is operating in automatic mode, the fan speed is kept at minimum until the engine has started.

With compressor on and engine running, the fan speed cannot fall below the min. speed.

The fan can be cut off (all bars off) only if the climate control compressor has been switched off by pressing button ✲.

To restore automatic fan speed control after a manual adjustment, press buttons AUTO.

QUICK FRONT WINDOW DEMISTING/DEFROSTING (MAX-DEF function)

Pressing button the climate control automatically activates timed operation of all the functions required to quicken demisting/defrosting of the windscreen and front side windows and, on certain versions, windscreen demisting in the windscreen wiper area.

The MAX-DEF can be turned on also with engine off. When this function is on the circular led around the button will turn on.

The MAX-DEF function activates the following operations:

- ❒ rear panel turning off (where provided);
- ❒ air flow increase;
- ❒ air distribution at DEF;
- ❒ outside air intake;
- ❒ compressor activation;
- ❒ AQS function deactivation (where provided);
- ❒ rear window heating activation.

When the MAX-DEF function is on, the only manual operations possible are manual adjustment of the fan speed and switching heated rear window off.

IMPORTANT If the engine is not warm enough, the function will not engage the predefined fan speed immediately, to limit the flow to the passenger compartment of air that is not warm enough to demist the windows.

Pressing again one of the following buttons: , , AUTO or the system switches off the MAX-DEF function, resuming the system operating conditions prior to turning it on, in addition to activating the last function required, if any.

IMPORTANT Do not activate the MAX-DEF function with the engine off to prevent running down the battery.

HEATED REAR WINDOW AND DOOR MIRROR DEMISTING/DEFROSTING

Press button to activate the demisting/defrosting function: when this function is on, the circular led around the button will turn on.

On certain versions, turning this function on will also activate windscreen defrosting in the windscreen wiper area.

This function is timed and switches off automatically after few minutes, or by pressing again the button or by turning the engine off. It will not be switched on automatically when restarting the engine.

IMPORTANT Do not apply stickers on the inside of the rear window over the heating filaments to avoid damage that might cause it to stop working properly.

CLIMATE CONTROL COMPRESSOR ON/OFF

Press button to turn the compressor on: when climate control compressor is on the circular led around the button will turn on. Compressor will stay on also after turning the engine off.

To turn the compressor off press again button .

With compressor off, the system will check whether outside temperature is higher or lower/same as the set one:

- ❒ if outside temperature is lower than the set one, the system will operate regularly also with compressor off;
- ❒ if outside temperature is higher than the set one, the system will not be able to keep the required condition, the set temperature values will then start to flash on the display.

Temperature detection (compressor off and outside temperature higher than set temperature) is activated each time the electronic key is fitted into the ignition device.

WARNING

Operation of the climate control compressor is necessary for cooling and dehumidifying the air; it is advisable to keep this function always on, to prevent window misting problems.

AIR DISTRIBUTION SELECTION

Pressing buttons ⇧/⇩/⇨ you can manually choose one of the 7 possible modes for air distribution inside the compartment:

⇨ Flow of air to the dashboard centre and side outlets (passenger's body).

⇩⇨ Splitting of the air flow between the vents to the lower part of the passenger compartment (warmest air) and the dashboard centre and side outlets (coolest air).

⇩ Air flow towards the lower part of the passenger compartment. This type of distribution allows heating of the passenger compartment in the shortest time.

⇧⇩ Splitting of the air flow between windscreen and side window demisting/defrosting vents and the lower part of the passenger compartment. This type of air distribution allows satisfactory heating of the passenger compartment while preventing possible misting of the windows.

⇧ Air flow to the windscreen and front side window vents to demist or defrost them.

⇧⇨ Splitting of the air flow between the central/side dashboard vents and windscreen and side window defrosting/demisting vents. This type of air distribution allows satisfactory ventilation of the passenger compartment while preventing possible misting of the windows.

⇧⇩⇨ Splitting of the air flow between all vents.

To restore automatic air distribution control after a manual selection, press button AUTO.

AIR RECIRCULATION AND AQS FUNCTION ON/OFF (Air Quality System) (where provided)

Inside air recirculation is controlled according to the following operating logics:

- ❒ automatic control, indicated by button led "A";
- ❒ forced switching on (inside air recirculation always on), indicated by the turning on of the circular led around the button;
- ❒ forced switching off (air recirculation always off with air inlet from the outside), indicated by the turning off of the circular led around the button.

With A.Q.S. (Air Quality System - where provided), the operating logic is sequential when pressing button ⮌.

IMPORTANT The inside air recirculation system makes it possible to reach the required heating or cooling conditions faster. It is however inadvisable to use it on rainy/cold days as it would considerably increase the possibility of the windows misting inside, especially if the climate control compressor is off. It is advisable to turn on the inside air recirculation system in queues or tunnels to avoid admitting polluted air from outside. The prolonged use of this function should however be avoided, especially with several persons on board, to avoid the possibility of the windows misting inside and to ensure air change.

In certain weather conditions (e.g. outside temperature around 0°C) and with automatic air recirculation control on, mist may form on the windows. In this case press button to switch off recirculation and if necessary press button + to increase the flow of air to the windscreen.

With the outside temperature below -1°C the climate control compressor is unable to work. It is therefore inadvisable to use the inside air recirculation function with low outside temperature as windows may mist over quickly.

AQS function (Air Quality System) (where provided)

The AQS function turns on automatically air recirculation when it detects the presence of polluted air (e.g. in queues and tunnels).

IMPORTANT With AQS function on, after a preset time with recirculation on, the compressor will enable outside air inlet (for about 1 minute) to change air inside the passenger compartment, regardless of outside air pollution level.

IMPORTANT The AQS function is disabled when the outside temperature is cold to prevent window misting up. To reactivate this function, press button . Led "A" on button will turn on to indicate that the function is on.

ACTIVATED CARBON POLLEN FILTER

The car is fitted with activated carbon pollen filter. The filter has the specific capability of admitting to the passenger compartment purified air, free from particles such as dust, pollen, etc. The filtering action takes place under all air inlet conditions and it is clearly most effective with the windows shut.

Have the conditions of the filter checked by Alfa Romeo Authorized Services at least once a year, preferably at the onset of summer. If the car is used mainly in polluted or dusty areas it should be checked and if necessary replaced at shorter intervals than specified in the Service Schedule (see section "Car Maintenance").

Failure to replace the filter may considerably reduce the effectiveness of the climate control system up to blocking the air flow from the outlets and vents.

SWITCHING THE CLIMATE CONTROL SYSTEM OFF

Press OFF button. The circular led around the button turns on, signalling the OFF state.

With climate control system off:

- ❒ the system stores performed operations;
- ❒ the display is off;
- ❒ air recirculation is active (button led on);
- ❒ compressor is active;
- ❒ ventilation is off.

To turn the climate control system on again press button AUTO or any other button (excluding and). Turning the climate control system on again, air recirculation will be again controlled automatically.

After connecting/disconnecting the battery, wait for 3 minutes at least before fitting the electronic key into the ignition device in order to allow the climate control system control unit to reset the position of the electric actuators that adjust air temperature and distribution.

ADDITIONAL HEATER (diesel versions only) (where provided)

The car is fitted with an additional heater that supports the engine during cold or winter weather to quickly reach a comfortable temperature in the passenger compartment.

The additional heater works with the engine running when the outside temperature is below 20°C and the engine has not yet reached normal operating temperature.

EXTERNAL LIGHTS

LEFT-HAND STALK fig. 40

The left-hand stalk control almost all external lights.

The external lights can only be switched on with electronic key fitted into ignition device.

Lights switched off

Knurled ring at **O**.

Sidelights

Turn the knurled ring **A** to ☼. The warning light ≡D≡ on the instrument panel will turn on.

Dipped beam headlamps

Turn the knurled ring **A** to ≡D. The warning light ≡D on the instrument panel will turn on.

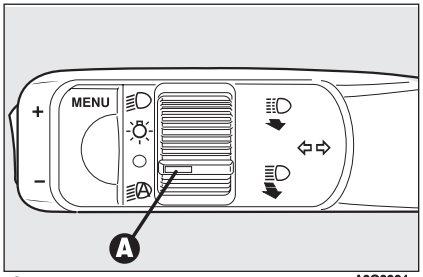


fig. 40

Main beam headlamps

When the knurled ring **A** is at ≡D pull the stalk towards the steering wheel (2nd unstable position). The warning light ≡D on the instrument panel will turn on.

To turn the main beams off, pull again the stalk towards the steering wheel (2nd unstable position).

Flashing the headlights

Pull the stalk towards the steering wheel (1st unstable position) regardless of the position of the knurled ring **A**. The warning light ≡D on the instrument panel will turn on.

Direction indicators

Push the stalk to (stable) position:

- ❒ up: to turn the right-hand direction indicator on;
- ❒ down: to turn the left-hand direction indicator on.

Warning light ⇦ or ⇨ will come on flashing on the instrument cluster at the same time.

Indicators are switched off automatically when the steering wheel is straightened.

If you want to show that you are about to change lane, move the left-hand stalk to unstable position. The required direction indicator will flash 3 times and then it will turn off automatically.

"FOLLOW ME HOME" DEVICE

This function allows the illumination of the space in front of the car for a preset period of time.

Activation

Pull the stalk towards the steering wheel within 2 minutes from when the engine is turned off.

At each single movement of the stalk, the staying on of the lights is extended by 30 seconds up to a maximum of 3.5 minutes; then the lights are switched off automatically.

Each time the stalk is operated, the warning light turns on together with the message on the display (see section "Warning lights and messages").

Deactivation

Keep the stalk pulled towards the steering wheel for more than 2 seconds.

AUTOMATIC HEADLIGHTS SENSOR (daylight sensor) (where provided)

It detects the changes of the external light intensity of the car according to the light sensitivity set: the greater the sensitivity is, the smaller the amount of external light necessary to control the switching-on of the external headlights will be.

The daylight sensor sensitivity can be adjusted through the "Setup Menu" of the display (see "Reconfigurable multifunction display" in this section).

Activation

Turn the knurled ring **A-fig. 40** to : in this way, the automatic activation of the side/taillights and dipped beam headlights is simultaneously enabled according to outside brightness.

With lights switched on automatically and in the presence of a switching off control by the sensor, the main beams will be switched off first and a few seconds after also the sidelights.

Deactivation

As a result of the sensor control, the dipped beam headlights will switch off and, after a few seconds, sidelights will switch off too. The sensor is not able to detect the fog presence, lights shall therefore be switched on manually.

Failure warnings

Headlight sensor failure is shown by a dedicated message on the display (see section "Warning lights and messages").

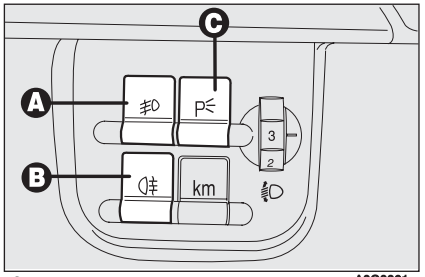


fig. 41

DASHBOARD BUTTONS fig. 41

Front fog lights

To turn front fog lights on, press button **A**; to activate these lights it is necessary to have the side/taillights switched on. The instrument panel warning light will turn on. Press the button again or turn side/taillights off to turn the lights off.

Rear fog lights

To turn rear fog lights on, press button **B**. The instrument panel warning light will turn on. To turn the lights off, press the button again or turn dipped beams or front fog lights off or turn the engine off.

Parking lights

These lights can be turned on, with instrument panel off, by pressing button **C**. When pressing the button a warning buzzer will sound and the instrument panel warning light will turn on.

Press the button again to turn the lights off.

With parking lights on, move the external lights left-hand stalk upwards or downwards to select on which side (right or left) the lights must stay on. In this event warning light will turn off.

Moving the left-hand stalk to middle position will turn on the four parking lights and the number plate light.

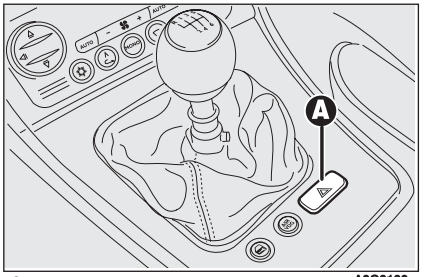


fig. 42

Hazard lights

These lights are turned on by pressing button **A-fig. 42**.

When these lights are on, the switch flashes and warning lights ⇦ and ⇨ on the instrument panel will turn on at the same time.

Press switch **A** again to turn the lights off.

WARNING

Use of the hazard warning lights is ruled by the Highway Code of the country in which the car is used. Observe regulations.

WINDOW WASHING

RIGHT-HAND STALK

Right-hand stalk **fig. 43** controls windscreen washer/wiper and rear window washer/wiper operation.

With external lights on, activating the windscreen washer will also activate the headlight washer, if provided.

Windscreen washer/wiper

The stalk can be moved to five different positions:

0: windscreen wiper off;

1: intermittent.

With the stalk in position **1**, turning the knurled ring **A** four possible intermittent speeds are obtained:

■ = slow intermittent

■ = intermittent medium

■ = intermittent medium-fast

■ = fast intermittent

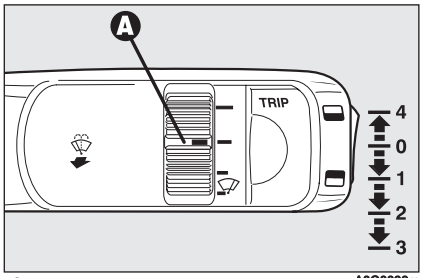


fig. 43

2: continuous slow

3: continuous fast

4: fast temporary (unstable position)

Operation in position **4** is limited to the time the stalk is held in this position. When the stalk is released, it returns to position **0** automatically stopping the wiper.

Never use the window wiper to remove ice or snow from the windscreen. In these conditions, the wiper is submitted to excessive effort that results in motor protection cutting in and wiper operation inhibition for few seconds as a consequence. If operation is not restored contact Alfa Romeo Authorized Services.

"Smart washing" function

Pulling the stalk towards the steering wheel (unstable position) operates the windscreen washer.

Keeping the stalk pulled with just one movement it is possible to operate the washer jet and the wiper at the same time; the wiper actually comes into operation automatically when the stalk is pulled for more than half a second.

The wiper stops working 3 strokes after releasing the stalk; a further stroke after about 6 seconds will complete the wiping operation.

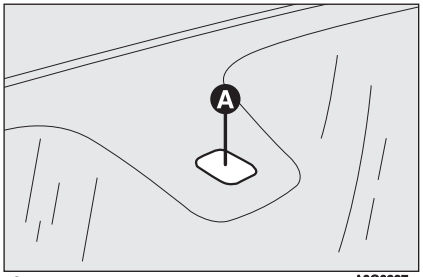


fig. 44

RAIN SENSOR (where provided)

The rain sensor **A-fig. 44**, located behind the driving mirror, is an electronic device combined with the windscreen wiper which has the purpose of automatically adjusting the number of wipes during intermittent operation, to intensity of the rain. All the other functions controlled by the right-hand stalk remain unchanged.

The rain sensor is activated automatically moving the right-hand stalk to position **1-fig. 43** and it has a range of adjustment that gradually varies between wiper stationary (no wiping) when the windscreen is dry, to wiper at second speed (continuous, medium) with heavy rain.

Turning the knurled ring **A-fig. 43** it is possible to increase the sensitivity of the rain sensor, obtaining a quicker change from stationary (no wiping) when the windscreen is dry, to first continuous speed (continuous, slow). This action is confirmed by one wiping stroke.

Operating the windscreen washer with the rain sensor activated (stalk at position **1-fig. 43**) the normal washing cycle is performed at the end of which the rain sensor resumes its normal automatic function.

Removing the electronic key from the ignition device, the rain sensor is deactivated and the next time the engine is started it will not be reactivated even if the stalk has remained in position **1-fig. 43**. In this case to activate the rain sensor, simply move the stalk to **0** or **2** and then back to **1**.

When the rain sensor is reactivated in this way, the wiper performs one stroke, even if the windscreen is dry, to indicate that reactivation has occurred.

IMPORTANT In the event of rain sensor failure, windscreen wiper operation with right-hand stalk at **1-fig. 43** is intermittent. If failure takes place during automatic operation, the system will keep the last wiper operating condition. Moving the stalk to other positions, operation is however guaranteed.

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

- ❒ impurities on the controlled surface (salt, dirt, etc.);
- ❒ difference between day and night.

Failure warnings

Sensor failure is indicated by a dedicated message on the display (see section "Warning lights and messages").

Rain sensor shall be deactivated when washing the car at automatic carwash.

Make sure the rain sensor is deactivated if there is ice on the windscreen.

Streaks of water could cause non-required blade movements.

WARNING

Make sure the device is off when cleaning the windscreen.

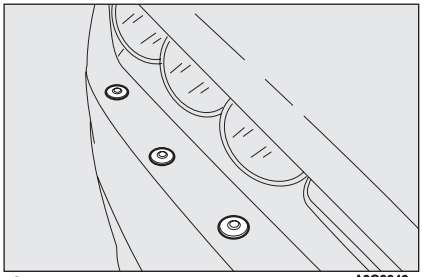


fig. 45

HEADLIGHT WASHERS (where provided) fig. 45

Headlight washers are visible and are fitted with a nozzle for each external light function. They come into operation automatically when operating the windscreen washer with external lights turned on.

IMPORTANT Check at regular intervals correct operation and cleanness of nozzles.

CRUISE CONTROL (where provided)

GENERAL

The speed regulator (**CRUISE CONTROL**), with electronic control, makes it possible to drive the car at the required speed, without pressing the accelerator pedal. This reduces driving fatigue during long journeys (specially on highways) because the speed memorised is automatically maintained.

IMPORTANT The device can only be engaged at speeds between 40 and 190 km/h.

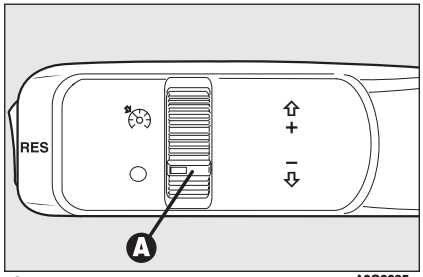


fig. 46

DEVICE ENGAGEMENT

Turn knurled ring **A-fig. 46** to .

The device cannot be engaged in 1st speed or reverse. It is recommended to engage it in 4th or higher speeds. Travelling downhill with the device engaged, the car speed may increase more than the memorised one.

When the device is activated the instrument panel warning light turns on (on certain versions together with a message on the display) (see section "Warning lights and messages").

TO MEMORISE SPEED

Proceed as follows:

- ❒ turn the knurled ring **A-fig. 46** to and press the accelerator pedal to the required speed;
- ❒ push the stalk upwards (**+**) or downwards (**–**), then release it: car speed is memorised and it is therefore possible to release the accelerator pedal.

In the case of need (when overtaking for instance) acceleration is possible simply pressing the accelerator pedal: releasing the accelerator pedal, the car will return to the speed memorised previously.

TO RESET MEMORISED SPEED

If the device has been disengaged for example pressing the brake or clutch pedal, the memorised speed can be reset as follows:

- ❒ accelerate gradually until reaching a speed approaching the one memorised;
- ❒ engage the gear selected at the time of speed memorising (4th or higher gear);
- ❒ press button **RES** (set at stalk end).

TO INCREASE THE MEMORISED SPEED

The speed memorised can be increased in two ways:

- ❒ pressing the accelerator and then memorising the new speed reached;

or

- ❒ moving the stalk upwards (**+**).

Each operation of the stalk will correspond to a slight increase in speed (about 1.5 km/h), while keeping the stalk upwards will correspond to a continuous speed increase.

TO REDUCE MEMORISED SPEED

The speed memorised can be increased in two ways:

- ❒ disengaging the device and then memorising the new speed;

or

- ❒ moving the stalk downwards (**–**) until reaching the new speed which will be memorised automatically.

Each operation of the stalk will correspond to a slight decrease in speed (about 1.5 km/h), while keeping the stalk downwards will correspond to a continuous speed decrease.

DEVICE DISENGAGEMENT

The device is disengaged in one of the following cases:

- ❒ turning the knurled ring **A-fig. 46** to **O**;
- ❒ turning the engine off or removing the electronic key from the ignition device;
- ❒ pressing the brake pedal, pressing the clutch pedal (in these cases the last stored speed will stay memorised, to resume it press button **RES**);
- ❒ pressing the accelerator pedal; in this case the system is disengaged only temporarily; device operation will be resumed automatically when releasing the pedal;
- ❒ with car speed below the preset limit (in these cases the last stored speed will stay memorised, to resume it press button **RES**);

Automatic Cruise Control deactivation

The Cruise Control is temporarily deactivated when the ABS or VDC systems come into operation (above a max. preset time): in this case the last set speed will stay memorised, to recall it press button **RES**.

In the event of Cruise Control or engine control system failure, the device is deactivated until removing the electronic key from the ignition device. In this event contact Alfa Romeo Authorized Services.

The device is automatically deactivated when operating accidentally or incorrectly the stalk, the knurled ring **A** or button **RES**: in this event to reactivate the device: bring the car to the required speed and then move the stalk upwards (**+**) or downwards (**–**).

WARNING

In the event of device malfunction or failure, turn the knurled ring A-fig. 46 to O and contact Alfa Romeo Authorized Services after checking the protection fuse integrity.

WARNING

When travelling with the device on, never set the gearshift lever to neutral.

CEILING LIGHTS

FRONT CEILING LIGHT fig. 47

Press button:

A: to turn on/off the courtesy light on the left side;

B: to turn on/off the central light;

C: to turn on/off the courtesy light on the right side.

Keeping pressed button **B** will turn off all ceiling lights. Turning off is also indicated by the sound of a buzzer. To turn these lights on again press briefly button **B**.

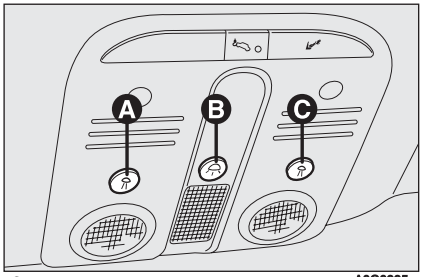


fig. 47

IMPORTANT Leaving inadvertently a door open, the ceiling lights and the puddle lights will turn off automatically after a few minutes. To turn them on again, open another door or close and open again the same door.

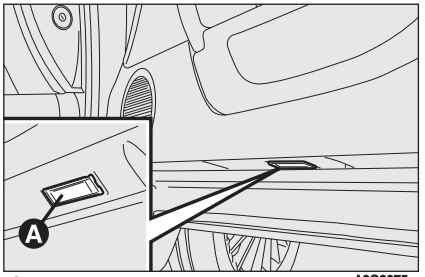


fig. 48

PUDDLE LIGHT

The door light **A-fig. 48**, turns on when opening the door regardless of the electronic key position.

With the door open it will stay on for about 3 minutes, then it turns off automatically.

In the following table are summarised the causes that make front/rear ceiling lights turn on/off and their turning on/off mode:

Cause	Ceiling lights turning on/off mode
Opening one of the doors	Light turning on for a few minutes. This timed operation will be reactivated each time a door is opened
Closing all the doors	With electronic key removed from ignition device: ceiling lights will stay on for other 10 seconds. This timed operation is stopped when refitting the electronic key into the ignition device Starting the engine: light will turn off
Removing the electronic key from the ignition device	Light turning on for about 10 seconds
Locking the doors	Light turning off
Unlocking the doors	Light turning on for about 10 seconds
Cutting in of the fuel cut-off switch	Light turning on for a few minutes. Reactivating the fuel cut-off switch will turn off the ceiling light.

In all the cases tabulated above, lights turning on/off is gradual, for 2 seconds.

CONTROLS

POWER SUPPLY AND FUEL CUT-OFF SWITCHES

The car is fitted with a safety switch that in the event of a crash comes into operation by cutting off fuel and turning off the engine as a consequence.

Certain versions are equipped with an additional safety switch that in the event of a crash comes into operation by cutting off the power supply.

These two safety switches therefore prevent dangerous fuel leaks due to fuel line cracking, and sparks or electric discharges due to damaging or malfunctioning of the electric components of the car in the event of a crash.

IMPORTANT After a crash, remember to remove the key from the ignition device to prevent battery run-down.

WARNING

If, after a crash, you smell fuel or see leaks from the fuel system, do not reset the switches to avoid fire risk.

Door unlocking in the event of a crash

In the event of a crash that triggers the fuel cut-off switch, the doors will unlock automatically to enable getting into the car and at the same time the passenger's compartment light will turn on. It is however always possible to open the doors from the passenger's compartment by means of the internal door handles. If, after a crash no fuel leaks or damages to the electric devices (e.g. headlights) are found and the car can be started again, reset the fuel cut-off switch and the power supply cut-off switch (where provided). Follow the instructions given below.

WARNING

If central door locking has been activated from inside the car and after a crash the fuel cut-off switch cannot activate automatic door unlocking, it will not be possible to get into the car. In any case, door opening from the outside depends on door conditions after the crash: if a door is badly damaged it will be impossible to open it. In this event try to open one of the other doors.

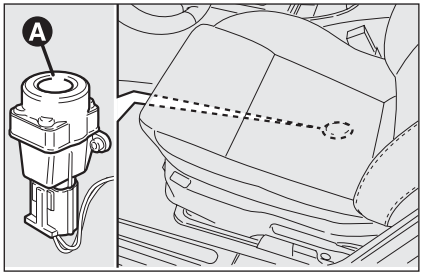


fig. 49 A0G0221m

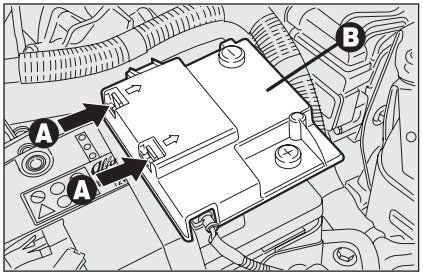


fig. 50 A0G0126m

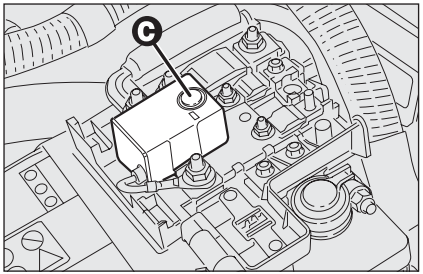


fig. 51 A0G0071m

Resetting the fuel cut-off switch

WARNING

Before resetting the fuel cut-off switch carefully inspect the car for fuel leaks or damages to electric devices (e.g. headlights).

To reset the fuel cut-off switch, press button **A-fig. 49**.

Resetting the power supply cut-off switch (where provided)

WARNING

Before resetting the power supply cut-off switch carefully inspect the car for fuel leaks or damages to electric devices (e.g. headlights).

The switch is located inside the fuse box at battery positive terminal.

To reset the power supply cut-off switch, proceed as follows:

- ❒ press button **A-fig. 49** to reset the fuel cut-off switch;
- ❒ open the bonnet;
- ❒ operate the retaining clips **A-fig. 50** and remove the protection cover **B**;
- ❒ press button **C-fig. 51** to reset the power supply.

INTERIOR FITTINGS

CENTRAL ARMREST

The central armrest is located between the front seats. Inside the armrest is housed an air-conditioned food box (where provided) (see next paragraph).

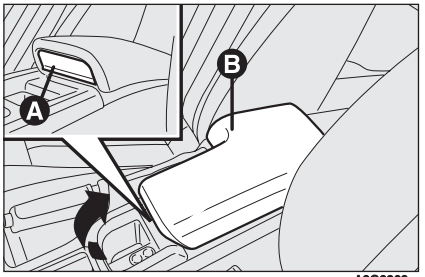


fig. 52

Oddment compartment

To open the oddment compartment, press button **A-fig. 52** and raise the cover **B**.

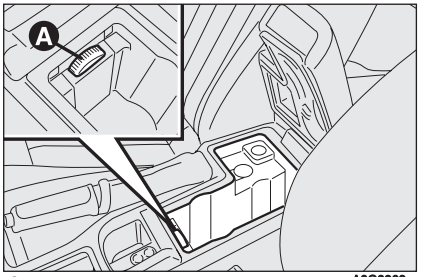


fig. 53

Air-conditioned food box (where provided)

The food box is located inside the central armrest. Turn wheel **A-fig. 53** to adjust the air flow inside the food box.

IMPORTANT Function of the food box is to keep the temperature of the drinks placed inside it; drinks shall be warmed or cooled as required before being put inside the food box.

Pay attention not to spill drinks.

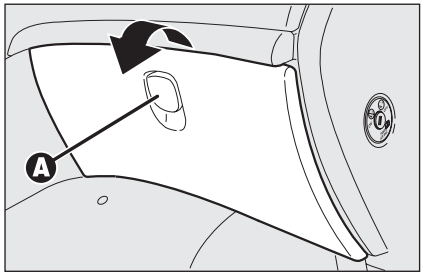


fig. 54 A0G0149m

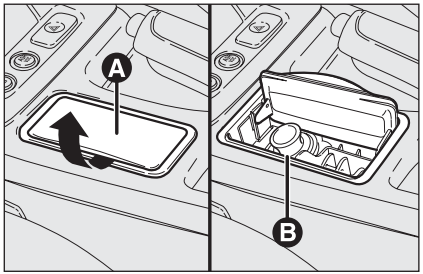


fig. 55 A0G0140m

GLOVE COMPARTMENT

To open the glove compartment use lever **A-fig. 54**. When opening the glove compartment, the courtesy light inside it will turn on. Leaving inadvertently open the glove compartment, this light will turn off automatically after a few minutes. The folding top is also provided with a recess for a pen or a pencil.

Do not travel with the glove compartment open; it could harm the passenger in the event of an accident.

ASHTRAY AND CIGAR LIGHTER

Ashtray

To use the ashtray, lift cover **A-fig. 55**. The ashtray can be removed. Pull it upwards to removeit.

IMPORTANT Do not use the ashtray as paper bin: it could set on fire on contact with cigarette stubs.

Cigar lighter

It is located inside the cigar lighter. To use the cigar lighter, lift cover **A-fig. 55**.

Press button **B** to switch on the cigar lighter with key fitted into ignition device.

IMPORTANT Always check that the cigar lighter has turned off.

IMPORTANT The cigar lighter gets very hot. Handle it with care and make sure that it is not used by children: danger of fire and/or burns.

IMPORTANT Do not plug electric accessories with power exceeding 100W to the cigar lighter seat.

IMPORTANT Plugs too big could damage the cigar lighter outlet tabs.

Do not plug electric accessories with absorption exceeding the max. specified value. Prolonged current absorption could drain the battery and impair next engine start up.

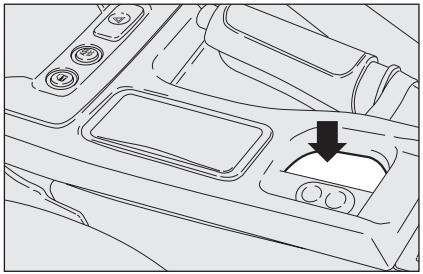


fig. 56 A0G0264m

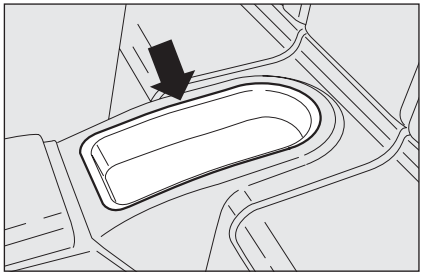


fig. 57 A0G0268m

ODDMENTS COMPARTMENTS

They are located on the central console **fig. 56** and **fig. 57**, on the doors **fig. 58** and behind the seats **fig. 59**. These latter ones have a lid with lock: to open the lid **A-fig. 59** fit the metal insert of the electronic key into the lock **B**.

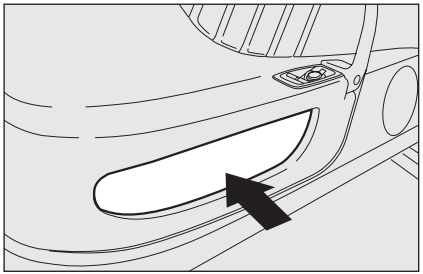


fig. 58 A0G0248m

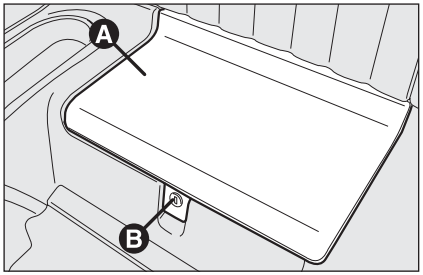


fig. 59 A0G0267m

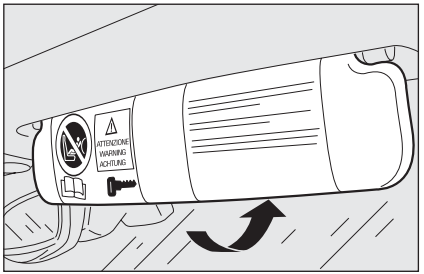


fig. 60 A0G0269m

SUN VISORS fig. 60

Sun visors are set at the sides of the driving mirror.

They can swing up or down.

THE TOP

The car features a powered three-ply top with automatic-control and heated rear window.

This kind of top combines proven protection against bad weather with friendliness and convenience.

The following tips will help you to derive the maximum pleasure from your car:

- close the top when parking the car. With the top closed you protect the passenger's compartment against unexpected bad weather and you also protect the car against theft;
- you are however recommended to stow any valuables in the boot, making sure to lock it.

At high speed, slight decrease in pressure inside the passenger compartment could cause top "wobbling": in this event activate/increase air intake into the passenger compartment to restore proper pressure level.

IMPORTANT "Top opening" means car "sunroof" opening and top folding into the rear space provided for the purpose. The opposite operation is identified with "Top closing".

PRECAUTIONS/INSTRUCTIONS FOR USING THE TOP

Do not secure devices for carrying luggage to the top.

Do not open the top when temperature is below 0°C and do not remove ice using sharp objects.

Do not travel with the top cover open or with half-opened top: risk of damages or injuries.

Do not put objects on the top: when opening the top they could cause damages or injuries.

If parking the car for a long period in the open, cover the top with a protective cloth.

TOP WASHING/CLEANING

The canvas top is treated with a special water-repellent and waterproofing product.

The water-repellent properties will deteriorate with the passage of time and exposure to bad weather, therefore the following precautions are recommended when washing:

Immediately remove any bird excrement from the top as it could cause serious damage to the fabric due to its causticity.

Never wash the top at automatic car-washes with rollers or high pressure pumps as these could damage the fabric's fibres, accelerating the loss of the waterproofing characteristics.

Never use alcohol, gasoline, chemical products or "wash and polish" cleaners and products.

Before washing the top, use a soft brush or a vacuum cleaner to remove as much dirt as possible from the surface. This is recommended as it considerably improves the final result.

When washing, which should be done in the shade if possible, use water and neutral soap to be applied using a sponge. After removing all spots, rinse the top with clean water (not a pressurised water jet).

To avoid the formation of spots and rings, never leave the soap deposited on the top but rinse immediately and repeat the operation if necessary.

When washing is complete, let the car dry in the shade away from direct sunlight.

Top waterproofing

Only use the waterproofing product recommended by Fiat Auto.

For an optimal result, it is important that the impregnating product is used according to the instructions on its packaging.

The top's rubber stripping must only be washed with water. If it appears dry or semi-glued apply talcum powder or use rubber care products (silicone sprays).

It is recommended to not keep the top down in its compartment if it is very dirty to avoid the formation of mould or other damage.

Do not keep the top folded for long periods of time to avoid folds and other defects to the fabric.

Before opening/closing the top make sure to have space enough to perform operations easily, check also for absence of obstacles or people in the moving range of the top.

WARNING

When opening/closing the top or with top stopped but cycle not completed yet, keep hands away from top linkage, its housing, upper edge of the windscreen and space between top and top cover: risk of damages or injuries (for further details see the warning label set on the back of the passenger's sun visor).

WARNING

Keep children away from the moving range of the top.

CLEANING THE TOP

The excrement of the birds must be washed right away because the acids may damage the fabric and compromise waterproofing.

Normal dirt

Use a soft brush or a suitable sponge to clean the vehicle with clean water brushing in the direction of the pattern towards the back side of the vehicle.

Then rinse with clean water and let it dry in open air. The top should never be dried with leather or other similar cloths.

Stains/dirt

Use a product for fabrics or liquid hand soap with clean water rubbing in the direction of the pattern towards the back side of the vehicle.

Then rinse with clean water and let it dry in open air. The top should never be dried with leather or other similar cloths.

Recommendations

- ❒ Do not wash the top with strong pressurized water jets.
- ❒ Do not use petroleum, alcohol or other solvents to clean the fabric.
- ❒ Do not remove snow or ice with sharp tools (i.e instruments used to remove ice from the windows).
- ❒ Wait until the fabric of the top is completely dry before putting it in the relevant compartment in order to avoid stains.
- ❒ Do not wash the vehicle in an automatic car wash with brushes.

TOP OPENING/CLOSING

Warnings

Strictly comply with the following instructions:

- ❒ Move the top only with the car stationary, the top cannot be opened/closed with the car moving (the display will however show a warning message + symbol). Accidental attempt to open/close the top with the car moving will be automatically aborted.
- ❒ If you start to operate the top with the car stationary and then you move off the car, it will be possible to complete the opening/closing cycle only if you stop the car again.

❒ When the top is opened/closed by pressing button **C-fig. 61**, and it is stopped in any intermediate position, also with the electronic key removed from the ignition device, the following conditions will take place:

– after 12 minutes, pressing button **C-fig. 61** it will only be possible to close the top;

– passing other 3 minutes, although pressing button **C** it will not be possible either to open or to close the top. To open/close the top through button **C** you will have to wait at least 10 minutes with the electronic key removed from the ignition device in order to let the top opening/closing system to cool-down.

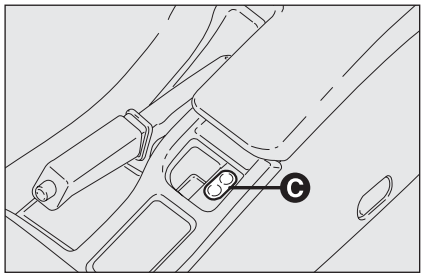


fig. 61

❒ When starting to open/close the top, make sure that the windows slightly open automatically ("short drop"), otherwise release the top control button **C-fig. 61** and open both windows pressing the relevant button, or open the doors. Should this malfunctioning persist, contact Alfa Romeo Authorised Services.

❒ Activate the top only with the engine running to prevent draining the battery.

❒ Before closing the top remove any foreign matter from the windscreen frame.

❒ Keep to the safety instructions given previously.

❒ With boot open, top movement is automatically hindered. Always make sure the boot is perfectly closed before operating the top.

Press button **C-fig. 61** side windows will open sligthly.

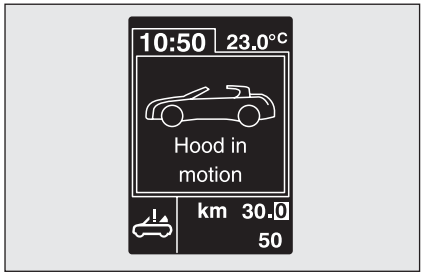


fig. 62 A0G0280g

Keep button **C** pressed according to the required activation mode (opening or closing) for the whole operation. The display will show the corresponding message + symbol (**fig. 62**).

A beep will be heard and the display will show the relevant message + symbol after completing the operation.

Stopping the opening/closing operation

Releasing button **C-fig. 61** during opening/closing, will automatically stop the top. In this event, the display will show a warning message + symbol.

The movement operation can be continued after a few minutes by pressing the pushbutton again in the direction wanted (open or close).

From the position consequent to "short drop", side windows will reclose by keeping the button pressed at the end of the complete top opening or closing operation. Do not close the side windows by pressing the relevant buttons before completing the closing operation otherwise perfect adhesion of side windows to top rubber sealing gaskets will not be guaranteed.

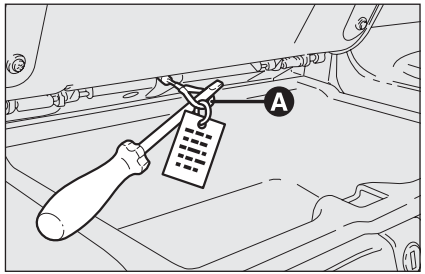


fig. 63 A0G0287m

HOW TO OPERATE THE TOP BY HAND IN THE EVENT OF ELECTRIC FAILURE

Closing the top

In case of need, the top can be closed manually, proceed as follows:

- ❒ open the object holder behind the back rear seat;
- ❒ work on cable **A-fig. 63**. The cable has a slot that can be enabled with the screw driver included in the supply that allows to open the hydraulic system release emergency valve. There is also a tag that has the warnings that allow to avoid accidental enabling of the cable;

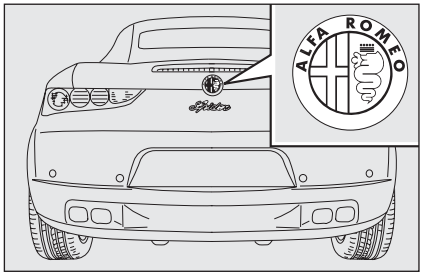


fig. 64 A0G0152m

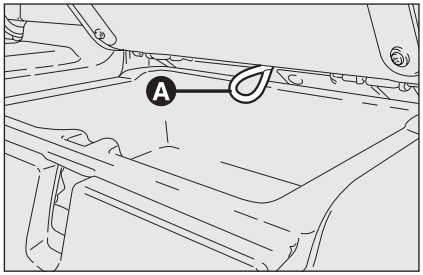


fig. 65 A0G0271m

❒ open the boot by pressing button **A-fig. 64** or, if this is not possible, open the oddment compartment set behind the left seat and operate the manual boot opening cable **A-fig. 65**;

❒ pull the tab **A-fig. 66** located on the vertical finishing of the trunk compartment in order to reach the top locl open/lock screws;

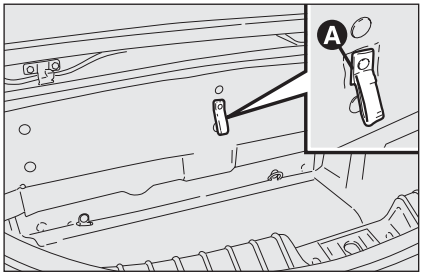


fig. 66 A0G0288m

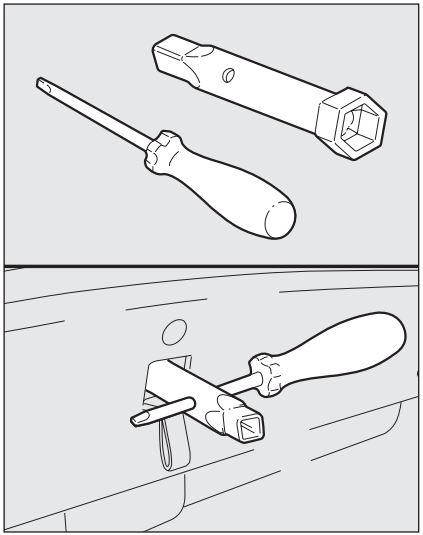


fig. 67 A0G0113m

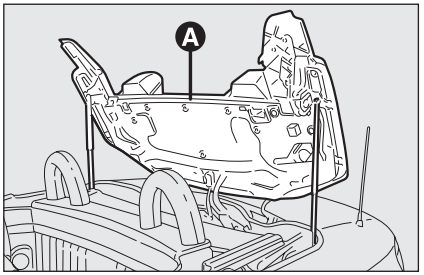


fig. 68 A0G0121m

❒ with the relevant tube key located in the trunk and the screw driver (**fig. 67**) included in the supply turn the nut to open the lock of the top cover (a quarter clockwise turn right);

❒ close the trunk and then open the top cover manually **A-fig. 68**. Make sure that to open the top cover while it turns does not damage the centre space of the trunk. If there is a risk of collision give a strong push downwards on the trunk door in the are of possible contact in order to allow it to turn;

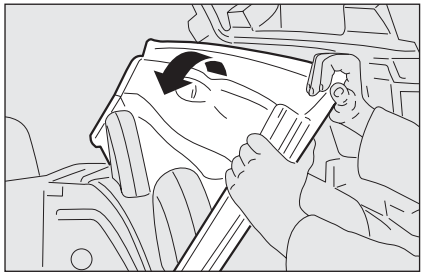


fig. 69 A0G0291m

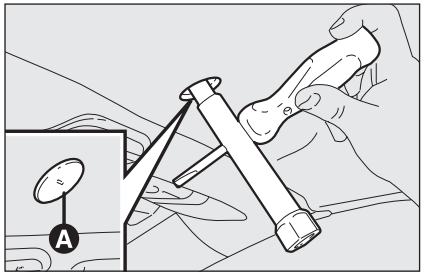


fig. 70 A0G0112m

- ❒ lift the top and lay it on the front cross piece checking that the hooks of the locks are open on the vertical position **fig. 69**;
- ❒ take out the plastic **A-fig. 70** cap located in the centre of the finishing;

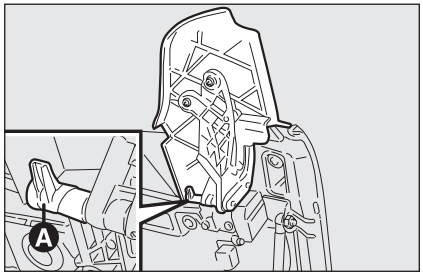


fig. 71 A0G0293m

- ❒ use the proper tube type key located in the trunk and the screw included in the supply (**fig. 70**) turn the nut counter clockwise to close the front lock of the top;
- ❒ fold flaps by turning the pin lever **A-fig. 71** to the dead center;
- ❒ lift the bow of the top slightly **fig. 72** and then lower the cover of the top **A-fig. 68**;
- ❒ lower the top arched frame **fig. 73** and then open the boot;
- ❒ close the top cover with the key (see **fig. 67**);

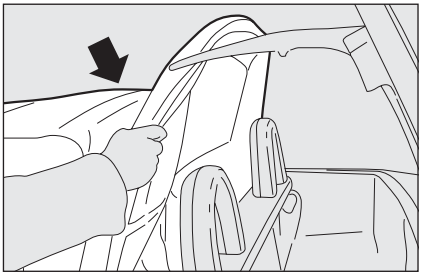


fig. 72 A0G0294m

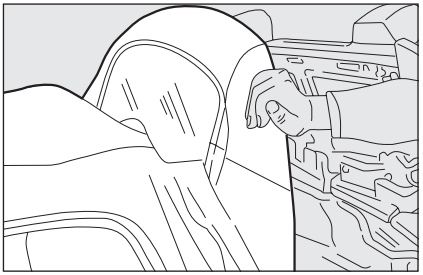


fig. 73 A0G0295m

- ❒ close the bow by pressing on the levers from inside the passenger compartment **fig. 74** (right and left) so that they exceed the dead point that locks the bow, making sure to push upwards in the point marked with the symbol **/** located on the internal lining of the top.

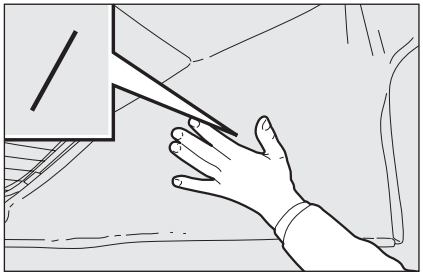


fig. 74

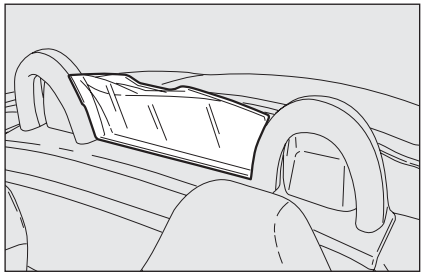


fig. 75

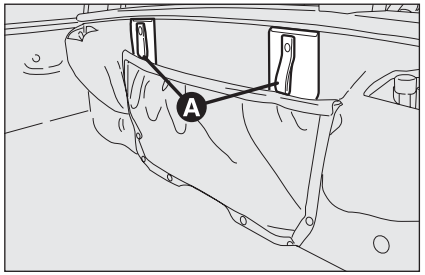


fig. 76

IMPORTANT After concluding these operations, you are however recommended to contact Alfa Romeo Authorised Services to restore regular top operation.

Opening the top

Emergency opening of the top shall be carried out at Alfa Romeo Authorised Services.

WIND STOPPER (where provided)

The wind stopper located behind the seats **fig. 75**, improves driving comfort at whatever speed since it limits air turbulence that forms inside the passenger's compartment when driving with the top fully open.

WARNING

Wind stopper fitting and removal operations shall be carried out with the top cover open and the top folded into the space provided for the purpose.

Fitting

Press button **C-fig. 61** to stow the top into its housing.

Proceed as follows:

- ❒ Stop the top cover at open position (when the top is stowed in its housing) to access the fixings of the two caps fitted into the slots of the finishing on the upper wall between the Roll Bars and that can be reached from the front side of the top housing.
- ❒ Open the two doors pulling the relevant tongs **A-fig. 76** and unscrew the two knobs that fix the plugs. Remove the plugs and insert the Wind stopper in the two horizontal slots **B-fig. 77** and in the two side slots **C** on the roll bar and make sure that they are properly positioned.

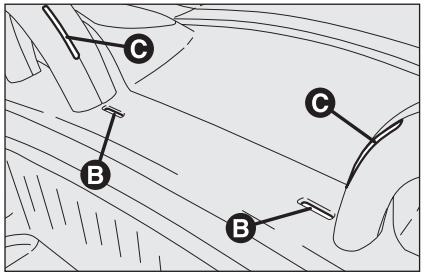


fig. 77 A0G0881m

❒ Tighten the two knobs and close the top cover by pressing button **C-fig. 61**.

Removal

Proceed as follows:

❒ Open the top cover and stop it at open position to access the lids on the front side of the top compartment (when the top is stowed into its housing).

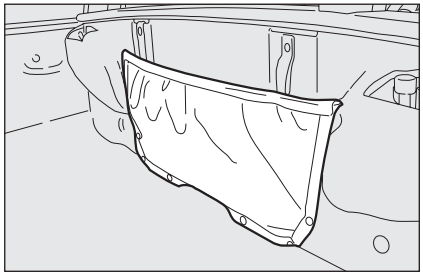


fig. 78 A0G0115m

❒ Open the lids fitted on the front finishes, slacken the knobs and remove the Wind stopper; stow it into the proper pocket obtained on the front side of the top compartment **fig. 78**.

❒ Refit the caps into the horizontal slots and tighten them. Then complete the top closing cycle.

WARNING

For safety reasons, when disassembled, the wind stopper shall not be placed inside the passenger's compartment.

Stowing

Stow the Wind stopper inside the pocket located on the front side of the top compartment **fig. 78**, check for proper positioning and then complete the top closing cycle.

IMPORTANT During wind stopper fitting/removing and stowing operations, take the utmost care to avoid damages.

WARNING

Should it be necessary to stow loads behind the seats, these shall be small, light and shall not exceed in height the upper edge of the seats.

DOORS

CENTRAL DOOR LOCKING/UNLOCKING SYSTEM

Door locking from the outside

With the doors closed, press the electronic key button or fit and turn the metal insert (inside the key) into the lock of the driver's door.

Central door locking can only be activated if all the doors are closed.

If one or more doors are open after pressing the electronic key button the direction indicators and the driver's door led will flash fast for about 3 seconds.

If one or more doors are open by turning the metal insert of the electronic key, only the driver's door led will flash fast for about 3 seconds.

If the doors are closed but the tailgate is open, central locking is actuated: the direction indicators (only for locking performed by pressing button) and the driver's door led will flash fast for about 3 seconds.

Using the "Setup Menu" (or the Radionavigation System on certain versions) of the car and pressing button on the electronic key you will activate the function for unlocking only the driver's door (see paragraph "Reconfigurable multifunction display" in this section).

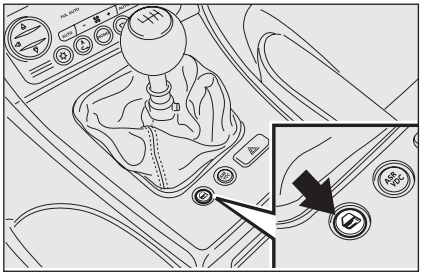


fig. 79 A0G0025m

With this function active (**ON**) it is however possible to unlock the door lock be pressing button (**fig. 79**) set on the central console.

Door unlocking from the outside

Press the electronic key button or, fit and turn the metal insert (inside the key) into the lock of the driver's door.

Door locking/ unlocking from the inside

Press button (**fig. 79**) to lock/ unlock all the doors. The button has a round led showing the door condition (locked or unlocked).

When doors are locked the button led is on: pressing the button again will obtain central unlocking of the doors and turning off of the led. With key removed, the led will turn off 2 minutes after.

When doors are unlocked, the button led is off and pressing the button will obtain central locking of the doors. Door locking is activated only if all the doors are perfectly closed.

Using the "Setup Menu" (or the Radionavigation System on certain versions) of the car it is possible to activate automatic door locking when exceeding 20 km/h (see paragraph "Reconfigurable multifunction display" in this section).

Button will be deactivated by locking the doors by remote control, driver's door revolving plug or automatic locking after about 2.5 minutes and it will be reactivated after pressing the key button turning the metal insert of the key into the driver's door lock or fitting the key into the ignition device.

IMPORTANT With centralised lock enabled, pull the internal opening lever of one of the doors in order to disable the lock of all the doors. If there should be no electrical supply (burnt fusem battery disconnected, etc.) the door lcok can be opened manually ; now being that the windows cannot be opened automatically, in order to open or lock the door with the window closed, press on the window towards the inside of the vehicle (refer to **fig. 80**), in order to allow the window to pass from the molding.

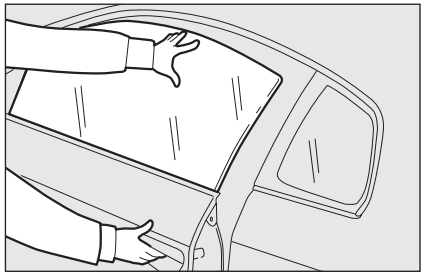


fig. 80

IMPORTANT After battery disconnection or if the protection fuse blows, door opening/closing mechanism shall be "initialised" as follows:

- close the doors;
- press remote control button or button on the central console;
- press remote control button or button on the central console.

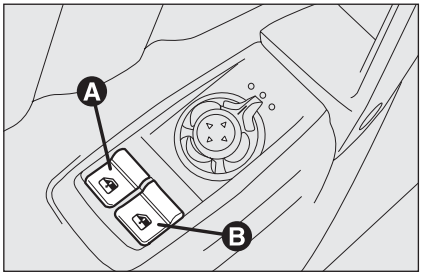
POWER WINDOWS

IMPORTANT After turning the engine off, power windows will stay active for about 3 minutes, they will deactivate immediately when opening one of the doors.

IMPORTANT Power window on driver side is provided with "automatic continuous operation" device for opening and closing the window. The power window on passenger side is provided with the same device only for opening the window. Just press briefly the upper or lower part of the button to operate the window automatically: press the button again (the upper or the lower part of the button, it doesn't matter) to stop the window at the required height.

IMPORTANT Keeping the remote control button pressed for about 2 seconds will obtain automatic window opening. Keep the remote control button pressed until closing the window completely otherwise the window will stop at the height it has when you release the button.

The system complies with the forthcoming Standard 2000/4/ EC concerning the safety of passengers leaning out of the passenger compartment.



A0G0051m

fig. 80a

CONTROLS

Driver side

On the driver's door panel are set the buttons **fig. 80a** for controlling, with electronic key fitted into the ignition device:

A: left window opening/closing; window opening or closing in "automatic continuous" mode;

B: right window opening/closing; window opening in "automatic continuous" mode;

IMPORTANT Window automatism shall be restored after replacing or disconnecting the battery or after replacing the power window control unit protection fuses.

Avoid to operate the windows with the doors open until resetting operation is performed and in any case, before closing the doors make sure that windows are open.

The resetting operation is to be carried out with **doors and tops closed** by following the instructions below:

1. open the driver's window completely and then**keep the button pressed** for at least 3 seconds after opening the window;
2. close the driver's window completely and then **keep the button pressed** for at least 3 seconds after closing the window;
3. repeat operations described at points **1** and **2** on the passenger's window;
4. operate the windows to check for proper initialisation.

Press buttons **A** or **B** to open/close the required window.

Pressing briefly one of the buttons the window "jerks" whereas a prolonged pressing makes the window opening or closing in "automatic continuous" mode.

Pressing button **A** or **B** again will stop the window in the required position.

Improper use of the power windows can be dangerous. Before and during its operation ensure that any passengers are not at risk from the moving glass either by personal objects getting caught in the mechanism or by being injured by it directly. Always remove the ignition key when getting out of the car to prevent the power windows being operated accidentally and constituting a danger to the passengers in the car.

Passenger's door

On the passenger's side door there is a pushbutton that controls manual window open/close or only automatic opening.

BOOT

The boot is fitted with a power lock that is disabled when the car is running.

Using the "Setup Menu" (or the Radionavigation System on certain versions) boot opening can be set by selecting the option "Indep. boot" (see paragraph "Reconfigurable multifunction display" in this section): the boot can only be opened by pressing the electronic key button.

Improper boot closing is indicated by symbol and a message on the display (see section "Warning lights and messages").

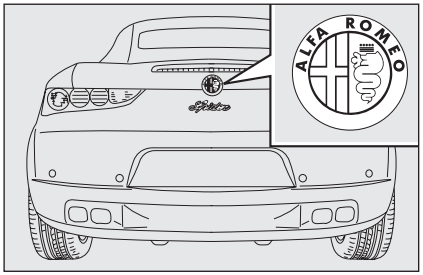


fig. 81 A0G0152m

When unlocked, the boot can be opened from outside the vehicle pressing the electric logo (**fig. 81**) until it snaps unlocked.

Tailgate raising is facilitated by the side gas shock springs.

Opening the boot its internal light will turn on and it will go off automatically when re-closing the tailgate. Leaving the tailgate inadvertently open, the light will turn off automatically after a few minutes.

IMPORTANT After battery disconnection or if the protection fuse blows, tailgate opening/closing mechanism shall be "initialised" as follows:

- close the doors and the tailgate;
- press the remote control button or button on the central console;
- press the remote control button or button on the central console.

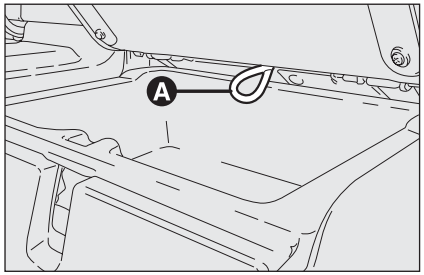


fig. 82

EMERGENCY OPENING OF THE BOOT FROM THE PASSENGER COMPARTMENT

In the event of battery disconnection, the tailgate can be opened by pulling handle **A-fig. 82** set inside the oddment compartment behind the left-hand seat.

OPENING THE TAILGATE BY REMOTE CONTROL

Press the electronic key button. Opening is indicated by double flashing of direction indicators.

Opening the boot with alarm on (where provided), will deactivate:

- ❒ volumetric protection ;
- ❒ anti-raising protection;
- ❒ tailgate monitoring sensor.

Re-closing the tailgate will restore all the above functions and direction indicators will turn on for about 1 second.

TAILGATE CLOSING

Lower the tailgate pressing the lock until hearing the locking click.

IMPORTANT Before closing the boot, check whether you have with you the ignition key since the boot will be locked automatically.

The addition of objects (speakers, spoilers, etc.) on the boot lid, except those envisaged by the manufacturer, may prevent the gas filled struts at the sides of the boot from working properly.

WARNING

When using the boot, make sure the loads do not exceed the permitted weight (see section "Technical specifications"). Also make sure the items in the boot are arranged properly to prevent them being thrown forwards and injuring passengers should you brake sharply.

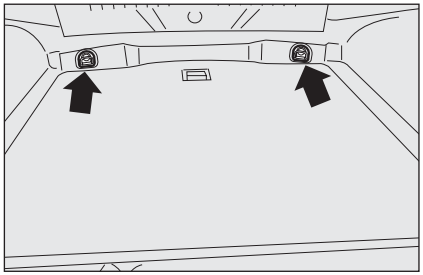


fig. 83

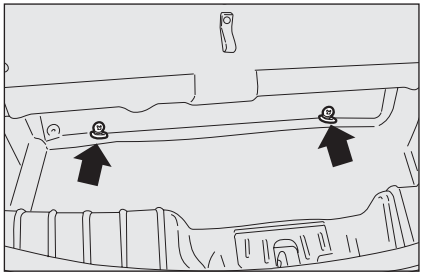


fig. 84

ANCHORING THE LOAD

The boot houses 4 hooks **fig. 83-84** for anchoring ropes in order to guarantee perfect load anchoring.

WARNING

A heavy load that has not been secured may cause serious harm.

WARNING

If you want to carry reserve fuel in a can, follow law regulations, only using a certified can, suitably fastened to the load securing eyelets. Even in this way the risk of fire is increased in the case of an accident.

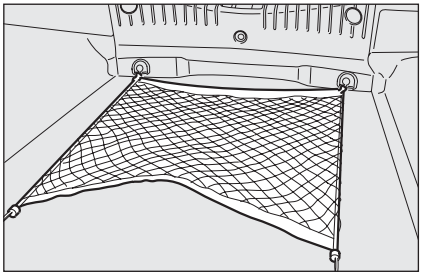


fig. 85

LUGGAGE COVER fig. 85 (where provided)

The luggage cover shall be used to arrange luggage and/or to carry light objects.

The luggage cover shall be secured to the hooks in the boot.

BONNET

TO OPEN THE BONNET

Proceed as follows:

- ❒ pull lever **A-fig. 86** until hearing the releasing click;
- ❒ keep the lever **B-fig. 87** pulled and raise the bonnet

IMPORTANT Bonnet raising is aided by two gas springs. Do not tamper with these springs and guide the bonnet while raising it.

IMPORTANT Before opening the bonnet, check that windscreen wiper arms are not lifted from the windscreen or the wiper is working.

TO CLOSE THE BONNET

Lower the bonnet at approx. 20 centimetres from the engine compartment and then let it drop, ensuring that it is fully closed and not just held in position by the safety catch. If the bonnet does not close properly, do not push it down but open it again and repeat the above procedure.

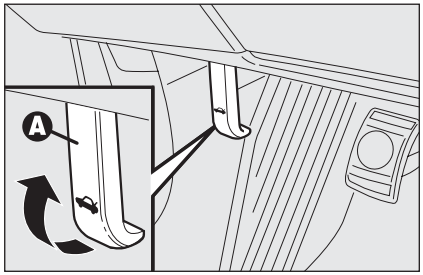


fig. 86 A0G0122m

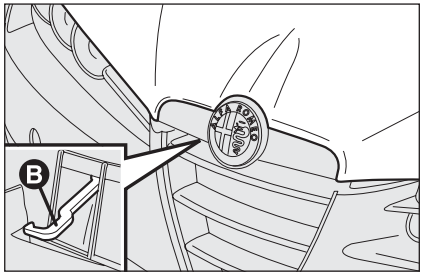


fig. 87 A0G0158m

Improper bonnet closing is indicated by symbol and a message on the display (see section "Warning lights and messages").

IMPORTANT Always check that the bonnet is closed properly to avoid its opening while the car is travelling.

WARNING

Carry out operations only when the car is stationary.

WARNING

For safety reasons the bonnet must be closed properly to avoid its opening while the car is travelling. Therefore, always check it is properly closed and the catch engaged. Should you notice that the catch is not perfectly engaged when travelling, stop the car immediately and close the bonnet.

HEADLIGHTS

ADJUSTING THE HEADLIGHT BEAM

Proper adjustment of the headlight beams is of vital importance for your safety and comfort and also for the other road users. To ensure you and other drivers have the best visibility conditions when travelling with the headlights on, the headlights must be set properly. Contact Alfa Romeo Authorized Services to have the headlights properly adjusted.

HEADLIGHT AIMING DEVICE

It works with the key fitted into the ignition device and dipped beams on.

When the car is loaded, it slopes backwards. This means that the headlight beam rises. In this case, it is necessary to return it to the correct position.

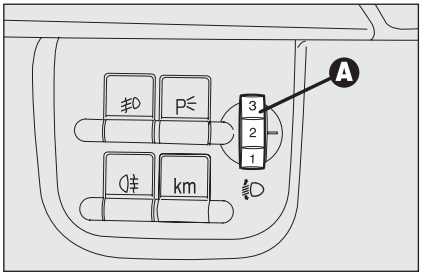


fig. 88 A0G0226m

In this event, to adjust the headlight slant use control **A-fig. 88** set on the button control panel near the steering wheel.

If the car is fitted with bixenon headlights, headlight aiming is electronic and therefore control **A** is not present.

Control has four positions corresponding to the loads given below:

- ❒ position **0** - load: driver / driver + front passenger;
- ❒ position **1** - load: driver + 3 passengers / driver + 3 passengers + load stored into the boot (65 kg for 2.2 JTS version, 50 kg for 3.2 JTS version);
- ❒ position **2** - load: driver + load stored into the boot (290 kg for 2.2 JTS version, 275 kg for 3.2 JTS version);
- ❒ position **3** - not to be used.

IMPORTANT Check headlight slant each time the transported load changes.

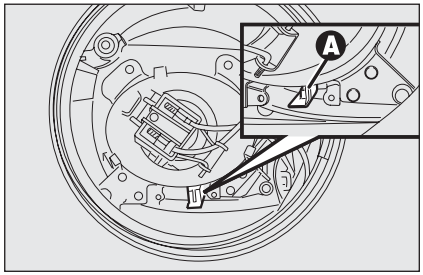


fig. 89

FRONT FOG LIGHT ADJUSTMENT

Contact Alfa Romeo Authorized Services to have the headlights correctly adjusted.

HEADLIGHT ADJUSTMENT ABROAD

The dipped beam headlights are adjusted for circulation in the country in which the car is marketed. In countries with opposite circulation, to avoid glaring oncoming vehicles, proceed as follows:

- ❒ remove headlight cover (see paragraph "Dipped beam headlights" in section "In an emergency");
- ❒ move lever **A-fig. 89** aside.

ABS SYSTEM

The car is fitted with ABS braking system, which prevents the wheels from locking when braking, makes the most of road grip and gives the best control when emergency braking under difficult road conditions.

System is completed by EBD (Electronic Braking Force Distribution), which distributes the braking action between front and rear wheels.

IMPORTANT To have the maximum efficiency of the braking system, it is necessary a setting period of about 500 km: during this period it is better to avoid sharp, repeated and prolonged brakes.

ABS SYSTEM INTERVENTION

The driver can tell the ABS system has come into action because the brake pedal pulsates slightly and the system gets noisier: it means that the car speed should be altered to fit the type of road surface.

WARNING

If the ABS system cuts in, it is a sign that the grip between tyre and the road surface has reached the limit: you must slow down to match the speed to the road grip available.

WARNING

The ABS exploits the tyre-road grip at the best, but it cannot improve it; you should therefore take every care when driving on slippery surfaces without taking unnecessary risks.

WARNING

When the ABS cuts in, and you feel the brake pedal pulsating, do not remove your foot, but keep it pressed; in doing so you will stop in the shortest amount of space possible under the current road conditions.

FAILURE WARNING LIGHTS

ABS failure

ABS failure is indicated by the turning on of warning light (ABS) on the instrument panel (together with a message on the display) (see section "Warning lights and messages"). In this case the braking system is still efficient, though without the aid of the ABS system.

Drive carefully to the closest Alfa Romeo Authorized Services to have the system checked.

EBD failure

EBD failure is indicated by the turning on of warning lights (ABS) + (!) on the instrument panel (together with a message on the display) (see section "Warning lights and messages").

In this case with sharp braking the rear wheels might lock too early, with the possibility of skidding. Drive extremely carefully to the closest Alfa Romeo Authorized Services to have the system checked.

BRAKE ASSIST (emergency braking assistance)

The system, which cannot be cut out, recognizes emergency braking (on the ground of the brake pedal operation speed) and considerably increases the pressure in the brake circuit.

Brake Assist is deactivated on the versions equipped with VDC system in the event of VDC system failure, indicated by the turning on of warning light Ⓐ on the instrument panel (together with a message on the display).

VDC SYSTEM (Vehicle Dynamics Control)

The VDC system is an electronic system controlling the car stability in the event of tyre grip loss.

The VDC system is therefore particularly useful when grip conditions of the road surfaces changes.

VDC SYSTEM INTERVENTION

It is indicated by the blinking of the warning light Ⓐ on the instrument panel, to inform the driver that the car is in critical stability and grip conditions.

TURNING THE VDC SYSTEM ON/OFF

The VDC system is automatically activated when the engine is started. When travelling, to turn the VDC off press the ASR/ VDC button on the central console for 2 seconds **fig. 90**. Turning off the VDC will also turn off the ASR. Both functions can be reactivated by pressing the ASR/VDC button.

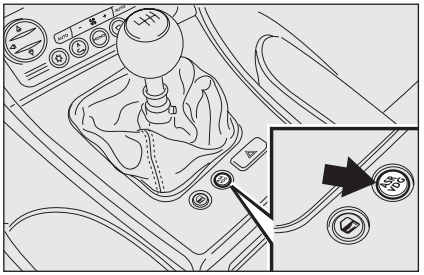


fig. 90

VDC system deactivation is indicated by the dedicated message on the display.

If the VDC has been turned off when travelling, at next engine start-up it will turn on again automatically.

FAILURE WARNING LIGHTS

In the event of failure, the VDC system is automatically disconnected and the warning light ⚠ comes on with fixed light on the instrument panel (together with a message on the display) (see section "Warning lights and messages"). In this case contact Alfa Romeo Authorized Services as soon as possible.

WARNING

Performance of the VDC system, in terms of active safety should not induce the driver to take pointless and unnecessary risks. The style of driving must in any case always be adapted to the conditions of the road surface, visibility an traffic. Road safety is always the driver's responsibility.

WARNING

During the use of the space-saver spare wheel (where provided), the VDC system carries on working. However, you must remind that the space-saver spare wheel has dimensions smaller than the standard tyre and therefore its grip is reduced as to the other car tyres.

WARNING

For correct operation of the VDC system, the tyres must absolutely be of the same brand and type on all wheels, in perfect conditions and, above all, of type, brand and size specified.

HILL HOLDER SYSTEM

This system is an integral part of the VDC system and it is provided to facilitate starting on slopes:

- ❒ uphill: car at a standstill on a road with a gradient higher than 6%, engine running, clutch and brake pedal depressed, gearbox to neutral or engaged gear other than reverse;
- ❒ downhill: car at a standstill on a road with a gradient higher than 6%, engine running, clutch and brake pedal depressed and reverse gear engaged.

At pickup the VDC system control unit will keep brake force on wheels until reaching the torque suitable for starting, or in any case for about 1 second in order to pass easily from the brake pedal to the accelerator pedal.

This time elapsing without starting, the system will deactivate automatically by releasing gradually the brake force.

At releasing, the typical brake disengagement noise indicating that the car is going to move will be heard.

Failure warnings

System failure is indicated by the dedicated message on the display (see section "Warning lights and messages").

IMPORTANT The Hill Holder system is not a parking brake. Never get out of the car without engaging the handbrake, switching the engine off and engaging the first gear.

ASR SYSTEM (AntiSlip Regulation)

This system is an integral part of the VDC system, it controls car drive and cuts in automatically every time one or both driving wheels slip.

According to slipping conditions, two different control systems are activated:

- ❒ if slipping involves both driving wheels, the ASR function intervenes reducing the power transmitted by the engine;
- ❒ if slipping involves only one driving wheel, the ASR system cuts in automatically braking the wheel that is slipping.

The action of the ASR is particularly helpful in the following circumstances:

- ❒ slipping of the inner wheel due to the effect of dynamic load changes or excessive acceleration;
- ❒ too much power transmitted to the wheels also in relation to the conditions of the road surface;
- ❒ acceleration on slippery, snowy or frozen surfaces;
- ❒ in the case of loss of grip on a wet surface (aquaplaning).

WARNING

The performance of the system, in terms of active safety should not induce the driver to take pointless and unnecessary risks. The style of driving must in any case always be adapted to the conditions of the road surface, visibility an traffic. Road safety is always the driver's responsibility.

Switching the ASR system on/off

The ASR system switches on automatically each time the instrument panel is turned on.

When travelling the ASR can be switched off by pressing briefly the ASR/VDC button on the central console.

When the ASR is switched off this is shown by the lighting up of the ASR/VDC button led and by symbol on the display.

If the ASR is switched off when travelling, it will turn on again automatically the next time the engine is started.

When travelling on snowy roads with snow chains, it may be helpful to turn the ASR off: in fact, in these conditions, slipping of the driving wheels when moving off makes it possible to obtain better drive.

Failure warnings

In the event of malfunctioning, the ASR system is automatically disconnected and symbol will be displayed. In this case contact Alfa Romeo Authorized Services as soon as possible.

WARNING

For correct operation of the ASR system, all tyres must absolutely be of the same brand, size and type, in normal conditions of use and at the pressure values specified in paragraph "Wheels" in section "Technical Specifications").

MSR system (engine braking torque control)

It is an integral part of the ASR system that in case of sudden gear shifting, cuts in providing torque to the engine thus preventing excessive driving wheel drive that, specially in poor grip conditions, can lead to loss of stability.

EOBD SYSTEM (optional for versions/markets where applicable)

The EOBD system (European On Board Diagnosis) allows continuous diagnosis of the components of the car correlated with emissions.

It also alerts the driver, by turning on the warning light on the instrument panel (together with the message on the display) (see section "Warning lights and messages"), when these components are no longer in peak conditions.

The objective is:

- ❒ to keep system efficiency under control;
- ❒ to warn when a fault causes emission levels to increase;
- ❒ to warn of the need to replace deteriorated components.

The system also has a diagnostic connector that can be interfaced with appropriate tools, which makes it possible to read the error codes stored in the control unit, together with a series of specific parameters for engine operation and diagnosis. This check can also be carried out by the traffic police.

IMPORTANT After eliminating the inconvenience, to check the system completely, Alfa Romeo Authorized Services are obliged to run a bench test and, if necessary, road tests which may also call for a long journey.

If when fitting the key into the ignition device, the warning light does not turn on or if, while travelling it turns on glowing steadily or flashing, contact Alfa Romeo Authorized Services as soon as possible. Warning light operation can be checked by means of special equipment by traffic agents. Always comply with the traffic regulations in force in the country where you are travelling.

SOUND SYSTEM

The car is fitted with sound system with CD or MP3 CD player (where provided). As concerns sound system operation, refer to the Supplement attached to this Owner's Manual.

ACCESSORIES PURCHASED BY THE OWNER

If after buying the car, you decide to install electrical accessories that require a permanent electric supply (alarm, satellite antitheft system, etc.) or accessories that in any case burden the electric supply, contact Alfa Romeo Authorized Services, whose qualified personnel, besides suggesting the most suitable devices belonging to Lineaccessori Alfa Romeo, will also evaluate the overall electric absorption, checking whether the car's electric system is able to withstand the load required, or whether it needs to be integrated with a more powerful battery.

WARNING

Take care when fitting additional spoilers, alloy rims and non-standard wheel caps: they might reduce ventilation of the brakes, thus their efficiency, during abrupt and repeated braking, or long downhill slopes. Make sure that nothing (mats, etc.) gets in the way of the pedals when they are pushed down.

INSTALLATION OF ELECTRIC/ELECTRONIC DEVICES

Electric/electronic devices installed after buying the car or in aftermarket shall bear the and marking:

e CE

Fiat Auto S.p.A. authorizes the installation of transceivers provided that installation is carried out at a specialized shop, workmanlike performed and in compliance with manufacturer's specifications.

IMPORTANT Installation of devices resulting in modifications of car characteristics may cause driving license seizing by traffic agents and also the lapse of the warranty as concerns defects due to the abovementioned modification or traceable back to it directly or indirectly.

Fiat Auto S.p.A. declines all responsibility for damages caused by the installation of non-genuine accessories or not recommended by Fiat Auto S.p.A. and installed not in compliance with the specified requirements.

RADIO TRANSMITTERS AND CELLULAR TELEPHONES

Mobile phones and other radio transceiver equipment (e.g.: HAM radio systems and the like) shall not be used inside the car unless a separate aerial is mounted.

IMPORTANT The use of mobile phones, HAM radio systems or other similar devices inside the passenger compartment (without separate aerial) may cause electronic systems equipping the car to malfunction. This could compromise safety in addition to constituting a potential hazard for the passengers.

In addition, transmission and reception of these devices may be affected by the shielding effect of the car body.

As concerns the use of mobile phones (GSM, GPRS, UMTS) with CE homologation, keep strictly to the mobile phone manufacturer's specifications.

PARKING SENSORS (where provided)

Parking sensors inform the driver about the presence of obstacles behind the car.

This system is therefore an aid for the driver when parking the car since it detects obstacles out of the driver's sight range.

The presence and the distance from the car of an obstacle is indicated by a warning buzzer - as the distance from the obstacle decreases, the acoustic alarm becomes more frequent.

ACTIVATION

Sensors are activated automatically, with electronic key fitted into the ignition device, when the reverse gear is engaged.

When sensors are on, rear indicators will sound warning signals as soon as an obstacle is detected: as the distance from the obstacle decreases, the acoustic alarm becomes more frequent.

When the distance between the car and the obstacle is less than 30 cm, the acoustic alarm becomes continuous.

The acoustic alarm will stop immediately as distance raises. The acoustic alarm is constant if the distance measured by central sensors is unvaried, whereas if this situation takes place for side sensors the acoustic alarm is muted after about 3 seconds to prevent sound indications when performing manoeuvres near walls.

WARNING

Parking manoeuvres however are always under the driver's responsibility that shall always check the absence of people (specially children) or animals in the manoeuvre space. This system is just a help for the driver but she/he shall never reduce attention during dangerous manoeuvres even if performed at low speed.

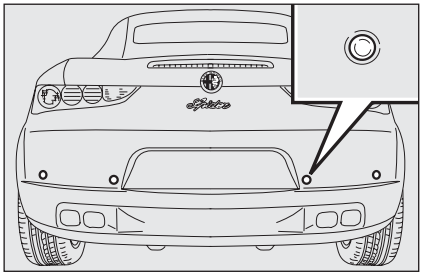


fig. 91

SENSORS

Obstacles are detected by 4 sensors located in the rear bumper **fig. 91**.

BUZZER

The presence of any obstacle and its distance from the car is indicated by the buzzers installed in the rear area of the passenger compartment.

For proper operation, the parking sensors shall always be clean from mud, dirt, snow or ice. When cleaning the sensors, take the utmost care to prevent their damaging; do not use therefore dry or rough clothes. Sensors shall be washed with clean water and car detergent, if required. In washing stations, clean sensors quickly keeping the vapour jet/high pressure washing nozzles at 10 cm at least from the sensors.

Repainting the bumpers or touch-up in the sensor area, if required, shall be carried out at Alfa Romeo Authorized Services only. Incorrect repainting may impair regular operation of the parking sensors.

SENSOR DETECTION RANGE

Sensors enable the system to monitor he rear part of the car.

Actually their position covers the central and side areas of the rear part of the car.

An obstacle positioned at central area is detected at a distance less than approx. 1.40 m.

An obstacle positioned at side area is detected at a distance less than 0.6 m.

TOWING TRAILERS

Sensors are reactivated automatically when removing the trailer cable plug.

Sensors operation is deactivated automatically when the trailer electric cable plug is fitted into the car tow hook socket.

FAILURE INDICATIONS

The system control unit checks every system component each time the key is fitted into the ignition device. Sensors and relevant electrical connections are then constantly monitored during system operation.

Sensor failure is indicated by message + symbol on the display (see section "Warning lights and messages").

If a failure is indicated, stop the car, turn the engine off and then clean the sensors. Make sure to be far from possible ultrasound sources (e.g.: truck pneumatic brakes or pneumatic hammers).

If failure cause has been eliminated the system will resume regular operation and message + symbol on the display will turn off.

If the warning light stays on, contact Alfa Romeo Authorized Services to have the system inspected, although the system keeps on working. If the failure detected does not impair system operation, the system keeps on working and failure is stored in order to be then detected by Alfa Romeo Authorized Services at next inspection.

GENERAL WARNINGS

When parking, take the utmost care to obstacles that may be set above or under the sensors. Objects set close to the car, under certain circumstances are not detected and could therefore cause damages to the car or be damaged.

Indications sent by the sensors can be altered by dirt, snow or ice deposited on the sensors or by ultrasound systems (e.g.: truck pneumatic brakes or pneumatic hammers) set nearby the car.

TYRE PRESSURE MONITORING SYSTEM - T.P.M.S. (where provided) (optional for versions/ markets where applicable)

The car can be equipped with the T.P.M.S. (Tyre Pressure Monitoring System). This system consists of a radio-frequency sensor, installed on each wheel (on the rim inside the tyre) that sends pressure information to the control unit.

WARNING

The T.P.M.S. does not exempt the driver from checking tyre pressure, including the space-saver spare wheel (where provided) at regular intervals.

IMPORTANT NOTES

Failure indications will not be stored and therefore will not be displayed when turning the engine off and on again. If failure persists, the control unit will send warning indications to the instrument panel only after a few seconds when the car is moving.

Tyre pressure should be checked with tyres cold. Should it become necessary for whatever reason to check pressure with hot tyres, do not reduce pressure although it is higher than the prescribed value but repeat the check when tyres are cold (see section "Wheels" in section "Technical Specifications").

T.P.M.S. cannot indicate sudden tyre pressure drops (e.g.: tyre burst). In this event, brake the car cautiously and avoid sudden steering.

The T.P.M.S. system requires special equipment. Consult Alfa Romeo Authorized Services to know what type of accessories are compatible with the system (wheels, wheel caps, etc.). Using other accessories could cause system malfunctioning. Due to inflation valve special characteristics, use only tyre repair sealants approved by Alfa Romeo; other sealants could cause system malfunctioning.

If the car is fitted with T.P.M.S. system, when changing a tyre, change also the rubber seal of the valve and the fastening ring of the sensor. Contact Alfa Romeo Authorized Services.

Strong radio-frequency disturbances could inhibit proper TPMS system operation. This condition is indicated by a dedicated massage on the display. This indication will go off automatically as soon as the radio-frequency disturbance ceases.

If after repairing a punctured tyre with the Fix&Go automatic kit and restoring the initial conditions the flat tyre warning light continues to stay on, contact Alfa Romeo Authorized Services.

Tyre pressure could change according to outside temperature. For this reason the T.P.M.S. system could temporarily indicate low tyre pressure. In this event check pressure with cold tyres and restore proper inflation values if required.

If the car is fitted with T.P.M.S. system, tyre and/or rim removal and refitting operations involve special precautions; to prevent damages or wrong sensor refitting, contact Alfa Romeo Authorized Services to have tyre and/or rim changed.

In order to use the system properly, refer to the following table when you have to change wheels/tyres:

Operation	Sensor presence	Failure Indication	Alfa Romeo Authorized Services operation
–	–	YES	Contact Alfa Romeo Authorized Services
Wheel change with space-saver spare wheel	NO	YES	Repair damaged wheel
Wheel change with snow tyres	NO	YES	Contact Alfa Romeo Authorized Services
Wheel change with snow tyres	YES	NO	–
Wheel change with others of different size (*)	YES	NO	–
Wheel cross switching (front/rear) (**)	YES	NO	–

(*) Given as an alternative on the owner's manual and to be found in Lineaccessori Alfa Romeo.

(**) Not crossed (tyres shall remain on the same side).

AT THE FILLING STATION

PETROL ENGINES

Use only unleaded petrol. To prevent errors, the diameter of the fuel tank filler is too small to introduce a lead petrol pump filler. Use petrol with a rated octane number (R.O.N.) not lower than 95.

IMPORTANT An inefficient catalyst leads to harmful exhaust emissions, thus contributing to air pollution.

IMPORTANT Never use leaded petrol, even in small amount or in an emergency, as this would damage the catalyst beyond repair.

DIESEL ENGINES

If the outside temperature is very low, the diesel thickens due to the formation of paraffin and could clog the diesel fuel filter.

In order to avoid these problems, different types of diesel are distributed according to the season: summer type, winter type arctic type (mountains/cold areas).

If refuelling with diesel fuel not suitable for the current temperature, mix diesel fuel with **TUTELA DIESEL ART** additive in the proportions stated on the can, putting first the antifreeze in the tank and then the diesel fuel.

If driving or parking the vehicle for a long period in cold areas/mountains, refuel with the diesel fuel available at local filling stations. In this situation you are also recommended to have in the tank an amount of fuel 50% higher than usable capacity.

The car must only be filled with diesel fuel for motor vehicles, in compliance with European Standard EN590. The use of other products or mixtures may irreparably damage the engine with invalidation of the warranty due to the damage caused. In the event of accidentally filling with another type of fuel, do not start the engine and empty the tank. If the engine has been run even for only a very short time, in addition to the tank, it is also necessary to drain out the whole fuel circuit.

REFUELLING

To guarantee full tank filling, carry out two refuelling operations after the first click of the fuel delivery gun. Avoid further topping up operations that could cause damages to the fuel system.

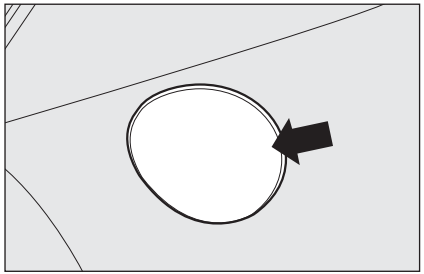


fig. 92 A0G0159m

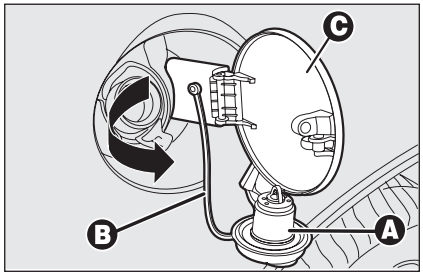


fig. 93 A0G0160m

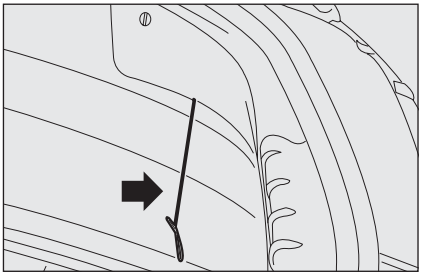


fig. 94 A0G0130m

FUEL FILLER CAP

The fuel filler cap can only be opened with doors unlocked and engine turned off.

To open the lid operate on the front part as shown by the arrow in **fig. 92**.

The fuel filler cap **A-fig. 93** is fitted with an antiloss device **B** which fastens it to the lid **C** so it cannot be mislaid.

When refuelling, secure the cap to the device inside the lid as shown in the figure.

IMPORTANT The sealing of the tank may cause light pressurising in the tank. A little breathing off, while slackening the cap, is absolutely normal.

WARNING

Do not put naked flames or lighted cigarettes near the fuel filler hole as there is danger of fire. Do not bend too close to the hole either so as not to breathe in harmful vapours.

EMERGENCY OPENING OF THE FUEL FILLER CAP

In case of failure, the fuel filler cap can be opened by pulling string set on the right side of the boot **fig. 94**.

PROTECTING THE ENVIRONMENT

The devices for curtailing petrol engine emissions are the following:

- ❒ three-way catalytic converter;
- ❒ Lambda sensors;
- ❒ fuel evaporation system.

In addition, do not let the engine run, even for a test, with one or more spark plugs disconnected.

The devices for curtailing diesel fuel engine emissions are the following:

- ❒ oxidising catalytic converter;
- ❒ exhaust gas recirculation system (E.G.R.);
- ❒ diesel particulate filter (DPF).

WARNING

During normal service the diesel particulate filter (DPF) reaches high temperatures. Do not therefore park the car over inflammable materials (grass, dry leaves, pine needles, etc.): fire hazard.

DIESEL PARTICULATE FILTER (DPF)

The Diesel Particulate Filter is a mechanical filter, integral with the exhaust system, that physically traps particulate present in the exhaust gases of Diesel engines.

The diesel particular filter has been adopted to eliminate almost totally particulates in compliance with current / future law regulations.

During normal use of the car, the engine control unit records a set of data (e.g.: travel time, type of route, temperatures, etc.) and it will then calculate how much particulates has been trapped by the filter.

Since this filter physically traps particulates, it shall be cleaned (reclaimed) at regular intervals by burning carbon particles. Reclaiming procedure is controlled automatically by the engine control unit according to the filter conditions and the conditions of use of the car. During reclaiming the following phenomena could take place: idling slight increase, fan activation, slight smoke increase, high exhaust temperatures. These situations shall not be considered as faults and they do not affect car performance and environment.

Diesel particulate filter clogged

When the Diesel particulate filter is clogged, the display will show symbol and the dedicated message. In this case keep the car running until symbol + and message turn off.

SAFETY DEVICES

SEAT BELTS 118
S.B.R. SYSTEM 118
PRETENSIONERS 119
CARRYING CHILDREN SAFELY 122
FRONT AIR BAGS 126
SIDE AIR BAGS (Side bag) 130

SEAT BELTS

USING THE SEAT BELTS

The belt should be worn keeping the chest straight and rested against the seat back.

To fasten seat belts, take the tongue **A-fig. 1** and insert it into the buckle **B**, until hearing the locking click.

At removal, if it jams, let it rewind for a short stretch, then pull it out again without jerking.

To unfasten the seat belts, press button **C**. Guide the seat belt with your hand while it is rewinding, to prevent it from twisting.

WARNING

Never press button C when travelling.

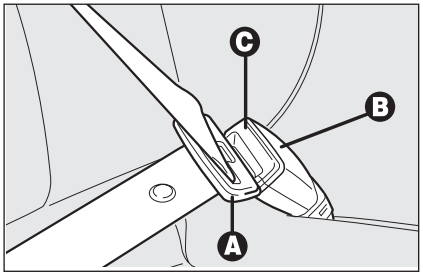


fig. 1

Through the reel, the belt automatically adapts to the body of the passenger wearing it, allowing freedom of movement.

When the car is parked on a steep slope the reel mechanism may block; this is normal. The reel mechanism prevents the webbing coming out when it is jerked or if the car brakes sharply, in a collision or when cornering at high speed.

S.B.R. SYSTEM (Seat Belt Reminder)

The car is fitted with the S.B.R. system (Seat Belt Reminder), consisting of a buzzer which, together with the flashing of warning light, warns the driver and the front passenger to fasten the seat belt.

The buzzer can be muted temporarily as follows:

- ❒ fasten the seat belts;
- ❒ fit the electronic key into the ignition device;
- ❒ wait for over 20 seconds, but less than 1 minute, and then unfasten one of the front seat belts.

This procedure will be valid until switching the engine off.

For permanent deactivation, contact Alfa Romeo Authorized Services. The S.B.R. system can only be reset through the "Setup Menu" on the display (see paragraph "Reconfigurable multifunction display" in section "Dashboard and controls").

PRETENSIONERS

To increase the efficiency of the seat belts, the car is fitted with pretensioners. These devices, in the event of a violent crash, rewind the seat belts a few centimetres. In this way they ensure that the seat belt adheres perfectly to the wearer before the restraining action begins.

Pretensioners activation is indicated by seat belt retractor locking; the seat belt cannot be drawn back up when guiding it manually.

IMPORTANT To obtain the highest degree of protection from the action of the pretensioning device, wear the seat belt keeping it firmly close to the chest and pelvis.

Pretensioners activate only if seat belts are properly fitted into buckles.

A small amount of smoke may be produced. This smoke is in no way toxic and presents no fire hazard.

Anything that modifies its original conditions invalidates its efficiency. Anything that modifies its original conditions invalidates its efficiency. If due to unusual natural events (floods, sea storms, etc.) the device has been affected by water and mud, it must necessarily be replaced.

WARNING

The pretensioner can only be used once. After a collision that has triggered it, have it replaced at Alfa Romeo Authorized Services. Pretensioner validity is indicated on the label on driver's door. Pretensioners should be replaced at Alfa Romeo Authorized Services as this date approaches.

Operations which lead to knocks, vibrations or localised heating (over 100°C for a maximum of 6 hours) in the area around the pretensioners may cause damage or trigger them. These devices are not affected by vibrations caused by irregularities of the road surface or low obstacles such as kerbs, etc. Contact Alfa Romeo Authorized Services for any assistance.

LOAD LIMITERS

To increase passenger's safety, the seat belt reels contain a load limiter which allows controlled sag in such a way as to dose the force acting on the chest and shoulders during the belt restraining action in case of front crash.

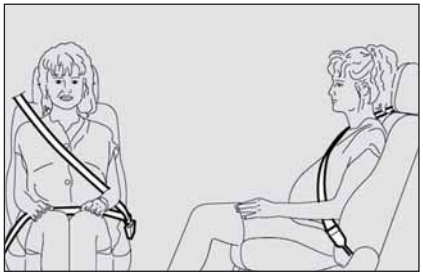


fig. 2

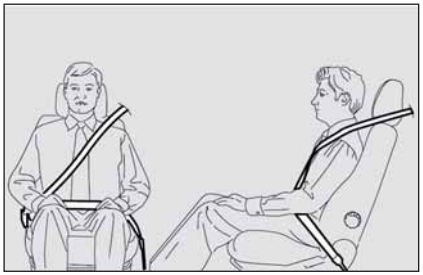


fig. 3

GENERAL INSTRUCTIONS FOR USING THE SEAT BELTS

The driver must comply with (and have the car occupants follow) all the local legal regulations concerning the use of seat belts.

Always fasten the seat belts before starting.

Seat belts are also to be worn by expectant mothers: the risk of injury in the case of accident is greatly reduced for them and the unborn child if they are wearing a seat belt. Of course they must position the lower part of the belt very low down so that it passes under the abdomen **fig. 2**.

IMPORTANT The belt should not be twisted. The upper part should pass over the shoulder and cross the chest diagonally. The lower part should adhere to the pelvis **fig. 3** and not the abdomen of the passenger. Do not use any objects (pegs, stoppers, etc.) to keep the belts away from the body.

WARNING

For maximum protection keep the back of your seat upright, lean back into it and make sure the seat belt fits closely across your chest and hips. Make sure that the seat belts of the front and rear passengers are fastened at all times! You increase the risk of serious injury or death in a collision if you travel with the belts unfastened.

fig. 4 A0G0105m

IMPORTANT Never travel with a child sitting on the passenger's lap with a single belt to protect them both **fig. 4**. Do not fasten other objects to the body.

WARNING

Under no circumstances should the components of the seat belts and pretensioners be tampered with or removed. Any operation should be carried out by qualified and authorised personnel. Always contact Alfa Romeo Authorized Services.

WARNING

If the belt has been subjected to heavy stress, for example after an accident, it should be changed completely together with the anchors, anchor fastening screws and the pretensioners. In fact, even if the belt has no visible defects, it could have lost its resilience.

HOW TO KEEP THE SEAT BELTS ALWAYS IN EFFICIENT CONDITIONS

- ❒ Always use the belt with the tape taut and never twisted; make sure that it is free to run without impediments;
- ❒ a serious accident, replace the belt being worn at that time, even if it does not appear damaged. Always replace the seat belts if pretensioners have been activated;
- ❒ to clean the belts, wash by hand with neutral soap, rinse and leave to dry in the shade. Never use strong detergents, bleach or dyes or other chemical substance that might weaken the fibres;
- ❒ prevent the reels from getting wet: their correct operation is only guaranteed if water does not get inside;
- ❒ replace the seat belt when showing significant wear or cut signs.

CARRYING CHILDREN SAFELY

For optimal protection in the event of a crash, all passengers must be seated and wearing adequate restraint systems. This is even more important for children.

This prescription is compulsory in all EC countries according to EC Directive 2003/20/EC.

Compared with adults, a child's head is proportionately larger and heavier than the rest of the body, while muscles and bone structure are not completely developed. Therefore, in order to restraint them correctly in the event of a crash, different systems are needed than adult seat belts.

The results of research on the best child restraint systems are contained in the European Standard ECE-R44. This Standard enforces the use of restraint systems classified in five groups:

Group 0 - 0-10 kg in weight

Group 0+ - 0-13 kg in weight

Group 1 9-18 kg in weight

Group 2 15-25 kg in weight

Group 3 22-36 kg in weight

As it may be noted, the groups overlap partly and in fact, in commerce it is possible to find devices that cover more than one weight group.

All restraint devices must bear the certification data, together with the control brand, on a solidly fixed label which must absolutely never be removed.

Over 1.50 m in height, from the point of view of restraint systems, children are considered as adults and wear the seat belts normally.

Lineaccessori Alfa Romeo offers seats for each weight group, which are the recommended choice, as they have been designed and experimented specifically for Alfa Romeo cars.

WARNING

With passenger's air bag active, never place child's seats with the cradle facing backwards on the front seat since the air bag activation could cause to the child serious injuries, even mortal, regardless of the seriousness of the crash that triggered it.

WARNING

SERIOUS DANGER If it is absolutely necessary to carry a child on the front passenger seat with the cradle child's seat facing backwards, the front passenger's air bags (front air bag, knees air bag, where provided, and side bag on seat), must be deactivated using the key switch (where provided). In this case it is absolutely necessary to check the warning light on the front ceiling light panel (see paragraph "Passenger's front air bag") to make sure that deactivation has actually taken place. Moreover, the front passenger's seat shall be adjusted in the most backward position to prevent any contact between the child's seat and the dashboard.

fig. 5

GROUP 0 and 0+

Babies up to 13 kg must be carried facing backwards **fig. 5** on a cradle seat, which, supporting the head, does not induce stress on the neck in the event of sharp deceleration.

The cradle is restrained by the car seat belts and in turn it must restrain the child with its own belts.

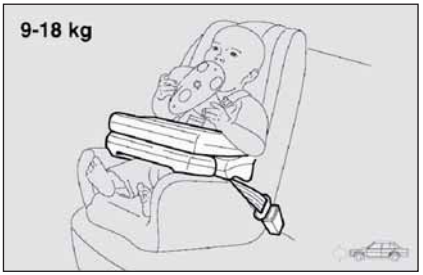


fig. 6

GROUP 1

Starting from 9 kg to 18 kg in weight, children may be carried facing forwards, with seat fitted with front cushion **fig. 6**, through which the car seat belt restrains both child and seat.

WARNING

The figure is only an example for mounting. Attain to the instructions for fastening which must be enclosed with the specific child restraining system you are using.

WARNING

Seats exist which are suitable for covering weight groups 0 and 1 with a rear connection to the car belts and their own belts to restrain the child. Due to their size, they can be dangerous if installed incorrectly fastened to the car belts with a cushion. Carefully follow the instructions for installation provided with the seat.

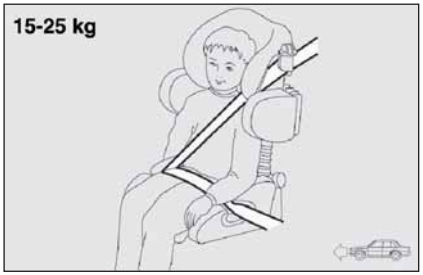


fig. 7

GROUP 2

Starting from 15 kg to 25 kg in weight, children may be restrained directly by the car belts. The only function of the seat is to position the child correctly in relation to the belts, so that the diagonal part adheres to the chest and not to the neck and that the horizontal part clings to the child's pelvis and not the abdomen **fig. 7**.

fig. 8

GROUP 3

For children from 22 kg to 36 kg the size of the child's chest no longer requires a support to space the child's back from the seat back. **Fig. 8** shows proper child seat positioning on the rear seat.

Children taller than 1.50 m can wear seat belts like adults.

WARNING

The illustrations are indicative only for assembly. Assemble the seat according to the compulsory instructions provided with it.

PASSENGER SEAT COMPLIANCE WITH REGULATIONS ON CHILD'S SEAT USE

Your car complies with the new European Directive 2000/3/EC regulating child's seat assembling on the different car seats according to the following tables:

Group	Range of weight	SEAT	
		Front passenger	
		Seat with 4 positions	Seat with 8 positions
Group 0, 0+	up to 13 kg	L	L
Group 1	9-18 kg	L	L
Group 2	15-25 kg	L	L
Group 3	22-36 kg	L	L

Key:

L = suitable for certain child's restraint systems available at Lineaccessori Alfa Romeo for the specified group.

Below is a summary of the rules of safety to be followed for carrying children:

- ❒ if the passenger's air bag is deactivated **always** check that the warning light on the front ceiling light panel is glowing steadily to indicate that the air bag has been deactivated;
- ❒ attain to the instructions for fastening the specific child restraint system which you are using. These instructions must be provided by the manufacturer. Keep the child restraint system installation instructions with the car documents and this Handbook. Never use a child restraint system without installation instructions;
- ❒ always check the seat belt is well fastened by pulling the webbing;
- ❒ only one child is to be strapped to each retaining system;
- ❒ always check the seat belts do not fit around the child's throat;
- ❒ while travelling, do not let the child sit incorrectly or release the belts;
- ❒ passengers should never carry children on their laps. No-one, however strong they are, can hold a child in the event of a crash;
- ❒ in case of an accident, replace the seat with a new one.

FRONT AIR BAGS

The car is fitted with front multistage air bags ("Smart bags") for the driver and the passenger and with knees air bag for the driver and for the passenger (where provided).

"SMART BAG" SYSTEM (FRONT MULTISTAGE AIR BAGS)

The front air bags (driver and passenger) and knees air bags (driver and passenger) have been designed to protect the occupants in the event of head-on crashes of medium-high severity, by placing cushions between the occupant and the steering wheel or dashboard.

In case of crash, an electronic control unit, when required, triggers the inflation of the cushions that inflate, as a protection, between the body of the front occupants and the structure that could cause injuries. Immediately after, the cushions deflate.

The front air bags (driver and passenger) and knees air bags (driver and passenger) are not a replacement of but complementary to the use of belts, which should always be worn, as specified by law in Europe and most non European countries.

In case of crash, a person not wearing the seat belt moves forward and may come into contact with the cushion while it is still inflating. Under this circumstance the protection offered by the air bag is reduced.

Front air bags may not be activated in the following situations:

- ❒ front collisions against highly deformable objects not affecting the car front surface (e.g. bumper collision against guard rail, etc.);
- ❒ in case of wedging under other vehicles or protective barriers (for example under a truck or guard rail);

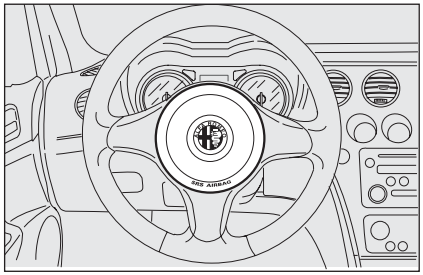


fig. 9 A0G0077m

- ❒ the air bag is not triggered as it offers no additional protection compared with the seat belts, consequently it would be pointless. Therefore, failure to come into action in the above circumstance does not mean that the system is not working properly.

WARNING

Do not apply stickers or other objects to the steering wheel or to the air bag cover on the passenger's side or on the side roof lining. Never put objects (e.g. mobile phones) on the dashboard on passenger side since they could interfere with proper passenger air bag inflation and also cause serious injury.

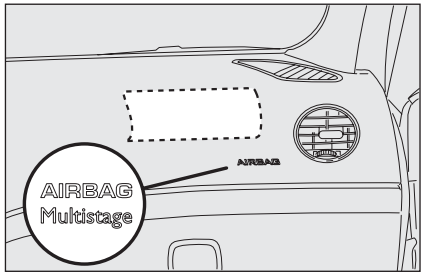


fig. 10 A0G0078m

DRIVER'S FRONT AIR BAG

It consists of an instant-inflating cushion contained in a special recess in the centre of the steering wheel **fig. 9**.

PASSENGER'S FRONT AIR BAG

It consists of an instant-inflating cushion contained into a special recess in the dashboard **fig. 10** this cushion has a volume bigger than that of the driver.

WARNING

With passenger's air bag active, never place child's seats with the cradle facing backwards since the air bag activation could cause to the child serious injuries, even mortal.

WARNING

On cars fitted with front passenger's air bag deactivation (front air bag, knees air bag (where provided) and side on seat), these air bags shall be deactivated when placing the child's seat on the front passenger's seat. Moreover, the front passenger's seat shall be adjusted in the most backward position to prevent any contact between the child's seat and the dashboard. Even if not compulsory by law, you are recommended to reactivate the air bag immediately as soon as the child transport is no longer necessary.

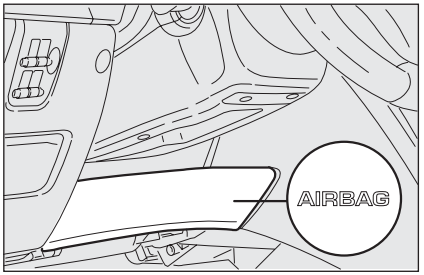


fig. 11 A0G0079m

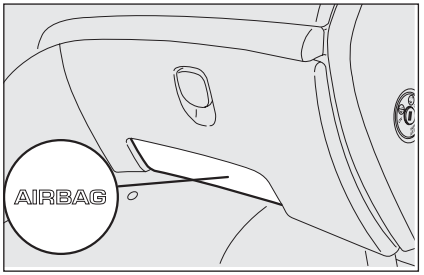


fig. 12 A0G0092m

DRIVER'S AND PASSENGER'S KNEES AIR BAG (where provided)

Knees air bag consists of an instant-inflating cushion housed into a special compartment provided for the purpose under the steering wheel for the driver **fig. 11** and into the lower part of the dashboard for the passenger **fig. 12** to give further protection in the event of frontal crash.

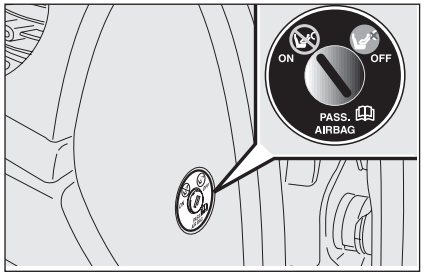


fig. 13 A0G0062m

MANUAL DEACTIVATION (where provided) OF PASSENGER'S FRONT AIR BAG, KNEES AIR BAG (where provided) AND PASSENGER'S FRONT SIDE BAG

Should it be absolutely necessary to carry a child on the front seat, the passenger's front air bag, knees air bag (where provided) and the side bag can be deactivated. Deactivation/activation shall be performed (with key removed from ignition device) using the key switch (where provided) set on the right side of dashboard **fig. 13**. You can reach the switch only if the door is opened. When the door is open, the metal insert of the key can be inserted and removed in both positions.

IMPORTANT Operate the switch only when the engine is not running and the ignition key is removed.

The key-operated switch has two positions:

- ❒ passenger's front air bag, knees air bag (where provided) and side bag activated (position **ON** ⊗): warning light on front ceiling light panel off; it is absolutely prohibited to carry a child on the front seat;
- ❒ passenger's front air bag, knees air bag (where provided) and side bag deactivated (position **OFF**): warning light on front ceiling light panel on; it is possible to carry a child protected by special restraint systems on the front seat.

The warning light on front ceiling light panel stays on permanently until the passenger's air bags are reactivated.

SIDE AIR BAGS (Side bag)

The car is provided with front side bags to increase protection of driver' and passenger's chest and pelvis zone.

Side bags protect car occupants from side crashes of medium-high severity, by placing the cushion between the occupant and the internal parts of the side structure of the car.

Non-activation of side bags in other types of collisions (front collisions, rear shunts, roll-overs, etc...) is not a system malfunction.

In case of side crash, an electronic control unit, when required triggers the inflation of the cushion. The cushion immediately inflates, placing itself as a protection, between the occupant's body and the structure that could cause injuries. Immediately after, the cushion deflates.

Side air bags are not a replacement of but complementary to the belts, which you are recommended to always wear, as specified by law in Europe and most non-European countries.

SIDE BAGS - CHEST AND PELVIS ZONE PROTECTION

They are composed by two types of instant inflation cushions and are housed in the back rest of the front seats **fig. 14**. The task of the side air bags is to increase protection of the occupants' chest and pelvis zone in the event of a side crash of medium-high severity.

IMPORTANT When the airbag inflates it emits a small amount of dusts. These dusts are harmless and is not the beginning of a fire; then the unfold cushion surface and the car interiors can be covered by a dusty remains: this dust can irritate skin and eyes. In case of contact, wash yourself using neutral soap and water.

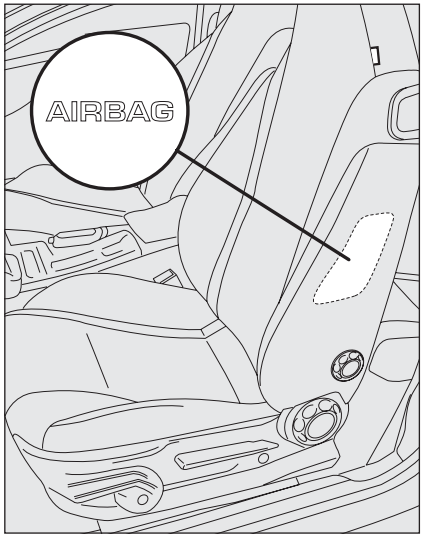


fig. 14 A0G0093m

Expiration dates of pyrotechnic charge and coil contact are indicated on the label located on the driver's door. As these dates approach, contact Alfa Romeo Authorized Services for replacement.

IMPORTANT Should an accident occur in which any of the safety devices is activated, take the car to Alfa Romeo Authorized Services to have the devices activated replaced and to have the system checked.

Every control, repair and replacement operations concerning the air bags must only be carried out c/o Alfa Romeo Authorized Services.

If you are having the car scrapped, have the air bag system deactivated at Alfa Romeo Authorized Services first. If the car changes ownership, the new owner must be informed of the method of use of air bags and the above warnings and also be given this "Owner's Manual".

WARNING

Never lean head, arms and elbows out of the window.

IMPORTANT The triggering of pretensioners, front air bags and side bags is decided in a differentiated manner according to the type of impact. The failure to deploy one or more of them does not mean that the system is not working properly.

GENERAL WARNINGS

WARNING

If when fitting the key into the ignition device, the warning light does not turn on or if it stays on when travelling (together with the message on the display) there could be a failure in safety systems; in this event air bags or pretensioners could not trigger in case of impact or, in a minor number of cases, they could trigger accidentally. Contact Alfa Romeo Authorized Services immediately to have the system checked.

WARNING

Do not cover the backrest of front seats with trims or covers that are not suitable to be used with side bags.

WARNING

Never travel with objects on your lap, in front of your chest or with a pipe, pencil, etc. between your lips; injury may result in the event of the air bag being triggered.

WARNING

Always keep your hands on the steering wheel rim when driving, so that if the air bag is triggered, it can inflate without meeting any obstacles which could cause serious harm to you. Do not drive with the body bent forwards, keep the seat back rest in the erect position and lean your back well against it.

WARNING

If the car has been stolen or an attempt to steal it has been made, if it has been subjected to vandals or floods, have the air bag system checked by Alfa Romeo Authorized Services.

WARNING

Never wash seat backrests with pressurised water or steam (by hand or at automatic seat washing stations).

WARNING

The front air bag is triggered for shocks greater in magnitude than the pretensioners. For impacts between these two thresholds, it is therefore normal that only the pretensioners are triggered.

WARNING

Remember that with the key fitted into the ignition device and engine off, the air bags may be triggered on a stationary car if it is bumped by another moving car. Therefore, never seat children on the front seat even when the car is stationary. On the other hand remember that if the key is not fitted into the ignition device, no safety system (air bags or pretensioners) is triggered in the event of an impact; in this case, failure to come into action cannot be considered as a sign that the system is not working properly.

WARNING

When the key is fitted into the ignition device, the warning light (with passenger's front air bags deactivation switch at ON) turns on and flashes for few seconds to remind that passenger's front air bag, knees air bag and side bag will be deployed in a crash, after which it should go off.

WARNING

The air bag does not substitute the seat belts, but only increases their effectiveness. Moreover, since the front air bags do not come into operation in the event of front impact at low speed, side collisions, bumps from behind or overturning, in these circumstances the occupants would only be protected by the seat belts which must therefore always be fastened.

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ENGINE STARTING

The car is fitted with an electronic engine immobilising system. If the engine fails to start, see paragraph "Alfa Romeo CODE system" in section "Dashboard and controls".

IMPORTANT Tampering with the ignition device can cause unrequired steering lock.

IMPORTANT Always fit the electronic key completely into the ignition device to the stop limit.

IMPORTANT Never take the electronic key out of the ignition device while the car is running unless you have to carry out an emergency removal (see paragraph "Removing the electronic key from the ignition device in an emergency"), this guarantees steering column lock deactivation when moving the car (e.g.: for towing).

We recommend that during the initial period you do not drive to full car performance (e.g.: excessive acceleration, long journeys at top speed, sharp braking, etc.).

When the engine is switched off never leave the electronic key into the ignition device to prevent pointless current absorption from draining the battery.

WARNING

Running the engine in confined areas is extremely dangerous. The engine consumes oxygen and produces carbon monoxide which is a highly toxic and lethal gas.

STARTING PROCEDURE FOR PETROL VERSIONS

Proceed as follows:

- ❒ Ensure that the handbrake is up;
- ❒ Fully press the clutch pedal, without pressing the accelerator;
- ❒ Put the gear lever neutral;
- ❒ Fit the electronic key into the ignition device to stop limit;
- ❒ Briefly press the **START**/**STOP** button.

The starter automatically operates until the engine starts.

With engine off and electronic key inserted in the ignition device, it is possible to operate the automatic ignition briefly pressing the **START/STOP** button and keeping the clutch pedal pressed.

IMPORTANT It is possible to start the engine keeping pressed only the brake pedal. In that case, automatic start is not enabled. Then press the **START/STOP** button and release it as soon as the engine starts.

STARTING PROCEDURE FOR DIESEL VERSIONS

Proceed as follows:

- ❒ Ensure that the handbrake is up;
- ❒ Fully press the clutch pedal, without pressing the accelerator;
- ❒ Put the gear lever neutral;
- ❒ fit the electronic key down into the ignition device until it stops. The instrument panel warning light will turn on;
- ❒ Wait for the warning light to turn off. The hotter the engine is, the quicker this will happen;
- ❒ Briefly press the **START/STOP** button as soon as the warning light turns on. Waiting for too long means making spark plugs heating useless.

The starter automatically operates until the engine starts.

With engine off and electronic key inserted in the ignition device, it is possible to operate the automatic ignition briefly pressing the **START/STOP** button and keeping the clutch pedal pressed.

In the event of cold weather, we recommend to wait for warning light turn off before operating the starter.

IMPORTANT It is possible to start the engine keeping pressed only the brake pedal. In that case, automatic start is not enabled. Then press the **START/STOP** button and release it as soon as the engine starts.

IMPORTANT

If at start-up the engine turns off, restart it by pressing the clutch or brake pedal and then press button **START/STOP**.

If after a few attempts the engine does not start, do not insist but contact Alfa Romeo Authorized Services.

With car started the electronic key is locked into the ignition device and it can be removed only after switching the engine off. With car running and key locked into the ignition device, forced key removal could damage the ignition device.

Start-up failures, if any, are indicated by the turning on of the warning light on the instrument panel (on certain versions a dedicated message is displayed). In this case contact Alfa Romeo Authorized Services.

If the engine will not start after pressing button **START/STOP** repeat the start-up procedure by pressing the other pedal (clutch or brake).

Start-up failures

The system can recognise start-up failures.

In the event of failure, the electronic key can be removed from the ignition device to enable the driver to carry out the following operations:

- ❒ turn the instrument panel off by pressing button **START/STOP** or removing the electronic key from the ignition device;
- ❒ start the engine again by pressing the clutch/brake pedal and button **START/STOP**.

IMPORTANT With engine raced while the car is running, due to safety reasons it is not possible to remove the electronic key from the ignition device. To remove it, press button **START/STOP** with brake pedal (or clutch pedal) released and car stopped.

HOW TO WARM UP THE ENGINE AFTER IT HAS JUST STARTED

Proceed as follows:

- ❒ Drive off slowly, letting the engine turn at medium revs. Do not accelerate abruptly;
- ❒ Do not drive at full performance for the initial kilometres. Wait until the coolant temperature gauge starts moving.

STOPPING THE ENGINE

With car stopped press button **START/STOP**. When the engine is off it will be possible to remove the electronic key from the ignition device.

WARNING

In an emergency or for safety reasons, it is possible to turn off the engine with the car moving by pressing repeatedly (three times in 2 seconds) or keeping pressed for a few seconds the START/STOP button. In this case the power steering will not be working.

IMPORTANT After a taxing drive, you should allow the engine to "catch its breath" before turning it off by letting it idle to allow the temperature in the engine compartment to fall.

IMPORTANT Turning the engine off will deactivate the electronic safety systems and turn off the external lights.

IMPORTANT Killing the engine while the car is running, due to safety reasons, it will not be possible to take the electronic key out of the ignition device. To remove it, turn the instrument panel on and off by pressing button **START/STOP** with brake pedal (or clutch pedal) released and car stopped.

A quick burst on the accelerator before turning off the engine serves absolutely no practical purpose, it wastes fuel and is damaging especially to turbocharged engines.

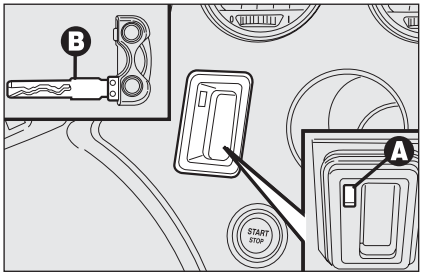

fig. 1

REMOVING THE ELECTRONIC KEY FROM THE IGNITION DEVICE IN AN EMERGENCY

In the event of a failure at engine switching off system or at electronic key unlocking system proceed as follows:

- ❒ press the unlocking button to remove the metal insert (see paragraph "Electronic key" in section "Dashboard and controls");
- ❒ fit the metal insert **B-fig. 1** of the electronic key into the slot **A**;
- ❒ remove the electronic key from the ignition device.

IMPORTANT Only fit the metal insert **B** of the electronic key into slot **A-fig.1**.

IMPORTANT If emergency removal is carried out with the engine running, the engine and the instrument panel will be turned off and the steering lock will not be engaged; always stop the car before emergency removal.

PARKING

Proceed as follows:

- ❒ Stop the engine and engage the handbrake;
- ❒ Engage a gear (on a slope, engage first gear if the car is faced uphill or reverse if it is faced downhill) and leave the wheels steered.

Block the wheels with a wedge or a stone if the car is parked on a steep slope. Do not leave the electronic key in the ignition switch to prevent draining the battery.

WARNING

Never leave children unattended in the car. Always remove the electronic key when leaving the car and take it out with you.

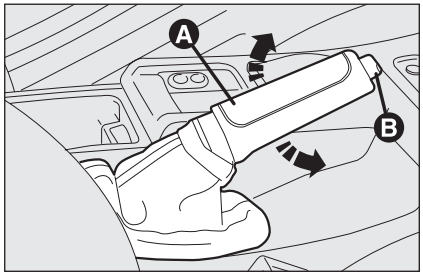

fig. 2 A0G0087m

HANDBRAKE

The handbrake lever **A-fig. 2** is located between the two front seats. Pull the handbrake lever **A** upwards, until the car cannot be moved.

With electronic key fitted into the ignition device, the instrument panel warning light (!) will come on.

IMPORTANT The car shall stop after a few clicks of the handbrake lever. If this is not the case, contact Alfa Romeo Authorized Services to have the handbrake adjusted.

To release the handbrake proceed as follows:

- ❒ Slightly lift the handbrake **A** and press release button **B**;
- ❒ Keep button **B** pressed and lower the lever. Warning light (!) on the instrument panel will turn off.

Press the brake pedal when carrying out this operation to prevent the car from moving accidentally.

USING THE GEARBOX

The car is fitted with 6-gear manual gearbox. Gear positions are shown on the gearshift lever knob.

Always press down the clutch pedal when shifting gears. To engage the 6th gear, move the gearshift lever pressing slightly rightwards to prevent engaging the 4thgear accidentally.

To engage reverse **R** from neutral, raise ring **A-fig. 3** under the knob and at the same time move the gearshift lever leftwards and then forward. After engaging reverse release the ring. To shift from reverse to another gear it is not necessary to raise the ring.

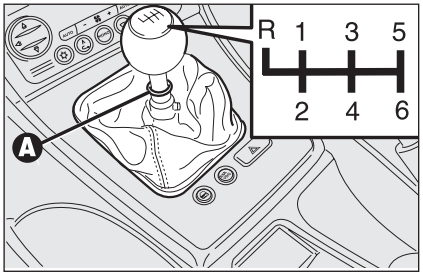

fig. 3

IMPORTANT The car can only be put into reverse gear when it has stopped moving completely. With the engine running, before engaging the reverse, wait at least 3 seconds with the clutch pedal fully down to prevent damage and grating of the gears.

WARNING

To change gears properly you must push the clutch pedal fully down. It is therefore essential that there is nothing under the pedals: make sure mats are lying flat and do not get in the way of the pedals.

Do not drive with your hand resting on the gear lever as the force exerted, even if slight, could lead to premature wear on the gearbox internal components over time. The clutch pedal must be used for gear shift only. Never drive with the foot resting, even if slightly, on the clutch pedal. For versions/markets where applicable the clutch pedal control electronics can intervene interpreting the wrong drive style as a fault.

CONTAINING RUNNING COSTS

Here are some suggestions which may help you to keep the running costs of your car down and lower the amount of toxic emissions released into the atmosphere.

GENERAL CONSIDERATIONS

Car maintenance

Have checks and adjustments carried out in accordance with the "Service schedule".

Tyres

Check the pressure of the tyres routinely at an interval of no more than 4 weeks: if the pressure is too low, consumption levels increase as resistance to rolling is higher.

Unnecessary loads

Do not travel with too much luggage stowed in the boot. The weight of the car (especially when driving in town) and its trim greatly affects consumption and stability.

Roof rack/ski rack

Remove the roof rack or the ski rack from the roof as soon as they are no longer used. These accessories lower air penetration and adversely affect consumption levels. When needing to carry particularly voluminous objects, preferably use a trailer.

Electric devices

Use electric devices only for the amount of time needed. Rear heated window, additional headlights, windscreen wipers and heater fan need a considerable amount of energy therefore, increasing the requirement of current increases fuel consumption (up to +25% in the urban cycle).

Climate control

The air conditioner is an additional load which greatly affects the engine leading to higher consumption. When the temperature outside the car permits it, use the air vents where possible.

Spoilers

The use of aerodynamic optional extras which are not certified for the specific use on the car, may reduce the aerodynamic penetration of the car and increase consumption.

DRIVING STYLE

Starting

Do not warm the engine with the car at a standstill or at idle or high speed: under these conditions the engine warms up much more slowly, increasing electrical consumption and emissions. It is therefore advisable to move off immediately, slowly, avoiding high speeds. This way the engine will warm faster.

Unnecessary actions

Avoid accelerating when waiting at traffic lights or before switching off the engine. This and also double declutching is absolutely pointless on modern cars and also increase consumption and pollution.

Gear selection

As soon as the conditions of the traffic and road allow, use a higher gear. Using a low gear to obtain brilliant performance increases consumption. In the same way improper use of a high gear increases consumption, emissions an engine wear.

Top speed

Fuel consumption considerably increases with speed. Avoid superfluous braking and accelerating, which cost in terms of both fuel and emissions.

Acceleration

Accelerating violently increasing the revs will greatly affect consumption and emissions: acceleration should be gradual and should not exceed the maximum torque.

CONDITIONS OF USE

Cold starting

Short journeys and frequent cold starts do not allow the engine to reach optimum operating temperature. This results in a significant increase in consumption levels (from +15 to +30% on the urban cycle) and emission of harmful substances.

Traffic and road conditions

Rather high consumption levels are tied to situations with heavy traffic, for example in queues with frequent use of the lower gears or in cities with many traffic lights. Also winding mountain roads and rough road surfaces adversely affect consumption.

Traffic hold-ups

During prolonged hold-ups (e.g.: level crossings) the engine should be switched off.

TOWING TRAILERS

IMPORTANT NOTES

For towing caravans or trailers the car must be fitted with a certified tow hook and an adequate electric system. Installation should be carried out by specialised personnel who release a special document for circulation on the road.

Install any specific and/or additional rear-view mirrors as specified by law.

Remember that when towing a trailer, steep hills are harder to climb, the braking spaces increase and overtaking takes longer depending on the overall weight.

Engage a low gear when driving downhill, rather than constantly using the brake.

The weight the trailer exerts on the car tow hook reduces by the same amount the actual car loading capacity. To make sure the maximum towable weight is not exceeded (given in the log book) account should be taken of the fully laden trailer, including accessories and personal belongings.

Do not exceed the speed limits of the country you are driving in. In any case do not exceed 100 km/h.

WARNING

The ABS system with which the car may be fitted does not control the trailer braking system. Drive with extreme care on slippery roadbeds.

WARNING

Under no circumstances should the car brake system be altered to control the trailer brake. The trailer braking system must be fully independent of the car hydraulic system.

SNOW TYRES

Use snow tyres of the same size as the normal tyres provided with the car.

Alfa Romeo Authorized Services will be glad to provide advice concerning the most suitable type of tyre for the customer's requirements.

For the type of tyre to be used, inflation pressures and the specifications of snow tyres, follow the instructions given in paragraph "Wheels" in section "Technical specifications".

The winter features of these tyres are reduced considerably when the tread depth is below 4 mm. In this case, they should be replaced.

Due to the snow tyre features, under normal conditions of use or on long motorway journeys, the performance of these tyres is lower than that of normal tyres. It is therefore necessary to limit their use to the purposes for which they are certified.

IMPORTANT When snow tyres are used with a max speed index below the one that can be reached by the car (increased by 5%), place a notice in the passenger compartment, plainly in the driver's view which states the max permissible speed of the snow tyres (as per EC Directive).

All four tyres should be the same (brand and track) to ensure greater safety when driving and braking and better driveability.

Remember that it is inappropriate to change the direction of rotation of tyres.

WARNING

The max speed for snow tyres with "Q" marking is 160 km/h; 190 km/h for tyres with "T" marking and 210 km/h for tyres with H marking. The Road Traffic Code speed limits must however be always strictly observed.

SNOW CHAINS

Use of snow chains should be in compliance with local regulations.

Snow chains should only be applied to the driving wheels (front wheels).

Check the tension of the chains after the first few metres have been driven.

Use snow chains with reduced size: for tyres 215/55 R16" use snow chains with reduced size with max protrusion beyond the tyre profile of 12 mm.

Use of snow chains may be compulsory also for cars with 4-wheel drive.

On 3.2 JTS versions, snow chains shall be fitted on the FRONT axle.

IMPORTANT Snow chains cannot be fitted to the space-saver spare wheel (where provided). So, if a front (drive) wheel is punctured and chains are needed, a rear wheel should be fitted to the front of the car and the spare wheel should be fitted to the rear (adjust tyre pressure to the specified value as soon as possible). This way with two normal drive wheels, snow chains can be fitted to them to solve an emergency.

Tyres 235/45 R18" cannot be fitted with snow chains due to interference with fender.

On tyres 225/50 R17" only "spider" type chains can be used.

WARNING

Keep your speed down when snow chains are fitted. Do not exceed 40 km/h. Avoid potholes, steps and pavements and avoid also to drive for long distances on roads not covered with snow to prevent damaging the car and the roadbed.

Disengage the ASR system when snow chains are fitted. Press button ASR/VDC (see paragraph "ASR system" in section "Dashboard and controls").

CAR INACTIVITY

If the car is to be left inactive for longer than a month, the following precautions should be noted:

- ❒ park the car in covered, dry and if possible well-ventilated premises;
- ❒ engage a gear;
- ❒ check that the handbrake is not engaged;
- ❒ disconnect battery negative terminal and check the battery charge. This check is to be repeated every three months when the car is left inactive. Recharge if the optical indicator (where required) shows a dark colour without the central green area (see paragraph "Battery" in section "Car maintenance");
- ❒ clean and protect the painted parts using protective wax;
- ❒ clean and protect the shiny metal parts using special compounds readily available;
- ❒ sprinkle talcum powder on the rubber windscreen and rear window wiper blades and lift them off the glass;
- ❒ slightly open the windows;
- ❒ cover the car with a cloth or perforated plastic sheet. Do not use sheets of non-perforated plastic as they do not allow moisture on the car body to evaporate;
- ❒ inflate tyres to +0.5 bar above the normal specified pressure and check it at intervals;
- ❒ if you don't disconnect the battery from the electric system, check its charge every month and recharge it if the optical indicator shows a dark colour without the central green area;
- ❒ do not drain the engine cooling system.

IMPORTANT If the car is fitted with alarm system, switch off the alarm with the remote control.

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WARNING LIGHTS AND MESSAGES

GENERAL WARNINGS

Failure indications shown on the display are divided into two categories: very serious and less serious failures.

Every failure indication is accompanied by the turning on of the relevant warning light (where provided) and by dedicated warning messages, if any.

In certain cases, failure indications can be accompanied by the sound of a buzzer (adjustable).

These indications are concise and cautionary and are aimed to suggest the prompt action the driver must adopt when a car malfunctioning appears. These indications, however, shall not be considered as exhaustive and/or as an alternative to the specifications contained in this "Owner's Manual", which shall always be read through carefully and thoroughly.

In case of failure indication always refer to the specifications contained in this section.

Very serious failures

These failures are repeated on the display indefinitely and stop any previous indication on the display. These failures are repeated each time the key is fitted into the ignition device until the cause of malfunctioning is removed. To stop this "cycle" press button **MENU**: in this case the failure symbol stays on the display at the bottom of the screen until the cause of malfunctioning is removed.

Serious failures

These failures are repeated on the display for about 20 seconds and then they go off. These failures are repeated each time the key is fitted into the ignition device. At the end of the displaying cycle (approx. 20 seconds), or when pressing button **MENU**, the failure symbol will stay on the display at the bottom of the screen until the cause of malfunctioning is removed.

LOW BRAKE FLUID (red)

HANDBRAKE ON (red)

Fitting the key into the ignition device the warning light turns on, but it should go off after few seconds.

Low brake fluid level

The warning light turns on (with a dedicated message on the display) when the level of the brake fluid in the reservoir falls below the minimum level, due to possible leak in the circuit.

Handbrake on

The warning light turns on when the handbrake is on.

WARNING

If the warning light turns on when travelling, check that the handbrake is not engaged. If the warning light stays on with handbrake disengaged, stop the car immediately and contact Alfa Romeo Authorized Services.

BRAKE PAD WEAR (amber)

The display will show message + symbol when front brake pads are worn; in this case have them changed as soon as possible.

IMPORTANT Since the car is fitted with wear sensors for the front brake pads, when changing them, check also the rear brake pads.

SEAT BELTS NOT FASTENED (red)

With car stationary, the warning light turns on glowing steadily in the following cases:

- ❒ driver's seat belt not fastened;
- ❒ passenger's seat belt not fastened, heavy objects placed on the passenger's seat;
- ❒ when unfastening driver's or passenger's seat belt.

For the same reasons, with the car moving, the warning light will turn on flashing and the warning buzzer will sound for a while.

The warning light will then stay on glowing steadily.

The buzzer can be muted temporarily by the following procedure:

- ❒ fasten front seat belts;
- ❒ fit the electronic key into the ignition device;
- ❒ wait for over 20 seconds but less than 1 minute, then unfasten one of the front seat belts.

This procedure will be valid until turning the engine off.

For permanent buzzer deactivation contact Alfa Romeo Authorized Services. The "seat belt reminder" system can be reactivated only through the "Setup Menu" of the display (see paragraph "Reconfigurable multifunction display" in section "Dashboard and controls").

AIR BAG FAILURE (red)

Fitting the key into the ignition device the warning light turns on, but it should go off after few seconds.

The warning light stays on glowing steadily with the message on the display to indicate a failure in the air bag system.

WARNING

If the warning light does not turn on when fitting the key into the ignition device, or if stays on when travelling (together with the message on the display), this could indicate a failure in safety systems; under this condition air bags or pretensioners could not trigger in the event of collision or, in a restricted number of cases, they could trigger accidentally. Before restarting contact Alfa Romeo Authorized Services to have the system checked.

WARNING

Warning light failure is indicated by the flashing for more than the normal 4 seconds of the passenger's front air bag deactivated warning light . In addition, the air bag system will deactivate automatically the passenger's front air bag (front and side where provided). In this event warning light could not indicate failure in safety systems. Before restarting contact Alfa Romeo Authorized Services immediately to have the system checked.

PASSENGER'S FRONT AIR BAGS DEACTIVATED (amber)

The warning light (set on the front ceiling light panel) turns on when passenger's front air bags, passenger's knees air bag (where provided) and passenger's front side bag are deactivated through the relevant key switch (for versions/markets where applicable).

With passenger's front air bags on, fitting the key into the ignition device the warning light shall turn on glowing steadily for about 4 seconds, shall flash for other 4 seconds and then it shall turn off.

WARNING

Warning light failure is indicated by warning light. In addition, the air bag system will deactivate automatically the passenger's front air bag (front and side). Before restarting ccontact Alfa Romeo Authorized Services immediately to have the system checked.

ENGINE COOLANT HIGH TEMPERATURE (red)

Fitting the key into the ignition device, the warning light (set on engine coolant gauge) turns on but it shall go off after a few seconds. The warning light turns on (with a dedicated message on the display) to indicate engine overheating. If the warning light comes on, proceed as follows:

– **Normal driving conditions**: stop the car, switch off the engine and check whether the water level in the reservoir is not below the **MIN** mark. Otherwise wait for few seconds to allow engine cooling, then open slowly and carefully the cap, top up coolant and check whether its level is falling between **MIN** and **MAX** marks in the reservoir. Check visually any leak. If when restarting the warning light comes on again, contact Alfa Romeo Authorized Services.

– **Car heavy duty** (e.g.: towing trailer uphill or fully laden car): decrease speed, if the warning light stays on, stop the car. Wait for 2 or 3 minutes leaving the engine on and slightly accelerated to further activate the circulation of the coolant fluid, then switch the engine off.

IMPORTANT Under severe use of the car, keep the engine on and slightly accelerated for few minutes before switching it off.

WARNING

With engine hot, do not remove the cap: risk of burnt.

ENGINE OIL HIGH TEMPERATURE

Fitting the key into the ignition device, the warning light (set on engine oil temperature gauge) turns on but it should go off a few seconds later.

Warning light turning on when travelling (together with the message on the display) indicates that engine oil is too hot; switch the engine off and contact Alfa Romeo Authorized Services.

If warning light starts flashing when travelling, contact Alfa Romeo Authorized Services.

LOW ENGINE OIL PRESSURE EXHAUST OIL (diesel versions)

Low engine oil pressure

If message + symbol are displayed when travelling stop the engine immediately and contact Alfa Romeo Authorized Services.

Exhaust oil (diesel versions)

Message + symbol are displayed when the system detects that the engine oil is exhaust.

After the first indication, at each engine starting the message + symbol will be displayed for about 1 minute and then every 2 hours until oil is changed.

If symbol + message are displayed, contact as soon as possible Alfa Romeo Authorized Services to have engine oil changed and displayed symbol turned off.

INCOMPLETE DOOR LOCKING (red)

Symbol + message on the display indicate that one of the doors is not closed.

BONNET OPEN (where provided)

Symbol (red) + message on the display indicate that the bonnet is open.

BOOT OPEN

Symbol (red) + message on the display indicate that the boot is open.

LOW BATTERY CHARGE (red)

If symbol + message are displayed, contact immediately Alfa Romeo Authorized Services.

INJECTION SYSTEM FAILURE (diesel versions - amber)

EOBD SYSTEM FAILURE (petrol versions - amber) (optional for versions/markets where applicable)

Injection system failure

Fitting the key into the ignition device the warning light turns on, but it should go off when the engine has started.

The warning light stays on or it turns on when travelling to indicate a malfunction in the injection/exhaust system with possible lack of performance, poor driveability and high consumption.

In these conditions it is possible to continue driving without however requiring heavy effort or high speed from the engine. In any case, contact Alfa Romeo Authorized Services as soon as possible.

EOBD system failure

Under normal conditions, fitting the electronic key into the ignition device, the warning light turns on, but it should go off when the engine has started. This indicates proper operation of the warning light.

If the warning light stays on or turns on when travelling:

– **glowing steadily** (together with the message on the display): means a fault in the supply/ignition system which could cause high emissions at the exhaust, possible lack of performance, poor handling and high consumption levels. In these conditions it is possible to continue driving without however requiring heavy effort or high speed from the engine. Prolonged use of the car with the warning light on may cause damages. Contact Alfa Romeo Authorized Services as soon as possible.

The warning light goes off if the fault disappears, but it is however stored by the system.

– **flashing**: indicates the possibility of damage to the catalyst (see "EOBD system" in section "Dashboard and controls"). If the light flashes, it is necessary to release the accelerator pedal to lower the speed of the engine until the warning light stops flashing; continue the journey at moderate speed, trying to avoid driving conditions that may cause further flashing and contact Alfa Romeo Authorized Services as soon as possible.

If when fitting the key into the ignition device, the warning light does not turn on or if turns on with fixed light or flashing when the car is travelling, contact Alfa Romeo Authorized Services as soon as possible. Warning light operation can by checked by traffic agents by proper equipment therefore, comply with laws and regulations in force in the country where you are driving.

CAR PROTECTION SYSTEM FAILURE (amber)

STEERING LOCK INHIBITION (amber)

Car protection system failure

The message on the display indicates car protection system failure: in this event contact Alfa Romeo Authorized Services as soon as possible.

Steering lock inhibition

The display will show a dedicated message when the engine is killed by removing the electronic key from the ignition device while the car is moving.

ALARM FAILURE (where provided) (amber)

BREAK-IN ATTEMPT (amber)

ELECTRONIC KEY NOT RECOGNIZED (amber)

Alarm failure

The message + symbol on the display indicate a failure in the alarm system. Contact Alfa Romeo Authorized Services as soon as possible.

Break-in attempt

The message + symbol on the display indicate an attempt of break-in. Contact Alfa Romeo Authorized Services as soon as possible.

Electronic key not recognized

The message + symbol on the display indicate that the electronic key being used for start-up is not enabled.

POSSIBLE PRESENCE OF ICE ON THE ROAD

When the external temperature is lower than or equal to 3°C, the display will show a message + symbol and a buzzer will sound, to warn the driver that there could be ice on the road.

On certain versions, once the above warning indication cycle is over or when pressing briefly the button **MENU**:

— the displayed message goes off and previously active screen is displayed again;

— temperature indication stops flashing;

— symbol ✡ stays displayed at the bottom right of the screen (until outside temperature is lower than or equal to 6°C).

This cycle is performed only once when the outside temperature read is lower than or equal to 3°C and it can be repeated only when outside temperature exceeds 6 °C and then falls down to 3 °C or below.

IMPORTANT In the event of outside temperature sensor failure, the display will show dashes instead of the value.

PRE-HEATING GLOW PLUGS (diesel versions - amber)

PRE-HEATING GLOW PLUGS FAILURE (diesel versions - amber)

Pre-heating glow plugs

Fitting the key into the ignition device the warning light turns on and it will turn off when glow plugs reach the preset temperature. Start the engine immediately after warning light switching off.

IMPORTANT With mild or hot ambient temperature, warning light stays on for very short time.

Pre-heating glow plugs failure

The warning light (on certain versions together with the message on the display) will flash to indicate a failure in the pre-heating glow plugs system. Contact Alfa Romeo Authorized Services as soon as possible to have the failure eliminated.

WATER IN DIESEL FUEL FILTER (diesel versions - amber)

The warning light turns on glowing steadily (together with the message on the display), when travelling to indicate that there is water in the diesel fuel filter.

The presence of water in the fuel circuit may cause serious damage to the entire injection system and cause irregular engine operation. If the warning light on the dial turns on (on certain versions together with the message on the display) contact Alfa Romeo Authorized Services as soon as possible to have the system relieved. If the above indications come on immediately after refuelling, water has probably been poured into the tank: turn the engine off immediately and contact Alfa Romeo Authorized Services.

INERTIAL FUEL CUT-OFF SWITCHED ON

The intervention of the inertial fuel cut-off switch is indicated by a message + symbol on the display.

WARNING

If, after a crash, you smell fuel or see leaks from the fuel system, do not reset the switch to avoid fire risk.

ABS SYSTEM FAILURE (amber)

Fitting the key into the ignition device the warning light turns on, but it should go off after few seconds.

The warning light turns on (with a dedicated message on the display) when the system is inefficient. In this case the braking system keeps its effectiveness unchanged, but without the potential offered by the ABS system. Drive carefully and contact Alfa Romeo Authorized Services as soon as possible.

EBD SYSTEM FAILURE (red) (amber)

With the engine running the turning on at the same time of warning lights (ABS) and (!) (together with the message on the display) indicates that the EBD system is inefficient; in this case heavy braking may cause the rear wheels to lock before time, with the possibility of skidding.

Drive with the utmost care to the nearest Alfa Romeo Authorized Service to have the system checked.

VDC SYSTEM (where provided) (amber)

Fitting the key into the ignition device the warning light turns on, but it should go off after few seconds.

The warning light flashes when the VDC cuts in, to alert the driver that the system is adapting to the road surface grip conditions.

VDC deactivation

When the VDC is deactivated manually (pressing the ASR/VDC button for 2 seconds) (see paragraph "VDC system" in section "Dashboard and controls") the display will show the dedicated message.

VDC system failure

In the event of a failure the VDC system is deactivated automatically and warning light turns on glowing steadily (together with a message on the display). In this case contact Alfa Romeo Authorized Services as soon as possible.

HILL HOLDER FAILURE (amber)

In the event of a failure to the Hill Holder system, the display will show a message + symbol. In this case contact Alfa Romeo Authorized Services.

ASR SYSTEM (amber)

Fitting the key into the ignition device the warning light turns on, but it should go off after few seconds. The warning light flashes when the system cuts in, to alert the driver that the system is adapting to the road surface grip conditions.

ASR deactivation

When the ASR is deactivated manually (pressing the ASR/VDC button) (see paragraph "ASR system" in section "Dashboard and controls") the led on the ASR/VDC button will turn on and the display will show symbol .

ASR system failure

In the event of a failure the ASR system is deactivated automatically and the display will show symbol . In this case contact Alfa Romeo Authorized Services as soon as possible.

EXTERNAL LIGHTS FAILURE (amber)

The display will show message + symbol when one of the following lights is failing:

– sidelights
– direction indicators
– rear fog guards
– number plate lights.

The failure referring to these lights could be: one or more blown bulbs, a blown protection fuse or an electric connection cut-off.

BRAKE LIGHTS FAILURE (amber)

The display will show message + symbol when a failure at brake lights (stop) is detected.

The failure could be due to: blown bulb, blown protection fuse or electric connection cut-off.

REAR FOG LIGHTS (amber)

The warning light turns on when the rear fog lights are turned on.

FRONT FOG LIGHTS (green)

The warning light turns on when the front fog lights are turned on.

SIDE/TAILLIGHTS (green)

FOLLOW ME HOME (green)

Side/taillights

The warning light turns on when side/taillights are turned on.

Follow me home

The warning light comes on (together with the message on the display) when the Follow me home device is activated (see paragraph “Follow me home” in section “Dashboard and controls”).

DIPPED BEAM HEADLIGHTS (green)

The warning light turns on when the dipped beams are turned on.

MAIN BEAM HEADLIGHTS (blue)

The warning light turns on when the main beams are turned on.

LEFT-HAND DIRECTION INDICATOR (green)

The warning light turns on when the direction indicator stalk is moved downwards or, together with the right indicator, when the hazard light button is pressed.

RIGHT-HAND DIRECTION INDICATOR (green)

The warning light turns on when the direction indicator stalk is moved upwards or, together with the left indicator, when the hazard light button is pressed.

LIGHT SENSOR FAILURE (where provided) (amber)

The display will show message + symbol to indicate a failure at the light sensor.

RAIN SENSOR FAILURE (where provided) (amber)

The display will show message + symbol to indicate a failure at the rain sensor.

PARKING SENSORS FAILURE (where provided) (amber)

The display will show message + symbol to indicate a failure at parking sensors.

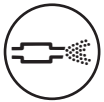
FUEL RESERVE – LIMITED CRUISING RANGE (amber)

The fuel gauge warning light turns on to indicate that approx. 10 litres of fuel are left in the tank. When range falls below 50 km (or 31 mi) the display will show a dedicated warning message.

If warning light starts flashing when travelling, contact Alfa Romeo Authorized Services.

CRUISE CONTROL (where provided) (green)

The warning light turns on (together with the message on the display) when turning the knurled ring of the Cruise Control to .



DIESEL PARTICULATE FILTER CLOGGED (diesel versions) (amber)

The display will show message + symbol when the diesel particulate filter is clogged and the driving conditions do not enable to activate automatically the reclaiming procedure.

To enable the cleaning procedure, keep the car running until symbol + message disappear from the display.

ANTIPINCH SYSTEM FAILURE (amber)

The display will show message + symbol when failure is detected in the antipinch system.

Before contacting Alfa Romeo Authorized Services perform window initialization procedure (see section "Power Windows" in chapter "Dashboard and controls"). If the issue persists, refer to Alfa Romeo Authorized Services.

TOP FAILURE

TEMPORARY TOP FAILURE

Top failure

Message + symbol (red) will appear on the display when pressing the top operating button or fitting the electronic key into the ignition device, to indicate a permanent top failure.

In this event, contact Alfa Romeo Authorized Serv

Temporary top failure

Message + symbol (red) will appear on the display when pressing the top operating button, to indicate a temporary top failure.

In this event, contact Alfa Romeo Authorized Services to have the failure eliminated.

ices to have the failure eliminated.

WINDSCREEN WASHER FLUID LOW LEVEL (amber)

The display will show message + symbol when the windscreen washer fluid level falls down the preset min. level.

SPEED LIMIT EXCEEDED

The display will show the dedicated message + symbol (red) and the buzzer will sound when the car exceeds the speed limit set through the "Setup Menu" (e.g.: 120 km/h) (see paragraph "Reconfigurable Multifunction Display" in section "Dashboard and controls").

T.P.M.S. SYSTEM FAILURE (where provided)

On certain versions the display will show a warning message + symbol (amber) when a failure is detected in the T.P.M.S. system (Tyre Pressure Monitoring System). Contact Alfa Romeo Authorized Services as soon as possible.

Should one or more wheels without sensor be fitted, the display will show a warning message until initial conditions are restored.

CHECK TYRE PRESSURE (where provided)

On certain versions the display will show a warning message + symbol (amber) to indicate the flat tyre.

Should two or more tyre be flat, the display will show the indications corresponding to each tyre in sequence.

Restore proper inflation pressure values as soon as possible (see paragraph "Cold inflation pressures" in section "Technical Specifications").

LOW TYRE PRESSURE (where provided)

On certain versions the display will show a warning message + symbol (red) (and buzzer will sound) when the pressure of one or more tyres falls below the preset threshold. In this way the T.P.M.S. system warns the driver that tyre/s is/are dangerously flat; possible puncture.

IMPORTANT Stop immediately with one or more tyres flat, avoid braking sharply and abrupt turns. Replace immediately the punctured tyre with the space-saver spare wheel (where provided) or repair the puncture tyre using the proper kit (see paragraph "If a tyre is punctured" in section "In an emergency") and then contact Alfa Romeo Authorized Services as soon as possible.

TYRE PRESSURE UNSUITABLE FOR SPEED (where provided)

Should it be required to journey at a speed higher than 160 km/h, inflate tyres at full load pressures (see paragraph "Cold inflation pressures" in section "Technical Specifications").

On certain versions, if the T.P.M.S. system detects that the pressure of one or more tyres is unsuitable for the current speed the display will show a message + symbol (amber) that will stay on until the car speed slow downs below the preset threshold.

IMPORTANT In this case slow down immediately since tyre overheating could impair tyre performance and life beyond repair, and even make the tyre to blow-out.

IMPORTANT Should you have to journey anyway a speed higher than 160 km/h, stop the car when the display shows the warning symbol to inflate tyres to the proper pressure values (see paragraph "Cold inflation pressures" in section "Technical Specifications ").

IN AN EMERGENCY

In an emergency we recommend that you call the freephone number found in the Warranty Booklet. You can also consult www.alfaromeo.com to find your nearest Alfa Romeo Authorised Services.

JUMP STARTING 166
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JUMP STARTING

If the battery is flat, it is possible to start the engine using an auxiliary battery with the same capacity or a little higher than the flat one.

Proceed as follows **fig. 1**:

- ❒ Connect positive terminals (**+** near the terminal) of the two batteries with a jump lead;
- ❒ With a second lead, connect the negative terminal (**—**) of the auxiliary battery and to an earthing point ⏚ on the engine of the car to be started;
- ❒ Start the engine;
- ❒ When the engine has been started, remove the leads reversing the order above.

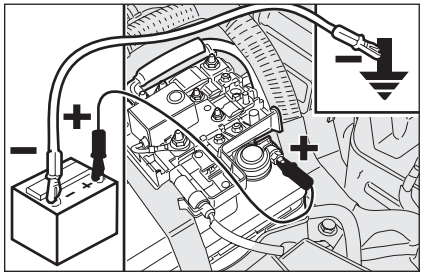


fig. 1

If after a few attempts the engine does not start, do not insist but contact Alfa Romeo Authorized Service.

IMPORTANT Do not directly connect the negative terminals of the two batteries: sparks could ignite the flammable gas from the battery. If the other battery is fitted in another car, prevent accidental contacts between the metal parts of the two cars.

Under no circumstances should a battery charger be used to start the engine: it could damage the electronic systems and in particular the ignition and injection control units.

WARNING

Do not carry out this procedure if you lack experience; if it is not done correctly it can cause very intense electrical discharges. In addition, the fluid contained in the battery is poisonous and corrosive. Avoid contact with skin and eyes. You are also advised not to put naked flames or lighted cigarettes near the battery and not to cause sparks.

BUMP STARTING

Never bump start the engine (by pushing, towing, or coasting downhill) as this could cause fuel to flow into the catalytic exhaust system and damage it beyond repair.

WARNING

Remember that the brake booster and the power steering system are not operating until the engine is started, a greater effort will therefore be required to press the brake pedal or turn the steering wheel.

IF A TYRE IS PUNCTURED

The car is equipped with the "Quick tyre repair kit Fix&Go automatic". Operations required to change a wheel are described in the following section.

As an alternative to the "Kit Fix&Go automatic", the car can be provided (upon request) with space-saver spare wheel: wheel changing and correct use of the jack call for some precautions as listed below.

WARNING

Alert other drivers that the car is stationary in compliance with local regulations: hazard warning lights, warning triangle etc. Any passengers on board should leave the car, especially if it is heavily laden. Passengers should stay away from oncoming traffic while the wheel is being changed on. If the wheel is being changed on a steep or badly surfaced road, place the wedges or other suitable material under the wheel to stop the car. Never start the engine when the car is jacked up. If you were towing a trailer, uncouple the trailer before jacking the car.

WARNING

The space-saver spare wheel (for versions/ markets where applicable) is specific to your car; do not use it on other models, or use the spare wheel of other models on your car. The space-saver spare wheel shall only be used in an emergency. It shall only be used for the distance necessary to reach a service point and the car speed shall not exceed 80 Km/h. The spare wheel has a sticker that summarises the main cautions for use and limitations. The sticker should never be removed or covered!

WARNING

When driving with a space-saver spare wheel fitted, the driving performance of the car changes. Avoid accelerating or braking sharply, abrupt turns or fast cornerings. The life of the spare wheel is approx. 3000 Km, after this distance it should be replaced with another of the same type. Never attempt to fit a conventional tyre on a rim designed for use as a space-saver spare wheel. Have the punctured wheel repaired and refitted as soon as possible. Two or more space-saver spare wheels should never be used together. Do not grease the threads of bolts before installing them: they might slip out.

WARNING

The jack shall only be used for changing wheels on the car with which it is provided or on cars of the same model. It must not be used for other purposes such as for instance raising cars of other models. In no case should it be used for repairs under the car. Incorrect positioning of the jack may cause the jacked car to fall. Do not use the jack for higher capacities than stated on its label. Snow chains cannot be fitted to the space-saver spare wheel. So, if a front (drive) wheel is punctured and chains are needed, a rear wheel should be fitted to the front of the car and the spare wheel should be fitted to the rear. This way with two normal drive wheels, snow chains can be fitted to them to solve an emergency.

WARNING

Never tamper with the inflation valve. Never place tools between the rim and tyre. Check and restore, if required, the pressure of tyres and spare wheel to the values given in section "Technical Specifications".

Please note:

- ❒ the jack weight is 1.76 kg;
- ❒ the jack requires no adjustment;
- ❒ the jack cannot be repaired. If it breaks it must be replaced with a new jack;
- ❒ no tool other than its cranking device may be fitted on the jack.

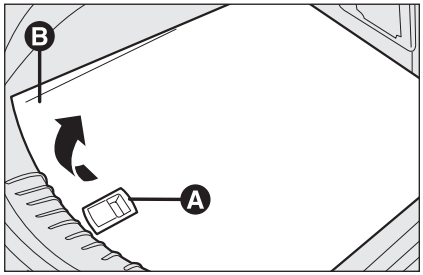


fig. 2 A0G0132m

To change a wheel proceed as follows:

- ❒ Stop the car in a position that is not dangerous for oncoming traffic where you can change the wheel safely. The ground should be flat and adequately firm;
- ❒ Turn the engine off, pull up the handbrake and engage first gear or reverse;
- ❒ using handle **A-fig. 2** raise carpet **B** and secure it to the top of the boot by means of the side couplings provided for the purpose;

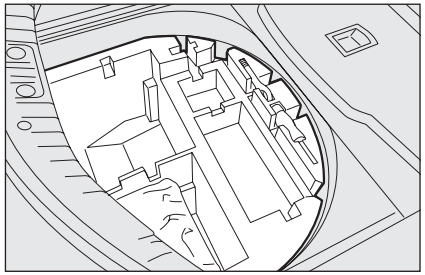


fig. 3 A0G0134m

- ❒ for versions equipped with "Quick tyre repair kit Fix&Go", take out the tool container **fig. 3** from the boot;

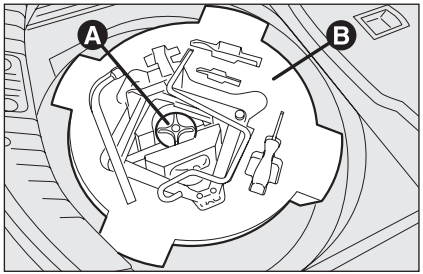


fig. 4

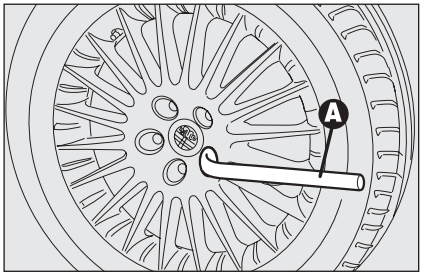


fig. 5

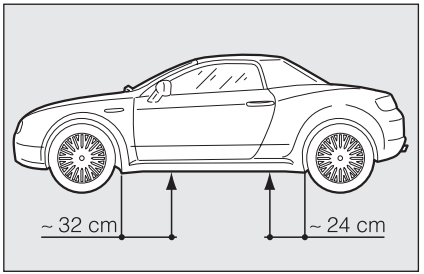


fig. 6

- for versions equipped with space-saver spare wheel, loosen the locking device **A-fig. 4**, take out the tool container **B**, and take it near the wheel to be changed then take the space-saver spare wheel;
- Using the wrench provided **A-fig. 5** loosen the bolts of the wheel to be replaced by about one turn; shake the car to facilitate rim removal from the wheel hub;
- Operate the device **F-fig. 7** to extend the jack until the top of the jack **G** fits correctly into catch **H**;
- The jack shall be fitted as shown in **fig. 6**;

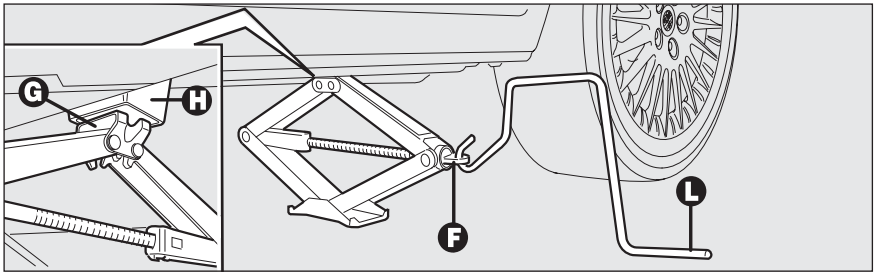


fig. 7

- Warn anybody nearby that the car is about to be lifted. They must stay clear and not touch the car until it is back on the ground;
- Fit the handle **L-fig. 7** to operate the jack and lift the car until the wheel to be changed is several centimetres off the ground;
- Loosen the fastening bolts and then remove the wheel;
- Make sure the contact surfaces between space-saver spare wheel and hub are clean so that the fastening bolts will not come loose;

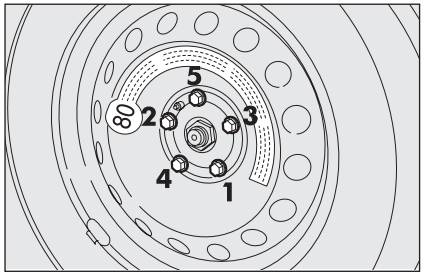


fig. 8 A0G0210m

- ❒ refit the space-saver spare wheel making the rim holes coincide with the wheel hub holes
- ❒ Using the wrench provided, fully tighten the five fastening bolts;
- ❒ Lower the car and remove the jack;
- ❒ Use the wrench provided to fasten the bolts completely in a criss-cross fashion according to the sequence shown in **fig. 8**.

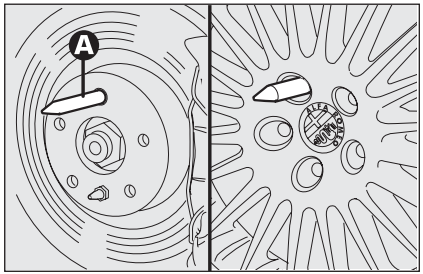


fig. 9 A0G0211m

REFITTING A NORMAL WHEEL

Following the procedure described previously, raise the car and remove the spare wheel.

Proceed as follows:

- ❒ tighten pin **A-fig. 9** in one of the holes of the wheel hub fastening bolts;
- ❒ insert the wheel on the pin and, using the wrench provided, tighten the four bolts available;
- ❒ loosen pin **A-fig. 9** and tighten the last fastening bolt;
- ❒ lower the car and remove the jack, then, using the wrench provided tighten the bolts according to the sequence previously shown for the space-saver spare wheel **fig. 8**.

When you have finished:

- ❒ Stow the spare wheel in the space provided in the boot;
- ❒ Fit the jack partially open in its container forcing it lightly to prevent it from vibrating when travelling;
- ❒ Put the tools back into their places in the container;
- ❒ Arrange the container complete with tools on the space-saver spare wheel;
- ❒ Reposition properly the boot stiff covering.

QUICK TYRE REPAIR KIT FIX&GO automatic

The car is provided with the quick tyre repair kit "FIX&GO automatic", instead of the traditional tool kit and space-saver spare wheel.

The kit is placed in the boot on left side **fig. 10**. In the kit container you will also find the screwdriver and the tow hitch.

The quick tyre repair kit **fig. 11** includes:

- ❒ a bottle **A** containing the sealer, fitted with:
  - filling pipe **B**
  - sticker **C** bearing the notice "max. 80 km/h", to be placed in a position visible to the driver (on the instrument panel) after fixing the tyre;

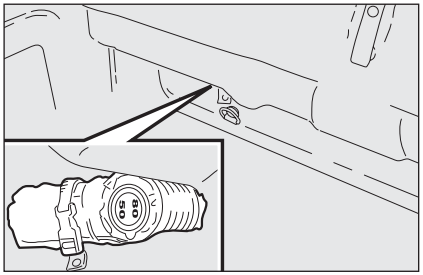


fig. 10 A0G0228m

- ❒ compressor **D** with pressure gauge and fittings;
- ❒ instruction brochure **fig. 12**, used for prompt and proper use of the quick repair kit and to be then handed to the personnel charged with treating the tyre repaired with the kit;
- ❒ a pair of protection gloves located in the side space of the compressor;
- ❒ adapters for inflating different elements.

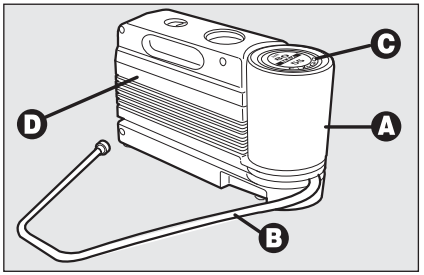


fig. 11 A0G0114m

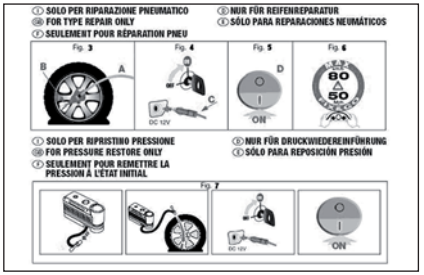


fig. 12 A0G0048m

WARNING

Hand the instruction brochure to the personnel charged with treating the tyre repaired with the kit.

It should be noticed that:

The sealing fluid of the quick tyre repair kit is effective with external temperatures between –20°C and +50°C. The sealing fluid has limited life.

WARNING

Repairs are not possible in case of damages on the wheel rim (bad groove distortion causing air loss). Do not remove foreign bodies (screws or nails) from the tyre.

In the event of a puncture caused by foreign bodies, it is possible to repair tyres showing damages on the track or shoulder up to max 4 mm diameter.

WARNING

Holes and damages on the tyre side walls cannot be repaired. Do not use the quick tyre repair kit if damaging is due to running with flat tyre.

WARNING

The cylinder contains ethylene glycol. The cylinder contains latex: it can cause allergic reactions. It is harmful if ingested or inhaled and irritant for the eyes and in case of contact. In case of contact rinse immediately with water and take off contaminated clothes. If swallowed, do not induce vomit, rinse out the mouth, drink a lot of water and call the doctor immediately. Keep away from children. This product must not be used by asthmatics. Do not inhale vapours. Call the doctor immediately in case of allergic reactions. Keep the cylinder in the space provided for the purpose and far from heat. The sealing fluid has limited life.

WARNING

The compressor shall not be operated for more than 20 minutes. Risk of overheating!. Tyres repaired with the quick tyre repair kit shall be used temporarily only.

Replace the cylinder if sealer has run out. Do not throw away the cylinder and the sealing fluid. Have the sealing fluid and the cylinder disposed of in compliance with national and local regulations.

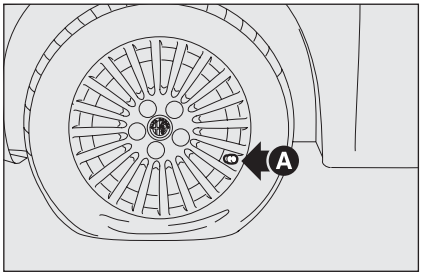


fig. 13 A0G0212m

INFLATING PROCEDURE

WARNING

Put on the protection gloves provided together with quick tyre repair kit.

Proceed as follows:

- set the wheel to be repaired with valve **A-fig. 13** in the position shown in the figure, **then pull up the handbrake**, take the quick tyre repair kit and put it on the ground near the wheel to be repaired;

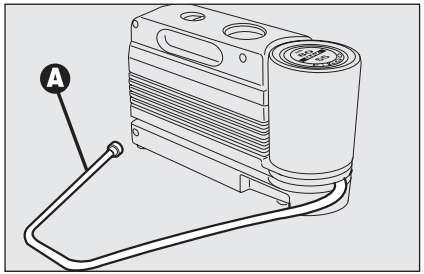


fig. 14 A0G0116m

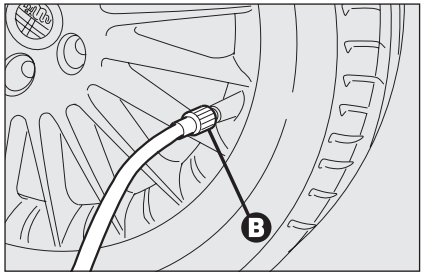


fig. 15 A0G0214m

❒ loosen tyre inflation valve cap, take out the filler hose **A-fig. 14** and screw the ring nut **B-fig. 15** on the tyre valve;

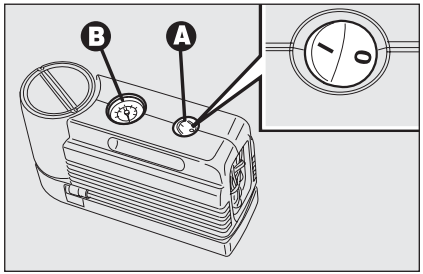


fig. 16 A0G0213m

❒ make sure the compressor switch **A-fig. 16** is set to **0** (off), start the engine and fit plug **A-fig. 17** into the outlet/cigar lighter on the front console and then turn on the compressor by setting switch **A-fig. 16** to **I** (on);

❒ inflate the tyre to the pressure specified in paragraph "Wheels" in section "Technical Specifications". Check tyre pressure on gauge **B-fig. 16** with compressor off to obtain precise reading;

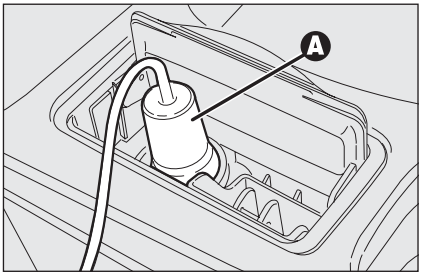


fig. 17 A0G0217m

❒ if after 5 minutes it is still impossible to reach at least 1.5 bar, disengage compressor from valve and current outlet, then move the car forth for approx. ten metres in order to distribute the sealing fluid inside the tyre evenly, then repeat the inflation operation;

❒ if after this operation it is still impossible after 5 minutes to reach at least 1.8 bar, do not start driving since the tyre is excessively damaged and the quick tyre repair kit cannot guarantee suitable sealing, contact Alfa Romeo Authorized Services;

- ❒ after reaching the tyre pressure specified in paragraph "Wheels" in section "Technical Specifications", start driving immediately;

WARNING

Apply the sticker in a visible position for the driver to indicate that the tyre has been treated with the quick tyre repair kit. Drive carefully especially when cornering and do not exceed 80 km/h. Avoid heavy braking and accelerating.

- ❒ after driving for about 10 minutes stop and check again the tyre pressure; **pull up the handbrake**;

WARNING

If pressure falls below 1.8 bar, stop the car since the tyre is excessively damaged and the quick tyre repair kit Fix & Go automatic cannot guarantee suitable sealing. Contact Alfa Romeo Authorized Services.

- ❒ if at least 1.8 bar pressure is read, restore proper pressure (with engine running and handbrake on) and restart;
- ❒ drive with the utmost care to the nearest Alfa Romeo Authorized Service.

WARNING

You shall absolutely communicate that the tyre has been repaired with the quick tyre repair kit. Hand the instruction brochure to the personnel charged with treating the tyre repaired with the kit.

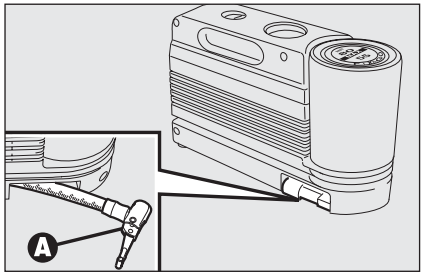


fig. 18 A0G0215m

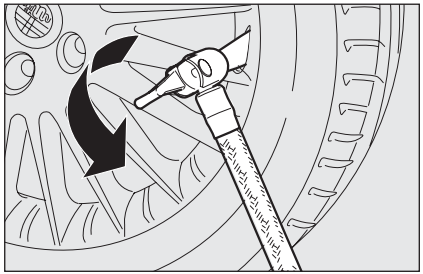


fig. 19 A0G0216m

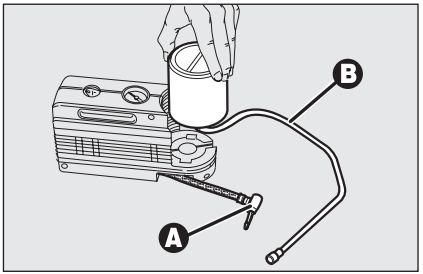


fig. 20 A0G0047m

CHECKING AND RESTORING PRESSURE ONLY

The compressor can be also used just for restoring pressure. Disconnect the quick connection **A-fig. 18** and connect it directly to the tyre valve **fig. 19**; in this way the cylinder is not connected to compressor and the sealing fluid will not flow into the tyre.

CYLINDER REPLACEMENT PROCEDURE

To replace the cylinder proceed as follows:

- ❒ disconnect connection **A-fig. 20** and hose **B**;
- ❒ turn counter-clockwise the cylinder to replace and raise it;
- ❒ fit the new cylinder and turn it clockwise;
- ❒ refit connection **A** or connect hose **B** into its seat.

WARNING

Inform other people driving the car that the tyre has been repaired using the quick tyre kit. Hand the sticker to the personnel that will carry out restoring operations.

WHEN NEEDING TO CHANGE A BULB

GENERAL INSTRUCTIONS

- ❒ When a light is not working, check that the corresponding fuse is intact before changing a bulb. For the location of fuses, refer to the paragraph "If a fuse blows" in this section;
- ❒ Before changing a bulb check the contacts for oxidation;
- ❒ Burnt bulbs must be replaced by others of the same type and power;
- ❒ Always check the height of the headlight beam after changing a bulb.

IMPORTANT The headlight inner surface may be lightly misted over: this is not a fault but a natural fact due to low temperature and level of air humidity. It will disappear as soon the headlights are turned on. The presence of drops inside the headlights means water infiltration, therefore contact Alfa Romeo Authorized Services.

WARNING

Halogen bulbs must be handled touching only the metallic part. If the transparent bulb is touched with the fingers, its lighting intensity is reduced and life of the bulb may be compromised. If touched accidentally, rub the bulb with a cloth moistened with alcohol and allow to dry.

WARNING

Modifications or repairs to the electrical system (electronic control units) carried out incorrectly and without bearing the features of the system in mind can cause malfunctions with the risk of fire.

WARNING

Halogen bulbs contain pressurised gas which, if broken, may cause small fragments of glass to be projected outwards.

WARNING

Due to high voltage, the bulb of (Bixenon) gas-discharge headlights must only be replaced by experts: danger of death! Contact Alfa Romeo Authorized Services.

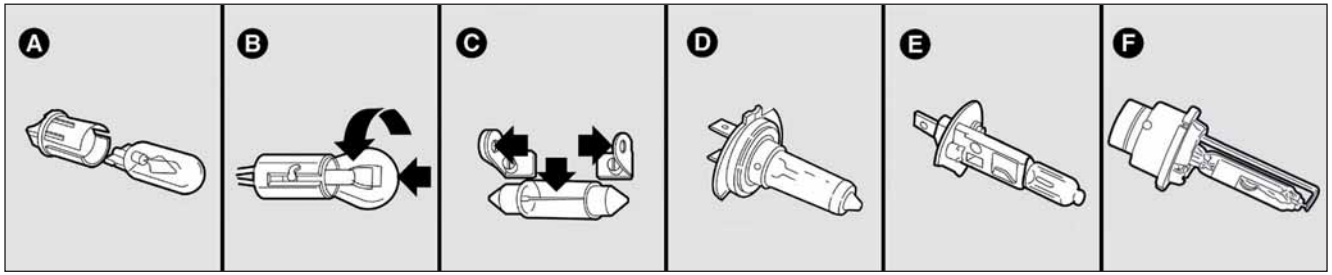


fig. 21

A0G0117m

TYPES OF BULBS fig. 21

Various types of bulbs are fitted to your car:

A **Glass bulbs:** clipped into position. Pull to remove.

B **Bayonet type bulbs:** press the bulb, turn counter-clockwise to remove this type of bulb from its holder.

C **Tubular bulbs:** release them from their contacts to remove.

D-E **Halogen bulbs:** to remove the bulb, release the clip holding the bulb in place.

F **Gas-discharge bulbs (Bixenon)**.

BULBS	FIGURE 21	TYPE	POWER
Main beam headlights	D	H7	55W
Dipped beam headlights	D	H7	55W
Main beams/Dipped beams (versions with Bixenon headlights) (where provided)	F	D1S	55W
Additional main beams (where provided)	D	H1	55W
Front sidelights (1 per headlight)	A	W5WB	5W
Taillights	B	P21/5W	5W
Front fog lights	E	H7	55W
Front direction indicator	B	PY21W	21W
Side direction indicator	A	W5W	5W
Rear direction indicator	B	P21W	21W
Brake lights	B	P21/5W	21W
Third brake light	A	W2.3W	2.3W
Reversing light	B	P21W	21W
Rear fog lights	B	P21W	21W
Number plate lights	A	W5W	5W
Front ceiling light	2xA+1C	2xW5+10W	5+5+10W
Boot light	C	10W	10W
Courtesy mirror lights	A	1.5W	1.5W
Glovebox light	A	W5W	5W
Puddle/door lights	A	W5W	5W

IF AN EXTERIOR LIGHT BURNS OUT

For the type of bulb and power rating, see "When needing to change a bulb".

FRONT LIGHT UNITS

The front light units contain main beam, sidelights, direction indicator and dipped beam bulbs.

To change the bulbs, turn cap counter-clockwise and then remove it.

The bulbs are arranged inside the light unit **fig. 22** as follows:

A Main beam headlights

B Sidelights/direction indicators

C Dipped beam headlights

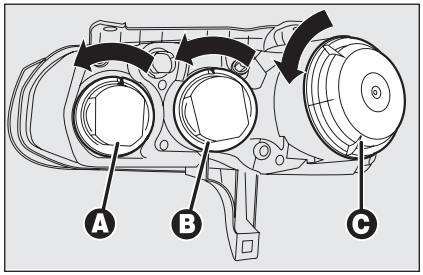


fig. 22 A0G0191m

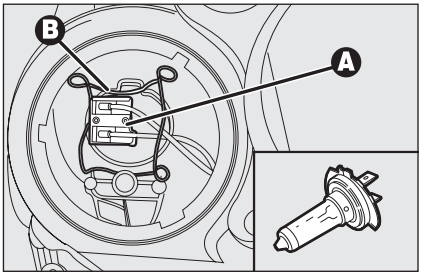


fig. 23 A0G0223m

WARNING

After replacement, refit the covers correctly checking that they are properly secured.

Main beam headlights (halogen bulbs)

To change the bulb, proceed as follows:

- ❒ remove cover **A-fig. 22** by turning it counter-clockwise;
- ❒ disconnect the electric connector **A-fig. 23**;
- ❒ release the bulb holder catch **B**;
- ❒ remove the bulb and replace it;
- ❒ fit the new bulb and refit bulb holder catch **B**;
- ❒ reconnect the electrical connector **A**;
- ❒ refit the protective cover properly.

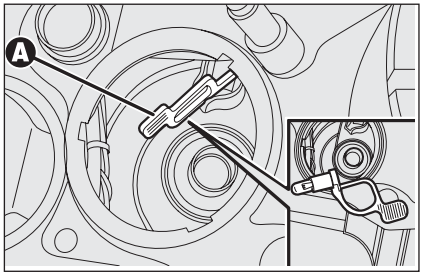


fig. 24

Sidelights

To change the bulb, proceed as follows:

- ❒ turn cover **B-fig. 22** counter-clockwise;
- ❒ press tab **A-fig. 24**, remove the bulb and replace it;
- ❒ refit the bulb holder, it shall click into place; look at the light from the outside to check for proper bulb positioning;
- ❒ refit the protective cover properly.

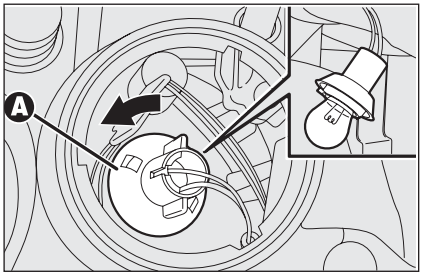


fig. 25

Front direction indicators

To change the bulb, proceed as follows:

- ❒ turn cover **B-fig. 22** counter-clockwise;
- ❒ turn the bulb holder **A-fig. 25** counterclockwise, remove the bulb and replace it;
- ❒ refit the bulb holder, it shall click into place; look at the light from the outside to check for proper bulb positioning;
- ❒ refit the protective cover properly.

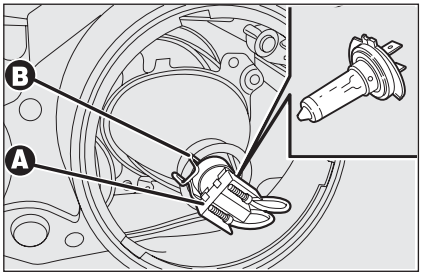


fig. 26

Dipped beam headlights (halogen bulbs)

To change the bulb, proceed as follows:

- ❒ turn cover **C-fig. 22** counter-clockwise;
- ❒ disconnect the electric connector **A-fig. 26**;
- ❒ release the bulb holder catch **B**;
- ❒ remove the bulb and replace it;
- ❒ fit the new bulb and refit bulb holder catch **B**;
- ❒ refit the protective cover properly.

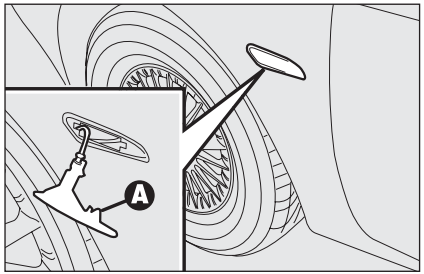


fig. 27 A0G0163m

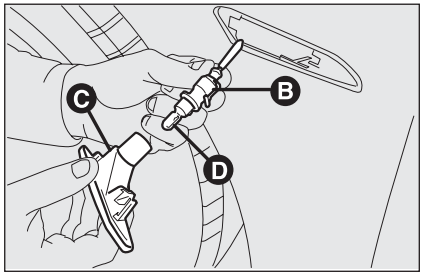


fig. 28 A0G0164m

Gas-discharge dipped beam/main beam headlights (Bixenon) (where provided)

WARNING

Due to high voltage, the bulb of (Bixenon) gas-discharge headlights must only be replaced by experts: danger of death! Contact Alfa Romeo Authorized Services.

Side direction indicators

To change the bulb, proceed as follows:

- ❒ push the lens by hand in opposite running direction in order to press the catch **A-fig. 27**. Release the front part and remove the unit;
- ❒ turn the bulb holder **B-fig. 28** counterclockwise and remove it from lens **C**.
- ❒ remove bulb **D** and replace it;
- ❒ fit the bulb holder **B** into the lens **C** then position the unit, the catch shall click into place **A-fig. 27**.

Be careful not to damage the car body or the lens.

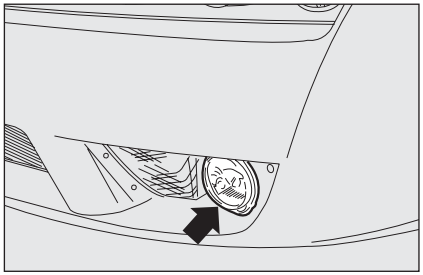


fig. 29 A0G0196m

Front fog lights fig. 29

IMPORTANT Contact Alfa Romeo Authorized Services to have front fog lights replaced and adjusted.

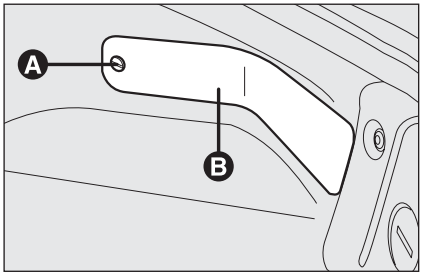


fig. 30 A0G0273m

REAR LIGHT UNITS

Rear light units contain: reversing light, rear fog light, direction indicators, taillights, number plate lights, brake light and third brake light bulbs.

To change these bulbs, open the boot, operate device **A-fig. 30** and remove the lid **B**.

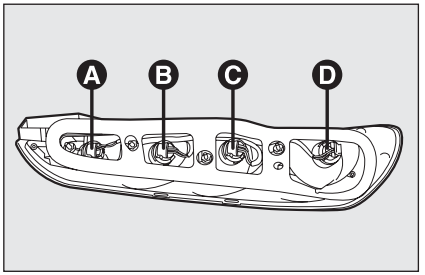


fig. 31 A0G0166m

The bulbs are arranged inside the light unit **fig. 31** as follows:

A Reversing light (left side)/rear fog light (right side)

B Brake lights/taillights

C Brake lights/taillight

D Direction indicators

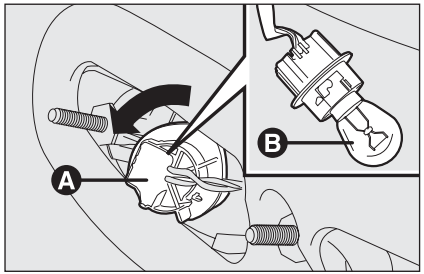


fig. 32 A0G0040m

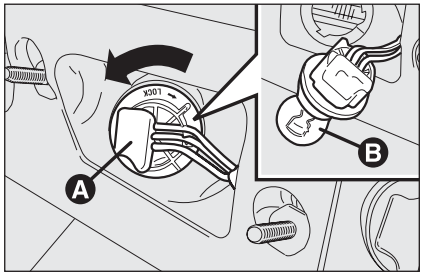


fig. 33 A0G0170m

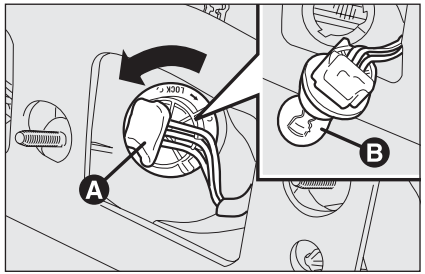


fig. 34 A0G0229m

Reversing light/rear fog light

Reversing light and rear fog light are located inside the rear light unit, one on the left and the other on the right of the car (according to running direction).

To change the bulb, proceed as follows:

- ❒ open the boot and the lid as described previously (see **fig. 30**);
- ❒ turn the bulb holder **A-fig. 32** counterclockwise, remove the bulb **B** and replace it;
- ❒ refit the bulb holder, it shall click into place; look at the light from the outside to check for proper bulb positioning.

Taillights/Brake lights

The rear light unit houses two bulbs for taillights/brake lights.

To change the bulb, proceed as follows:

- ❒ open the boot and the lid as described previously (see **fig. 30**);
- ❒ turn the bulb holder **A-fig. 33** or **A-fig. 34** counterclockwise, remove the bulb **B** and replace it;
- ❒ refit the bulb holder, it shall click into place; look at the light from the outside to check for proper bulb positioning.

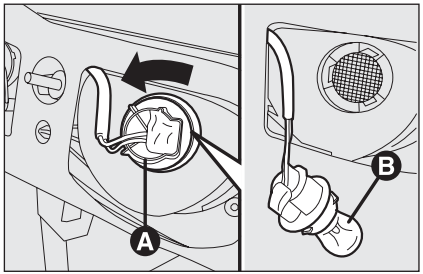


fig. 35 A0G0167m

Direction indicators

To replace the bulbs proceed as follows:

- ❒ open the boot and the lid as described previously (see **fig. 30**);
- ❒ turn the bulb holder **A-fig. 35** counterclockwise, remove the bulb **B** and replace it;
- ❒ refit the bulb holder, it shall click into place; look at the light from the outside to check for proper bulb positioning.

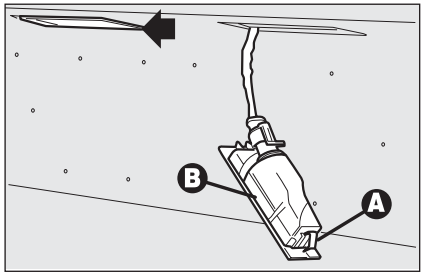


fig. 36 A0G0168m

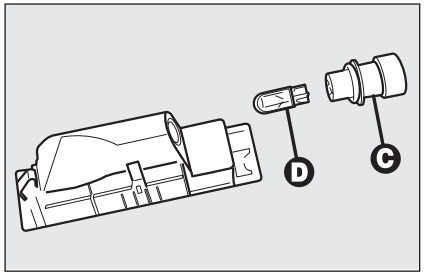


fig. 37 A0G0169m

Number plate light

To replace the bulbs proceed as follows:

- ❒ operate with a flat blade screwdriver protected by a soft cloth on device **A-fig. 36** to remove the light unit **B**;
- ❒ remove the bulb holder **C-fig. 37** by turning it slightly and replace the snap-fitted bulb **D**.

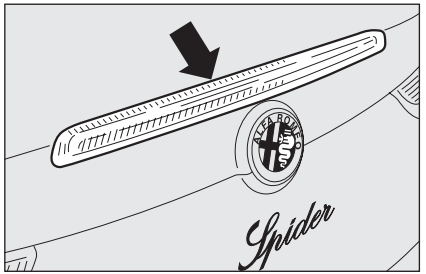


fig. 38 A0G0274m

Additional brake light (third stop)

To change the bulb (**fig. 38**), proceed as follows:

- ❒ open the tailgate, remove fasteners **A-fig. 39** and remove panel **B**;

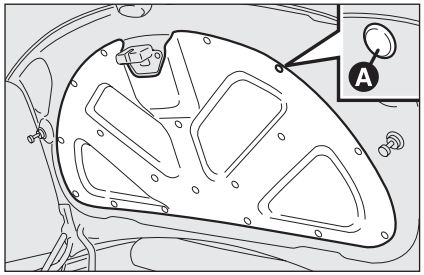


fig. 39 A0G0275m

❒ release the clips and working through the proper sheet slots replace the light unit. Then refit panel **B**.

IF AN INTERIOR LIGHT BURNS OUT

For the type of bulb and power rating, see “When needing to change a bulb”.

FRONT CEILING LIGHT

Contact Alfa Romeo Authorized Services to have the bulb replaced.

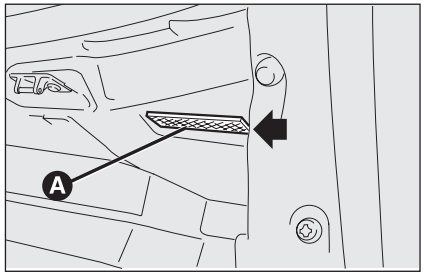


fig. 40 A0G0172m

GLOVEBOX LIGHT

To change the bulb, proceed as follows:

❒ open the glovebox;

❒ remove the light unit **A-fig. 40** levering in the point shown by the arrow;

❒ raise protection **B-fig. 41** and replace the snap-fitted bulb;

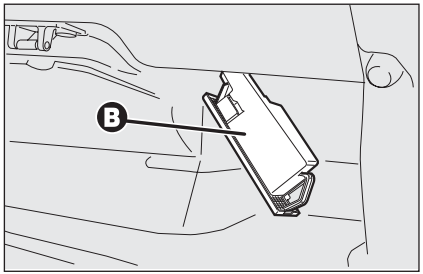


fig. 41

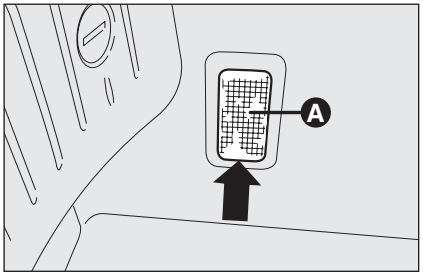


fig. 42

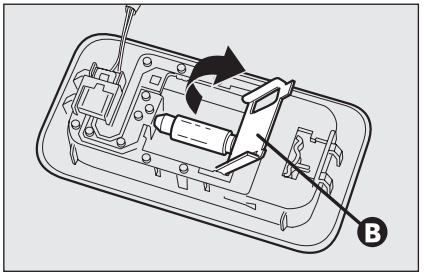


fig. 43

❒ close protection **B-fig. 41** on light unit **A-fig. 40**;

❒ refit the light unit inserting first one side and then the other one until hearing the locking click.

BOOT LIGHT

To change the bulb, proceed as follows:

❒ open the tailgate;

❒ remove the light unit **A-fig. 42** levering in the point shown by the arrow;

❒ open the protection cover **B-fig. 43** and replace the bulb releasing it from the side contacts making sure that the new bulb is correctly clamped between the contacts;

❒ re-close the protective cover **B**;

❒ refit the light unit inserting first one side and then the other one until hearing the locking click.

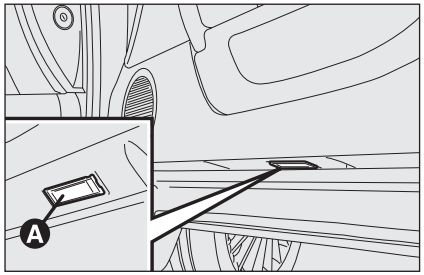


fig. 44 A0G0075m

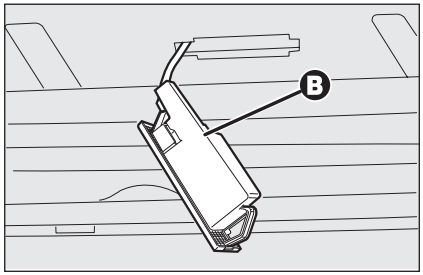


fig. 45 A0G0235m

PUDDLE LIGHT

To change the bulb, proceed as follows:

❒ open the door and remove lens **A-fig. 44** levering in the point shown by the arrow;

❒ raise protection **B-fig. 45** and replace the snap-fitted bulb;

❒ close protection **B-fig. 45** on light unit **A-fig. 44**;

❒ refit the light unit inserting first one side and then the other one until hearing the locking click.

IF A FUSE BLOWS

GENERAL

The fuse is a protective device for the electric system: it comes into action (i.e. it cuts off) mainly due to a fault or improper action on the system.

When a device does not work, check the efficiency of its fuse. The conductor element must be intact; if not, replace the fuse with one of the same amp rating (same colour).

A: undamaged fuse

B: fuse with damaged filament.

To replace a fuse, use the pliers **C** hooked to the fusebox on the dashboard.

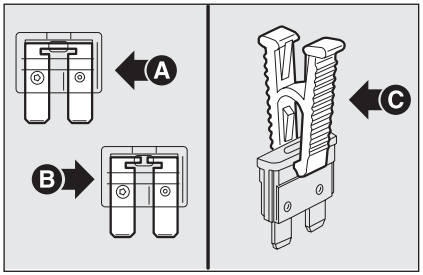


fig. 46 A0G0119m

Never replace a broken fuse with anything other than a new fuse.

WARNING

Never change a fuse with another with a higher amp rating, danger of fire.

WARNING

If a general fuse (MEGA-FUSE, MAXI-FUSE) cuts in, do not attempt any repair and contact Alfa Romeo Authorized Services. Before changing a fuse, check the ignition key has been removed and that all the other electric devices have been turned off/disabled.

WARNING

If the fuse blows again, contact Alfa Romeo Authorized Services.

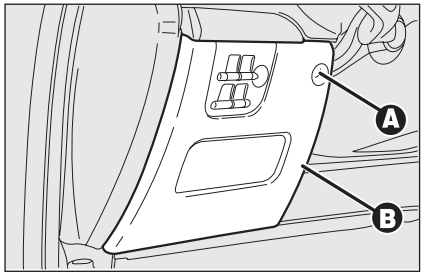


fig. 47 A0G0157m

FUSE LOCATION

Fuses are grouped into four fuse boxes to be found respectively on the dashboard, on the battery positive pole, near the battery and inside the boot (left-hand side).

Fuse box on the dashboard

To gain access to the fuses in the fuse box on the dashboard, loosen the fastening screw **A-fig. 47** and remove the cover **B**.

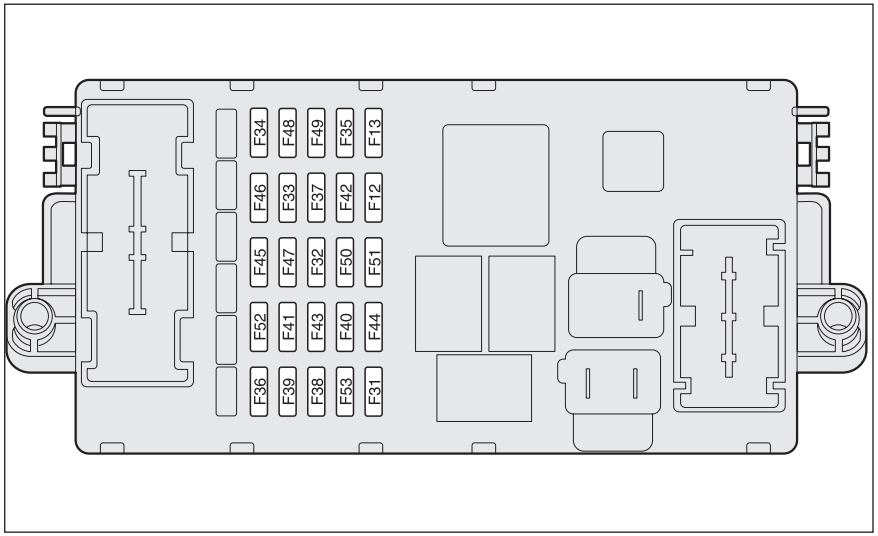


fig. 48 A0G0124m

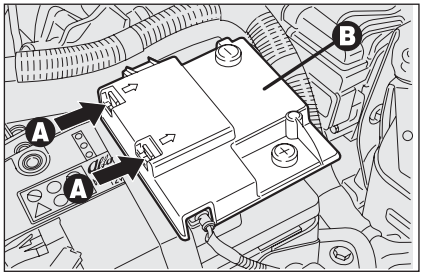


fig. 49 A0G0126m

Fuse box on the battery positive pole

To gain access to the fuses in the fuse box on the battery positive pole press the retainers **A-fig. 49** and remove the protection cover **B**.

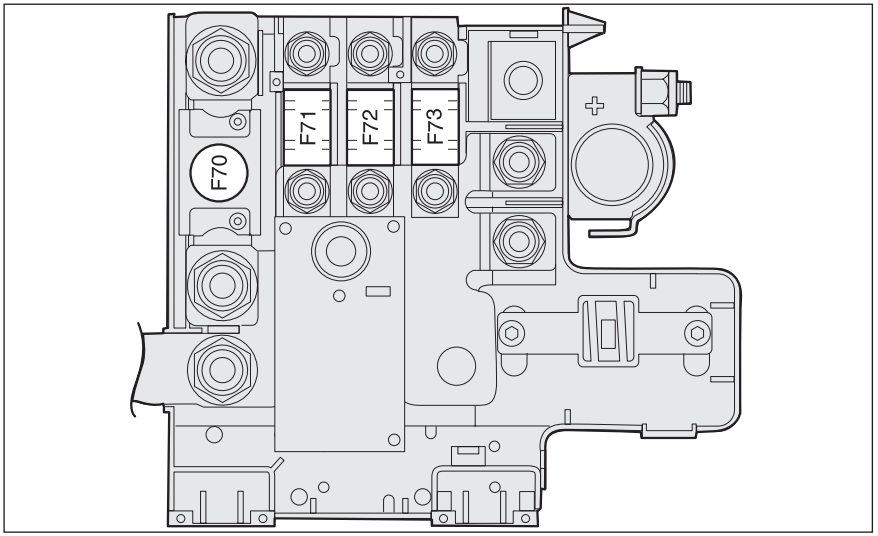
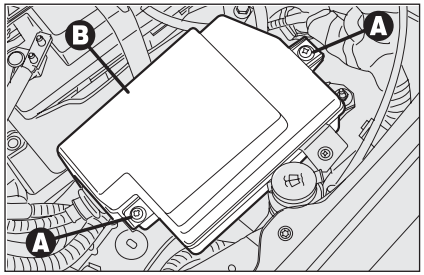


fig. 50 A0G0125m

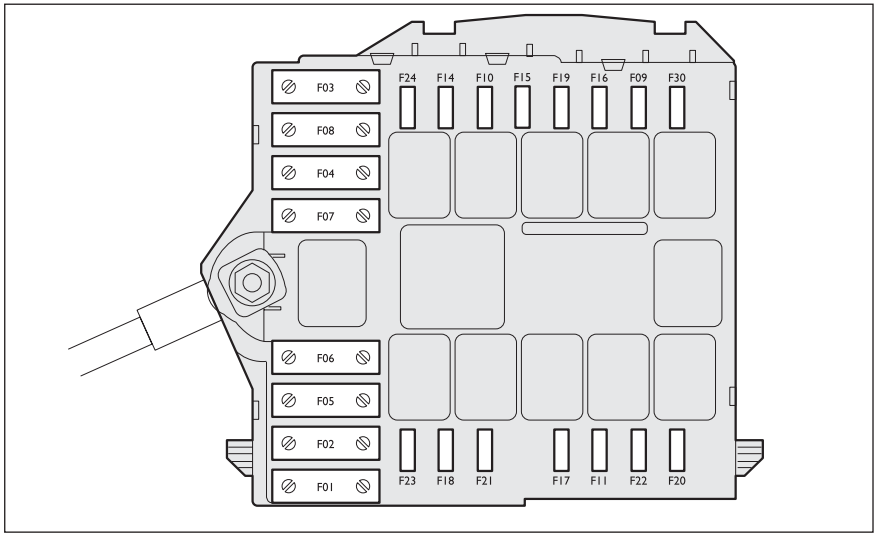


A0G0128m

fig. 51

Fuse box near the battery

To gain access to the fuses, loosen the two fastening screws **A-fig. 51** and remove the protection cover **B**.



A0G0123m

fig. 52

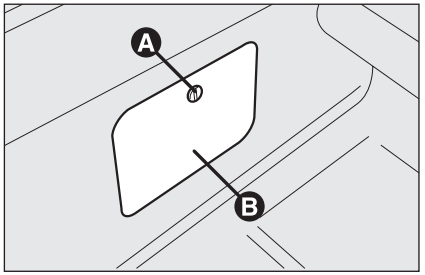


fig. 53

Fuse box in the boot (left-hand side)

To gain access to the fuses, loosen device **A-fig. 53** and open cover **B**.

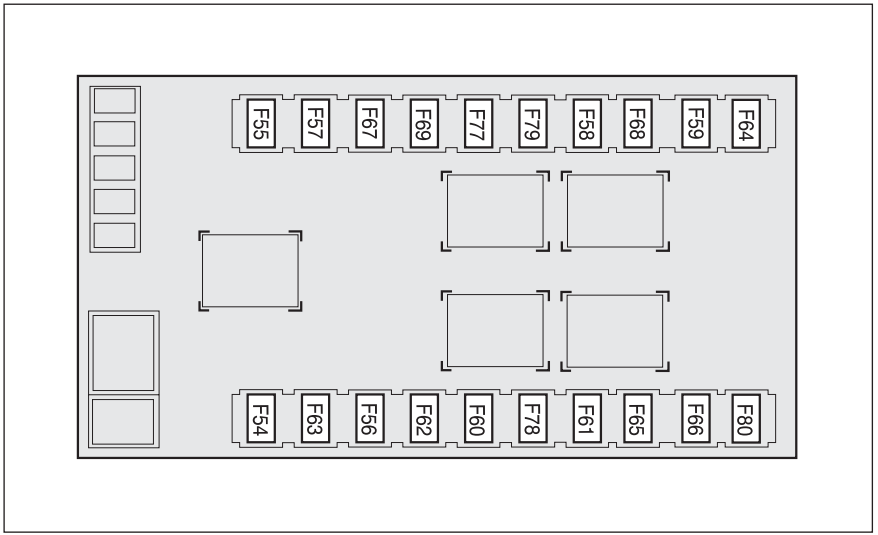


fig. 54

FUSE SUMMARY TABLE

LIGHTS	FUSE	AMPERE	FIGURE
Right main beam headlight	F14	10	52
Left main beam headlight	F15	10	52
Right dipped beam headlight	F12	15	48
Left dipped beam headlight	F13	15	48
Front fog light	F30	15	52
Reversing light	F35	7.5	48
Third brake light	F37	10	48
Front ceiling light	F49	7.5	48
Front ceiling light	F49	7.5	48
Direction indicators	F53	10	48
Hazard lights	F53	10	48

USERS	FUSE	AMPERE	FIGURE
Engine compartment control unit	F70 (MEGA-FUSE)	150	50
Instrument panel control unit	F71	70	50
Fuel pre-heating unit (diesel versions)	F73	60	50
Boot control unit	F01 (MAXI-FUSE)	70	52
Instrument panel control unit	F01 (MAXI-FUSE)	70	52

USERS	FUSE	AMPERE	FIGURE
Climate control system fan	F02 (MAXI-FUSE)	40	52
Electric steering lock	F03 (MAXI-FUSE)	20	52
Brake branch point (pump)	F04 (MAXI-FUSE)	40	52
Brake branch point (solenoid valve)	F05 (MAXI-FUSE)	40	52
Radiator fan (low speed)	F06 (MAXI-FUSE)	40	52
Radiator fan (high speed)	F07 (MAXI-FUSE)	50	52
Headlight washer	F09	20	52
Horns	F10	15	52
Electronic injection sundry secondary services	F11	15	52
+ INT for electronic injection system	F16	7.5	52
Electronic injection primary services	F17	10	52
Engine control branch point	F18	15	52
Climate control system compressor	F19	7.5	52
Rear window heating	F20	20	52
Fuel pump supply	F21	20	52
Ignition coils/injectors (petrol versions)	F22	15	52
Electronic injection primary services (diesel versions)	F22	20	52
Sound system/Radionavigation system power	F23	15	52
Body Computer branch point/Headlight washer relay coil	F31	7.5	48
Driver's door branch point/passenger's door branch point/ ignition device	F32	15	48
Free	F33	–	48
Free	F34	–	48

USERS	FUSE	AMPERE	FIGURE
Water in diesel fuel filter sensor/flow meter	F35	7.5	48
Brake light switch/central console control panel	F35	7.5	48
Cruise Control	F35	7.5	48
AQS sensor	F35	7.5	48
Free	F36	—	48
Instrument panel branch point	F37	10	48
Front headlight control unit/Power to control unit for gas-discharge headights (Bixenon) (where provided)	F37	10	48
Boot locking/unlocking gearmotor	F38	15	48
EOBD system diagnostic socket	F39	10	48
T.P.M.S. control unit	F39	10	48
Mobile phone presetting	F39	10	48
Alarm system control unit (where provided)	F39	10	48
Climate control system	F39	10	48
Heated rear window	F40	30	48
Headlight washer nozzle demister	F41	7.5	48
Heated mirror demister	F41	7.5	48
Brake branch point power (ABS/VDC) — Steering angle branch point — Yawing sensor	F42	7.5	48
Windscreen wiper/washer	F43	30	48

USERS	FUSE	AMPERE	FIGURE
Cigar lighter on central console	F44	10	48
Radionavigation system	F49	7.5	48
Rain sensor control unit	F49	7.5	48
Steering wheel branch point	F49	7.5	48
Control buttons panel	F49	7.5	48
Parking sensor branch point	F49	7.5	48
Central console controls lights	F49	7.5	48
Seat controls lights	F49	7.5	48
Windscreen services	F49	7.5	48
Mobile phone presetting	F49	7.5	48
START/STOP button	F49	7.5	48
Air Bag system	F50	7.5	48
T.P.M.S. control unit	F51	7.5	48
Sound system presetting	F51	7.5	48
Instrument panel branch point	F53	10	48
Sound system amplifier with DSP	F54	30	54

USERS	FUSE	AMPERE	FIGURE
+ 30 HI-FI audio amplifier	F54	30	54
Left seat movement control	F56	25	54
Left seat warming	F57	7.5	54
Right seat movement control	F60	25	54
Free	F61	–	54
Right seat warming	F67	7.5	54
Free	F58	–	54
Free	F59	–	54
Top hydraulic pump	F62	30	54
Top control unit and solenoid valves	F63	20	54
Free	F64	–	54
Free	F66	–	54
Free	F68	–	54
Free	F69	–	54
Free	F77	–	54
Left power window	F78	30	54
Free	F79	–	54
Right power window	F80	30	54

IF THE BATTERY IS FLAT

IMPORTANT The description of the battery charging procedure is described only for informative purposes. This operation should be carried out by Alfa Romeo Authorized Services.

Charging should be slow at a low amp rating for 24 hours. Charging for a longer time may damage the battery.

Charge the battery as follows:

- ❒ disconnect battery negative terminal (—);
- ❒ connect the charger cables to the battery terminals, observing the poles;
- ❒ turn on the charger;
- ❒ when you have finished, turn the charger off before disconnecting the battery;
- ❒ reconnect battery negative terminal (—).

WARNING

The liquid in the battery is poisonous and corrosive. Do not let it touch the skin or eyes. Recharging the battery should be done in a well ventilated area away from naked flames or possible sources of sparks: explosion and fire risk.

WARNING

Do not attempt to recharge a frozen battery. Thaw it first, otherwise it could explode. If the battery froze, make sure the internal elements are not broken and that the casing is not cracked: risk of spilling the poisonous and corrosive fluid.

JACKING THE CAR

USING AN ARM LIFT OR WORKSHOP LIFT

Never jack the car from the front side, the car can only be jacked at the sides, jack arms or workshop lift shall be placed as shown in **fig. 55**. In any case, contact Alfa Romeo Authorized Services.

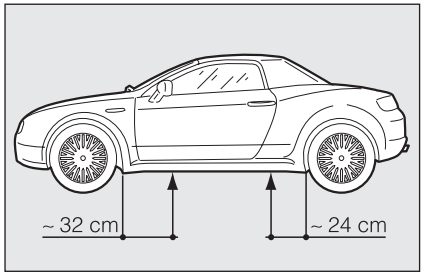


fig. 55 A0G0272m

WITH THE JACK

See instructions given in paragraph "Wheel replacement" in this section.

TOWING THE CAR

The tow ring provided with the car is housed in the tool container.

PRECAUTIONS FOR TOWING THE CAR

To prevent damaging transmission components, you are recommended to tow the car only in one of the following ways:

- ❒ with front wheels raised and rear wheels resting on a suitable truck;
- ❒ with rear wheels raised and front wheels resting on a suitable truck;
- ❒ with front and rear wheels resting on the wrecking car floor.

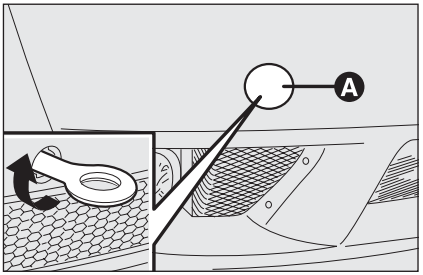


fig. 56 A0G0230m

TOW RING HOOKING

Front

Proceed as follows:

- ❒ take the tow hook from the tool container;
- ❒ remove the snap-fitted plug **A-fig. 56** from the front bumper. If using the flat blade screwdriver provided as standard, protect its tip with a soft cloth to prevent damaging the car.
- ❒ tighten the tow hook in its seat.

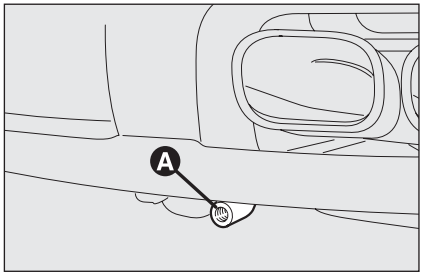


fig. 57

Rear

Take the tow hook from the tool container and tighten it as shown in **A-fig. 57**.

WARNING

Before fitting the hook, clean accurately its threaded seat. Before starting to tow, make sure to have tighten the hook.

WARNING

Before starting to tow, disengage the steering lock (see paragraph "Ignition device" in section "Dashboard and controls"). When towing, remember that without the help of the brake booster and power steering, a greater effort is required on the pedal and steering wheel. Do not use flexible cables for towing and avoid jerks. During towing operations make sure that fastening the joint to the car does not damage the components in contact with it. When towing the car, you must comply with the specific traffic regulations regarding the tow ring and how to tow on the road.

WARNING

Do not start the engine when towing the car.

WARNING

The front and rear tow hooks must only be used for emergency situations on the road. The vehicle may be towed for short distances when a dedicated device is used in compliance with the Highway Code (rigid bar), in order to move the vehicle on the road in preparation for towing by a tow truck Tow hooks MUST NOT be used to tow vehicles off the road or where there are obstacles and/or for towing operations using cables or other non-rigid devices. Respecting the above conditions, towing must only take place with two vehicles (one towing, the other towed) travelling as far as possible in alignment along the same centreline.

CAR MAINTENANCE

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SCHEDULED SERVICING

Correct maintenance is essential for ensuring long car life under the best conditions.

This is why Alfa Romeo has programmed a series of checks and maintenance operations every 35,000 km (or 21,000 mi).

IMPORTANT At 2000 km from the scheduled service, the display will show a dedicated message.

It is however important to remember that scheduled servicing does not completely cover all the car's requirements: also in the initial period before 35,000 km (or 21,000 mi) service coupon and later, between one coupon and another, ordinary care is still required such as for example routine check and topping up the level of fluids, tyre pressure check, etc...

IMPORTANT The Programmed Maintenance coupons are specified by the Manufacturer. The failure to have them carried out may invalidate the warranty.

Scheduled Servicing is performed by all Alfa Romeo Authorized Services, at preestablished times.

If during whatever service operation, in addition to the ones programmed, the need arises for further replacements or repairs, these may be carried out only with the explicit agreement of the Customer.

IMPORTANT You are advised to contact Alfa Romeo Authorized Services in the event of any minor operating faults, without waiting for the next service coupon.

If your car is used frequently for towing, the interval between one service coupon and the other must be reduced.

SERVICE SCHEDULE

Thousands of km	35	70	105	140	175
Check tyre conditions/wear and adjust pressure if required	●	●	●	●	●
Check light system operation (headlights, direction indicators, hazard lights, boot lights, passenger compartment lights, glovebox lights, warning lights, etc.)	●	●	●	●	●
Check windscreen wiper/washer operation, adjust nozzles if required	●	●	●	●	●
Check windscreen/rear window blade position/wear	●	●	●	●	●
Check front disk brake pad conditions and wear and wear indicator operation	●	●	●	●	●
Check rear disk brake pad conditions and wear	●	●	●	●	●
Sight inspect the conditions of: body external parts, underbody protection, pipes and hoses (exhaust - fuel - brakes), rubber parts (boots, sleeves, bushes, etc.)	●	●	●	●	●
Check cleanness of locks, bonnet and boot and lever cleanness and lubrication	●	●	●	●	●
Check and top up, if required, fluid levels (brakes/hydraulic clutch, power steering, windscreen washer, battery, engine coolant, etc.)	●	●	●	●	●
Check and adjust handbrake lever stroke	●		●		●
Sight inspect accessory drive belt conditions		●			●
Check exhaust emissions (petrol versions)	●	●	●	●	●
Check exhaust emissions/smoke (diesel versions)	●	●	●	●	●
Check engine control system operation (through diagnosis socket)	●	●	●	●	●

Thousands of km	35	70	105	140	175
Replace accessory drive belt/s			●		
Replace timing belt (diesel versions) (*)				●	
Change spark plugs (petrol versions)			●		
Replace diesel fuel filter (diesel versions)		●		●	
Change air cleaner cartridge (petrol versions)	●	●	●	●	●
Change air cleaner cartridge (diesel versions)	●	●	●	●	●
Change front transmission gear oil (3.2 JTS 4x4 versions)				●	
Changing engine oil and oil filter (petrol versions) (or every 24 months) (***)	●	●	●	●	●
Change engine oil and oil filter (diesel versions with DPF) (**) (or every 24 months)					
Change engine oil and oil filter (diesel versions without DPF) (or every 24 months)	●	●	●	●	●
Change brake fluid (or every 24 months)	●	●	●	●	●
Change pollen filter (or every 24 months)	●	●	●	●	●
Check for proper opening/closing, sight inspect sealing gaskets, check for proper window adhesion to top seals and ad just if required (or every 18 months)	●	●	●	●	●
Check top hydraulic system pump oil level and top up if required (or every 12 months)	●	●	●	●	●

(*) Regardless of the km covered, the timing belt shall be replaced every 4 years for particularly demanding use (cold climates, driving in the city, idling for a long time) or in any case every 5 years.

(**) Engine oil and oil filter shall actually be changed according to the conditions of use of the car and it is indicated by the relevant warning light or message (where provided) on the instrument panel.

(***) If the car is mainly used for town driving or in particularly harsh climate conditions and has a low annual mileage, the engine oil and filter should be changed every 12 months.

ROUTINE MAINTENANCE

Every 1,000 km or before long journeys, check and top up if required:

- ❒ engine coolant fluid level;
- ❒ brake fluid level;
- ❒ windscreen washer fluid level;
- ❒ tyre pressure and conditions;
- ❒ light system operation (headlights, direction indicators, hazard lights, etc.);
- ❒ windscreen wiper/washer operation and windscreen wiper blade position/wear;

Every 3,000 km check and top up if required: engine oil level.

You are recommended to use **FL Selenia** products, designed and produced specifically for Alfa Romeo cars (see table "Capacities" in section "Technical specifications").

HEAVY-DUTY

Should prevailing use of the car be under one of the following specially heavy conditions:

- ❒ trailer or caravan towing;
- ❒ dusty roads;
- ❒ short distances (less than 7-8 km) repeated and with external temperatures below zero;
- ❒ frequently idling engines or long distance low speed driving (e.g. taxis or door-to-door deliveries) or in case of a long term inactivity;
- ❒ driving in the city;

carry out the following checks more frequently than required in the Service Schedule:

- ❒ check front disk brake pad conditions and wear;
- ❒ check cleanness of bonnet and boot locks and lever cleanness and lubrication;
- ❒ sight inspect the conditions of: engine, gearbox, transmission, pipes and hoses (exhaust - fuel - brakes), rubber parts (boots, sleeves, bushes, etc.);
- ❒ check battery charge and fluid level (electrolyte);
- ❒ visual check on various drive belt conditions;
- ❒ check and change, if required, engine oil and oil filter;
- ❒ check and replace pollen filter, if required;
- ❒ check and replace air cleaner, if required.

CHECKING FLUID LEVELS

Refer to section Technical Specifications for fluid amounts.

When topping up take care not to confuse the various types of fluids: they are all incompatible with one another and could seriously damage the car.

WARNING

Never smoke while working in the engine compartment; gas and inflammable vapours may be present, with the risk of fire.

1. Engine oil - **2.** Battery - **3.** Brake fluid - **4.** Windscreen washer fluid **5.** Engine coolant - **6.** Power steering fluid

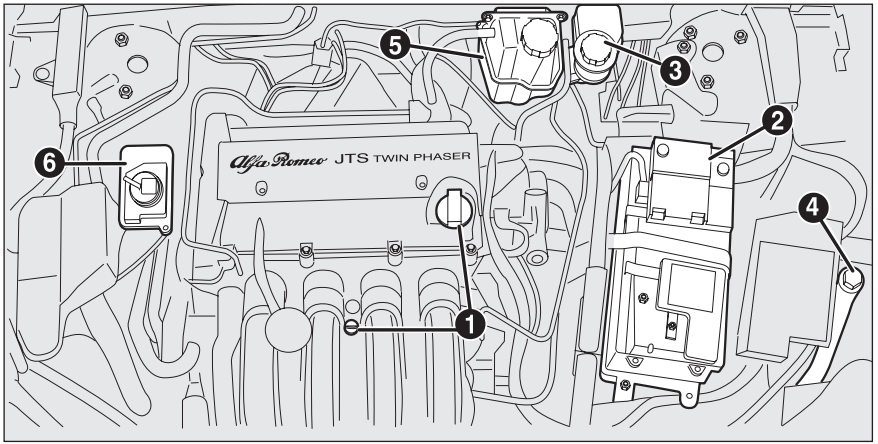

fig. 1 - 2.2 JTS versions

A0G0161m

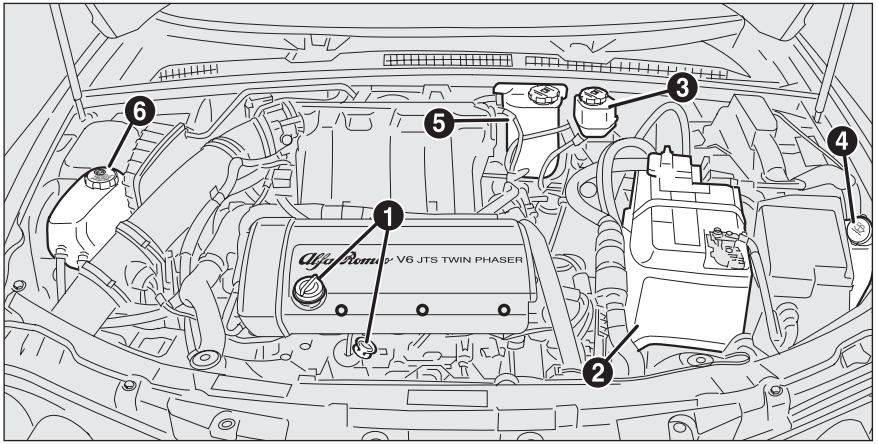

fig. 2 - 3.2 JTS versions

A0G0038m

1. Engine oil - **2.** Battery - **3.** Brake fluid - **4.** Windscreen washer fluid **5.** Engine coolant - **6.** Power steering fluid

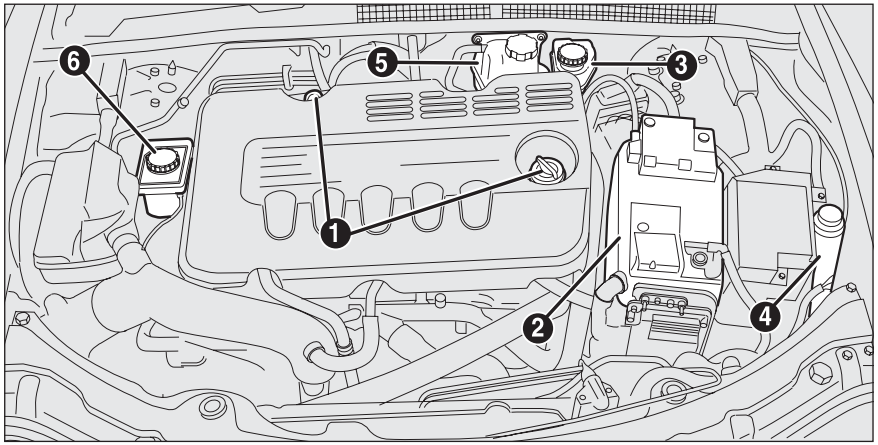

fig. 3 - 2.4 JTDM versions

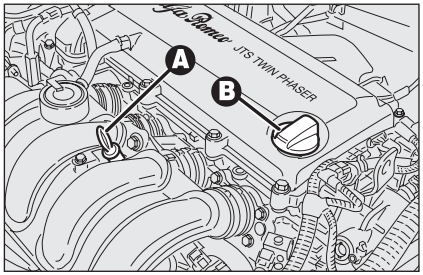

fig. 4 A0G0018m

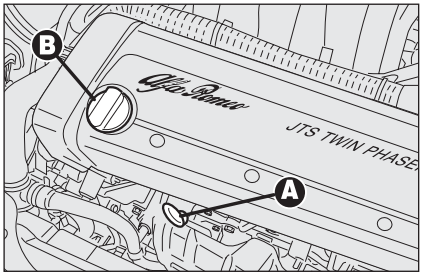

fig. 5 A0G0069m

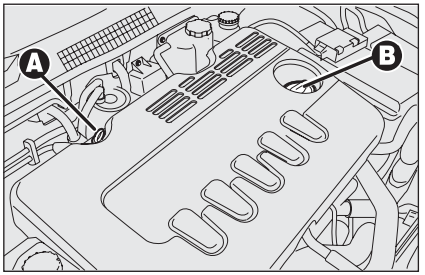

fig. 6 A0G0300m

ENGINE OIL

Fig. 4: 2.2 JTS versions

Fig. 5: 3.2 JTS versions

Fig. 6: 2.4 JTDM versions

Checking engine oil

Check the oil level a few minutes (about 5) after the engine has stopped, with the car parked on level ground.

Remove the dipstick **A** and clean it, put it back in completely, remove it and check that the level is within the **MIN** and **MAX** marks on the dipstick. The gap between the **MIN** and **MAX** marks corresponds to about one litre of oil.

Topping up engine oil

If the oil level is near or even below the **MIN** mark, add oil through the filler neck **B**, until reaching the **MAX** mark. Oil level shall never exceed the **MAX** mark.

IMPORTANT If a routine check reveals that the oil level is above the **MAX** mark, contact Alfa Romeo Authorized Services to have the correct level restored.

IMPORTANT After adding or changing the oil, let the engine turn over for a few seconds and wait a few minutes after turning it off before you check the level.

Engine oil consumption

Max engine oil consumption is usually 400 grams every 1000 km.

When the car is new, the engine needs to run in, therefore the engine oil consumption can only be considered stabilised after the first 5000 - 6000 km.

IMPORTANT The oil consumption depends on driving style and the conditions under which the car is used.

IMPORTANT Do not add oil with specifications other than that already in the engine.

WARNING

When the engine is hot, take care when working inside the engine compartment to avoid burns. Remember that when the engine is hot, the fan may cut in: danger of injury. Scarves, ties and other loose clothing might be pulled by moving parts.

Used engine oil and filter contain harmful substances for the environment. Contact Alfa Romeo Authorized Services to have the oil and filter changed.

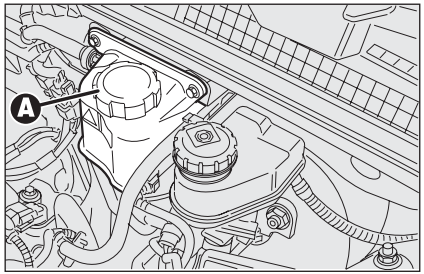

fig. 7

ENGINE COOLANT FLUID fig. 7

If the level is low, pour slowly a mixture of 50% distilled water and 50% **PARAFLU UP** through the filler neck **A**.

A 50% mixture of distilled water and **PARAFLU UP** gives freeze protection to –35°C.

For particularly hard climate conditions, we recommend use of a 60% **PARAFLU UP** and 40% demineralized water mixture.

WARNING

With engine hot, do not remove the cap: risk of burnt.

The cooling system uses PARAFLU UP that shall be used for topping up and that cannot be mixed with other types of fluids. Should other fluids be added, do not start the engine and contact Alfa Romeo Authorized Services as soon as possible.

WARNING

The cooling system is pressurised. If necessary, replace the cap only with another genuine one, otherwise system efficiency could be compromised.

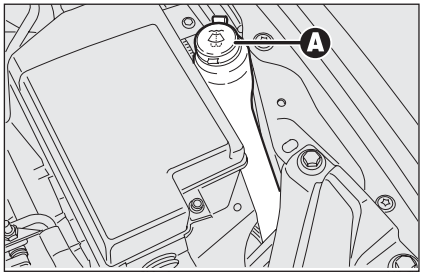

fig. 8 A0G0029m

WINDSCREEN/HEADLIGHT WASHER FLUID fig. 8

To top up, remove the cap **A** and then pour a mixture of water and **TUTELA PROFESSIONAL SC 35**, in the following concentrations:

- ❒ 30% **TUTELA PROFESSIONAL SC 35** and 70% water in summer;
- ❒ 50% **TUTELA PROFESSIONAL SC 35** and 50% water in winter.

In case of temperatures below –20°C, use undiluted **TUTELA PROFESSIONAL SC 35**.

WARNING

Do not travel with the windscreen washer reservoir empty. The windscreen washer is fundamental for improving visibility.

WARNING

Certain commercial additives for windscreen washers are inflammable. The engine compartment contains hot components which may set it on fire.

POWER STEERING FLUID fig. 9-10

Check that the fluid level in the reservoir is at maximum level: this operation shall be carried out with the car on level surface, engine not running and cold.

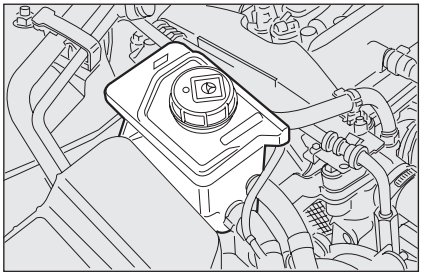
fig. 9 - 2.2 JTS - 2.4 JTDM versions A0G0027m

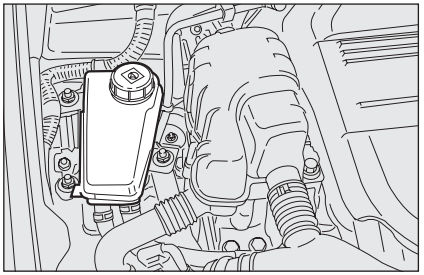
fig. 10 - 3.2 JTS versions A0G0234m

Check that the fluid level is at the **MAX** mark on the reservoir or at the top mark (maximum level) shown on the dipstick under the reservoir cap.

If the fluid level in the reservoir is below the specified level, top up as follows:

- ❒ start the engine and wait until the fluid level in the reservoir has stabilized;
- ❒ with the engine started, turn repeatedly the steering wheel fully rightwards and leftwards;
- ❒ top up until reaching the **MAX** mark then refit the cap.

IMPORTANT For this operation it is however recommended to always contact Alfa Romeo Authorized Services.

WARNING

Do not allow the power steering fluid to touch the hot parts of the engine: it is inflammable.

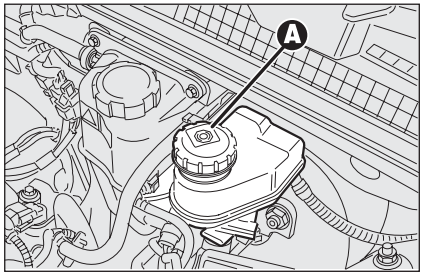

fig. 11

BRAKE FLUID fig. 11

Check that the fluid level in the reservoir is at maximum. Top up with the brake fluid specified in the table "Fluids and lubricants" (see section "Technical Specifications ").

NOTE Clean accurately the tank cap **A** and the surrounding surface. When opening the cap take the utmost care to prevent impurities entering the tank. When topping up, always use a funnel with built-in filter with mesh equal to or lower than 0.12 mm.

IMPORTANT For this operation it is however recommended to contact Alfa Romeo Authorised Services.

From time to time, check the instrument panel warning light (①): pressing on cap **A** (with key fitted into the ignition device) the warning light shall turn on.

IMPORTANT Brake fluid absorbs moisture. For this reason, if the car is mainly used in areas with a high degree of atmospheric humidity, the fluid should be replaced at more frequent intervals than specified in the Service Schedule.

Make sure that the highly corrosive brake fluid does not drip onto the paintwork. If it does, wash it off immediately with water.

WARNING

Brake fluid is poisonous and highly corrosive. In the event of accidental contact, wash the parts involved immediately with neutral soap and water, then rinse thoroughly. Call the doctor immediately if the fluid is swallowed.

WARNING

Symbol ◎ on the container indicates synthetic brake fluid, distinguishing it from the mineral kind. Using mineral fluids irreversibly damages the special braking system rubber seals.

AIR FILTER/ POLLEN FILTER

Air cleaner or pollen filter replacement shall be carried out at Alfa Romeo Authorized Services.

DIESEL FUEL FILTER

DRAINING THE CONDENSE

The presence of water in the fuel circuit can severely damage the injection system and make the engine misfire. If the warning light ⛽ turns on (together with a message on the display) contact Alfa Romeo Authorized Services as soon as possible to have the bleeding operation carried out. Should the warning light turn on after refuelling, water has probably been poured into the tank: turn the engine off immediately and contact Alfa Romeo Authorized Services.

BATTERY

The battery is of the "Limited maintenance" type: under normal conditions of use the electrolyte does not need topping up with distilled water.

Contact Alfa Romeo Authorized Services to have the battery checked/replaced.

CHECKING THE CHARGE fig. 12

The battery charge may be checked through the indicator **A** (where required) set on the battery cover and acting according to the colour the indicator shows.

Should the battery be not fitted with battery charge inspection device (optical electrolyte indicator), inspection operations shall be carried out by skilled personnel only.

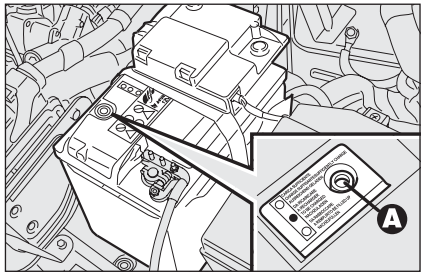

fig. 12

IMPORTANT The charge in the battery should be checked at the start of winter to limit the risk of electrolyte freezing. This check should be carried out more frequently if the car is used mainly for short trips, or if it is fitted with accessories that permanently absorb electricity even with the ignition key removed, especially in the case of after market accessories.

Bright white colour	Top up electrolyte	Contact Alfa Romeo Authorized Services
Dark colour without green area in the centre	Low charge level	Charge the battery (advisable to contact Alfa Romeo Authorized Services)
Dark colour with green area in the centre	Electrolyte level and charge sufficient	No action

After connecting/disconnecting the battery, wait for 3 minutes at least before starting the engine in order to allow the climate control system control unit to reset the positions of the electric actuators that adjust air temperature and distribution.

WARNING

The liquid in the battery is poisonous and corrosive. Avoid contact with eyes and skin. Do not bring naked flames or possible sources of sparks near to the battery: risk of fire and explosion.

WARNING

Running the battery with low fluid level can damage the battery beyond repair and could also cause its explosion.

REPLACING THE BATTERY

If required, replace the battery with a genuine spare part having the same specifications.

If a battery with different specifications is fitted, the service intervals given in the Service schedule in this section will no longer be valid.

Refer therefore to the instructions provided by the battery manufacturer.

Incorrect fitting of electrical and electronic accessories can seriously damage the car. If after buying the car, you want to install electric accessories which require permanent electric supply (alarm, free-hand phone kit, etc.) contact Alfa Romeo Authorized Services whose qualified personnel, in addition to suggesting the most suitable devices, will evaluate the overall electric absorption, checking whether the car's electric system is capable of withstanding the load required, or whether it should be integrated with a more powerful battery.

Batteries contain substances that are very harmful for the environment. You are advised to have the battery changed at Alfa Romeo Authorized Services, which is properly equipped for disposing of used batteries respecting nature and the law.

WARNING

If the car is left inactive for long periods at cold, remove the battery and store it in a warm place to prevent freezing.

WARNING

When working on the battery or near it, always wear the proper goggles.

USEFUL ADVICE FOR LENGTHENING THE LIFE OF YOUR BATTERY

To avoid draining your battery and lengthen its life, observe the following indications:

- ❒ when you park the car, ensure the doors, tailgate and bonnet are closed properly;
- ❒ the ceiling lights must be off. The car is however provided with an automatic system for switching off internal lights;
- ❒ do not keep accessories (e.g.: sound system, hazard lights, etc.) switched on for a long time when the engine is not running;
- ❒ before performing any operation on the electrical system, disconnect the battery negative terminal cable;
- ❒ battery terminals shall always be perfectly tightened.

IMPORTANT A battery which is kept at a charge of less than 50% (optical indicator with dark colour without green area in the middle) for any length of time will be damaged by sulphation leading to a reduction in cranking power.

Moreover, this might lead to a higher risk of the battery electrolyte freezing (this may even occur at −10°C). If the car is inactive for a long period of time, refer to "Car inactivity", in section "Correct use of the car".

If after buying the car, you want to install electric accessories which require permanent electric supply (alarm, etc.) contact Alfa Romeo Authorized Services whose qualified personnel, in addition to suggesting the most suitable devices available at Lineaccessori Alfa Romeo, will evaluate the overall electric absorption, checking whether the car's electric system is capable of withstanding the load required, or whether it should be integrated with a more powerful battery. In fact, since these devices continue absorbing energy even when the ignition key is off, they gradually run down the battery.

The total intake of these systems (factory and after-market) must be less than 0.6 mA x Ah (of the battery) as shown in the following table:

Battery	Maximum admitted stand-by intake
50 Ah	30 mA
60 Ah	36 mA
70 Ah	42 mA
90 Ah	54 mA

WHEELS AND TYRES

Check the pressure of each tyre, including the space-saver spare wheel, every four weeks and before long journeys: pressure should be checked with the tyre rested and cold.

For the correct tyre inflation pressure, see “Wheels” in “Technical specifications” section.

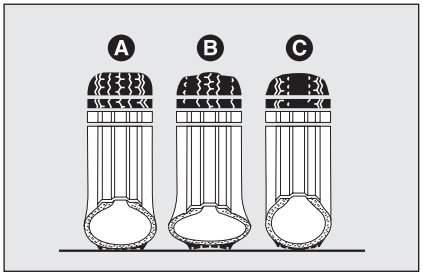

fig. 13

Incorrect pressure causes abnormal tyre wear **fig. 13**:

A normal pressure: tread evenly worn.

B low pressure: tread particularly worn at the edges.

C high pressure: tread particularly worn in the centre.

Tyres must be replaced when the tread wears down to 1.6 mm. In any case, comply with the laws in the country where the car is being driven.

IMPORTANT NOTES

As far as possible, avoid sharp braking and screech starts, etc. Be careful not to hit the kerb, potholes or other obstacles hard. Driving for long stretches over bumpy roads can damage the tyres.

Periodically check that the tyres have no cuts in the side wall, abnormal swelling or irregular tyre wear. If any of these occur, have the car seen to at Alfa Romeo Authorized Services.

Avoid overloading the car when travelling: this may cause serious damage to the wheels and tyres; if a tyre is punctured, stop immediately and change it to avoid damage to the tyre, the rim, suspensions and steering system.

Tyres age even if they are not used much. Cracks in the tread rubber are a sign of ageing. In any case, if the tyres have been on the car for over 6 years, they should be checked by specialised personnel, to see if they can still be used. Also remember to check the space-saver spare wheel.

In the case of replacement, always fit new tyres, avoiding those of dubious origin.

If a tyre is changed, also change the inflation valve; to allow even wear between the front and rear tyres, it is advisable to change them over every 10-15 thousand kilometres, keeping them on the same side of the car so as to not reverse the direction of rotation.

WARNING

Remember that road holding depends also on the correct tyre inflating pressure.

WARNING

Do not cross switch the tyres, moving them from the right of the car to the left and vice versa.

WARNING

If the pressure is too low the tyre overheats and this can cause it serious damage.

WARNING

Never submit alloy rims to repainting treatments requiring to use temperatures exceeding 150°C since the mechanical properties of the wheels could be impaired.

RUBBER HOSES

As far as the brake system and fuel rubber hoses are concerned, carefully follow the Service schedule in this section.

Indeed ozone, high temperatures and prolonged lack of fluid in the system may cause hardening and cracking of the hoses, with possible leaks. Careful control is therefore necessary.

WINDSCREEN WIPER

BLADES

Periodically clean the rubber part using special products **TUTELA PROFESSIONAL SC 35** is recommended.

If the rubber blades are bent or worn they should be replaced. In any case they should be changed once a year.

A few simple notions can reduce the possibility of damage to the blades:

- ❒ if the temperature falls below zero, make sure that ice has not frozen the rubber against glass. If necessary, thaw using an antifreeze product;
- ❒ remove any snow from the glass: in addition to protecting the blades, this prevents effort on the motor and overheating;
- ❒ do not operate the windscreen wipers on dry glass.

WARNING

Driving with worn wiper blades is a serious hazard, because visibility is reduced in bad weather.

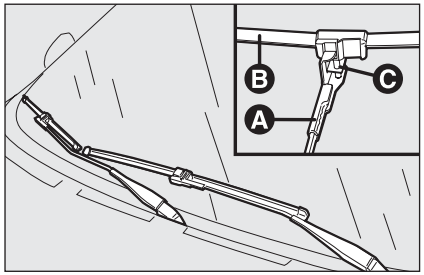

fig. 14

Changing the windscreen wiper blades fig. 14

How to remove the blade:

– raise the windscreen wiper arm **A**;

– turn the blade **B** by 90° around pin **C**, on the final section of the arm;

– remove the blade from the pin **C**.

How to refit the new blade:

– fit pin **C** into the hole in the middle of the blade **B**;

– refit the arm with the blade on the windscreen.

SPRAY NOZZLES

If the jet of fluid is missing, firstly check that there is fluid in the reservoir (see "Checking fluid levels" in this section).

Then check that the nozzle holes are not clogged, if necessary use a needle.

Fluid jets shall be directed at about 1/3 height from the window upper edge.

HEADLIGHT WASHERS

Regularly check that the spray jets are intact and clean.

The headlight washers are automatically switched on when the windscreen washer is operated and the dipped beams are on.

BODYWORK

PROTECTION FROM ATMOSPHERIC AGENTS

The main causes of corrosion are the following:

- ❒ atmospheric pollution;
- ❒ salty air and humidity (coastal areas, or hot humid climates);
- ❒ seasonal environment conditions.

Not to be underestimated is also the abrasive action of wind-borne atmospheric dust and sand and mud and gravel raised by other cars.

On your Alfa Spider, Alfa Romeo implemented the best manufacturing technologies to effectively protect the bodywork against corrosion.

These include:

- ❒ Painting products and systems which give the car particular resistance to corrosion and abrasion;
- ❒ Use of galvanised (or pretreated) steel sheets, with high resistance to corrosion;
- ❒ Spraying of plastic parts, with a protective function, in the most exposed points: underdoor, inner fender parts, edges, etc;
- ❒ Use of "open" boxed sections to prevent condensation and pockets of moisture from triggering rust inside;
- ❒ Use of special abrasion-proof films in the most exposed points (e.g.: rear fender, etc.).

BODY AND UNDERBODY WARRANTY

Your car is covered by warranty against perforation due to rust of any original element of the structure or body. For the general terms of this warranty, refer to the Alfa Romeo Warranty booklet.

ADVICE FOR PRESERVING THE BODYWORK

Paint

Paintwork does not only serve an aesthetic purpose, but also protects the underlying sheet metal.

In the case of deep scrapes or scores, you are advised to have the necessary touching up carried out immediately to avoid the formation of rust. Use only original paint products for touching up (see "Bodywork paint identification label" in section "Technical specification").

Normal paint maintenance consists in washing at intervals depending on the conditions and environment of use. For example, in highly polluted areas, or if the roads are sprayed with salt, it is wise to wash the car more frequently.

To wash the car correctly proceed as follows:

- ❒ remove the aerial from the roof to prevent damage to it if the car is washed in an automatic system;
- ❒ wash the body using a low pressure jet of water;
- ❒ wipe a sponge with a slightly soapy solution over the bodywork, frequently rinsing with the sponge;
- ❒ rinse well with water and dry with a jet of air or a chamois leather.

When drying, take particular care with the less visible parts like door surrounds, bonnet and around the headlights where water may stagnate. The car should not be taken to a closed area immediately, but left in the open so that residual water can evaporate.

Do not wash the car after it has been left in the sun or with the bonnet hot: this may alter the shine of the paintwork.

Detergents cause water pollution. Therefore the car should be washed in areas equipped for collecting and purifying the liquid used in the washing process.

Exterior plastic parts must be cleaned in the same way as the rest of the car.

Where possible, do not park under trees; the resinous substance many species release give the paint a dull appearance and increase the possibility of triggering rust processes.

IMPORTANT Bird droppings must be washed off immediately and thoroughly as the acid they contain is particularly aggressive.

Windows

Use specific window cleaner products. Use also clean cloths to avoid scratching the glass or damaging the transparency.

IMPORTANT The inside of the rearscreen should be wiped gently with a cloth in the direction of the filaments to avoid damaging the heating device.

Front headlights

Front headlights shall be washed with soft cloth moistened with water and car detergent.

IMPORTANT Cleaning headlight lenses with a dry cloth will damage the headlights with lack of performance as a consequence. Solvents mat the lenses with lack of performance as a consequence.

IMPORTANT When washing front headlights using a water nozzle, keep the water jet at 2 cm at least from lenses.

Engine compartment

At the end of the winter the engine compartment should be carefully washed, without directing the jet against electronic control units. Contact a specialised workshop to have this done.

IMPORTANT The car should be washed with the engine cold and the key removed from the ignition device. After washing make sure that the various protections (e.g. rubber caps and various covers) have not been damaged or removed.

INTERIORS

Periodically check that water is not trapped under the mats (due to water dripping off shoes, umbrellas, etc.) which could cause oxidisation of the sheet metal.

CLEANING SEATS AND FABRIC AND VELVET PARTS

Use a soft brush or vacuum cleaner to remove dust. Velvet is cleaned better if the brush is moistened.

Rub the seats with a sponge moistened with a solution of water and neutral detergent.

CLEANING LEATHER SEATS (optional for versions/ markets where applicable)

Remove dried on dirt with lightly moistened chamois leather or cloth without pressing too hard.

Remove liquid or grease stains with a dry absorbent cloth without rubbing. Then wipe with a soft cloth or chamois leather with water and neutral soap.

If the stain persists, use specific products, carefully following the instructions for use.

IMPORTANT Never use spirit or alcohol-based products.

Fabric upholstery of your car is purpose-made to withstand common wear resulting from normal use of the car. It is however absolutely necessary to prevent hard and/or prolonged scratching/scraping caused by clothing accessories like metallic buckles, studs, "Velcro" fixings, etc. that stressing locally the fabric could break yarns and damage the upholstery as a consequence.

INTERIOR PLASTIC PARTS

Clean plastic parts with a cloth mositened with water and non-abrasive neutral detergent. To remove grease or hard stains, use appropriate products designed to preserve the appearance of components.

IMPORTANT Never use spirit or petroleum to clean the instrument panel or other plastic parts.

WARNING

Never use flammable products like oil ether or rectified petrol for cleaning car interiors. Electrostatic discharges generated by rubbing during cleaning operations could cause fire.

WARNING

Do not keep aerosol cans in the car: they might explode. Aerosol cans must never be exposed to a temperature above 50°C. The temperature inside the car exposed to the sun may go well beyond that figure.

STEERING WHEEL/ GEAR LEVER KNOB WITH GENUINE LEATHER COVERING (optional for versions/ markets where applicable)

These components shall only be cleaned with water and neutral soap. Never use spirit or alcohol-based products.

Before using special products for cleaning interiors, read carefully label instructions and indications to make sure they are free from spirit and/or alcohol-based substances.

If when cleaning the windscreen with special glass products, some drops fall on the leather covering of the steering wheel/gear lever knob remove them immediately and then clean with water and neutral soap.

IMPORTANT Take the utmost care when engaging the steering lock to prevent scratching the leather covering.

TECHNICAL SPECIFICATIONS

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IDENTIFICATION DATA

You are advised to note the identification codes. The identification data stamped and given on the plates and their position are the following **fig. 1**:

1 - Identification label

2 - Body label

3 - Bodywork paint identification label

4 - Engine label.

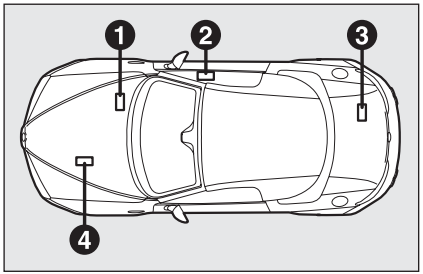

fig. 1 A0G0286m

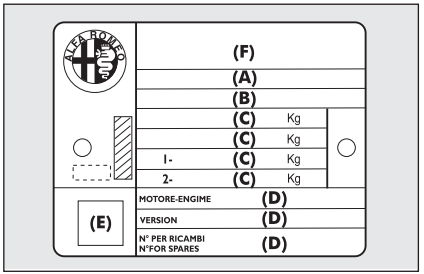

fig. 2 A0G0013m

IDENTIFICATION LABEL

This is to be found in the engine compartment, aside the upper right shock-absorber connection and it bears the following identification data:

A. Space for details of national homologation

B. Space for punching the consecutive chassis number

C. Space available for maximum weights authorised by various national regulations

D. Space for version and any supplementary indications to those specified

E. Space for smoke coefficient (diesel versions only)

F. Space for punching the Manufacturer's name.

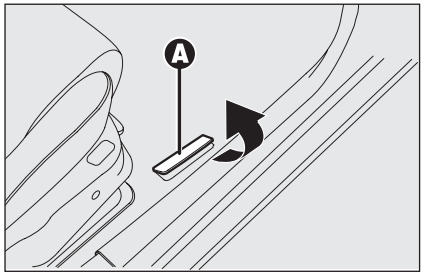

fig. 3 A0G0175m

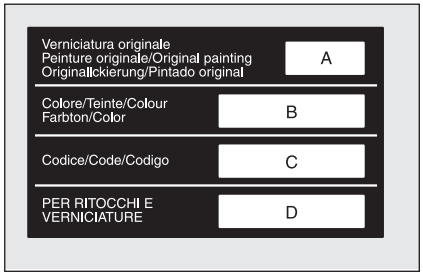

fig. 4 A0G0222m

BODYWORK LABEL

This is located on the passenger compartment floor near the front passenger's seat.

It can be reached by raising cover **A-fig. 3** and it includes:

❒ type of vehicle (ZAR 939000);

❒ Manufacturer's serial number (chassis number).

BODYWORK PAINT IDENTIFICATION LABEL

This is located in the inner side of the tailgate **fig. 4** and it includes:

A. Paint manufacturer

B. Name of colour

C. Colour code.

D. Colour code for touching up and respraying.

ENGINE MARKING

Engine marking is stamped on the gearbox side, on the rear left side.

ENGINE CODES - BODYWORK VERSIONS

Versions	Engine code	Bodywork version
2.2 JTS	939A5000	939EXB1B 19
3.2 JTS 4x2	939A000	–
3.2 JTS 4x4	939A000	939EXG2B 28
2.4 JTDM	939A9000	–

ENGINE

GENERAL		2.2 JTS	3.2 JTS	2.4 JTDM
Engine code		939A5000	939A000	939A9000
Cycle		Otto	Otto	Diesel
Number and layout of cylinders		4 in line	6 in 60° V	5 in line
Valves per cylinder		4	4	4
Piston bore and stroke	mm	86 X 94.6	85.6 X 89	82 x 90.4
Total displacement	cm^3	2198	3195	2387
Maximum power (EEC)	kW HP	136 185	191 260	154 210
corresponding ratio	rpm	6500	6300	4000
Maximum torque (EEC)	Nm kgm	230 23.4	322 32.8	400 40.8
corresponding ratio	rpm	4500	4500	2000
Spark plugs		NGKFR5CP	BOSCH HR7MPP152	–
Fuel		Unleaded petrol 95 RON (Specification EN228)	Unleaded petrol 95 RON (Specification EN228)	Diesel fuel for motor vehicles (Specification EN590)

To change plugs contact Alfa Romeo Authorized Services.

FUEL FEED/IGNITION

	2.2 JTS - 3.2 JTS	2.4 JTDM
Fuel feed	Direct injection	Multijet direct injection, variable geometry turbosupercharger and intercooler

Modifications or repairs to the fuel feed system that are not carried out properly or do not take the system's technical specifications into account can cause malfunctions leading to the risk of fire.

TRANSMISSION

	2.2 JTS - 2.4 JTDM - 3.2 JTS 4x2	3.2 JTS 4x4
Gearbox	Six forward gears + reverse and synchronisers for forward speeds	Six forward gears + reverse and synchronisers for forward speeds
Clutch	Dry single disk with hydraulic control	Dry single disk with hydraulic control
Drive	Front drive	Four-wheel drive

IMPORTANT In the event of significant difference in grip between front and rear axle, do not insist with hard accelerations but let the engine run at medium-low rpm, with pauses of a few seconds if several attempts are required.

BRAKES

	2.2 JTS	3.2 JTS - 2.4 JTDM
Service brakes:		
– front	Disc, self-ventilating	Disc, self-ventilating
– rear	Disc	Disc, self-ventilating
Parking brake	Controlled by hand lever, it works on rear brakes	

IMPORTANT Water, ice and antifreeze salt on roads may deposit on the brake discs thus reducing braking efficiency at first braking.

STEERING

	2.2 JTS - 3.2 JTS - 2.4 JTDM
Type	Rack and pinion with hydraulic power steering
Turning radius (between pavements)	10.7

SUSPENSIONS

	2.2 JTS - 3.2 JTS - 2.4 JTDM
Front	High quadrilateral system
Rear	Multi-link system

WHEELS

RIMS AND TYRES

Alloy rims. Tubeless tyres with radial carcass. The homologated tyres are listed in the Log book.

IMPORTANT In the event of discrepancies between the information provided on this "Owner's Manual" and the "Log book", consider the specifications shown in the log book only.

Four-wheel drive cars shall be fitted with tyres of the same type, same tread and same make to prevent damaging 4-wheel drive system. The effectiveness of the 4-wheel drive system however, is not affected by different wear conditions of tyres.

To ensure safety of the car in movement, it must be fitted with tyres of the same make and type on all wheels.

IMPORTANT Do not use inner tubes with Tubeless tyres.

SPACE-SAVER SPARE WHEEL

Pressed steel rim. Tubeless tyre.

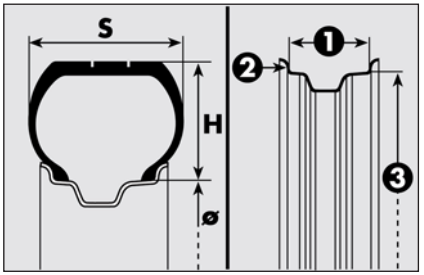

fig. 5

UNDERSTANDING TYRE MARKING fig. 5

Example: 215/55 R 16 93 V

215 = Nominal width (**S**, distance between sidewalls in mm).

55 = Percentage height/width ratio (**H/S**).

R = Radial tyre.

16 = Rim diameter in inches (**Ø**).

93 = Load rating (capacity).

V = Maximum speed index.

Load rating (capacity)

60 = 250 kg
61 = 257 kg
62 = 265 kg
63 = 272 kg
64 = 280 kg
65 = 290 kg
66 = 300 kg
67 = 307 kg
68 = 315 kg
69 = 325 kg
70 = 335 kg
71 = 345 kg
72 = 355 kg
73 = 365 kg
74 = 375 kg
75 = 387 kg
76 = 400 kg
77 = 412 kg
78 = 425 kg
79 = 437 kg
80 = 450 kg
81 = 462 kg
82 = 475 kg
83 = 487 kg
84 = 500 kg
85 = 515 kg
86 = 530 kg
87 = 545 kg
88 = 560 kg
89 = 580 kg
90 = 600 kg
91 = 615 kg
92 = 630 kg
93 = 650 kg
94 = 670 kg
95 = 690 kg
96 = 710 kg
97 = 730 kg
98 = 750 kg
99 = 775 kg
100 = 800 kg
101 = 825 kg
102 = 850 kg
103 = 875 kg
104 = 900 kg
105 = 925 kg
106 = 950 kg

Maximum speed rating

Q = up to 160 km/h.
R = up to 170 km/h.
S = up to 180 km/h.
T = up to 190 km/h.
U = up to 200 km/h.
H = up to 210 km/h.
V = up to 240 km/h.
W = up to 270 km/h.
Y = up to 300 km/h.

Maximum speed rating for snow tyres

Q M + S = up to 160 km/h.
T M + S = up to 190 km/h.
H M + S = up to 210 km/h.

UNDERSTANDING RIM MARKING fig. 5

Example: 7 J x 16 H2 ET 43

7 = rim width in inches **1**.

J = rim drop center outline (side projection where the tyre bead rests) **2**.

16 = rim nominal diameter in inches (corresponds to diameter of the tyre to be mounted) (**3** = **Ø**).

H2 = "hump" shape and number (relief on the circumference holding the Tubeless tyre bead on the rim).

43 = wheel camber angle (distance between the disc/rim supporting plane and the wheel rim centre line).

TYRES

		2.2 JTS		3.2 JTS	2.4 JTDM
Standard tyres	rim tyre	7Jx16" alloy (**) 215/55 R16 93V		7,5Jx17" (*) alloy 225/50 R17 98W	7,5Jx17" (*) alloy 225/50 R17 98W
Optional	rim tyre	7,5Jx17" alloy 225/50 R17 98W		8Jx19" alloy 235/40 ZR19 96Y (▼)	8Jx19" alloy 235/40 ZR19 96Y (▼)
	rim tyre	8Jx18" alloy 235/45 R18 98W	8Jx19" alloy 235/40 ZR19 96Y (▼)	8Jx18" alloy 235/45 R18 98W	8Jx18" alloy 235/45 R18 98W
Space-saver spare wheel (for versions/ markets where applicable)	rim tyre	4,00B x17" T125/80 R17			

(*) Tyres that cannot be fitted with traditional snow chains. Only "spider" type chains can be used.

(**) Vehicles with "Red brake caliper" opt should not use 16" wheel rims.

WARNING Snow tyres with speed index **H** are recommended.

(▼) Unchainable tyres. Size certified and admitted only for PIRELLI 235/40 ZR19 96Y. When using winter tyres, use 225/50 R17 98 tyres or 235/45 R18 98.

Also for 3.2 JTS version, snow chains shall be fitted on the FRONT axle of the car.

Only "spider" type chains can be used on tyres 225/50 R17".

Tyres 235/45 R18" cannot be fitted with snow chains due to interference with the fender.

COLD TYRE INFLATION PRESSURE

		Tyres **215/55 R16 93V**		Tyres **225/50 R17 98W**		Tyres **235/45 R18 98W**		Tyres **235/40 ZR19 96Y (▼)**		Sapce-saver spare wheel **T125/80 R17**
		front	rear	front	rear	front	rear	front	rear	
average load	bar	2.3	2.3	2.5	2.5	2.7	2.5	2.7	2.5	4.2
full load	bar	2.6	2.6	2.7	2.7	2.8	2.6	2.9	2.7	

Add +0.3 bar to the prescribed inflation pressure when the tyres are warm. Recheck pressure value with cold tyres.

With snow tyres, add +0.2 bar to the inflation pressure value prescribed for standard tyres.

Inflate tyres to full load pressures if driving at continuous speed exceeding 160 km/h.

(▼) Unchainable tyres. Size certified and admitted only for PIRELLI 235/40 ZR19 96Y. When using winter tyres, use 225/50 R17 98 tyres or 235/45 R18 98.

WHEEL GEOMETRY

		2.2 JTS - 2.4 JTDm versions
front wheels:	– camber	–34′ ± 18′ max. difference right/left: 24′
	– caster	4° 15′ ± 18′ max. difference right/left: 18′
	– half toe-in 16″ rim (*) 17″ rim (*) 18″ rim (*)	 –0.95 ± 0.5 mm –1.00 ± 0.5 mm –1.05 ± 0.5 mm′
Rear wheels:	– camber	–56′ ± 18′ max. difference right/left: 24′
	– half toe-in 16″ rim (*) 17″ rim (*) 18″ rim (*)	 –1.54 ± 0.9 mm –1.63 ± 0.9 mm –1.73 ± 0.9 mm

		3.2 JTS versions
Front wheels:	– camber	–26′ ± 18′ max. difference right/left: 24′
	– caster	4° 15′ ± 18′ max. difference right/left: 18′
	– half toe-in 16″ rim (*) 17″ rim (*) 18″ rim (*)	 –0.95 ± 0.5 mm –1.00 ± 0.5 mm –1.05 ± 0.5 mm
Rear wheels:	– camber	–58′ ± 18′ max. difference right/left: 24′
	– half toe-in 16″ rim (*) 17″ rim (*) 18″ rim (*)	 –1.54 ± 0.9 mm –1.63 ± 0.9 mm –1.73 ± 0.9 mm

(*) values in degrees: – 8′ ± 4′ (maximum right/left difference: 4′)
(**) values in degrees: 13′ ± 7′ (total toe-in: 26′ ± 7′)

DIMENSIONS

Dimensions are expressed in mm and refer to the car fitted with standard tyres.

Min. size variations when optional tyres are fitted.

The height refers to the car unladen.

BOOT VOLUME

Boot volume: . . . 200 dm^3 (without wheel compartment)

253 dm^3 (with wheel compartment)

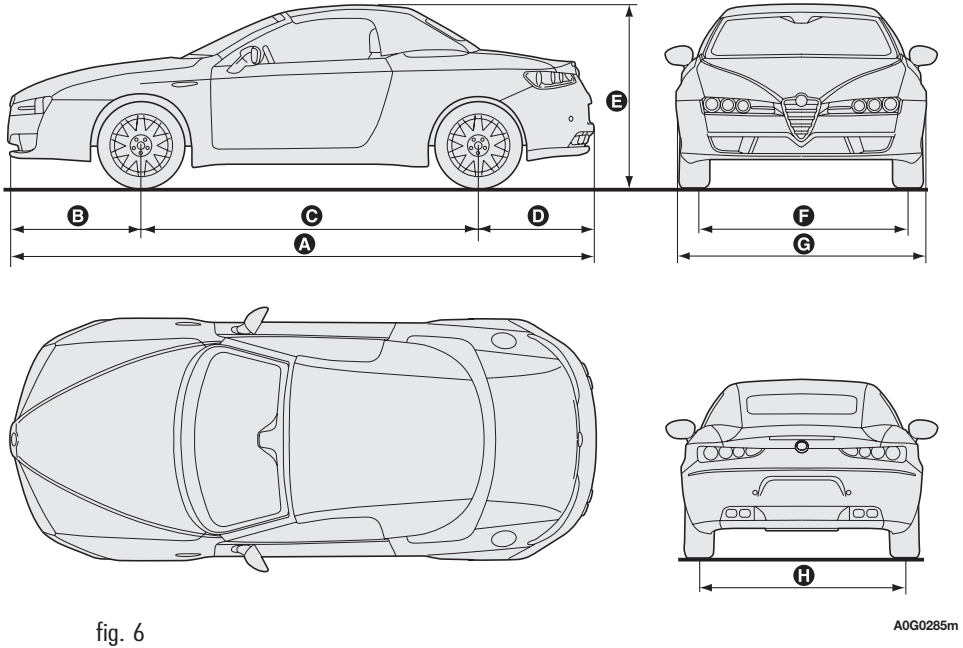

fig. 6

A	B	C	D	E	F	G	H
4393	1000	2528	865	1318 (▲) 1370 (•)	1593 1579 (■)	1830	1575 1559 (■)

(■) With 225/50 R17" tyres
(▲) With top open
(•) With top close

PERFORMANCE

	Top speed km/h	Acceleration from 0-100 km/h sec.	Kilometer with standing start sec.
2.2 JTS	224	8.8	29.6
3.2 JTS 4x2	250 (*)	7.2	27.2
3.2 JTS 4x4	244	7.0	27.5
2.4 JTDM	231	8.1	28.7

(*) With Michelin 17" tyre

WEIGHTS

Weights (kg)	2.2 JTS	3.2 JTS 4x2	3.2 JTS	2.4 JTDM
Weight empty (including fluids, 90% fuel in the tank and no optional)	1505	1600	1665	1635
Maximum admitted load (*)				
— front axle	1100	1200	1200	1200
— rear axle	1050	1050	1050	1050
— total	1855	1950	2015	1985
Payload including driver (**)	350	350	350	350
Towable loads	1450	1500	1500	1500
Max. load on ball	60	60	60	60

(*) Loads not to be exceeded. The driver is responsible for arranging the loads in the boot an/or on the roof so that they comply with these limits.

(**) If special equipment is fitted (sunroof, tow hitch etc.) the unladen weight increases, thus reducing the payload as specified in the maximum weight allowed.

CAPACITIES

		2.2 JTS	3.2 JTS	2.4 JTDM	Recommended products and genuine lubricants
Fuel tank: — including a reserve of	litres litres	70 ● 10 ●	70 ● 10 ●	70 ❍ 10 ❍	● Unleaded petrol with no less than 95 R.O.N. (EN228 Specification) ❍ Diesel fuel for motor vehicles (EN590 Specification)
Engine cooling system	litres	8.15	10.3	7.35	Mixture of 50% water and **PARAFLU UP** (▲)
Engine greasing system	litres	5.4 ■	5.4 ■	6.4 ❑	■ **SELENIA StAR** ❑ **SELENIA WR**
Mechanical gearbox/ differential	litres	2.3 ■	2.8	2.8	**TUTELA CAR MATRYX**
Windscreen and headlight fluid reservoir washer	litres	6.0	6.0	6.0	Mixture of water and **TUTELA PROFESSIONAL SC 35**

(▲) For particularly hard climate conditions, we recommend use of a 60% **PARAFLU UP** and 40% demineralized water mixture.

FLUIDS AND LUBRICANTS

RECOMMENDED PRODUCTS AND THEIR SPECIFICATIONS

Use	Fluid and lubricant specifications for correct car operation	Original fluids and lubricants	Change
Lubricants for petrol engines	Synthetic-based oils, grade SAE 5W-40, **FIAT 9.55535-H2** qualification	**SELENIA StAR** Contractual Technical Reference N° F216.D05	According to Service Schedule
Lubricants for diesel engines	Synthetic-based oils, grade SAE 5W-40, **FIAT 9.55535-N2** qualification	**SELENIA WR** Contractual Technical Reference N° F515.D06	According to Service Schedule

For diesel engines, in the event of emergencies when genuine products are not available, lubricants providing at least ACEA B4 performance are allowed; in that case, engine best performance is not guaranteed; we recommend to have it replaced as soon as possible with the recommended lubricants by the Alfa Romeo Authorized Services.

Use of products with low-quality properties than ACEA A3 and ACEA B4 could cause damages to the engine that are not covered by the warranty.

For very cold climate conditions, ask Alfa Romeo Authorized Service for the appropriate **Selenia** product to use.

Use	Fluid and lubricant specifications for correct car operation	Genuine fluids and lubricants	Applications
Lubricants for transmission	Synthetic-based oil, grade SAE 75W-85 that passes API GL 4 specifications **FIAT 9.55550-MZ1** qualification	**TUTELA CAR MATRYX** Contractual Technical Reference N° F108.F02	Mechanical gearbox and differential
	Synthetic-based oil, grade SAE 75W-85 that passes API GL-5 specification, ZF-TE ML 18 **FIAT 9.55550-DA3** qualification	**TUTELA MULTIAXLE** Contractual Technical Reference N° F426.E06	Rear differential and transmission unit (3.2 JTS versions)
	Lubricant for automatic transmissions that passes "ATF DEXRON III" specification. **FIAT 9.55550-AG2** qualification.	**TUTELA GI/E** Contractual Technical Reference N° F001.C94	Power steering
	Grease containing Molybdenum bisulphide for high temperature appliances. N.L.G.I. 1-2 consistency. **FIAT 9.55580** qualification.	**TUTELA ALL STAR** Contractual Technical Reference N° F702.G07	CV joints on wheel side
	Grease for homokinetic joints with low friction coefficient. NLGI 0-1 consistency. **FIAT 9.55580** qualification.	**TUTELA STAR 700** Contractual Technical Reference N° F701.C07	CV joints on differential side
	Synthetic fluid for hydraulic and electro-hydraulic systems **FIAT 9.55550-AG3** qualification	**TUTELA GI/R** Contractual Technical Reference N° F428.H04	Top hydraulic operation
Brake fluid	Synthetic fluid for Brake and clutch controls FMVSS n° 116 DOT 4, ISO 4925, SAE J1704, CUNA NC 956-01 **FIAT 9.55597** qualification.	**TUTELA TOP 4** Contractual Technical Reference N° F001.A93	Hydraulic brake and clutch controls
Protective agent for radiators	Protective with antifreeze action, red colour based on inhibited monoethylen glycol and organic formula, that passes CUNA NC 956-16, ASTM D 3306 specifications. **FIAT 9.55523** qualification.	**PARAFLU UP** Contractual Technical Reference N° F101.M01	Cooling circuits Proportion: 50% water and 50% **PARAFLU UP** (❑)
Additive for diesel fluid	Additive for diesel fuel, protecting Diesel engines	**TUTELA DIESEL ART** Contractual Technical Reference N° F601.L06	To be mixed with fuel oil (25 cc per 10 litres)
Windscreen/ headlight washer fluid	Mixture of alcohol, water and surfactants CUNA NC 956-11 **FIAT 9.55522** qualification.	**TUTELA PROFESSIONAL SC 35** Contractual Technical Reference N° F201.D02	To be used diluted or undiluted

(❑) For particularly hard climate conditions, we recommend use of a 60% **PARAFLU UP** and 40% demineralized water mixture.

FUEL CONSUMPTION

The fuel consumption figures given in the table below are determined on the basis of the homologation tests set down by specific European Directives.

The procedures below are followed for measuring consumption:

– **urban cycle**: cold starting followed by driving that simulates urban use of the car;

– **extra-urban cycle**: frequent accelerating in all gears, simulating extraurban use of the car; the speed varies between 0 and 120 km/h;

– **combined consumption**: is calculated weighing about 37% of urban cycle consumption and about 63% of extraurban consumption.

IMPORTANT The type of route, traffic situations, weather conditions, driving style, general conditions of the car, trim level/equipment/accessories, load, climate control system, roof rack, other situations that affect air drag may lead to different fuel consumption levels than those measured.

Fuel consumption according to 2004/3/EC Directive (litres x 100 km)	Urban	Extra-urban	Combined
2.2 JTS	12.8	7.1	9.2
3.2 JTS 4x2	16.5	7.9	11,1
3.2 JTS 4x4	16.9	8.4	11.5
2.4 JTDM	9.2	5.4	6.8

CO_2 EMISSIONS

The CO_2 emission levels given in the following table refer to combined consumption.

CO_2 EMISSIONS ACCORDING TO 2004/3/EC DIRECTIVE (g/km)

2.2 JTS	3.2 JTS 4x2	3.2 JTS 4x4	2.4 JTDM
218	262	272	179

RADIO FREQUENCY REMOTE CONTROL: Ministerial Certifications

	Certification number	
	T939	**NTR939**
European Union and Countries applying EC directive	CE 0523	CE 0523
Argentina	❒	❒
Australia	—	N15278
Brazil	❒ ANATEL HHHH-AA-FFFF	❒ ANATEL HHHH-AA-FFFF
Bulgaria		
China	CMII ID : 2006DJ0352	CMII ID : 2006DJ0351

❒ Data unavailable at the time of printing.

	Certification number	
	T939	**NTR939**
Malaysia	❒	❒
Mexico	YYYYXXXX-XXX ❒	YYYYXXXX-XXX ❒
Morocco	AGREE PAR L'ANRT MAROC Numéro d'agrément : MR 2395 ANRT 2006 Date d'agrément : 13/01/2006	AGREE PAR L'ANRT MAROC Numéro d'agrément : MR 2394 ANRT 2006 Date d'agrément : 13/01/2006
Singapore	**Complies with IDA Standards DA 104022**	**Complies with IDA Standards DA 104022**
South Africa	ICASA TA-2005/701 APPROVED	ICASA TA-2005/702 APPROVED
Taiwan	CCAB06LP4430T9	CCAB06LP4440T2

❒ Data unavailable at the time of printing.

Gruppo TRW Automotive
Divisione Body Control Systems Europe & Emerging Markets
TRW Automotive Italia S.p.A.
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DECLARATION OF CONFORMITY

CE 0523

This declaration is the responsibility of the manufacturer / authorised representative within the Community :

TRW Automotive Italia S.p.A.
BCS Europe and Emerging Markets
Via Miraflores, 20 Nichelino-TO- I-10042 ITALY

(Name / Address)

This certifies that the following designated product

T 939
(Product identification)

complies with the essential protection requirements of R&TTE Directive 1999/5/ EC on the approximation of the laws of the Member States relating to ***Radio Spectrum Matters, EMC*** and ***Electrical Safety.***

This declaration applies to all specimens manufactured in accordance with the technical documentation described in the annex II. TRW Automotive Italia S.p.A. keep this documentation at the proposal of the relevant national authorities of any Member State for inspection purpose.

Assessment of compliance of the product with the essential requirements according to the Article 3 R&TTE was based on Annex IV of the Directive 1999/5/ EC and the following standards:

Radio Spectrum : EN 300 220-1&3
(Identification of regulations / standards)

EMC : EN 301 489 Part 1&3
(Identification of regulations / standards)

Safety : EN 60950
(Identification of regulations / standards)

The Transmitter **T 939** uses the frequency 433.92MHz which is harmonised throughout the Community. This device is licence exempt and may be distributed in the European countries which apply the R&TTE directive

Nichelino 2005, 14th Mar
(Place, date)

(Signature)

Giuseppe ROSSI
(Name in block letters)

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Codice Fiscale e Registro Imprese di Torino n. 04867880017
Partita IVA n. 04867880017
Cap. Soc. € 10.075.000 interamente versato

Gruppo TRW Automotive
Divisione Body Control Systems Europe & Emerging Markets
TRW Automotive Italia S.p.A.
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BCS Europe and Emerging Markets
Via Miraflores, 20 Nichelino-TO- I-10042 ITALY

(Name / Address)

This certifies that the following designated product

NTR 939
(Product identification)

complies with the essential protection requirements of R&TTE Directive 1999/5/ EC on the approximation of the laws of the Member States relating to ***Radio Spectrum Matters, EMC*** and ***Electrical Safety.***
This declaration applies to all specimens manufactured in accordance with the technical documentation described in the annex II. TRW ITALIA S.p.A. keep this documentation at the proposal of the relevant national authorities of any Member State for inspection purpose.
Assessment of compliance of the product with the essential requirements according to the Article 3 R&TTE was based on Annex IV of the Directive 1999/5/ EC and the following standards:

Radio Spectrum : EN 300 220-1&3. EN 300 330-2
(Identification of regulations / standards)

EMC : EN 301 489 Part 1&3
(Identification of regulations / standards)

Safety : EN 60950
(Identification of regulations / standards)

The Transceiver **NTR 939** uses the frequencies 433.92MHz & 125kHz which are harmonised throughout the Community. This device is licence exempt and may be distributed in the European countries which apply the R&TTE directive

Nichelino 2005, 14th Mar
(Place, date)

(Signature)

Giuseppe ROSSI
(Name in block letters)

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DASHBOARD

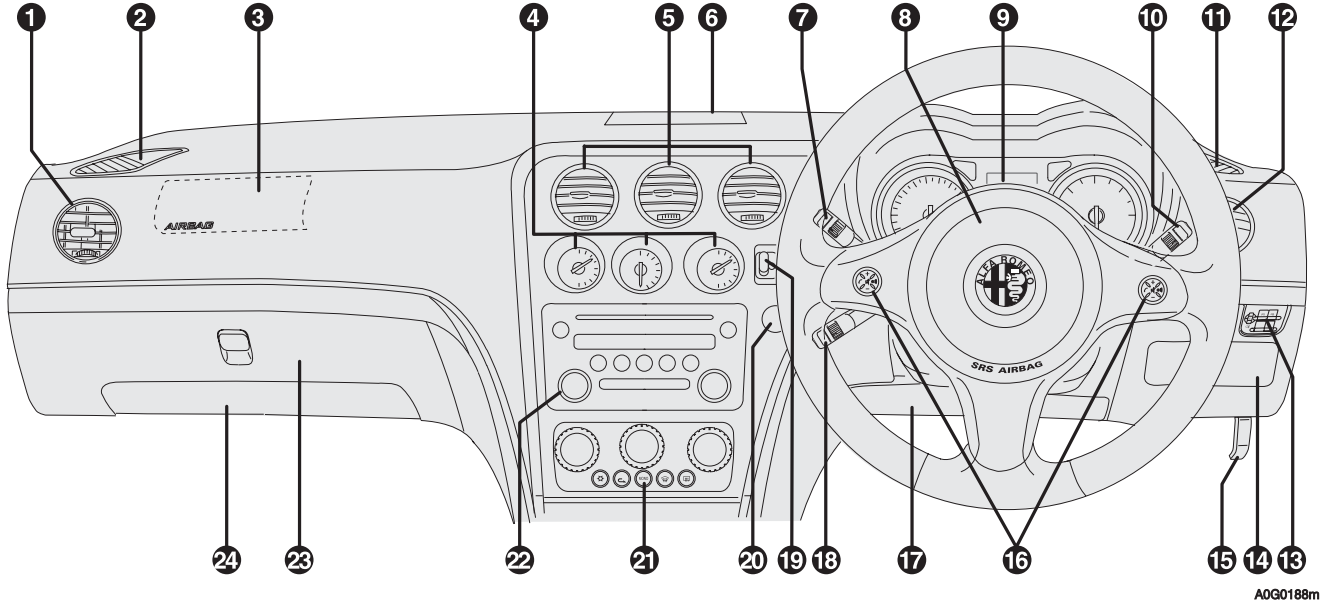

fig. 1

1. Adjustable swivel side air vents - **2.** Front side window demisting/defrosting vents - **3.** Passenger's air bag - **4.** Fuel level gauge/engine coolant temperature gauge/engine oil temperature gauge (petrol versions) or turbocharger pressure gauge (diesel versions) - **5.** Adjustable swivel centre air vents - **6.** Upper central vent - **7.** External lights control lever - **8.** Driver's air bag and horn - **9.** Instrument panel - **10.** Windscreen wiper control lever - **11.** Front side window demisting/defrosting vents - **12.** Adjustable swivel side air vents - **13.** Switches for external lights, trip meter reset and headlamp aiming device. - **14.** Dashboard fusebox lid - **15.** Bonnet opening lever - 16. Sound system controls on the steering wheel (where provided) - **17.** Driver's knees air bag - **18.** Cruise Control lever (where provided) - **19.** Ignition device - **20.** Engine **START/STOP** button - **21.** Heating/ventilation/climate controls - **22.** Sound system (where provided) - **23.** Glove box - **24.** Passenger's knees air bag (where provided)

INSTRUMENT PANEL

A. Speedometer

B. Warning lights

C. Rev counter

D. Reconfigurable multifunction display

Warning lights on diesel versions only

On diesel versions the rev counter end scale value is at 6000 rpm.

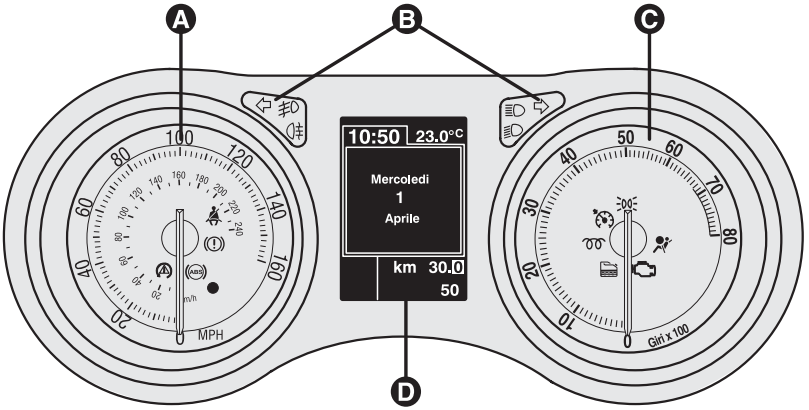

fig. 2

A0G0133m

PROVISIONS FOR THE PROCESSING OF A VEHICLE AT THE END OF ITS LIFE-CYCLE

For years now Alfa Romeo has been developing its global commitment towards the safeguarding and protection of the Environment through the continuous improvement of its production processes and the making of increasingly more "eco friendly" products. With a view to guaranteeing the best possible service to clients in full observance of environmental standards and in response to the obligations imposed by European Directive 2000/53/EC on end-of-life vehicles, Alfa Romeo offers its clients the possibility to hand in their vehicle* at the end of its life span without additional costs.

The European Directive, in fact, provides for the take-back of the vehicle without the last holder or owner of the same incurring expenses due to the fact that the market value of the vehicle is zero or negative. In particular, in almost all of the countries of the European Union, up until 1st January 2007, take-back of the vehicle free of charge only applies to vehicles registered from 1 July 2002 on, while, from 2007 on, take-back will be carried out free of charge, independently of the year of registration, provided that the vehicle still contains all its essential component parts (especially engine and body) and is free from additional waste materials.

Our contracted network of authorised treatment facilities has been carefully selected in order to provide a quality service to our customers by de-polluting and recycling "End of Life Vehicles" to approved environmental standards. To find out the location of your nearest authorised treatment facility, offering free of charge take-back, simply contact one of our dealers or refer to the Alfa Romeo web site or call the toll free number 00800 2532 0000.

* Passenger transportation vehicles to seat a max. of nine persons, having a total admissible weight of 3.5 t

SELÈNIA®

In the heart of those who race.
At the heart of your engine.

Always ask your mechanic for SELÈNIA®

Your car is factory filled with Selenia

The engine of your car is factory filled with ***Selenia.***
This is an engine oil range which satisfies the most advanced international specifications. Its superior technical characteristics allow ***Selenia*** *to guarantee the* ***highest performance*** *and* ***protection of your engine****.*

The Selenia range includes a number of technologically advanced products:

SELENIA StAR
High performance lubricant developed to protect the engine even when operated at the most extreme temperatures generated during sports style driving. Its unique formulation maximizes the performance of high specific power engines, improves cold starting and maintains constant viscosity levels during oil change intervals. Specific Selenia formulation for Alfa Romeo.

SELENIA 20K Alfa Romeo
It guarantees maximum wear protection and performance of aspirated, turbo charged and multivalve engines.
Specific Selenia formulation for Alfa Romeo.

SELENIA RACING
This lubricant has been developed as a result of Selenia's extensive experience in track and rally competitions, it maximises engine performance in all kinds of competition use.

SELENIA DIGITECH
Fully synthetic lubricant for petrol and diesel engines.
Its advanced technology guarantees maximum protection, a reduction of consumption and reliability in extreme climate conditions.

SELENIA WR
Oil specifically designed for common rail and Multijet engines. Particularly effective during cold starts, it guarantees maximum wear protection and hydraulic tappets control, reduction in consumption and stability at high temperatures.

The range also includes Selenia 20K, Selenia TD, Selenia Performer Multipower and Selenia Performer 5W-40.

For further information on Selenia products visit the web site www.flselenia.com.

COLD TYRE INFLATION PRESSURE

		Tyres 215/55 R16 93V		Tyres 225/50 R17 98W		Tyres 235/45 R18 98W		Tyres 235/40 ZR19 96Y (▼)		Sapce-saver spare wheel T125/80 R17
		front	rear	front	rear	front	rear	front	rear	
average load	bar	2.3	2.3	2.5	2.5	2.7	2.5	2.7	2.5	4.2
full load	bar	2.6	2.6	2.7	2.7	2.8	2.6	2.9	2.7	

Add +0.3 bar to the prescribed inflation pressure when the tyres are warm. Recheck pressure value with cold tyres.
With snow tyres, add +0.2 bar to the inflation pressure value prescribed for standard tyres.
Inflate tyres to full load pressures if driving at continuous speed exceeding 160 km/h
(▼) Unchainable tyres. Size certified and admitted only for PIRELLI 235/40 ZR19 96Y. When using winter tyres, use 225/50 R17 98 tyres or 235/45 R18 98.

ENGINE OIL REPLACEMENT (litres)

	2.2 JTS - 3.2 JTS	2.4 JTDM
Engine sump and filter	5.4	6.4

Do not discard used oil in the environment.

REFUELLING (litres)

	2.2 JTS - 3.2 JTS - 2.4 JTDM
Fuel tank capacity	70
Reserve	10

Only refuel with unleaded petrol with octane rating (RON) not less than 95.
For cars with diesel engine, only use diesel fuel for motor vehicles (Specification EN590).

SERVICE

CUSTOMER SERVICES
TECHNICAL SERVICES - SERVICE ENGINEERING
Largo Senatore G. Agnelli, 5 - 10040 Volvera - Torino (Italia)
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