GRANDE PUNTO ABARTH

OWNER HANDBOOK

Dear Customer,

Thank you for selecting Abarth and congratulations on your choice of a Grande Punto Abarth.

We have written this handbook to help you get to know all your new Grande Punto Abarth features and use it in the best possible way.

You should read it right through before taking the road for the first time.

You will find information, tips and important warnings regarding the driving of your car to help you derive the maximum from your Grande Punto Abarth technological features.

You are recommended to read carefully the warnings and indications, marked with the respective symbols, at the end of the page:

 personal safety;

 the car's wellbeing;

 environmental protection.

The enclosed Warranty Booklet lists the services that Abarth offers to its Customers:

❒ the Warranty Certificate with terms and conditions for maintaining its validity

❒ the range of additional services available to Abarth Customers.

Best regards and good motoring!

This Owner Handbook describes all Grande Punto Abarth versions.
As a consequence, you should consider only the information which is related to the engine and bodywork version of the car you purchased.

MUST BE READ!

REFUELLING

Only refuel with unleaded petrol with octane rating (RON) not less than 95 conforming to the European specification EN 228.

ENGINE STARTING

Make sure that the handbrake is engaged; set the gearshift lever to neutral; fully depress the clutch without pressing the accelerator, then turn the ignition key to **AVV** and release it as soon as the engine has started.

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

The car is fitted with a system that allows continuous diagnosis of the components correlated with emissions to ensure better respect for the environment.

ELECTRICAL ACCESSORIES

If, after buying the car, you decide to add electrical accessories (that will gradually drain the battery), visit a Abarth Dealership. They can calculate the overall electrical requirement and check that the car's electric system can support the required load.

CODE card

Keep the code card in a safe place, not in the car. You should always keep the electronic card code written on the CODE card with you.

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) ⚠ (the car's wellbeing).

DASHBOARD AND CONTROLS

DASHBOARD

LEFT HAND DRIVE VERSION

The presence and the position of the instruments and warning lights may vary according to the versions.

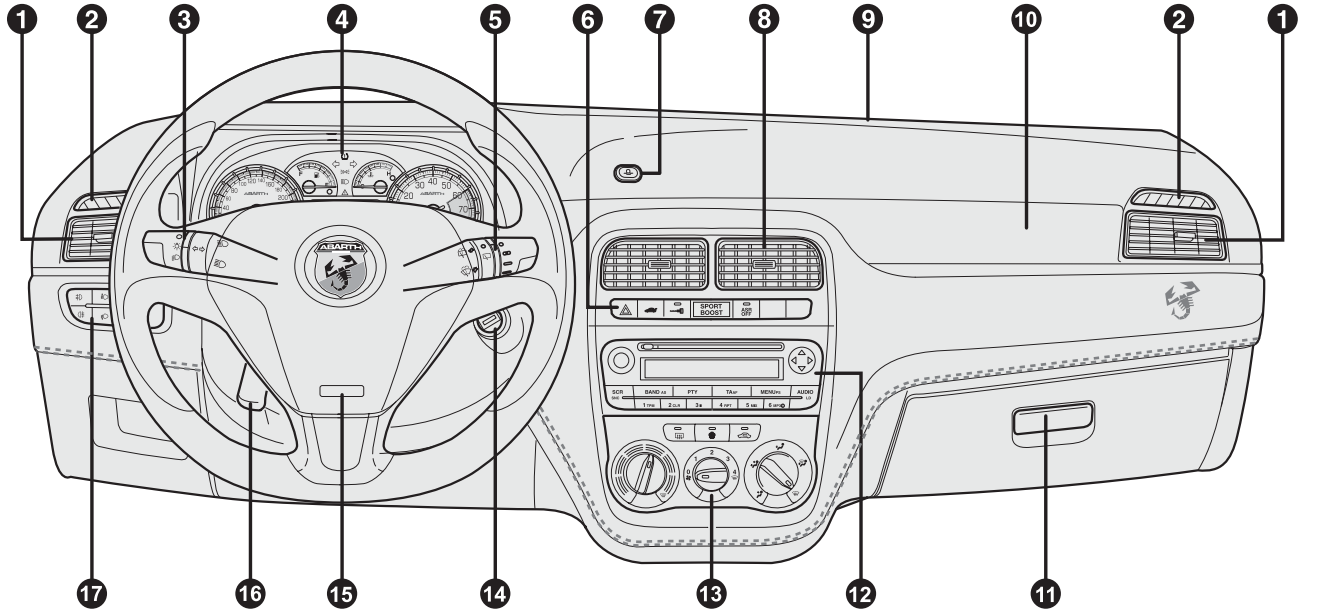
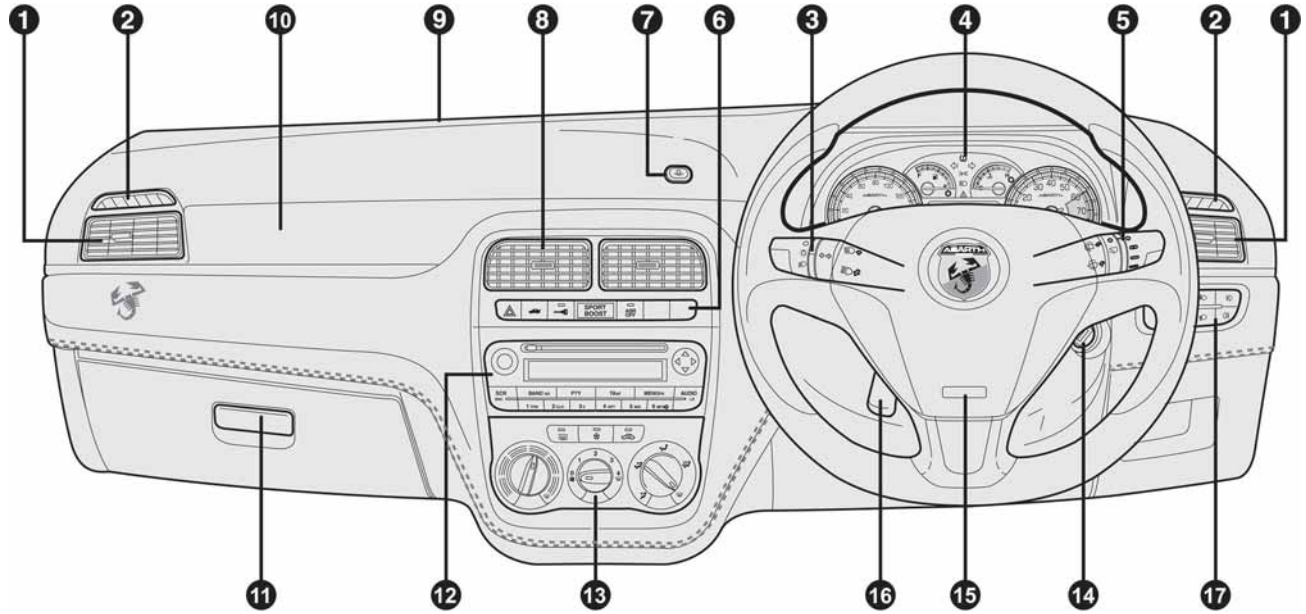


fig. 1

1. Side adjustable air vents - **2.** Side fixed air vents - **3.** Left steering column stalk: external lights - **4.** Instrument panel - **5.** Right steering column stalk: windscreen, rear window wiper and trip computer controls - **6.** Dashboard controls - **7.** Wiring for navigation system (MY PORT) - **8.** Central adjustable air vents - **9.** Upper fixed air vent - **10.** Front passenger's air bag - **11.** Glovebox - **12.** Sound system - **13.** Climate controls - **14.** Ignition switch - **15.** Driver's air bag - **16.** Steering wheel adjusting lever - **17.** Control plate: front fog lights/rear fog lights/headlight aiming device/reconfigurable multifunction display

RIGHT HAND DRIVE VERSION

The presence and the position of the instruments and warning lights may vary according to the versions.



F0M082Ab

fig. 2

1. Side adjustable air vents - **2.** Side fixed air vents - **3.** Left steering column stalk: external lights - **4.** Instrument panel - **5.** Right steering column stalk: windscreen, rear window wiper and trip computer controls - **6.** Dashboard controls - **7.** Wiring for navigation system (MY PORT) - **8.** Central adjustable air vents - **9.** Upper fixed air vent - **10.** Front passenger's air bag - **11.** Glovebox - **12.** Sound system - **13.** Climate controls - **14.** Ignition switch - **15.** Driver's air bag - **16.** Steering wheel adjusting lever - **17.** Control plate: front fog lights/rear fog lights/headlight aiming device/reconfigurable multifunction display

SYMBOLS

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

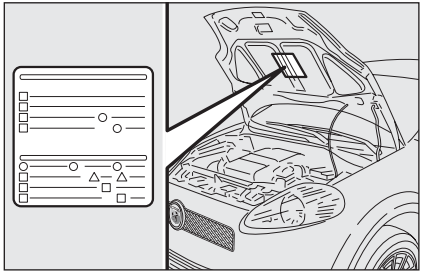


fig. 3 F0M070Ab

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

THE FIAT 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 ignition key is removed.

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

OPERATION

Each time the car is started turning the ignition key to **MAR**, the Fiat CODE system control unit sends a recognition code to the engine control unit to deactivate the inhibitor.

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

Each time the ignition key is turned to **STOP**, the Fiat CODE system deactivates the functions of the engine electronic control unit.

If, at start, the code is not correctly recognized, the sign will be displayed (see section "Warning Lights and Messages").

If the code has not been recognised correctly, the warning light turns on (see section "Warning lights and messages").

In this case, the key should be moved to the **STOP** position and then back to **MAR**; if the lock continues, possibly try again with the other key provided with the car. If it is still not possible to start the car, contact Abarth Dealership.

IMPORTANT Every 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 to Abarth Dealership.

Warning light coming on when driving

- If the sign is displayed, it means that the system is automatically carrying out the diagnosis cycle owing, for example, to voltage drop).
- If the sign continues to be displayed, call the Abarth Service Network and ask for assistance.

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

THE KEYS

CODE CARD fig. 4 (for versions/markets, where provided)

The car is delivered with two copies of the ignition key and with the CODE card which bears the following:

A the electronic code;

B the mechanical key code to be given to the Abarth Dealership when ordering duplicate keys.

Make sure you have the electronic code **A-fig. 4** with you at all times.

IMPORTANT In order to ensure perfect efficiency of the electronic devices contained inside the keys, they should never be exposed to direct sunlight.

All the keys and the CODE card must be handed over to the new owner when selling the car.

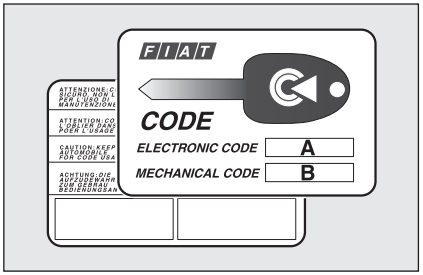


fig. 4 F0M0006m

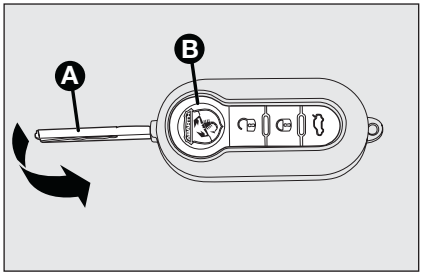


fig. 5 F0M098Ab

KEY WITH REMOTE CONTROL fig. 5

The metal insert **A** is retractable and it operates:

❒ the ignition switch;

❒ the door locks.

❒ fuel cap opening/closing (for versions/markets, where provided).

To extract the metal insert, press button **B**.

To refit it proceed as follows:

❒ keep button **B** pressed and move the metal insert **A**;

❒ release button **B** and turn the metal insert **A** until hearing the proper locking click.

WARNING

Button B should only be pressed when the key is away from the body, in particular from the eyes and from objects that can be spoilt (e.g. clothes). Make sure the key can never be touched by others, especially children, who may inadvertently press the button.

Button 🔓 shall be used for opening the doors and the tailgate.

Button 🔒 shall be used for closing the doors and the tailgate.

Button 🚗 shall be used for remote opening of the tailgate.

When unlocking the doors, the passenger's compartment lights will come on for a preset time.

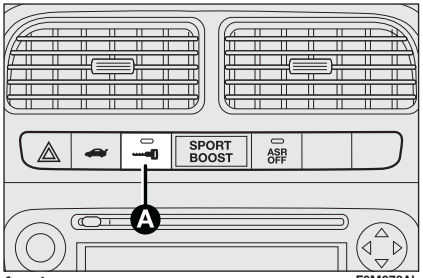


fig. 6 F0M076Ab

Dashboard led indications

When locking the doors, led **A-fig. 6** switches on for about 3 seconds and than starts flashing (deterrence function).

Once doors are locked, if one or more doors or the tailgate are not closed correctly, the led and direction indicators start flashing quickly.

Request for additional remote controls

The system can recognise up to 8 keys with incorporated remote control. Should a new key with remote control be necessary, contact a Abarth Dealership, taking with you the CODE card, a personal identity document and the car's ownership documents.

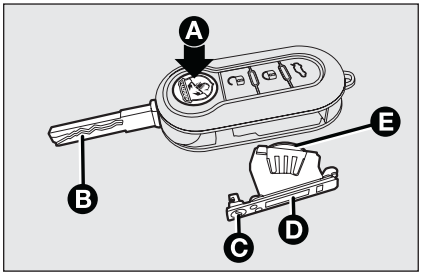


fig. 7 F0M097Ab

Replacing the battery of the key with remote control fig. 7

Battery replacement:

❒ press button **A** and open the metal insert **B**;

❒ turn the screw **C** to 🔓 using a fine bit screwdriver;

❒ take out the battery case **D** and replace the battery **E** making sure that the bias is correct;

❒ refit the battery case **D** inside the key and lock it turning the screw **C** to 🔒.

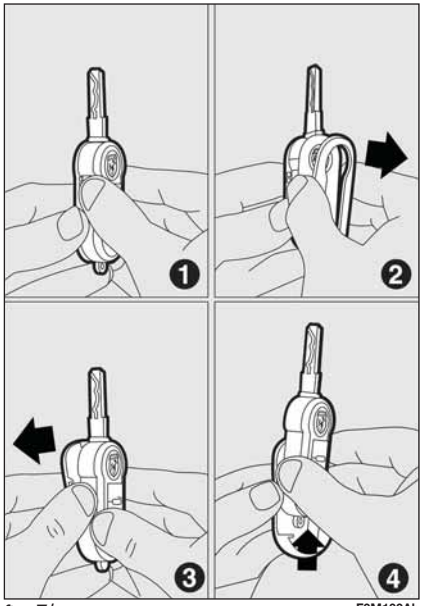


fig. 7/a F0M100Ab

REPLACEMENT OF REMOTE CONTROL COVER fig. 7/a

To replace the remote control cover, follow the procedure shown in figure.

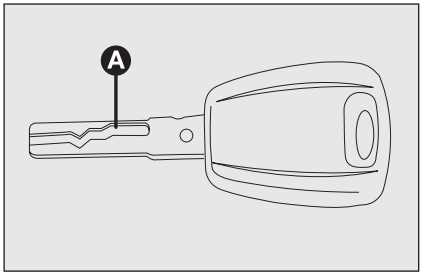


fig. 8 F0M071Ab

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 a Abarth Dealership, which will deal with their disposal.

KEY WITHOUT REMOTE CONTROL fig. 8

The metal insert of the key **A** is fixed.

The key operates:

❒ the ignition switch;

❒ the door locks;

❒ fuel cap opening/closing (for versions/markets, where provided).

ALARM

The car alarm system is available at Lineaccessori Abarth.

The main functions that can be activated with the keys (with or without remote control) are the following:

Type	Door opening	Door closing form the outside	Dead lock activation (●)	Tailgate opening	Window openin (●)	Window closing (●)
Key without remote control	Key turning counterclockwise (driver side)	Key turning clockwise (driver side)	–	–	–	–
	Key turning counterclockwise (driver side)	Key turning clockwise (driver side)	–	–	–	–
Key with remote control	Press briefly button	Brief press on button	Double pressing on button	Pressing on button	Long press (for over 2 seconds) on button	Long press (for over 2 seconds) on button
	2 flashings	1 flashing	3 flashings	2 flashings	2 flashings	1 flashings
Direction indicators flashing (only with key with remote control)	Turning off	Turning on glowing steadily for about 3 seconds followed by deterrence led flashing	Double flashing, followed by de-terrence led flashing	Deterrence led flashing	Turning off	Deterrence led flashing

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

(●) for versions/markets, where provided

IGNITION DEVICE

The key can be turned to 3 different positions **fig. 9**:

- ❒ **STOP**: engine off, key can be removed, steering column locked. Certain electrical devices (e.g.: sound system, power windows…) can work.
- ❒ **MAR**: driving position. All electrical devices are powered.
- ❒ **AVV**: engine starting (unstable position).

The ignition switch is fitted with an electronic safety system that, in the event the engine is not started, turns back the ignition key to **STOP** before repeating the starting operation.

WARNING

If the ignition device is tampered with (e.g.: attempted theft), have it checked over by a Abarth Dealership as soon as possible.

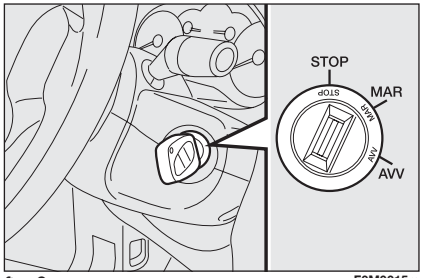


fig. 9 F0M0015m

WARNING

When getting out of the car, always remove the key to prevent any occupants from accidentally activating the controls. Remember to engage the handbrake and if the car is parked on uphill slope to engage the first gear. If the car is facing downhill, engage the reverse gear. Never leave unsupervised children in the car.

STEERING COLUMN LOCK

Engaging

When the key is at **STOP**, remove the key and turn the steering wheel until it locks.

Disengaging

Rock the steering wheel slightly as you turn the ignition key to **MAR**.

WARNING

Never remove the ignition key while the car is moving. The steering wheel would automatically lock as soon as you try to turn it. This also applies when the car is being towed.

WARNING

It is absolutely forbidden to carry out whatever aftermarket 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.

INSTRUMENT PANEL

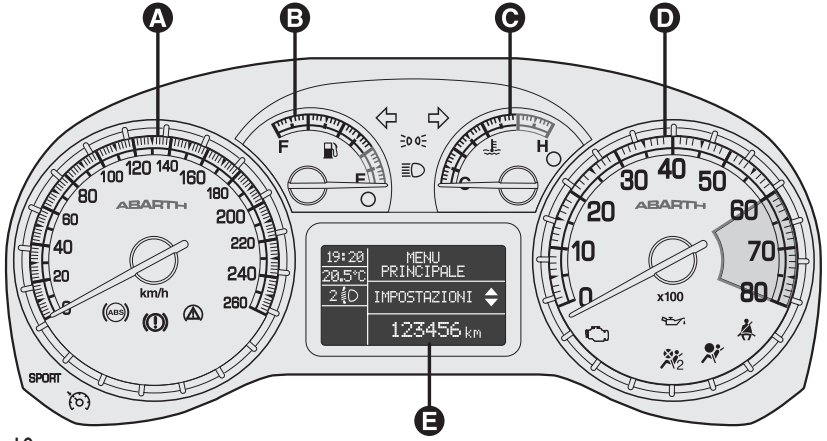


fig. 10 F0M049Ab

LEFT HAND DRIVE VERSION

A Speedometer (speed indicator)

B Fuel level gauge with reserve warning light

C Engine coolant temperature gauge and excessive temperature warning light

D Rev counter

E Reconfigurable multifunction display

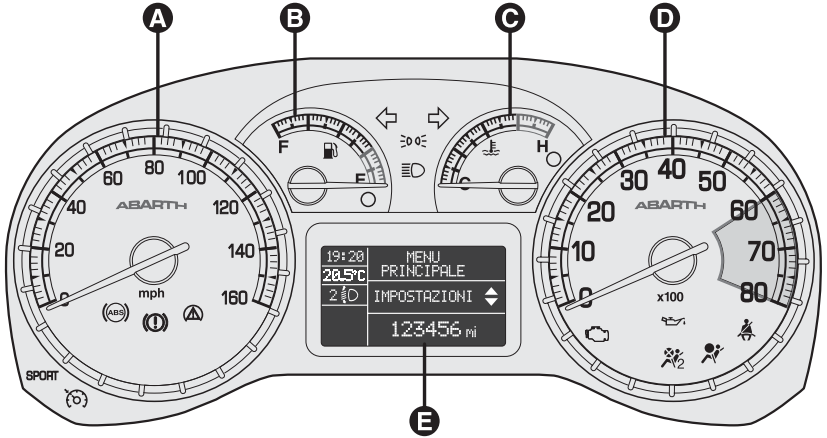


fig. 10 F0M072Ab

RIGHT HAND DRIVE VERSION

A Speedometer (speed indicator)

B Fuel level gauge with reserve warning light

C Engine coolant temperature gauge and excessive temperature warning light

D Rev counter

E Reconfigurable multifunction display

INSTRUMENTS

Instrument background color and type may vary according to the version.

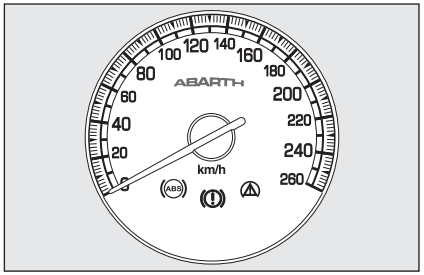


fig. 12 F0M002Ab

SPEEDOMETER fig. 12

It shows the engine speed.

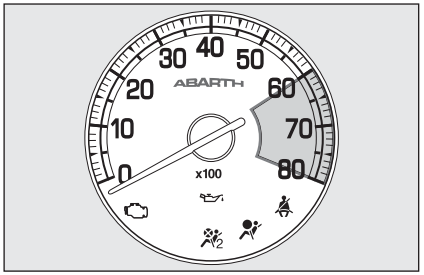


fig. 13 F0M003Ab

REV. COUNTER fig. 13

Rev counter shows engine rpm.

IMPORTANT The electronic injection control system gradually shuts off the flow of fuel when the engine is "over-revving" resulting in a gradual loss of engine power.

When the engine is idling, the rev counter may indicate a gradual or sudden highering of the speed.

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.

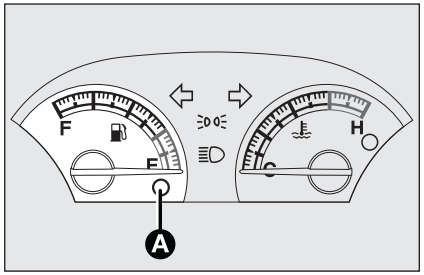


fig. 14 F0M004Ab

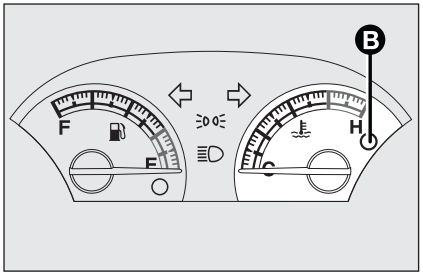


fig. 15 F0M005Ab

FUEL LEVEL GAUGE fig. 14

This shows the amount of fuel left in the fuel tank.

E tank empty

F full tank.

The reserve warning light **A** turns on to indicate that approximately 7 litres of fuel are left in the tank.

Do not travel with the fuel tank almost empty: the gaps in fuel delivery could damage the catalyst.

See the indications given in paragraph "At the filling station".

IMPORTANT The needle sets to **E** with warning light **A** flashing to indicate that the system is failing. In this event contact Abarth Dealership to have the system checked.

ENGINE COOLANT TEMPERATURE GAUGE fig. 15

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

Under normal conditions, the needle should hover around the middle of the scale according to the working conditions.

C Low engine coolant temperature

H High engine coolant temperature.

The turning on of the warning light **B** (with a message on the reconfigurable multifunction display) indicates that the coolant fluid temperature is too high; in this case, stop the engine and contact a Abarth Dealership.

If the needle reaches the red area, stop the engine immediately and contact a Abarth Dealership.

RECONFIGURABLE MULTIFUNCTION DISPLAY

The car may be equipped with reconfigurable a multifunctional display that, according to the settings made, will show useful driving information.

"STANDARD" SCREEN fig. 16

The standard screen shows the following information:

A Time

B Date

D Odometer (distance travelled in kilometres/miles)

E Car conditions (e.g. doors open, ice on road, etc.)

F Headlight aiming position (with dipped beam headlights on only)

G Outside temperature

Rotating the starter's key into **MAR** position, the main page will be displayed also showing the date **fig. 16** or the boosting pressure of the turbocharger **fig. 17** depending on the set-up selected from the menu, caption "Homepage" ("Date" of "Engine Info").

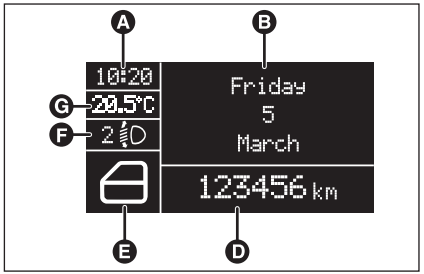


fig. 16 F0M2006g

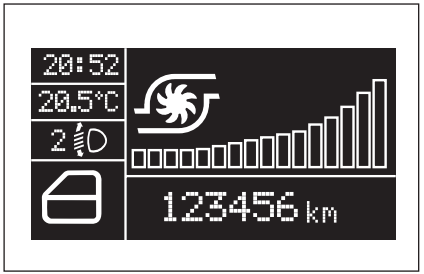


fig. 17 F0M050Ab

CONTROL BUTTONS fig. 18

+ To scroll the displayed menu and the related options upwards or to increase the displayed value.

MENU ESC Press briefly to access the menu and/or go to next screen or to confirm the required menu option.

Long press to go back to the standard screen.

– To scroll the displayed menu and the related options downwards or to decrease the value displayed.

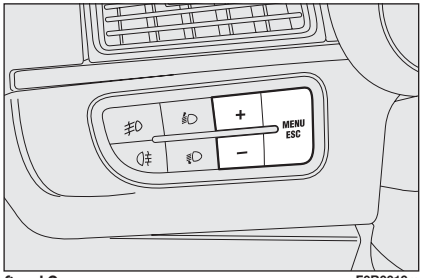


fig. 18 F0R0019m

Note Buttons **+** and **–** activate different functions according to the following situations:

– to scroll the menu options upwards and downwards;

– to increase or decrease values during settings.

Note When opening one of the front doors, the display will turn on and show for a few seconds the clock and the km or mi covered.

SETUP MENU fig. 19

The menu comprises a series of functions arranged in a "circular fashion" which can be selected through buttons **+** and **–** to access the different select operations and settings (setup) given in the following paragraphs. A submenu is provided for some items (Clock and Unit setting).

The setup menu can be activated by pressing briefly button **MENU ESC**.

Single presses on buttons **+** or **–** will scroll the setup menu options. Management modes differ with each other according to the characteristic of the option selected.

Selecting an option of the main menu without submenu:

– press briefly button **MENU ESC** to select the main menu option to set;

– press buttons **+** or **–** (by single presses) to select the new setting;

– press briefly button **MENU ESC** to store the new setting and to go back to the main menu option previously selected.

Selecting an option of the main menu with submenu:

– press briefly button **MENU ESC** to display the first submenu option;

– press buttons **+** or **–** (by single presses) to scroll all the submenu options;

– press briefly button **MENU ESC** to select the displayed submenu option and to open the relevant setup menu;

– press buttons **+** or **–** (by single presses) to select the new setting for this submenu option;

– press briefly button **MENU ESC** to store the new setting and to go back to the previously selected submenu option.

Example:

On the standard screen, briefly press **MENU ESC** to start browsing. Press **+** or **–** to browse within the menu. **Note** Only the short menu may be accessed for reasons of safety while the car is moving ("Brightness" and "Speed Beep").

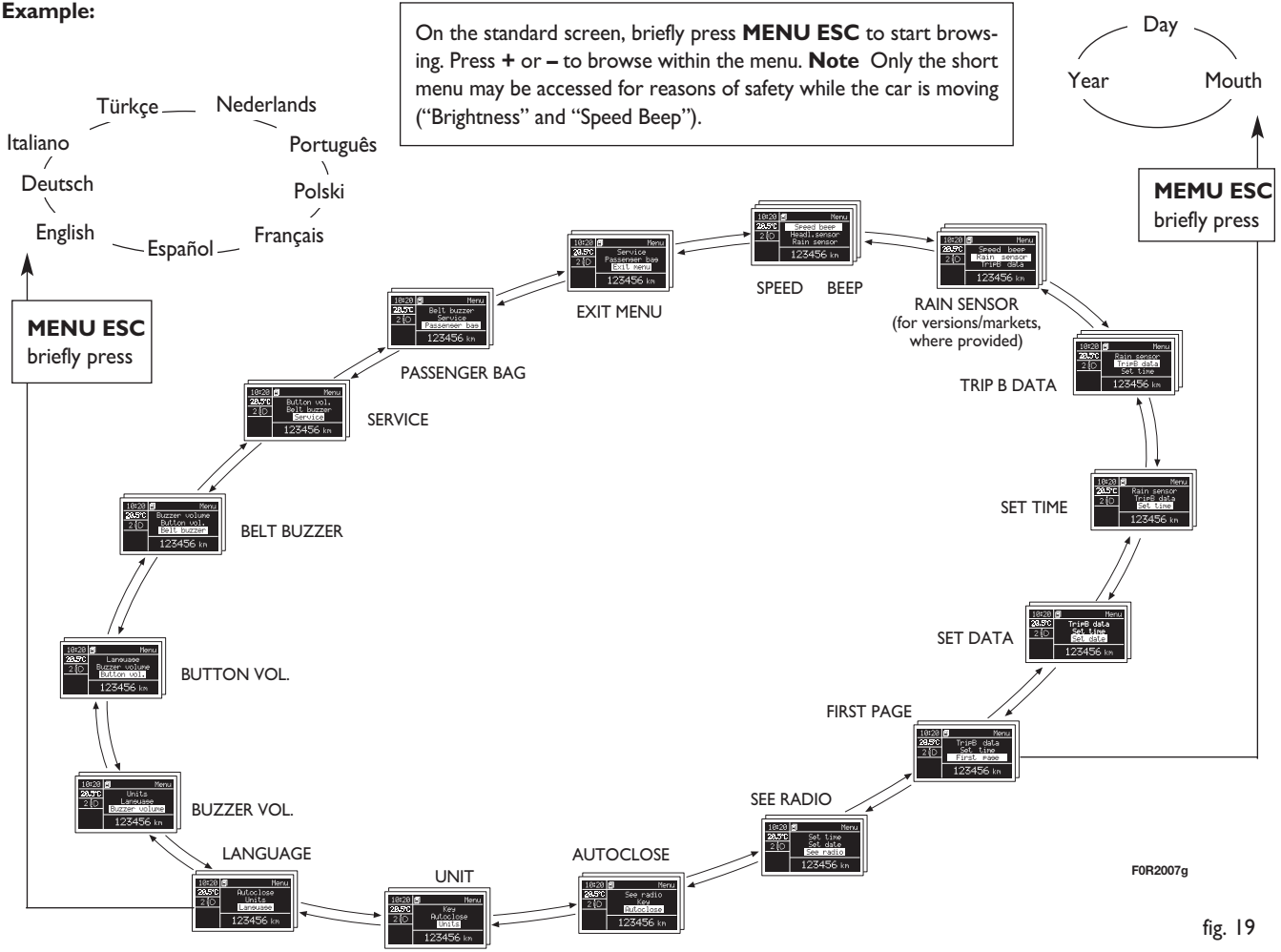


fig. 19

Speed beep (Speed limit)

This function is used to set the car speed limit (km/h or mph); when this limit is exceeded the driver is immediately alerted (see section "Warning lights and messages").

To set the speed limit, proceed as follows:

– briefly press button **MENU ESC**, the display will show the wording (Speed Buzz);

– press button **+** or **–** to select speed limit activation (On) or deactivation (Off);

– if the function has been activated (On), press buttons **+** or **–** to select the required speed limit and then press **MENU ESC** to confirm;

Note The speed may be set in the range from 30 to 200 km/h, or from 20 to 125 mph according to the previously chosen unit (see "Setting the distance unit") described below. The setting will increase/decrease by five units each time button **+/–** is pressed. Hold button **+/–** pressed to increase/decrease the setting rapidly. Complete the setting by briefly pressing the button when you approach the required setting.

– briefly press button **MENU ESC** to go back to the menu screen or press the button for long to go back to the standard screen without storing settings.

To cancel the setting, proceed as follows:

– briefly press button **MENU ESC**: (On) will blink on the display;

– press button **–**: (Off) will flash on the display;

– briefly press button **MENU ESC** to go back to the menu screen or press the button for long to go back to the standard screen without storing settings.

Rain sensor sensitivity adjustment (Rain sensor) (for versions/ markets, where provided)

With this function it is possible to adjust the rain sensor sensitivity according to 4 levels.

To set the required sensitivity level proceed as follows:

– briefly press button **MENU ESC**, the previously set sensitivity "level" will flash on the display;

– press button **+** or **–** for setting;

– briefly press button **MENU ESC** to go back to the menu screen or press the button for long to go back to the standard screen without storing settings.

Trip B data (Trip B on)

This function may be used to activate (On) or deactivate (Off) the Trip B (partial trip).

For further information see "Trip computer".

Proceed as follows to switch the function on and off:

– briefly press button **MENU ESC**: (On) or (Off) will flash on the display (according to previous setting);

– press button **+** or **–** for setting;

– briefly press button **MENU ESC** to go back to the menu screen or press the button for long to go back to the standard screen without storing settings.

Setting the time (Clock)

This function allows to set the clock through two sub-menus: "Time" and "Mode".

Proceed as follows:

– briefly press button **MENU ESC**, the display will show the two submenus "Time" and "Mode";

– press button **+** or **–** to switch between the two submenus;

– select the required option and then press button **MENU ESC**briefly;

- when accessing the "Time" submenu: – briefly press button **MENU ESC**, "hours" will flash on the display;

– press button **+** or **–** for setting;

– briefly press button **MENU ESC**, "minutes" will flash on the display;

– press button **+** or **–** for setting;

Note The setting will increase or decrease by one unit each time **+** or **–** is pressed. Hold the button pressed to increase/decrease the setting rapidly. Complete the setting by briefly pressing the button when you approach the required setting.

– when accessing the "Format" submenu: briefly press button **MENU ESC**: the previously set display format will flash on the display;

– press button **+** or **–** to select "24h" or "12h".

When you have made the required settings, briefly press button **MENU ESC** to go back to the menu screen or press the button for long to go back to the standard screen without storing settings:

– hold **MENU ESC** pressed to go back to the standard screen or main menu according to the points of the menu where you are at.

Set date (Set Date)

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

To correct the date proceed as follows:

– briefly press button **MENU ESC**: "day" will flash on the display;

– press button **+** or **–** for setting;

– briefly press button **MENU ESC**: "month" will flash on the display;

– press button **+** or **–** for setting;

– briefly press button **MENU ESC**: "year" will flash on the display;

– press button **+** or **–** for setting;

Note Every press on button **+** or **–** increases/decreases by 1 unit. Keeping the button pressed obtains automatic fast increase or decrease. When you are near the required setting complete adjustment by single presses.

– briefly press button **MENU ESC** to go back to the menu screen or press the button for long to go back to the standard screen without storing settings.

First page (information displayed in the main screen)

This function enables to select the type of information displayed in the main screen. It is possible to display the date or the pressure of the turbo-compressor.

To select one of the two items, proceed as follows:

– push the button **MENU ESC** for a short time, "First page" is displayed;

– press again the button **MENU ESC** for a short time to display the "Date" and "Engine Info" options;

– press **+** or **–** to select the type of information to be displayed in the main screen;

– press **MENU ESC** for a short time to store the selection and return to the previous screen or press the button for a longer time to return to the standard screen without storing the selection.

Rotating the ignition key on **MAR**, the reconfigurable multifunctional display, after the start-up check, displays the previously set information using the "First page" function of the menu.

See radio (Repeat audio information)

This function is used to display information relevant to the sound system.

– Radio: tuned radio station frequency or RDS message, automatic tuning activation or AutoSTore;

– CD audio, CD MP3: track number;

– CD Changer: CD number and track number.

To activate (On) or to deactivate (Off) sound system info displaying proceed as follows:

– briefly press button **MENU ESC**: (On) or (Off) will flash on the display (according to previous setting);

– press button **+** or **–** for setting;

– briefly press button **MENU ESC** to go back to the menu screen or press the button for long to go back to the standard screen without storing settings.

Autoclose (Automatic door lock operation with car running)

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

This function is available on all versions and may only be switched off by means of the multifunctional display or reconfigurable multifunctional display.

Proceed as follows to switch this function on or off:

- briefly press button **MENU ESC** to display a submenu;

– briefly press button **MENU ESC**: (On) or (Off) will flash on the display (according to previous setting);

– press button **+** or **–** for setting;

– briefly press button **MENU ESC** to go back to the menu screen or press the button for long to go back to the standard screen without storing settings;

– hold **MENU ESC** pressed to go back to the standard screen or main menu according to the points of the menu where you are at.

Unit of measure (Set units)

This function may be used to set the unit for measure in three submenus: "Distances", "Consumption" and "Temperature".

Proceed as follows to set the required unit:

– briefly press button **MENU ESC** to display the three sub-menus;

– press button **+** or **–** to browse the three submenus;

– select the required submenu and then press briefly button **MENU ESC**;

– when accessing the "Distance" submenu: briefly press **MENU ESC**: either "km" or "mi" will appear on the display (according to the previous setting);

– press button **+** or **–** for setting;

– when accessing the "Consumption" submenu: briefly press **MENU ESC**: either "km/l ", "l/100km" or "mpg" will appear on the display (according to the previous setting).

If the distance unit set is "km" the fuel consumption unit will be displayed in km/l or l/100km.

If the distance unit set is "mi" the fuel consumption unit will be displayed in "mpg":

– press button **+** or **–** for setting;

– when accessing the "Temperature" submenu: briefly press **MENU ESC**: either "°C" or "°F" will appear on the display according to the previous setting;

– press button **+** or **–** for setting;

When you have made the required settings, briefly press button **MENU ESC** to go back to the menu screen or press the button for long to go back to the standard screen without storing settings.

– hold **MENU ESC** pressed to go back to the standard screen or main menu according to the points of the menu where you are at.

Language (Selecting the language)

The messages may be displayed in the following languages: Italian, German, English, Spanish, French, Portuguese, Dutch.

To set the required language proceed as follows:

– briefly press button **MENU ESC**: the previously set "language" " will flash on the display;

– press button **+** or **–** for setting;

– briefly press button **MENU ESC** to go back to the menu screen or press the button for long to go back to the standard screen without storing settings.

Buzzer volume (Adjusting the failure/warning buzzer volume)

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 ESC**: the previously set volume "level" will flash on the display;

– press button **+** or **–** for setting;

– briefly press button **MENU ESC** to go back to the menu screen or press the button for long to go back to the standard screen without storing settings.

Button volume (Button volume adjustment)

This function may be used to adjust the volume of the beep accompanying the activation of buttons **MENU ESC**, **+** and **–** can be adjusted according to 8 levels.

To adjust the volume proceed as follows:

– briefly press button **MENU ESC**: the previously set volume "level" will flash on the display;

– press button **+** or **–** for setting;

– briefly press button **MENU ESC** to go back to the menu screen or press the button for long to go back to the standard screen without storing settings.

Belt buzzer (Buzzer activation for S.B.R. indication)

This function can be only displayed after Abarth Dealership has deactivated the S.B.R. system (see paragraph "S.B.R. system" in section "Safety devices").

Service (Scheduled servicing)

This function may be used to display information connected to proper car servicing.

Proceed as follows:

– briefly press button **MENU ESC**: service in km or mi, according to previous setting, will be displayed (see paragraph "Units");

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

Note The "Service Schedule" requires the car to be serviced every 30,000 km (or 18,000 mi); this indication will appear automatically with the key at **MAR** when there are 2000 km left (or equivalent distance in miles) and will be presented automatically every 200 km (or equivalent distance in miles). The indications will appear more frequently where there are 200 km left. The indication will appear in kilometres or miles according to the settings. When the next scheduled service operation is approaching, the message "Service" will appear on the display followed by the number of kilometres or miles left when the key is turned to **MAR**. Go to a Abarth Dealership where the "Scheduled Service" operations will be performed and the message will be reset.

Passenger bag Front passenger's airbag and side bag activation/deactivation (for versions/markets, where provided)

This function may be used to activate/deactivate the front passenger's airbag.

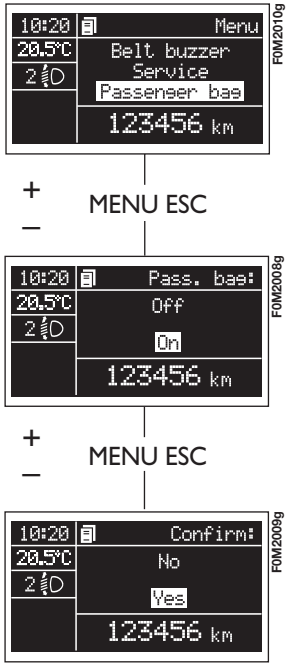
Proceed as follows:

– press **MENU ESC** and press **MENU ESC** again after displaying the message (Bag pass: Off, to deactivate) or (Bag pass: On, to activate) by means of buttons **+** and **–**;

– the confirmation request message will be displayed;

– press buttons **+** or **–** to select (Yes) for confirming activation/deactivation, or (No) to abort;

– briefly press **MENU ESC** to confirm setting e to go back to the menu screen or press the button for long to go back to the standard screen without storing settings.



Exit Menu

This is the last function that closes the circular setting cycle listed in the initial menu screen.

Briefly press button **MENU ESC** to go back to the standard screen without storing settings.

Press button **–** to return to the first menu option (Speed Beep).

TRIP COMPUTER

General features

The "Trip computer" displays information (with ignition key at **MAR**), relating to the operating status of the car. This function comprises two separate and independent trips: "Trip A" and "Trip B" concerning the "complete mission" of the car (journey).

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

"Trip A" shall be used to display the figures relating to:

– Range

– Trip distance

– Average consumption

– Instant consumption

– Average speed

– Travel time (driving time).

"Trip B", available on multifunction display only, shall be used to display the figures relating to:

– Trip distance B

– Average consumption B

– Average speed B

– Travel time B (driving time).

Note "Trip B" function can be excluded (see paragraph "Trip B On/Off"). "Range" and "Instant consumption" cannot be reset.

Values displayed

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 "Start-up and driving"), 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.

Trip distance

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

Average consumption

This value shows the average consumption from the start of the new mission.

Instant 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.

IMPORTANT Lacking information, Trip computer values are displayed with "----". When normal operating condition is reset, calculation of different units will restart regularly. Values displayed before the failure will not be reset.

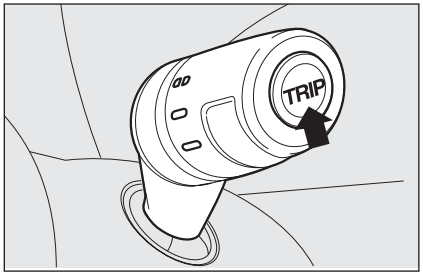


fig. 20 F0M0020m

TRIP button fig. 23

Button **TRIP**, set on the top of the right steering column stalk, shall be used (with ignition key at **MAR**) to display and to reset the previously described values to start a new mission:

– short push to display the different values

– long push to reset and then start a new mission.

New mission

Reset can be:

– "manual" resetting by the user, by pressing the relevant button;

– "automatic" resetting, when the "Trip distance" reaches 3999.9 km or 9999.9 km (according to the type of display) or when the "Travel time" reaches 99.59 (99 hours and 59 minutes);

– after disconnecting/reconnecting the battery.

IMPORTANT The reset operation in the presence of the screens concerning the "Trip A" makes it possible to reset only the information associated with this function.

IMPORTANT The reset operation in the presence of the screens concerning the "Trip B" makes it possible to reset only the information associated with this function.

Start of journey procedure

With ignition key at **MAR**, press and keep button **TRIP** pressed for over 2 seconds to reset.

Exit Trip

To quit the Trip function: keep button **MENU ESC** pressed for over 2 seconds.

FRONT SEATS

WARNING

Only make adjustments when the car is stationary.

Upholstery of your car has been designed to withstand wear deriving from common use of the car. You are however recommended to avoid strong and/or continuous scratching with clothing accessories such as metallic buckles, studs, Velcro fastenings and the like, since these items cause circumscribed stress of the cover fabric that could lead to yarn breaking, and damage the cover as a consequence.

Moving the seat backwards or forwards fig. 21

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

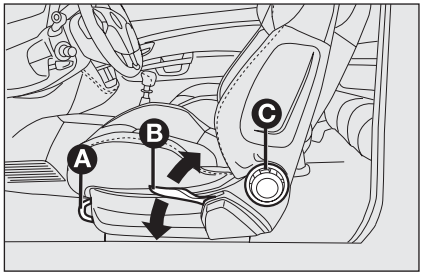


fig. 21 F0M006Ab

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.

Seat height adjustment fig. 21

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

IMPORTANT Adjustment must be carried out only seated in the relevant seat.

Back rest angle adjustment fig. 21

Turn knob **C**.

WARNING

For maximum safety, keep the back of your seat upright, lean back into it and make sure the seat belt fits closely across your chest and hips.

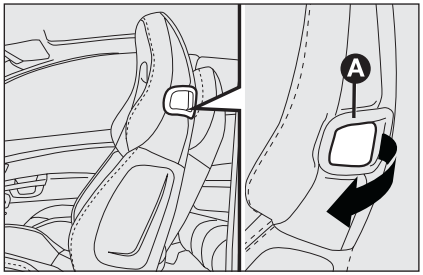


fig. 22a F0M007Ab

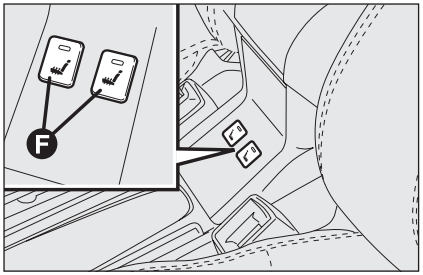


fig. 22b F0M089Ab

Tilting the back rest fig. 22a

Pull handle **A** upwards, the back rest will tilt and the seat can slide forward by pushing the back rest.

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

WARNING

Check that the seat is firmly locked in the runners by trying to move it back and forth.

Seat warming (for versions/ markets, where provided) fig. 22b

With ignition key at **MAR**, press button **F** to switch the seat warming on/off. The led on the button will light up when the function is on.

REAR SEATS

To tilt rear seats refer to paragraph "Extending the boot" in this section.

Upholstery of your car has been designed to withstand wear deriving from common use of the car. You are however recommended to avoid strong and/or continuous scratching with clothing accessories such as metallic buckles, studs, Velcro fastenings and the like, since these items cause circumscribed stress of the cover fabric that could lead to yarn breaking, and damage the cover as a consequence.

HEAD RESTRAINTS

FRONT fig. 23

The front headrests are fixed to the seat bench and their height is not adjustable.

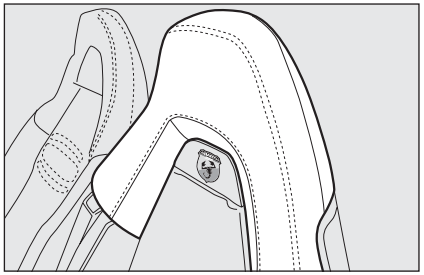


fig. 23 F0M009Ab

To optimise head restraint protective action, adjust the seat back upright and keep your head as close as possible to the head restraint.

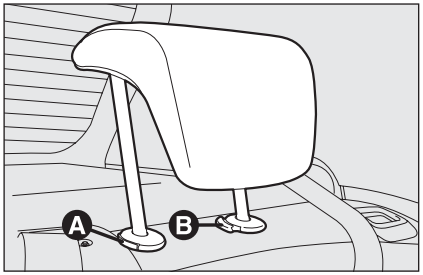


fig. 24 F0M0026m

REAR (for versions/markets, where provided) fig. 24

To use the head restraint, raise it until hearing the click (position of use).

To bring it back to the original position (position of non use), press button **A** and push the head restraint down into the back rest.

To lift out rear head restraints: press at the same time buttons **A** and **B** set on both sides and take them out.

IMPORTANT Rear seat passengers shall always set the head restraints in the position of use.

STEERING WHEEL

The driver can adjust the steering wheel position both axially and in height.

Proceed as follows:

❒ release the lever **A-fig. 25** pushing it forwards (position 1);

❒ adjust the steering wheel as required;

❒ lock the lever **A** pulling it towards the steering wheel (position 2).

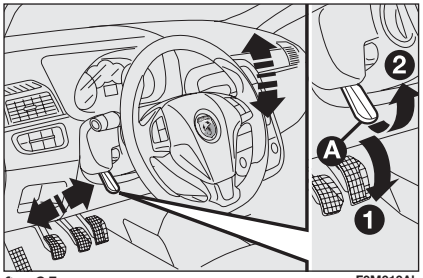


fig. 25 F0M010Ab

WARNING

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

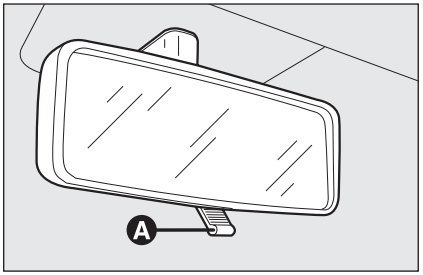
WARNING

It is absolutely forbidden to carry out whatever aftermarket 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

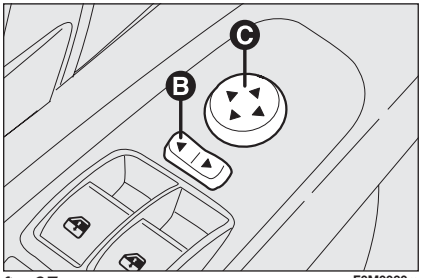
DRIVING MIRROR fig. 26

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



F0M0028m

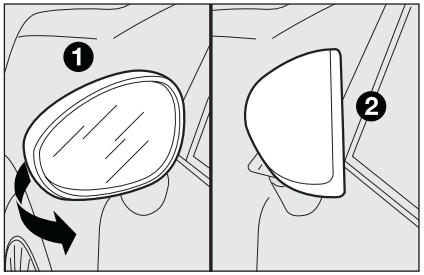
fig. 26



F0M0030m

fig. 27

It can be moved using the lever **A** to two different positions: normal or antiglare.



F0M0250m

fig. 28

DOOR MIRRORS

Adjustment fig. 27

This operation is only possible with ignition key at **MAR**.

Proceed as follows:

❒ use switch **B** to select the mirror required (left or right);

❒ to adjust the mirror move the switch **C** in the four directions.

Folding

When required (for example when the mirror causes difficulty in narrow spaces) it is possible to fold the mirror moving it from position **1-fig. 28** to position **2**.

When driving the mirrors shall always be in position 1-fig. 28.

Demisting/defrosting (for versions/markets, where provided)

Mirrors are fitted with resistors that will activate when turning the heated rear window on (by pressing button).

IMPORTANT This function is timed and it will turn off automatically a few minutes later.

WARNING

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

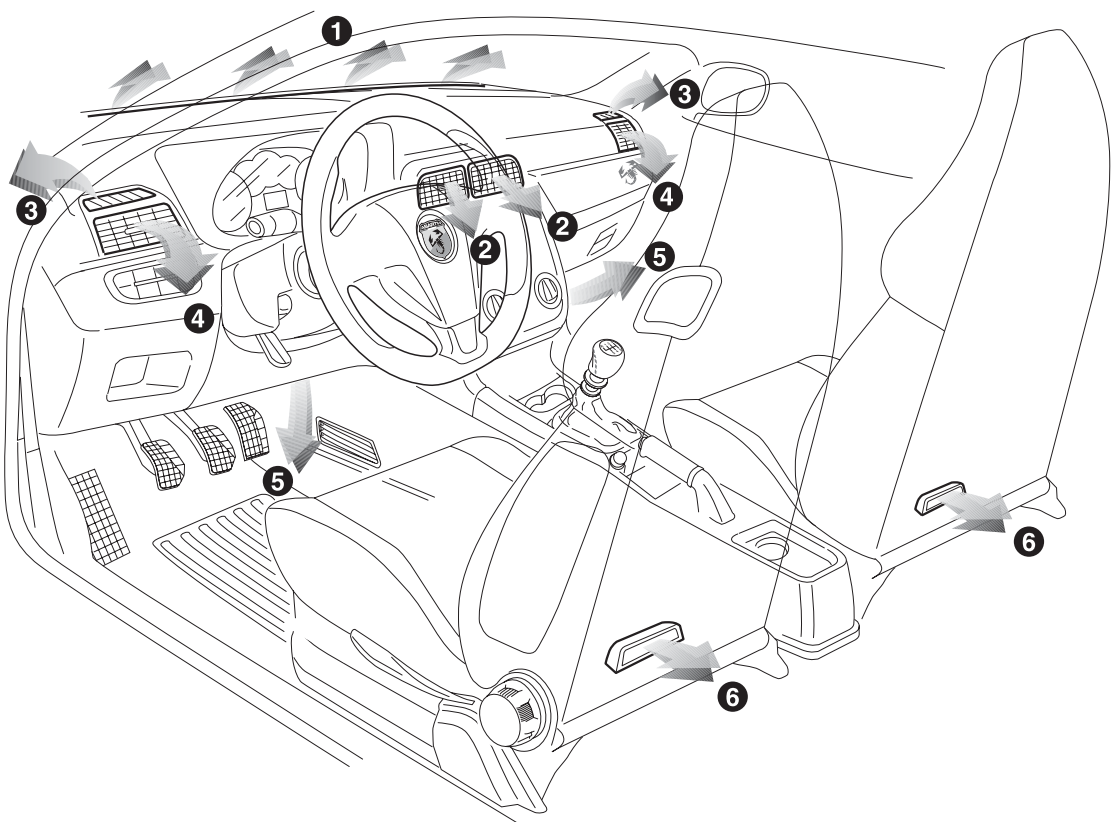


fig. 29

1. Fixed upper vent - **2.** Central swivel vents - **3.** Fixed side vents - **4.** Adjustable side vents - **5.** Lower vents for front seats - **6.** Lower vents for rear seats.

MANUAL CLIMATE CONTROL SYSTEM

ADJUSTABLE AND SWIVEL SIDE AND CENTRAL VENTS fig. 30-31

A Fixed vent for side windows.

B Side adjustable vents.

C Centre adjustable vents.

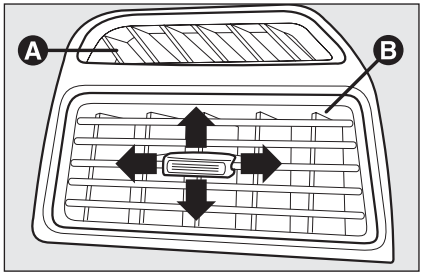


fig. 30 F0M0033m

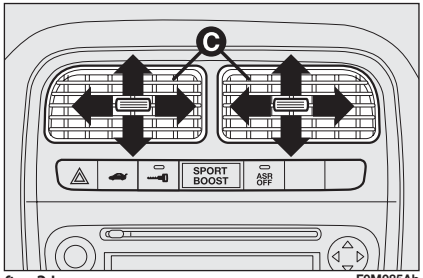


fig. 31 F0M085Ab

Vents **A** are fixed.

To use vents **B** and **C**, operate the relevant device to turn them as required.

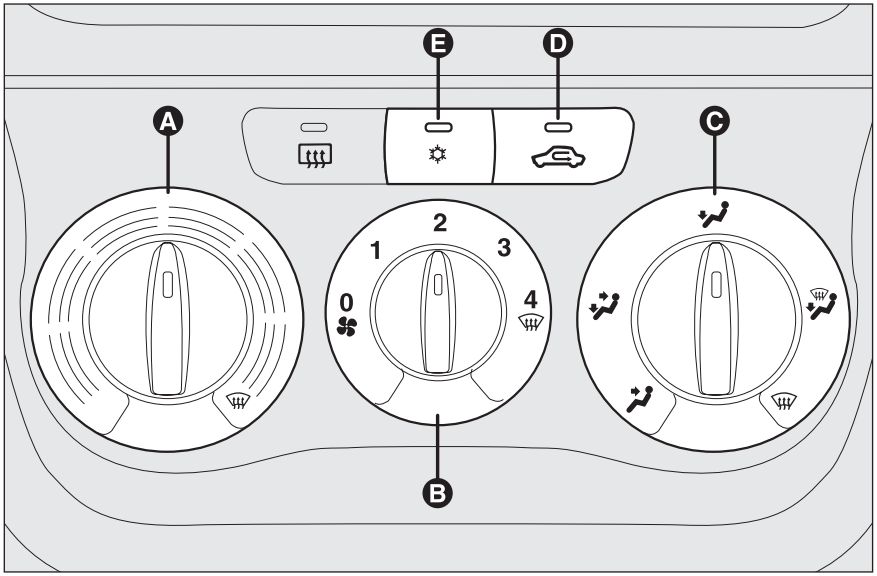


fig. 32 F0M0037m

CONTROLS fig. 32

Air temperature knob A (mixing hot and cold air)

Red section = hot air

Blue section = cold air

Fan activation /speed adjustment knob B

0 = fan off

1-2-3 = fan speed

4 = max. fan speed

Air distribution knob C

to convey air to the centre and side vents;

to warm the feet and convey cooler air to the dashboard vents, in intermediate temperature conditions;

to heat with outside harsh temperature: to convey as much air as possible to the feet;

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

for quick windscreen demisting.

Air recirculation on/off button D

Press the button (button led on) to turn air recirculation on.

Press the button again (button led off) to turn air recirculation off.

Climate control system on/off button E

Press the button (button led on) to turn climate control system on.

Press the button again (button led off) to turn climate control system off.

VENTILATION

To ventilate the passenger's compartment properly proceed as follows:

❒ knob **A** turned to blue section;

❒ turn air recirculation off by pressing button **D** (button led off);

❒ knob **C** turned to ;

❒ knob **B** turned to the required speed.

CLIMATE CONTROL (cooling)

For fast cooling of the passenger compartment, proceed as follows:

❒ knob **A** turned to blue section;

❒ turn air recirculation on by pressing button **D** (button led on);

❒ knob **C** turned to ;

❒ press button **E** to turn the climate control system on; the button led **E** will turn on;

❒ knob **B** turned to **4** (max. fan speed).

Cooling adjustment

❒ turn knob **A** to the right to raise temperature;

❒ turn air recirculation off by pressing button **D** (button led off);

❒ turn knob **B** to reduce the fan speed.

WARMING THE PASSENGER COMPARTMENT

Proceed as follows:

❒ knob **A** turned to red section;

❒ turn knob **C** to the required symbol;

❒ turn knob **B** to the required speed.

FAST HEATING

For fast heating of the passenger compartment, proceed as follows:

❒ knob **A** turned to red section;

❒ turn air recirculation on by pressing button **D** (button led on);

❒ knob **C** turned to ;

❒ knob **B** turned to **4** (max. fan speed).

Then use the controls to keep the required comfort conditions and press button **D** to turn air recirculation off (button led off).

IMPORTANT With cold engine, you have to wait for a few minutes to let the system fluid reach the operating temperature.

FRONT WINDOW FAST DEMISTING/ DEFROSTING (WINDSCREEN AND SIDE WINDOWS)

Proceed as follows:

❒ knob **A** turned to red section;

❒ knob **B** turned to **4** (max. fan speed);

❒ knob **C** turned to ;

❒ turn air recirculation off by pressing button **D**, button led off.

After demisting/defrosting, operate the controls to keep the required comfort.

IMPORTANT The climate control system is very useful to speed up demisting since it dehumidifies the air. Set controls to demisting function and switch on the climate control system by pressing button **E**; the knob led will turn on.

Window demisting

In the event of considerable outside moisture and/or rain and/or considerable differences in temperature inside and outside the passenger compartment, perform the following preventive demisting procedure:

❒ knob **A** turned to red section;

❒ turn air recirculation off by pressing button **D**, button led off;

❒ turn knob **C** to ⌇ or to ⌇ if the windows do not demist;

❒ turn knob **B** to 2nd speed.

IMPORTANT The climate control system is very useful to prevent window misting up in presence of high humidity since it dehumidifies the air.

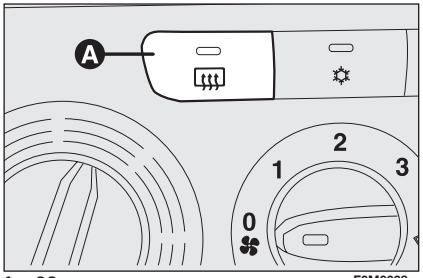


fig. 33 F0M0038m

HEATED REAR WINDOW AND DOOR MIRROR DEMISTING/DEFROSTING (for versions/markets, where provided) fig. 33

Press button **A** to start this function; when this function is on the button led is on.

This function is timed and switches off automatically after 20 minutes. To cut out this function press again button **A**.

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.

AIR RECIRCULATION

Turn this function on by pressing button , the button led with 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.

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

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

LOOKING AFTER THE SYSTEM

During winter, the climate control system must be turned on at least once a month for about 10 minutes. Before summer, have the system checked at a Abarth Dealership.

The system is filled with R134a refrigerant which will not pollute the environment in the event of leakage. Under no circumstances should R12 fluid be used as it is incompatible with the system components.

AUTOMATIC TWO-ZONE CLIMATE CONTROL SYSTEM (for versions/markets, where provided)

DESCRIPTION

The car is fitted with a two-zone climate control system which makes it possible to separately adjust the air temperatures and air distribution on the driver's side and on the passenger's side. Temperature control is based on the "equivalent temperature" logic, i.e.: the system continuously works to keep constant the comfort inside the passenger compartment and to compensate any variation of the outside climate conditions, including sunshine detected by a proper sensor provided for the purpose.

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

- ❒ air temperature at driver/front passenger vents;
- ❒ air distribution at driver/front passenger vents;
- ❒ fan speed (continuous air flow variation);
- ❒ compressor activation (to cool/ dehumidify air);
- ❒ air recirculation.

All the above functions can be changed manually by selecting the required function/s and by changing the set parameters. In this way the automatic control is deactivated; the system will resume automatic control only for safety reasons. Manual selections prevail over automatic ones and remain in storage until the user decides to resume automatic control (press button **AUTO**), except when the system cuts in for particular safety conditions. The control of functions not changed manually remains automatic. The amount of air admitted to the passenger compartment does not depend on the car speed, since it is electronically controlled by the fan. The temperature of the air admitted to the passenger compartment is always controlled automatically according to the temperatures set on the driver's and front passenger's display (except when the system is off or under certain conditions when the compressor is off).

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

- ❒ air temperatures on driver/front passenger side;
- ❒ fan speed (continuous variation);
- ❒ air distribution on seven levels (driver/front passenger side);
- ❒ climate control compressor on/off enable;
- ❒ monozone/two-zone distribution priority;
- ❒ fast demisting/defrosting;
- ❒ air recirculation;
- ❒ rear heated window;
- ❒ system deactivation.

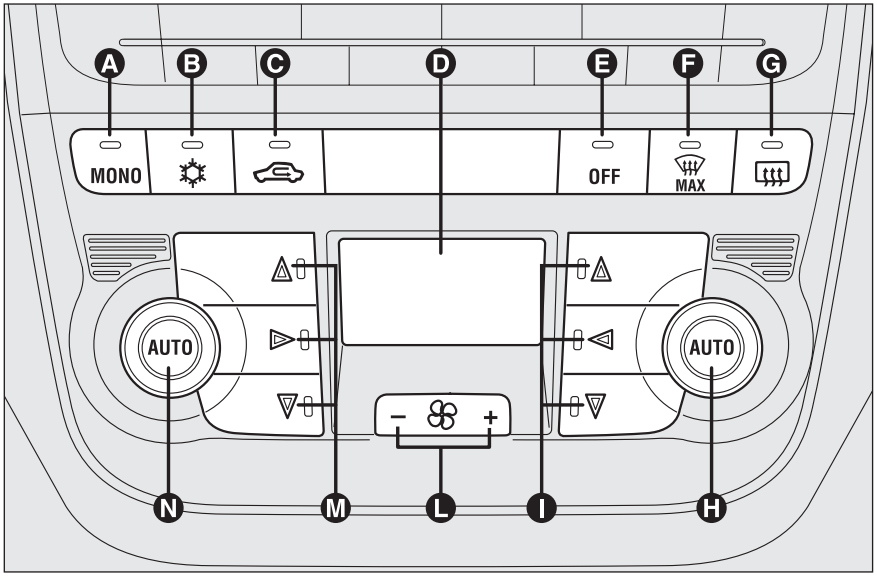


fig. 34 F0M0039m

CONTROLS fig. 34

A button for activating the **MONO** function (alignment of set temperatures) driver/passenger;

B climate control compressor on/off button;

C air recirculation on/off button;

D display showing climate control system data;

E climate control off button;

F **MAX-DEF** function on button (front window fast defrosting/demisting);

G rear window heating on/off button;

H **AUTO** (automatic operation) function on button and knob for adjusting temperature on passenger side;

I air distribution button on passenger side;

L fan speed increase/decrease;

M Air distribution button on driver side;

N **AUTO** (automatic operation) function on button and knob for adjusting temperature on driver side.

USING THE CLIMATE CONTROL SYSTEM

The system can be started in different ways, but it is advisable to press one of the **AUTO** buttons and then to turn the knobs to set the temperatures required on the display.

It is possible to personalise required temperatures (driver and passenger) with a maximum difference of 7 °C.

This way the system will start working completely automatically to reach the comfort temperatures as quickly as possible. The system will set air temperature, quantity and distribution and it will control the air recirculation function and the activation of conditioner compressor.

During fully automatic operation, the only manual settings required are the following:

- ❒ **MONO**, to align the air temperature and distribution set on the passenger's side with that on the driver's side;
- ❒ air recirculation, to keep it always on or off;
- ❒ to speed up demisting/defrosting of windscreen, side windows, rear window and door mirrors;
- ❒ to demist/defrost heated rear window and door mirrors.

During full automatic system operation, you can change at any time set temperatures, air distribution and fan speed by using the relevant buttons or knobs: the system will automatically change its settings to adjust to the new requirements.

During (**FULL AUTO**) operation, changing air distribution and/or flow and/or compressor activation and/or air recirculation will make the **FULL** wording disappear. In this way the system will keep on controlling automatically all functions, excluding those changed manually. Fan speed is the same for every area of the passenger compartment.

Air temperature adjusting knobs H - N

Turning the knobs clockwise or counterclockwise, respectively highers or lowers the temperature of the air required respectively in the front left zone (knob **N**) or in the right zone (knob **H**) of the passenger compartment. Since the system controls two zones of the passenger compartment, it is possible to personalise required temperatures (driver and passenger) with a maximum difference of 7 °C. The temperatures set are shown on the displays near the relevant knobs. Pressing button **A** (**MONO**) automatically aligns the temperature on the passenger's side with that on the driver's side; you can therefore set the same temperature for both zones by turning knob **N** on driver side. Separate operation of air temperatures and distribution is restored by turning knobs **H** or pressing again button **A** (**MONO**) when the button led is on.

Turn the knobs fully clockwise or counterclockwise to engage respectively **HI** (maximum heating) or **LO** (maximum cooling).

To deactivate these two functions, just turn the temperature knob and set the required temperature.

Front air distribution buttons I-M

Pressing these buttons it is possible to choose manually one of the seven possible air distributions to the passenger compartment (right or left side):

- ▲ Air flow to the windscreen and front side window vents to demist or defrost them.
- ▶ Air flow at central and side dashboard vents to ventilate the chest and the face during the hot season.
- ▼ Air flow towards the front and rear lower parts of the passenger compartment. Due to the natural tendency of heat to spread upwards, this type of distribution allows heating of the passenger compartment in the shortest time, also giving a prompt feeling of warmth.

▶ 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). This air flow distribution is particularly useful in spring and autumn when the sun is shining.

▲ Splitting of the air flow between
▼ windscreen and front 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.

▲ Splitting of the air flow between
▶ windscreen demisting/defrosting vents and central and side dashboard vents. This type of air distribution allows satisfactory ventilation when the sun is shining.

▲ Splitting of the air flow between
▶ all car vents.
▼

During **FULL AUTO** operation the system will control automatically air distribution choosing the most appropriate according to climate conditions. When in **FULL AUTO** distribution leds are off.

The type of air distribution, when selected by hand, is shown by lighting up of the relevant led on the selected button. In the combined function, pressing a button will activate the relevant function whereas, pressing a button relevant to an already operating function will turn off this function and the relevant button led. To restore automatic air distribution control after a manual selection, press button **AUTO**.

When the driver selects air distribution to the windscreen, also the air distribution on passenger side will be distributed to the windscreen. The passenger can however select the required air distribution by pressing the relevant buttons.

Fan speed adjusting buttons L

Press button ✤ to increase or to decrease the fan speed and therefore the amount of air admitted into the passenger compartment, although keeping the required temperature set.

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

❒ max fan speed = all bars lit;

❒ min fan speed = one bar lit.

The fan can be cut off only if the climate control compressor has been switched off pressing button **B**.

IMPORTANT To restore automatic fan speed control after a manual adjustment, press button **AUTO**.

AUTO buttons (automatic operation) H-N

Pressing the **AUTO** button (on driver and/or front passenger side) the system automatically adjusts the amount and distribution of the air admitted to the passenger compartment, cancelling all the previous manual adjustments. This condition is indicated by the message **FULL AUTO** on the front system display. Manual operation of at least one automatic function (air recirculation, air distribution, fan speed or climate control compressor off) will cause **FULL** message going off the display. This means that automatic control is not complete (except temperature control which is always automatic).

IMPORTANT Should the system (after manual settings) be no longer able to guarantee the required temperature set in the passenger compartment, the set temperature value will start flashing to indicate this condition, after one minute the **AUTO** message will turn off.

To restore system automatic control at any time, after one or more manual adjustments, press button **AUTO**.

MONO button (to align set temperatures and air distribution) A

Pressing button **MONO** automatically aligns the temperature on the passenger side with that on the driver side, it is therefore possible to set the same temperature and air distribution between the two zones by turning the knob on driver side. This function is provided to simplify temperature adjustment of the whole passenger compartment when only the driver is onboard. Separate operation of set temperature and air distribution is restored by turning knob **H** (to set temperature on front passenger side) or by pressing again button **MONO** when the button led is on.

Air recirculation on/off button C

Air recirculation works according to the following operating logics:

- ❒ automatic switching on, by pressing one of the **AUTO** buttons and indicated by the turning on of the **AUTO** icon on the display near the car outline;
- ❒ forced switching on (inside air recirculation always on), indicated by the turning off of the button led **C** and symbol on the display;
- ❒ forced switching off (air recirculation always off with air inlet from the outside), indicated by the turning off of the button led and symbol on the display. Forced recirculation on/off can be selected through button **C**.

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 system is off.

When outside temperature is cold, recirculation is forced to off (outside air inlet) to prevent window misting up.

In automatic operation inside air recirculation will be controlled automatically by the system according to outside environmental conditions.

When setting manual recirculation, wordings **FULL** and **AUTO** disappear from the display.

WARNING

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

Climate control compressor on/off button B

Pressing button ✡ when the button led is on, will deactivate compressor and turn the button led off. Pressing the button when the led is off will activate compressor and turn the button led on. When turning the compressor off, the system will deactivate air recirculation to prevent window misting up.

In this event, although the system is able to keep the required temperature, the wording **FULL** will disappear from the display. If the system is no longer able to keep the required temperature, temperature value will flash and the wording **AUTO** will disappear from the display.

IMPORTANT With the climate control compressor off, it is not possible to admit air to the passenger compartment with a temperature below the outside temperature; moreover, under certain environmental conditions, windows could mist up fastly since air is not dehumidified.

The switching off of the climate control compressor remains in storage even when the engine has been stopped.

To restore automatic control for switching on the climate control compressor, press again button ✡ or press button **AUTO**.

With climate control compressor off if outside temperature is higher than the set one the system will not be able to keep the required condition, the temperature value will then start to flash on the display for a few seconds and wording **AUTO** will then go off.

With climate control compressor off, the fan speed can be set to zero manually.

With compressor on and engine running, the fan speed cannot be lower that one bar on the display.

Fast window demisting/defrosting button F

Press this button: the climate control system will automatically switch on all the functions required for fast windscreen and front side window demisting/defrosting, that is:

- ❒ switches on climate control compressor when climatic conditions are suitable;
- ❒ air recirculation off;
- ❒ maximum air temperature **HI** on both areas;
- ❒ activates proper fan speed according to engine coolant temperature to limit the flow into the passenger compartment of air not warm enough to demist the windows;
- ❒ directs air flow to windscreen and front side windows vents;
- ❒ turns heated rear window on.

IMPORTANT Fast demisting/defrosting function stays on for about 3 minutes, since engine coolant temperature reaches the proper temperature.

When the max. demisting/defrosting function is on, the button led and the heated rear window button led are on.

FULL AUTO wording on the display is off.

When the max. demisting/defrosting function is on, the only manual operations possible are manual adjustment of the fan speed and switching heated rear window off. Pressing the max. demisting/defrosting button or the air recirculation buttons or compressor off button or the **AUTO** button, the system switches off the max. demisting/defrosting function and restores the operating conditions of the system prior to turning it on.

Heated rear window and door mirror demisting/defrosting button (for versions/markets, where provided) G

Press this button to activate heated rear window demisting/defrosting.

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

This function is timed and switches off automatically after about 20 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.

Switching the climate control system off (OFF) E

Press button **E** to turn the system off. When turned off the system conditions are the following:

❒ set temperature displays off;

❒ air recirculation is on;

❒ conditioner compressor off;

❒ fan off.

Heated rear window can be turned on or off also when the system is off.

IMPORTANT The system will store the temperatures set before turning off and will resume them when pressing any button (except heated rear window); if the function corresponding to the button pressed is off it will be turned on; if on it will be kept active.

Press **AUTO** to turn the system in automatic mode.

ADDITIONAL HEATER (for versions/markets, where provided)

This device shall be used to speed up passenger compartment warming when it is very cold.

The additional heater turns off automatically after reaching the required comfort conditions.

Automatic two-zone climate control system

The additional heater will switch on automatically after turning the ignition key to **ON**.

Manual Heater and Climate control system

The additional heater will switch on automatically by turning knob **A** to the last red sector and turning the fan on (knob **B**) to the first speed at least.

IMPORTANT Heater works only with low outside temperature and engine coolant temperature.

IMPORTANT Heater will not turn on if the battery voltage is not sufficient.

EXTERNAL LIGHTS

The left-hand stalk **fig. 35** operates most of the external lights.

The external lights can only be switched on when the ignition key is at **MAR**.

The instrument panel and the different dashboard controls will come on with the external lights.

LIGHTS SWITCHED OFF

Knurled ring turned to symbol **O**.

SIDELIGHTS

Turn the knurled ring to ☼.

The warning light ≡D◊≡ on the instrument cluster will come on at the same time.

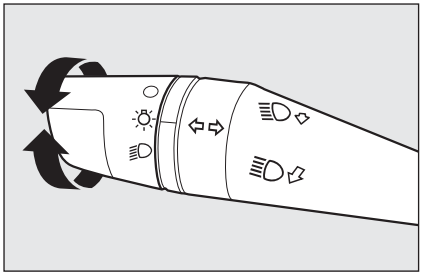


fig. 35 F0M0060m

DIPPED BEAM HEADLIGHTS

Turn the knurled ring to ≡D.

The warning light ≡D◊≡ on the instrument cluster will come on at the same time.

MAIN BEAM HEADLIGHTS

When the knurled ring is at ≡D, pull the lever towards the steering wheel (2nd unstable position).

The warning light ≡D on the instrument cluster will come on at the same time.

To turn the main beams off, pull again the lever towards the steering wheel (dipped beams will turn on again).

FLASHING THE HEADLIGHTS

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

DIRECTION INDICATORS fig. 36

Push the stalk to (stable) position:

❒ Up (position **1**): right-hand direction indicator;

❒ Down (position **2**): left-hand direction indicator.

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 the indicator to flash briefly to show that you are about to change lane, move the stalk up or down without clicking into position (unstable position). When released the stalk will return to its home position.

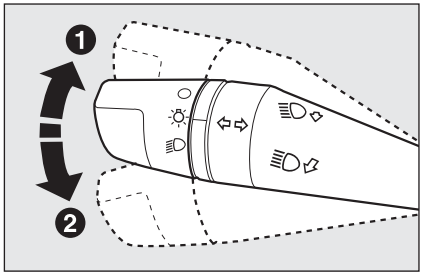


fig. 36 F0M0061m

"FOLLOW ME HOME" DEVICE

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

Activation

With the ignition key at **STOP** or removed, pull the left-hand 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 210 seconds; then the lights are switched off automatically.

Each time the lever is operated, the instrument panel warning light ≡D≡ will turn on together with a message on the display (see section "Warning lights and messages") until the function is active. The warning light comes on the first time the lever is operated and will stay on up to automatic function deactivation. Each operation of the lever will extend lights switching on time.

Deactivation

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

WINDOW WASHING

The right stalk **fig. 37** controls windscreen wiper/washer and heated rear window wiper/washer operation.

WINDSCREEN WASHER/ WIPER

The device can only work when the ignition key is at **MAR.**

The stalk ring nut can be moved to four different positions:

O windscreen wiper off;

intermittent;

continuous slow;

continuos fast.

Moving the stalk to **A** (unstable position) operation is limited to the time the stalk is held in this position. When the stalk is released it returns to its original position automatically stopping the wiper.

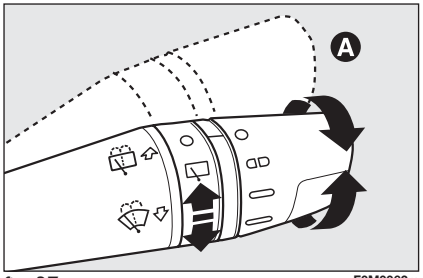


fig. 37 F0M0062m

With ring nut at , wiping speed is automatically adapted to the car speed.

IMPORTANT Replace wiper blades as specified in section "Car maintenance".

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 (also after restarting the car by the ignition key) contact Abarth Dealership.

"Smart washing" function

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

Keeping the stalk pulled for more than half a second, with just one movement it is possible to operate the washer jet and the wiper at the same time.

The wiper stops working three strokes after releasing the stalk.

A further stroke after 6 seconds completes the wiping operation.

RAIN SENSOR (for versions/ markets, where provided)

The rain sensor is located behind the driving mirror in contact with the windscreen and has the purpose of automatically adjust, during the intermittent operation, the frequency of the windscreen wiper strokes as to the rain intensity.

IMPORTANT Keep clean the glass in the sensor area.

Activation

Move the right-hand stalk knurled ring to **⊐D fig. 37**.

The activation of the rain sensor is signalled by a control acquisition "stroke".

Through the set up menu it is possible to increase the sensitivity of the rain sensor.

The increase of the sensitivity of the rain sensor is signalled by a control and acquisition "stroke".

Operating the windscreen washer with the rain sensor activated the normal washing cycle is performed at the end of which the rain sensor resumes its normal automatic function.

Deactivation

Change the stalk knurled ring position from **⊐D fig. 37** or turn the ignition key to **STOP**.

At next engine starting (key at **MAR**), the sensor will not be reactivated even if the knurled ring is still at **⊐D fig. 37**. To activate the rain sensor you have to move the knurled ring from **⊐D** to another position and then again to **⊐D**.

Rain sensor activation will be indicated by at least one wiper "stroke" even if the windscreen is dry.

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.

IMPORTANT Streaks of water may cause unrequired blade moving.

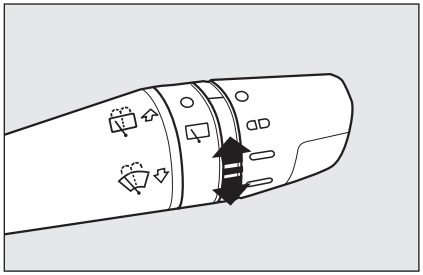


fig. 38 F0M0218m

REAR WINDOW WASHER/WIPER fig. 38

The device can only work when the ignition key is at **MAR**.

Operation will stop when releasing the stalk.

Turning the knurled ring from **O** to ⌑ will operate the rear window wiper as follows:

❒ intermittent operation if the windscreen wiper is off;

❒ synchronised with the windscreen wiper (but with half stroke frequency);

❒ continuous operation with reverse engaged and windscreen wiper on.

With windscreen wiper on and reverse gear engaged, rear window wiping will be continuous.

Pushing the stalk towards the dashboard (unstable position) will activate the rear window washer.

Keeping the stalk pushed for over half a second will activate also the rear window wiper.

Releasing the stalk will activate the smart washing function as described for the windscreen wiper.

Never use the rear window wiper to remove ice or snow from the rear window. 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 Abarth Dealership.

CRUISE CONTROL (constant speed regulator) (for versions/markets, where provided)

It is a device able to support the driver, with electronic control, which allows driving at speed over 30 km/h on long and straight dry roads (e.g.: motorways), at a desired speed, without pressing the accelerator pedal. Therefore it is not suggested to use this device on extra-urban roads with traffic. Do not use it in town.

DEVICE ENGAGEMENT

Turn knob **A-fig. 39** to **ON**.

The Cruise Control cannot be engaged in first or reverse gear. It is advisable to engage it in 4th or higher gears.

Travelling downhill with the device engaged, the car speed may increase more than the memorised one.

When the device is activated the warning light turns on together with the relevant message on the instrument panel (for versions/markets, where provided).

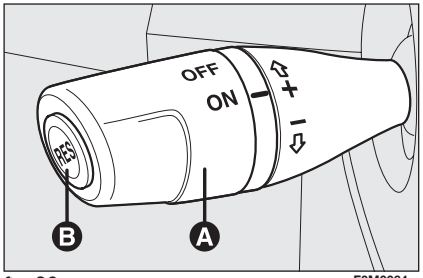


fig. 39 F0M0064m

TO MEMORISE SPEED

Proceed as follows:

- ❒ turn knob **A-fig. 39** to **ON** and press the accelerator pedal to the required speed;
- ❒ move the stalk upwards (**+**) for at least one second, then release it. The 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 THE 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;

❒ press button **RES B-fig. 39**.

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 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 reduction in speed (about 1 km/h), while keeping the stalk downwards will correspond to a continuous speed reduction.

DEVICE DISENGAGEMENT

The device can be disengaged in the following ways:

❒ turn knob **A** to **OFF**;

❒ turning the engine off;

❒ pressing the brake pedal;

❒ pressing the clutch pedal;

❒ pressing the accelerator pedal; in this case the system is not really disengaged but the request for acceleration takes priority over the system. The cruise control is however active and it will not be necessary to press button **RES B-fig. 39** to resume previous conditions after ending acceleration.

The device is automatically deactivated in one of the following cases:

❒ **ABS** or **ESP** system cut-in;

❒ with car speed below the preset limit;

❒ system failure.

WARNING

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

WARNING

In the event of device malfunction or failure, turn knob A to OFF and contact a Abarth Dealership.

CEILING LIGHTS

FRONT CEILING LIGHT WITH SPOT LIGHTS

Switch **A-fig. 40** turn on/off these lights.

With switch **A-fig. 40** in central position, lights **C** and **D** will turn on/off when opening/closing the front doors.

With switch **A-fig. 40** pressed on the left side, lights **C** and **D** will always stay off.

With switch **A-fig. 40** pressed on the right side, lights **C** and **D** will always stay on.

Light turning on/off is gradual.

Switch **B-fig. 40** performs the spot function; with light off, it will turn on:

❒ light **C** if pressed on the left side;

❒ light **D** if pressed on the right side.

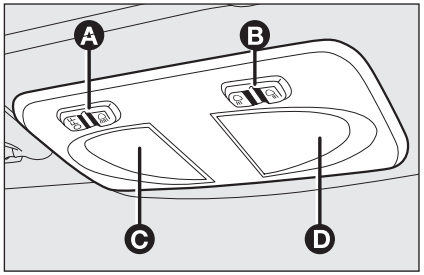


fig. 40 F0M0065m

IMPORTANT Before getting out of the car, make sure the switch is at central position: lights off with doors closed in order to avoid draining the battery.

In any case, if the switch is left inadvertently to the On position, the lights will turn off automatically 15 minutes after turning the engine off.

Ceiling light timing

On certain versions to facilitate getting in/out of the car at night or with poor lighting, 2 different timed switching on modes have been provided.

LIGHT TIMING WHEN GETTING INTO THE CAR

Lights will turn on as follows:

❒ for about 10 seconds when opening front doors;

❒ for about 3 minutes when opening one of the side doors;

❒ for about 10 seconds when closing the doors.

Timing will stop when turning the ignition key to **MAR**.

LIGHT TIMING WHEN GETTING OUT OF THE CAR

After removing the key from the ignition switch, the ceiling lights will turn on as follows:

❒ within 2 minutes from turning the engine off for about 10 seconds;

❒ when opening one of the side doors for about 3 minutes;

❒ when closing one of the doors for about 10 seconds.

Timing will stop automatically when locking the doors.

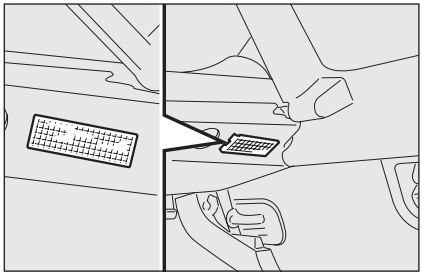


fig. 41 F0M0068m

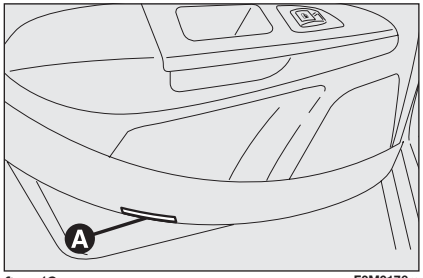


fig. 42 F0M0176m

BOOT LIGHT fig. 41

For versions fitted with boot light, it will turn on automatically when opening the tailgate and it will turn off at closing.

PUDDLE LIGHTS fig. 42

These lights **A** are located in the doors and they will turn on when opening the relevant door, regardless of the ignition key position.

HAZARD LIGHTS fig. 43

They turn on by pressing switch **A**, regardless of the position of the ignition key.

When the device is on warning lights ⇦ and ⇨ on the cluster come on.

Press the switch again to turn the lights off.

The use of hazard lights is governed by the Highway Code of the country you are in. Keep to the rules.

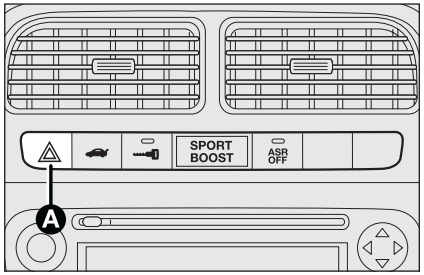


fig. 43 F0M073Ab

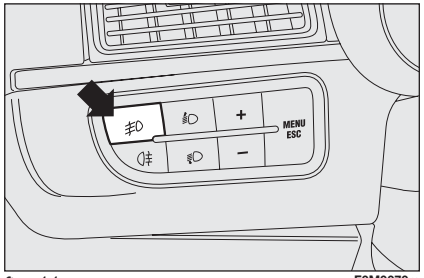


fig. 44 F0M0070m

FRONT FOG LIGHTS fig. 44

To active, with front side lights on, press button ≢D.

Warning light ≢D on the instrument panel will turn on.

Press the button again to turn the lights off.

The use of front fog lights is governed by the Highway Code of the country you are in. Keep to the rules.

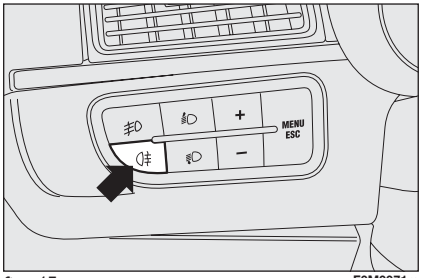


fig. 45 F0M0071m

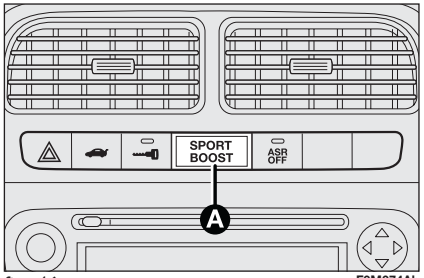


fig. 46 F0M074Ab

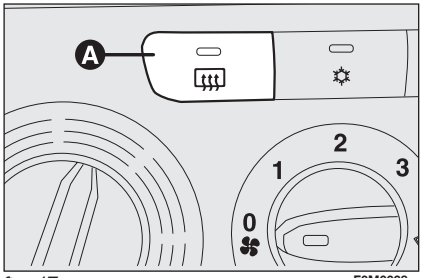


fig. 47 F0M0038m

REAR FOG LIGHT fig. 45

Press button, to turn these lights on it is necessary to have the dipped beam headlights or the front fog lights (for versions/markets, where provided) switched on.

Warning light on the instrument panel will turn on.

Press the button again to turn the light off or turn off dipped beams and/or front fog lights (for versions/markets, where provided).

The use of rear fog lights is governed by the Highway Code of the country you are in. Keep to the rules.

PARKING LIGHTS

These lights can only be turned on with ignition key at **STOP** or removed, by moving the left stalk knurled ring first to **O** and then to or .

The warning light on the instrument cluster will come on at the same time.

SPORT BOOST fig. 46

Press the **A** button to start the "**SPORT BOOST**" function (see "SPORT BOOST" paragraph in the herein section). Once this function has been started, the "**SPORT**" warning light on the instrument board panel turns on. Press the A button again to switch this function off.

HEATED REAR WINDOW fig. 47

Press button **A** to turn on this function. This function will turn off automatically after about 20 minutes.

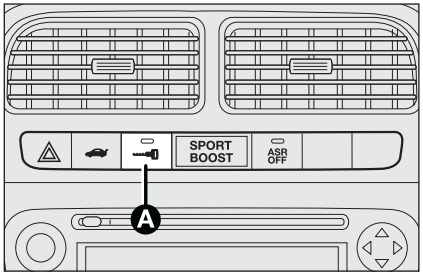


fig. 48

DOOR LOCK fig. 48

To lock all doors at the same time, press button **A**, located on the central console control panel, regardless of the position of the ignition key.

FUEL CUT-OFF SYSTEM

It intervenes in case of collision, activating:

- ❒ switch off of fuel supply with resultant engine switch off;
- ❒ automatic door lock release;
- ❒ switch on of all lights inside the car.

When the system is active, the message "Fuel cut-off see handbook" is displayed.

Carefully check the car for fuel leaks, for instance in the engine compartment, below the car or near the tank area.

After the collision, position ignition key on **STOP** to avoid battery draining.

WARNING

If, after a crash, you smell fuel or notice leaks from the fuel system, do not reset the system 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 lights 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 no fuel leaks are detected after the impact and the car is ready to go, restore correct operation following the instructions given below.

To reset car operation, follow this procedure:

❒ turn the ignition key to **MAR**;
❒ activate the right-hand indicator;
❒ deactivate the right-hand indicator;
❒ activate the left-hand indicator;
❒ deactivate the left-hand indicator;
❒ activate the right-hand indicator;
❒ deactivate the right-hand indicator;
❒ activate the left-hand indicator;
❒ deactivate the left-hand indicator;
❒ turn the ignition key to **STOP**.

INTERIOR FITTINGS

GLOVEBOX fig. 50-51

To open the glovebox operate handle **A-fig. 50**.

Inside the glovebox there is a space **A-fig. 51** to keep documents.

ODDMENT COMPARTMENTS

Oddment compartment **A-fig. 52**, is located on the dashboard, on the left of the steering wheel.

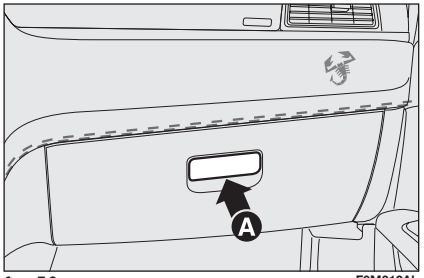


fig. 50 F0M012Ab

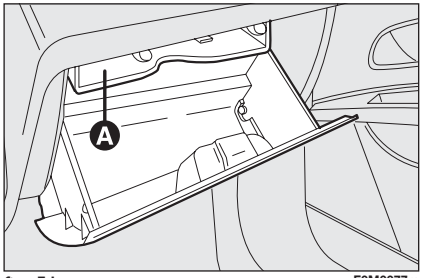


fig. 51 F0M0077m

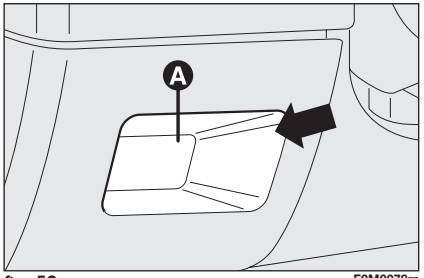


fig. 52 F0M0078m

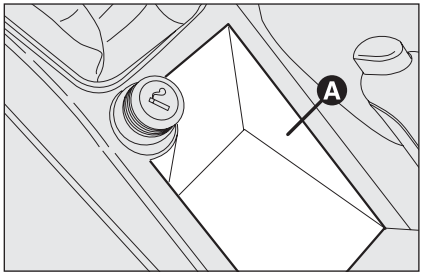


fig. 53 F0M0080m

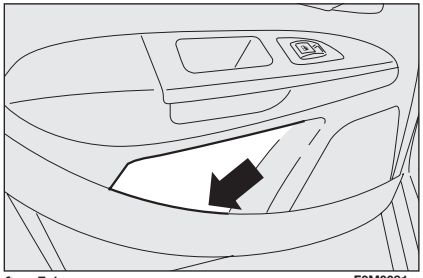


fig. 54 F0M0081m

CENTRAL CONSOLE ODDMENT COMPARTMENT

This compartment **A-fig. 53** is located on the central console in front of the hand-brake.

DOOR POCKETS fig. 54

Document / map pockets are located in door panels.

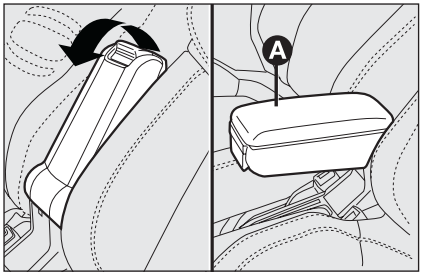


fig. 55 F0M013Ab

FRONT ARMREST WITH ODDMENT COMPARTMENT (for versions/markets, where provided)

Certain versions are fitted with armrest **A-fig. 55** between the front seats.

To use it, push it down as shown in **fig. 55**.

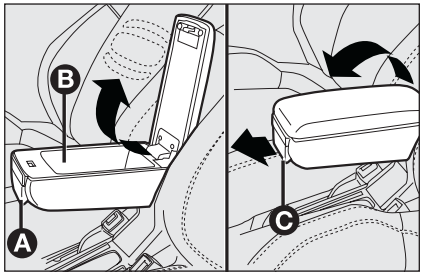


fig. 56 F0M014Ab

Press button **A-fig. 56** to raise the top of the armrest in order to use space **B**. Use lever **C** to tilt down the armrest with respect to the normal position of use.

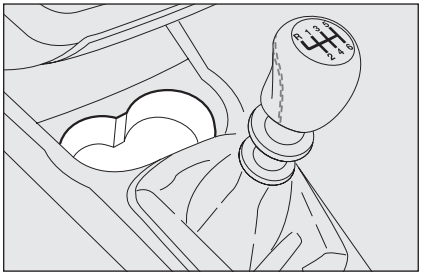


fig. 57 F0M015Ab

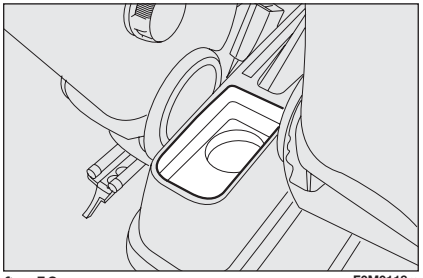


fig. 58 F0M0118m

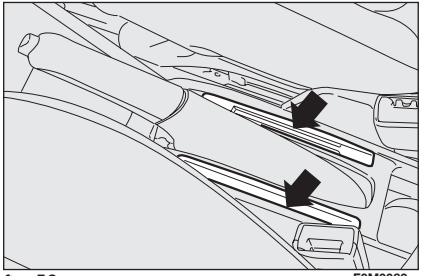


fig. 59 F0M0083m

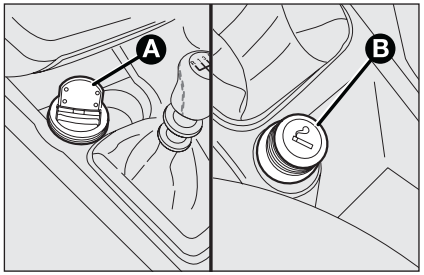


fig. 60 F0M016Ab

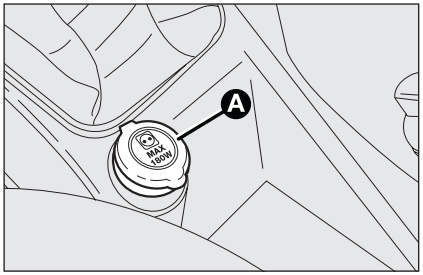


fig. 61 F0M0294m

GLASS HOLDER - CAN HOLDER fig. 57-58

The central console houses the recesses (two in front of the handbrake and one behind it) for glasses, cups or cans.

CARD BOX - CD BOX fig. 59

The central console features recesses to keep cards or CDS.

SMOKER'S KIT (for versions/markets, where provided)

The smoker's kit is composed of an ashtray **A-fig. 60** and by a lighter **B-fig. 60** situated on the central compartment in front of the hand-brake lever.

In case the vehicle is not equipped with a smoker's kit, it is alternatively equipped with a power socket **A-fig. 61**.

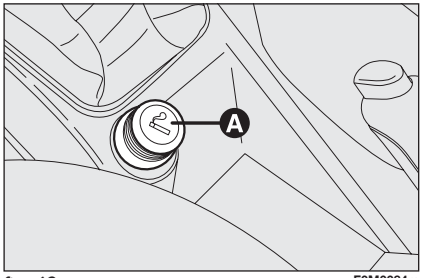


fig. 62 F0M0084m

Press button **A-fig. 62** to switch on the cigar lighter with ignition key at **MAR**.

After about 15 seconds the button will return to its initial position and is ready for use.

IMPORTANT Always check that the cigar lighter has turned off.

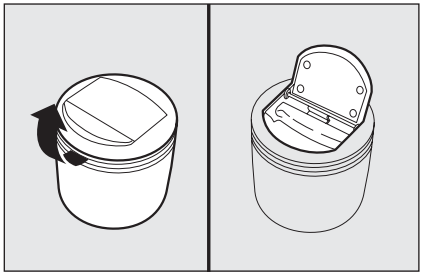


fig. 63 F0M0085m

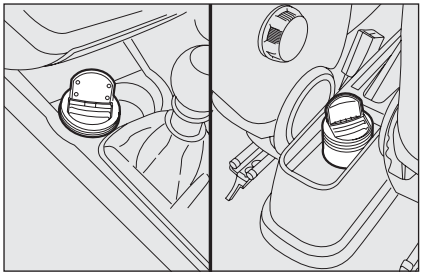


fig. 64 F0M0116m

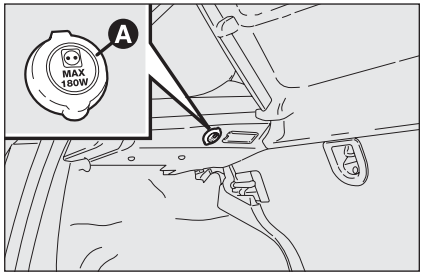


fig. 66 F0M0249m

WARNING

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

ASHTRAY (for versions/markets, where provided) fig. 63-64

The ashtray is a removable plastic box that can be fitted into the glass/can recesses on the central console.

IMPORTANT Do not use the ashtray as waste paper basket: it might set on fire in contact with cigarette stubs.

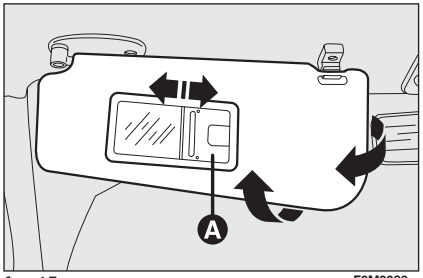


fig. 65 F0M0086m

SUN VISORS fig. 65

These are positioned to the sides of the rear-view mirror. They can swing to the sides and up or down.

A courtesy mirror can be applied to the back of sun visors.

On certain versions to use the mirror (for versions/markets, where provided) you shall open the sliding cover **A**.

CURRENT OUTLET (for versions/markets, where provided)

It is located in the boot, on the left side of the plastic support of the parcel shelf **fig. 66**.

To use it open cap **A**.

SKY-DOME SUNROOF (for versions/markets, where provided)

The sunroof consists of two wide panes (a fixed one and a moving one), fitted with manually-operated sun curtains. Sun curtains can be used in the "wide open" and "wide shut" positions (fixed intermediate positions are not provided). To open sun curtains: take handle **A-fig. 67**, release it and then guide it to the "wide open" position as shown by the arrows. To close sun curtains reverse this procedure. Sunroof only works with ignition key at **MAR**. Controls **A-B fig. 67** set near the front ceiling light on the dedicated control panel, shall be used to open/close the sunroof.

To open

Press and keep pressed button **B-fig. 67**, the front pane will set to the "spoiler" position; press button **B-fig. 67** again for over half a second to make the sunroof sliding automatically to the wide open position; press the button to stop the sunroof at an intermediate position.

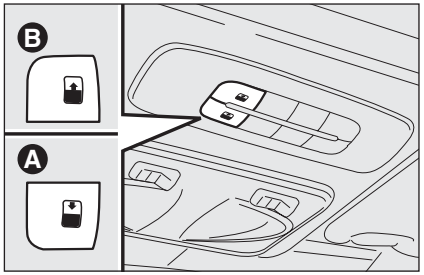


fig. 67 F0M0087m

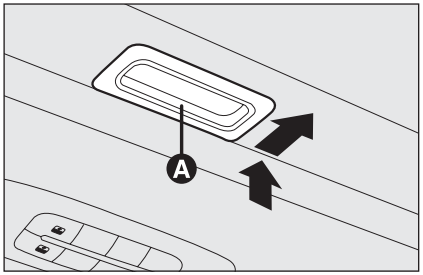


fig. 68 F0M0172m

To close

When in wide open position, press button **A-fig. 68** for over half a second to set the front pane to the "spoiler" position; press the button again to stop the sunroof at an intermediate position; press button **A-fig. 68** again and keep it pressed to close the sunroof completely.

Use the sunroof only at "spoiler" position if cross roof racks are fitted.

Do not open the sunroof if there is snow or ice on it: it could be damaged.

WARNING

When leaving the car, the ignition key should be removed to prevent the sunroof from being operated inadvertently and harming anyone remaining in the car. Improper use of the sunroof can be dangerous. Before and during its operation ensure that any passengers are not at risk from the moving roof either by personal objects getting caught in the mechanism or by being injured by it directly.

ANTI-CRUSHING SAFETY SYSTEM

Sunroof is fitted with anti-crushing safety system that detects the presence of an obstacle during sunroof closing stroke and that cuts in by stopping and reversing the sunroof stroke.

INITIALISATION PROCEDURE

Sunroof shall be re-initialised after disconnecting the battery or if the relevant protection fuse is blown.

Proceed as follows:

❒ press button **A-fig. 68** at close position;

❒ keep the button pressed to close completely by steps the sunroof;

❒ after full closing, wait for sunroof motor stopping.

When leaving the car, the ignition key should be removed to prevent the sunroof from being operated inadvertently and harming anyone remaining in the car. Improper use of the sunroof can be dangerous. Before and during its operation ensure that any passengers are not at risk from the moving roof either by personal objects getting caught in the mechanism or by being injured by it directly.

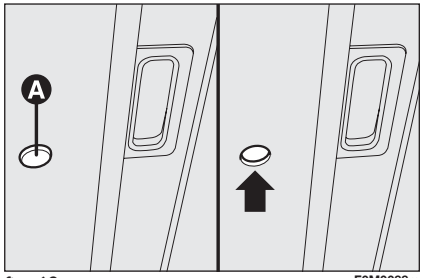


fig. 69 F0M0088m

EMERGENCY OPERATION

If the switch does not work, the sunroof can be operated manually as follows:

❒ remove the protection cap set between the two sun curtains;

❒ take the setscrew wrench (provided as standard) from the tool bag in the boot;

❒ fit the wrench into **A-fig. 69** and turn it:

– clockwise to open the sunroof;

– counter-clockwise to close the sunroof.

DOORS

CENTRAL DOOR LOCKING/UNLOCKING SYSTEM

Locking from the outside

With the doors closed, press the button 🔒 on the remote control **fig. 70** or fit and turn clockwise the metal insert into the driver's door lock **fig. 71**. Door locking is indicated by the turning on of the button led **A-fig. 72**. Door locking is only possible if all the doors are closed. Opening one or more doors by pressing the button 🔒 on the remote control **fig. 70** will make the direction indicators and the button led **A-fig. 72** flash quickly for about 3 seconds.

Opening one or more doors by turning the metal insert of the key will make only the button led **A-fig. 72** flash quickly for about 3 seconds. If the doors are closed but the boot is open door locking will be engaged: direction indicators (only for locking performed by pressing button 🔒 **fig. 70**) and the button led **A-fig. 72** will flash quickly for about 3 seconds.

With this function active it is however possible to open the other doors by pressing button **A-fig. 72** on the central console.

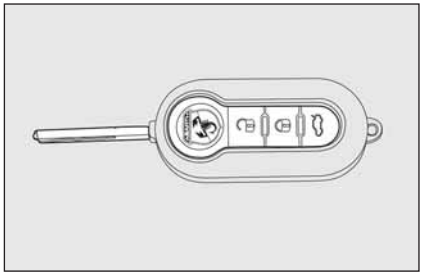


fig. 70 F0M101Ab

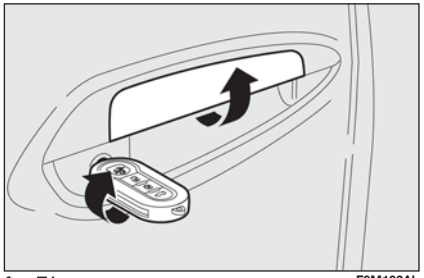


fig. 71 F0M102Ab

Pressing twice briefly the button 🔒 on the remote control **fig. 70** will engage the dead lock device (see paragraph "Dead lock device").

Door unlocking from the outside

Briefly press button 🔒 **fig. 70** to obtain remote door unlocking, timed ceiling light turning on, directions indicator double flashing or fit the metal insert into the driver's door lock and turn it counter-clockwise as shown in **fig. 71**.

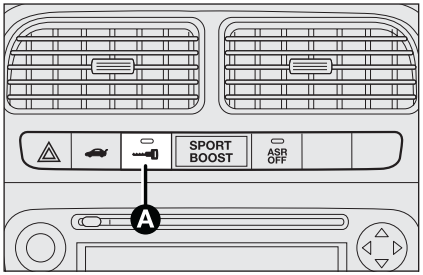


fig. 72 F0M076Ab

Door locking/unlocking from the inside

Press button **A-fig. 72** to lock/ unlock all the doors. The button has a led showing the door condition (locked or unlocked). When doors are locked the button led is on and pressing the button will obtain central unlocking of the doors and turning off of the led. 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.

After locking doors by:

❒ remote control;

❒ door revolving plug;

it will not be possible to unlock the doors by pressing button **A-fig. 72** set on the dashboard.

IMPORTANT With central locking system on, pulling the internal door handle of one of the front doors will unlock that door. Pulling the internal door handle of one of the rear doors will unlock the relevant door.

Lacking power (blown fuse, battery disconnected, etc.) it is however possible to lock the doors manually.

After exceeding 20 km/h speed, doors will be locked automatically if the set up menu function has been selected (see paragraph "Multifunction display" in this section).

DEAD LOCK DEVICE (for versions/markets, where provided)

This safety device enables to inhibit:

❒door internal handles;

❒ locking/unlocking button **A-fig. 72**;

thus hindering doors opening from inside the passenger's compartment in case of attempt to break-into (e.g.: window breaking).

The dead lock device guarantees the best protection against unwanted access. Therefore, it should be actuated every time the car is parked and left unattended.

WARNING

Once the dead lock device has been actuated, doors cannot be opened from the passenger's compartment in any way whatsoever. For this reason, make sure there are no person left inside the car. If the battery of the key with remote control is down, the dead lock device can be deactivated only by fitting the metal insert of the key in both front door revolving plugs as described previously.

Device activation

The dead lock device is automatically activated on every door when pressing twice briefly the remote control button 🔒, **fig. 70**.

Device activation is indicated by 3 flashing of direction indicators and flashing of the button led **A-fig. 72** located on the dashboard.

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

Device deactivation

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

❒ when opening the driver's door using the key without remote control;

❒ when unlocking doors using the remote control;

❒ turning the ignition key to **MAR**.

POWER WINDOWS/ WINDOW WINDERS

On the driver side front door's arm rest there are two switches **fig. 73** which, with starter's key in **MAR** position, control the following:

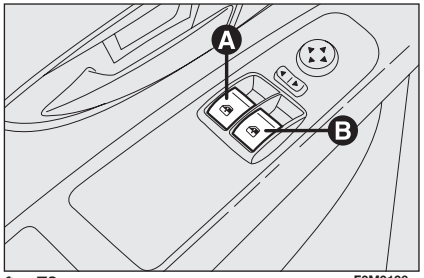


fig. 73

A to open/close the left front window;

B to open/close the right front window.

Automatic continuos operation

The driver side front door's window is provided with an up-down automatic device.

The window screen starts uplift pressing the relevant switch for more than half a second. The window screen stops its upstroke when reaching the final up position or when the switch is pressed again.

IMPORTANT With ignition key at **STOP** or removed, the power windows remain activated for about 2 minutes and are deactivated immediately the moment a door is opened.

IMPORTANT On certain versions, pressing the remote control button 🔓 for over 2 seconds will open the windows whereas pressing the remote control button 🔒 for over 2 seconds will close them.

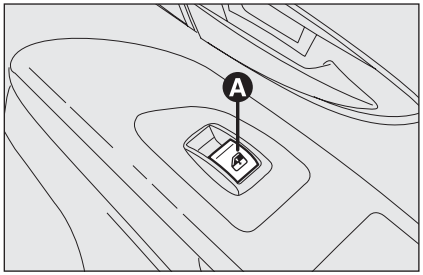


fig. 74 F0M018Ab

Front and rear passenger door windows (for versions/markets, where provided)

Front passenger door armrest and rear door armrests feature the switches **A-fig. 74** to be used for controlling the corresponding window.

WARNING

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.

Window safety system initialisation

Safety system shall be re-initialised after disconnecting the battery or if the relevant protection fuse is blown.

Initialisation procedure:

❒ fully close manually the window to initialise;

❒ after window stopping, keep on pressing the closing control for at least 1 second.

BOOT

The addition of objects (speakers, spoilers, etc.) on the rear shelf or 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 "Technical specifications" chapter). Also make sure the items in the boot are arranged properly to prevent them being thrown forwards and injuring passengers should you brake sharply.

WARNING

Never travel with objects on the rear shelf to prevent them being thrown forwards and injuring passengers in case of accident or sharp braking.

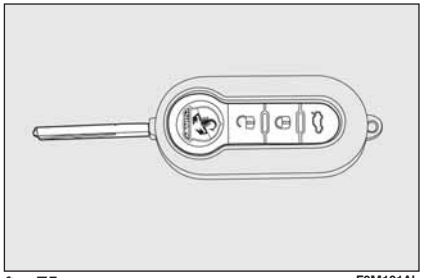


fig. 75 F0M101Ab

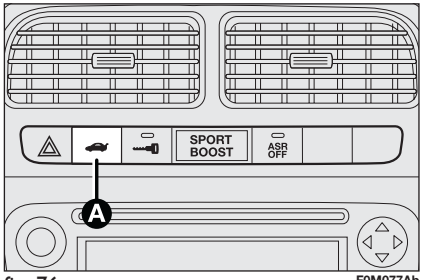


fig. 76 F0M077Ab

OPENING THE TAILGATE

The tailgate can be opened at any time from the passenger's compartment by pressing button **A-fig. 76**.

The tailgate can be opened from the outside by pressing the remote control button , **fig. 75**.

Tailgate opening is indicated by double flashing of direction indicators.

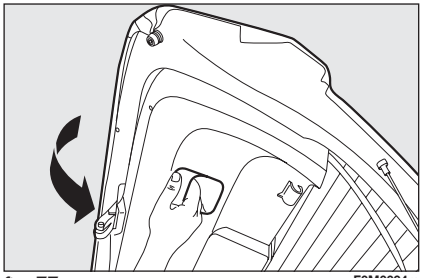


fig. 77 F0M0094m

TAILGATE CLOSING

Lower the tailgate until hearing the locking click **fig. 77**.

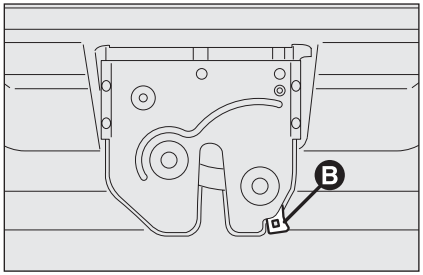


fig. 78 F0M0095m

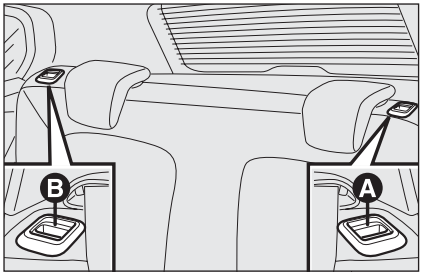


fig. 79 F0M086Ab

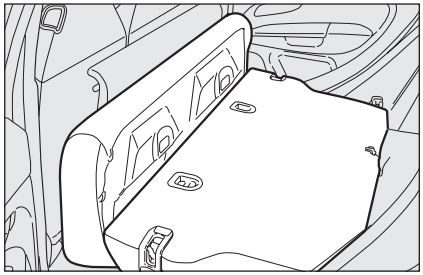


fig. 80 F0M087Ab

TAILGATE EMERGENCY OPENING fig. 78

To open the tailgate from the passenger's compartment if the car battery is flat or the electric tailgate lock is faulty, proceed as follows:

❒ tilt the rear seats (see paragraph "Extending the boot" in this section);

❒ press lever **B** in the boot.

Total extension fig. 80

Tilt the rear seat completely to obtain maximum boot extension.

Proceed as follows:

❒ lower completely the rear seat head restraints;

❒ check that the seat belt is not twisted;

❒ tilt cushions;

❒ lift handles **A** and **B-fig. 79** to release the backrests and guide them onto the cushion.

IMPORTANT If after tilting the rear seat, you have to remove the rear parcel shelf, position it as shown in **fig. 82**.

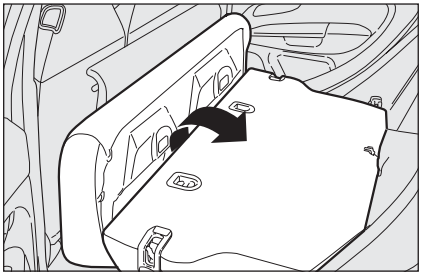


fig. 81 F0M088Ab

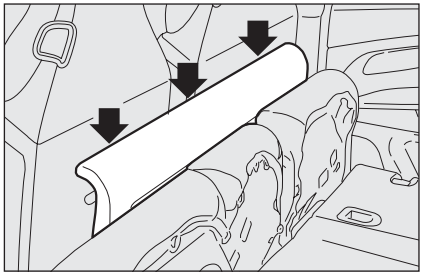


fig. 82 F0M020Ab

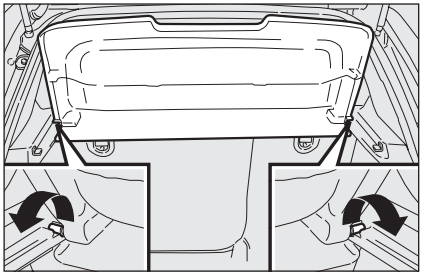


fig. 84 F0M0222m

To return the rear seat back to its original position fig. 81

Raise the seat backrests and push them back until hearing the locking click of both retainers.

Position seat belt buckles upwards and set the cushion in the normal position of use.

IMPORTANT When the backrest is properly secured, the "red band" on levers shall no longer be visible. The "red band" actually indicates that the backrest is not properly secured. Make sure the head restraints are properly positioned.

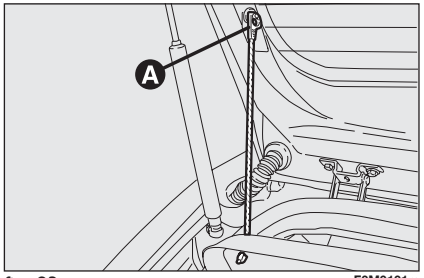


fig. 83 F0M0101m

Make sure the backrest is properly secured at both sides (red bands not visible) to prevent it moves forward in the event of sharp braking causing injuries to passengers.

REMOVING THE REAR PARCEL SHELF

To remove the rear parcel shelf to extend the boot: release the upper ends **A-fig. 83** by removing the eyelets from the pins, release and turn the rear parcel shelf from its seat and then release both pins **fig. 84** from side seats.

Once removed, the rear parcel shelf can be positioned between front seat back rests and the folded cushion of the rear seat **fig. 82**.

CARGO BOX
(for versions/markets, where provided)

The cargo box, see **fig. 87**, is set in the boot, it can be used to house items and it enables to have a level loading surface.

IMPORTANT To place loads on the Cargo box surface, keep the long bar in central position. Max. admitted load is 50 kg.

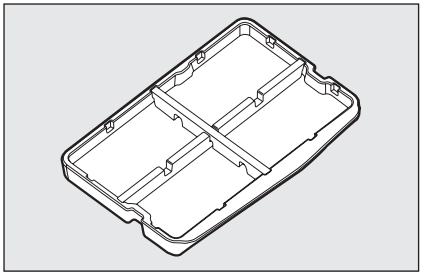


fig. 87 F0M0175m

BONNET

TO OPEN THE BONNET

Proceed as follows:

- ❒ pull lever **fig. 88** in the direction of the arrow;
- ❒ pull lever **A-fig. 89** as shown in the figure;
- ❒ lift the bonnet and at the same time release the rod **D-fig. 90** from the catch, then fit the rod end **C-fig. 91** into the bonnet recess **E**.

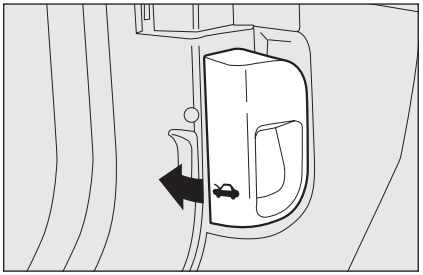


fig. 88 F0M021Ab

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

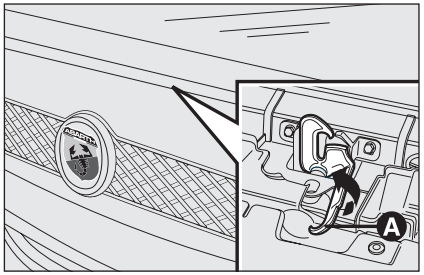


fig. 89 F0M022Ab

TO CLOSE THE BONNET

Proceed as follows:

❒ hold the bonnet up with one hand and with the other remove rod **C-fig. 91** from recess **E** and fit it back into its catch **D-fig. 90**;

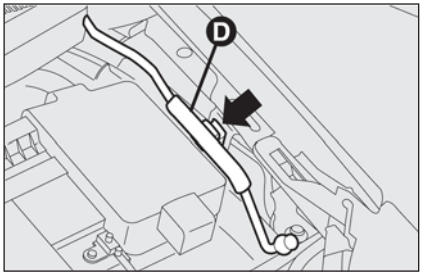


fig. 90 F0M103Ab

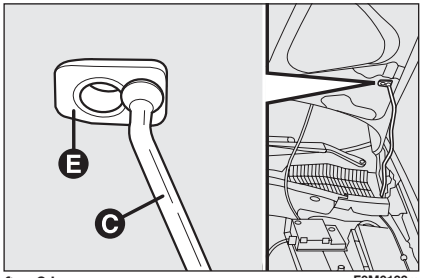


fig. 91 F0M0133m

❒ 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.

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

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.

WARNING

If the supporting rod is not positioned correctly the bonnet may fall violently.

WARNING

Carry out operations only when the car is stationary.

ROOF RACK/SKI RACK

Front couplings are set at points **A-fig. 92**.

Front couplings are set at points **B** near the silk-screen printing (▼) on rear side windows.

WARNING

After travelling a few kilometres, check that the coupling fastening screws are tight.

Strictly comply with current law regulations concerning max. overall dimensions.

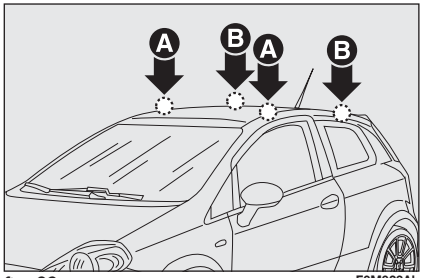


fig. 92 F0M023Ab

IMPORTANT Strictly follow the installation instructions contained in the kit. Installation hall be carried out by skilled personnel.

WARNING

Distribute the load evenly and when driving, bear in mind the increased sensitivity of the car to side wind.

Never exceed the permitted weight (see section "Technical specifications").

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 Abarth Dealership to have the headlights properly adjusted.

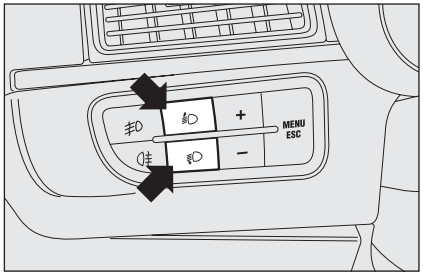


fig. 93 F0M0103m

HEADLIGHT AIMING DEVICE

It works with ignition key at **MAR** 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.

To adjust the headlight slant fig. 93

Press buttons and set on the control panel.

The display located on the instrument panel, provides the visual indication of the positions during the adjustment operation.

Position **0** - one or two passengers on front seats.

Position **1** - five passengers.

Position **2** - five passengers + load in the boot.

Position **3** - driver + maximum admitted load in the boot.

IMPORTANT Check beam aiming every time the load carried changes.

ADJUSTING THE FRONT FOG LIGHTS (for versions/markets, where provided)

Contact Abarth Dealership to have the headlights properly adjusted.

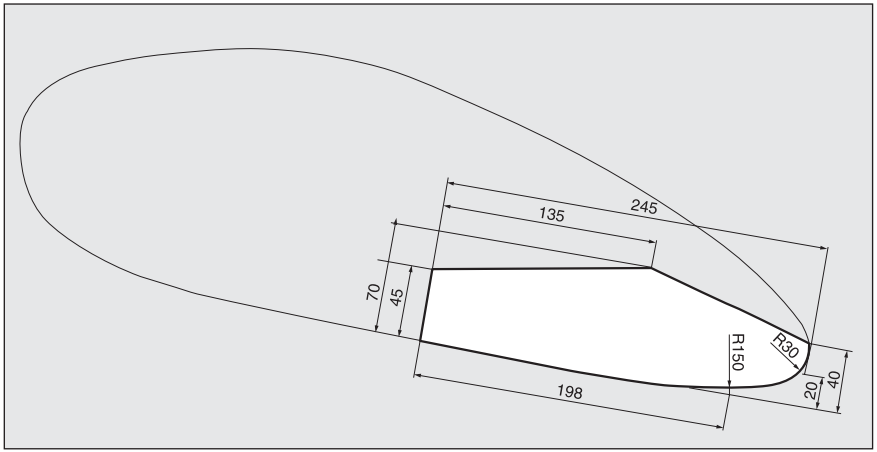


fig. 94 F0M0105m

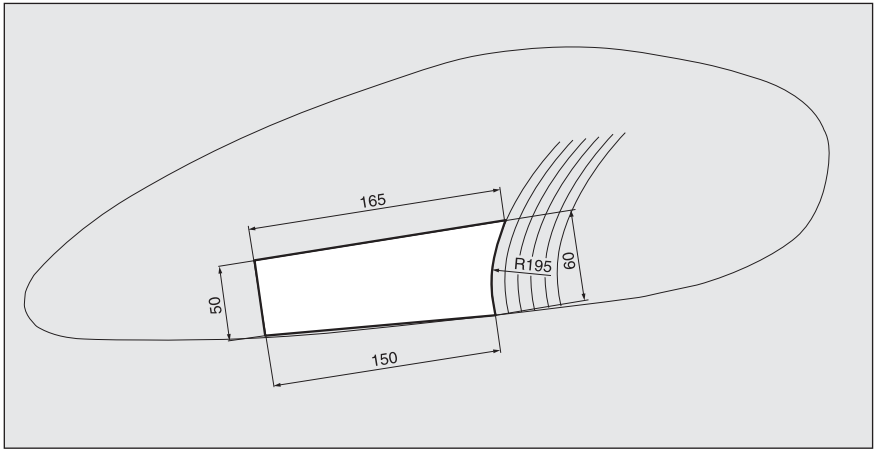


fig. 95 F0M0106m

HEADLIGHT BEAM ADJUSTMENT ABROAD fig. 94-95

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, it is necessary to cover the areas of the headlight using a special sticker tape provided for the purpose.

Suitable sticker tape is provided in Lineaccessori Abarth and it is available at Abarth Dealership.

ABS SYSTEM

If this is the first car with ABS you drive, get familiar with it by some preliminary "driving tests" on poor grip roadbeds, obviously under safety conditions and in compliance with the traffic regulations of the Country you are driving in. Read carefully the following instructions.

The car is fitted with an 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 difficulty 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 (with new car after replacing brake pads/discs): during this period it is better to avoid sharp, repeated and prolonged brakes.

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.

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.

FAILURE INDICATIONS

ABS failure

ABS failure is indicated by the turning on of warning light (ABS) on the instrument panel together with the dedicated message on the multifunction display (for versions/markets, where provided), (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 Abarth Dealership to have the system checked.

EBD failure

EBD failure is indicated by the turning on of warning lights (ABS) and (!) on the instrument panel together with the dedicated message on the multifunction display (where provided), (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 nearest Abarth Dealership to have the system checked.

WARNING

If warning light (!) alone comes on (together with the message on the multifunction display, where provided), stop the car immediately and contact the nearest Abarth Dealership. Fluid leaks from the hydraulic system, in fact, can compromise the braking system, both traditional systems and systems with ABS.

BRAKE ASSIST (emergency braking assistance integral with ESP) (for versions/markets, where provided)

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 thus supporting the driver to obtain prompt and effective braking.

Brake Assist is deactivated on the versions equipped with ESP, in the event of ESP system failure (indicated by warning light Ⓐ switching on together with the message on the multifunction display, where provided).

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.

ESP SYSTEM (Electronic Stability Program)

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

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

In addition to the ESP system, ASR system and Hill Holder, (for versions/markets, where provided) also the MSR system (adjusting the engine braking torque) and the HBA system (improving the braking force during emergency braking) are provided.

ABS SYSTEM INTERVENTION

It is signalled 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.

ESP SYSTEM ACTIVATION

The ESP system is automatically activated when the car is started and cannot be de-activated.

FAILURE INDICATIONS

In the event of failure, the ESP system is automatically disconnected, the warning light ⚠, comes on with fixed light on the instrument panel, together with the message on the multifunction display (where provided) (see section "Warning lights and messages") and with the button led ASR OFF. In this case contact a Abarth Dealership as soon as possible.

WARNING

Performance of the ESP 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 and traffic. Road safety is always the driver's responsibility.

HILL HOLDER SYSTEM

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

It will activate automatically with the following conditions:

- ❒ uphill: vehicle stationary on a road with a gradient of more than 5%, engine running, brake pressed and gearbox in neutral or gear other than reverse engaged;
- ❒ downhill: vehicle stationary on a road with a gradient of more than 5%, engine running, brake pressed and reverse gear engaged.

At pickup the ESP system control unit will keep brake force on wheels until reaching the torque suitable for starting, or in any case for max. 2 seconds in order to pass easily from the brake pedal to the accelerator pedal.

After two seconds 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 INDICATIONS

System failure is indicated by the turning on of warning light on the instrument panel with digital display and warning light on the instrument panel with multifunction display (where provided) (see section "Warning lights and messages").

IMPORANT The Hill Holder system is not a parking brake therefore, never leave the car without having engaged the handbrake, turned the engine off and engaged the first speed.

WARNING

For correct operation of the ESP and ASR systems, 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.

ASR SYSTEM (Antislip Regulator)

The ASR function 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 the 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

For correct operation of the ESP and ASR systems, 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.

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.

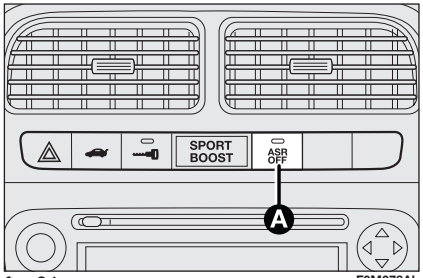


fig. 96

Switching the system on/off fig. 96

The ASR system switches on automatically each time the engine is started.

When travelling, the ASR can be switched off and on again pressing button **A** set on the dashboard **fig. 96**.

When the ASR is switched off this is shown by the lighting up of the led on the button and by relevant message on the multifunction display, where provided.

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.

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.

For correct operation of the ASR 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.

FAILURE INDICATIONS

In the event of malfunctioning, the ASR system is automatically disconnected and the warning light will come with fixed light on the instrument panel together with the message on the multifunction display, where provided, (see section "Warning lights and messages"). In this case contact Abarth Dealership as soon as possible.

EOBD SYSTEM

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 relevant message on the multifunction display, where provided) (see section "Warning lights and messages"), when these conditions are no longer in peak conditions.

The objective is:

- ❒ to keep the system efficiency under control;
- ❒ warn when a fault causes emissions levels to increase;
- ❒ 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, Abarth Dealerships are obliged to run a bench test and, if necessary, road tests which may also call for a long journey.

If turning the ignition key to MAR, the warning light does not turn on or if, while travelling it turns on glowing steadily or flashing (together with the message on the multifunction display, where provided), contact Abarth Dealership 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.

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

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

Pay the utmost attention when checking or inflating tyres. Excessive pressure impairs road holding, increases suspension and wheel stress and causes abnormal tyre wear.

WARNING

Tyre pressure should be checked with tyres rested and 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.

WARNING

The T.P.M.S. system helps the driver to monitor tyre pressure since the driver is the always responsible for proper inflation pressure of tyres and spare wheel (see paragraph "Wheels" in section "Car Maintenance").

IMPORTANT NOTES ABOUT THE T.P.M.S. SYSTEM

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.

IMPORTANT Strong radio- frequency noises could inhibit regular operation of the T.P.M.S. system. This condition is indicated by a dedicated message on the display that will disappear automatically as soon as radio-frequency noises will stop to disturb the system.

WARNING

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

WARNING

Replacing standard tyres with winter tyres and vice versa involves T.P.M.S. system set-up that shall be performed at Abarth Dealerships only.

WARNING

The T.P.M.S. system requires special equipment. Consult Abarth Dealership to know what type of accessories are compatible with the system (wheels, wheel caps, etc.). Using other accessories could cause system malfunctioning.

WARNING

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.

WARNING

If the car is fitted with T.P.M.S. system, when changing a tyre, change also the rubber seal of the valve. Contact a Abarth Dealership.

WARNING

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 Abarth Dealership to have tyre and/or rim changed.

WARNING

Strong radio-frequency noises could inhibit the regular operation of the T.P.M.S. system. This condition will be indicated by a message on the multfunction display (for versions/markets, where provided). The warning message will go off automatically as soon as the radio-frequency noise will stop to disturb the system.

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

Operation	Sensor presence	Failure indication	Abarth Dealership service operation
–	–	YES	Contact Abarth Dealership
Wheel change with spare wheel	NO	YES	Repair damaged wheel
Wheel change with snow tyres	NO	YES	Contact Abarth Dealership
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 Handbook and available at Lineaccessori Abarth.

(**) Not cross switched (tyres shall stay on the same side).

SPORT BOOST

The vehicle is equipped with a system allowing to choose between two driving modes: normal and sporting.

Pressing the SPORT BOOST button **fig. 98** sporting drive will be selected. This type of drive is featured by major acceleration readiness and higher effort required on the steering-wheel for a suitable drive control and feeling.

Moreover, pressing the SPORT BOOST button the overboost function will be started.

Switching this function on, the engine's electronic control unit allows, based on the accelerator foot pedal's position and for a limited time, to reach maximum pressure level within the supercharger and, as a consequence, to increase the engine torque in respect to the normal achievable value.

This function is particularly useful in case maximum performance is required for a short time (for example in phase of overtaking).

When the SPORT BOOST is on, the message "SPORT" will be displayed on the instrument panel's display. Press the relevant button again to switch off the SPORT BOOST and reset normal driving mode.

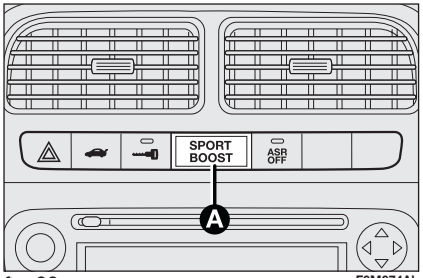


fig. 98 F0M074Ab

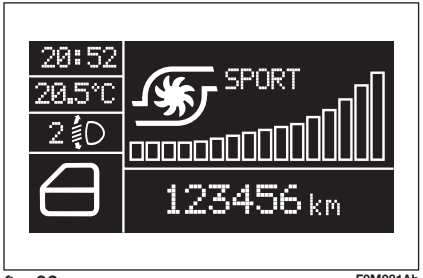


fig. 99 F0M081Ab

IMPORTANT Pressing the SPORT BOOST button, the function takes nearly 5 seconds to start.

IMPORTANT In phase of acceleration, with SPORT BOOST on, it is possible to experience jerks in driving as this is characteristic of sporting drive.

IMPORTANT While parking and executing a higher number of steering maneuvers, steering may get harder; this is normal as due to the intervention of the system protecting the electrical engine from overheating and therefore no repair operation is required. Once the maneuver is completed, power steering will be working normally again.

Acceleration

Sudden acceleration is extremely disadvantageous in terms of consumption and emissions: gradually and smoothly accelerate to contain consumption.

Using the SPORT BOOST, consumption is slightly higher than the standard declared values.

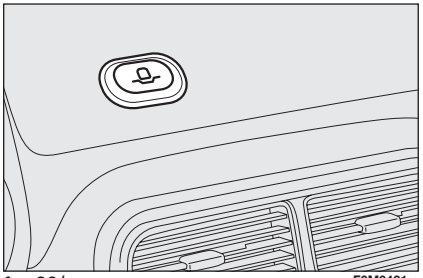


fig. 99/a

WIRING FOR NAVIGATION SYSTEM (MY PORT) (for versions/markets, where provided)

Some versions have wiring for the navigation system available from the Lineaccessori Fiat.

Insert the Navigation system into the housing shown in **fig. 99/a**.

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 Abarth Dealership, whose qualified personnel, besides suggesting the most suitable devices belonging to Lineaccessori Abarth, 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 vehicle and in after-market shall bear the following marking:

e CE

Fiat Auto S.p.A. authorizes the installation of transceivers, provided that installation is workmanlike performed in compliance with Manufacturer's specifications at a specialised service centre.

IMPORTANT The installation of devices involving modifications of vehicle characteristics may determine the withdrawal of the driving licence by the appointed public authorities and the forfeiture of the warranty as concerns defects/failures due to said modification or leading directly or indirectly to it.

Fiat Auto S.p.A. declines all responsibility due to damages connected with the installation of accessories/devices not supplied by or recommended by Fiat Auto S.p.A. and installed not in compliance with the specified prescriptions.

RADIO TRANSMITTERS AND CELLULAR TELEPHONES

Radio transceiver equipment (e.g.: e-tacs mobile phones, HAM radio systems and the like) shall not be used inside the car unless a separate aerial is mounted on the roof.

IMPORTANT The use of similar devices inside the passenger compartment (without separated aerial) produces radio-frequency electromagnetic fields which, amplified by the resonance effects inside the passenger compartment, may cause electrical 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 EC-approved mobile phones (GSM, GPRS, UMTS), strictly comply with the instructions for use provided by the mobile phone's manufacturer.

AT THE FILLING STATION

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.

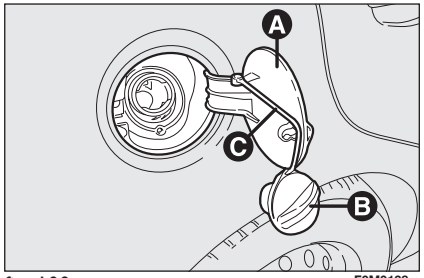


fig. 100

FUEL FILLER CAP fig. 100

To carry out fuelling, open lid **A** and unscrew cap **B**; the cap is fitted with an antiloss device **C** which fastens it to the lid so it cannot be mislaid.

On certain versions cap **B** is provided with a key-lock, to open it, open lid A, then turn the ignition key counter-clockwise and slacken the cap.

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

When refuelling, position the cap on the device inside the lid as shown in **fig. 100**.

WARNING

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

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.

PROTECTING THE ENVIRONMENT

The devices for curtailing emissions are the following:

❒ three-way catalytic converter;

❒ Lambda sensor;

❒ fuel evaporation system.

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

WARNING

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

SAFETY DEVICES

SEAT BELTS

USING THE SEAT BELTS fig. 1

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

To fasten the seat belts, take hold the tongue **A** 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.

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

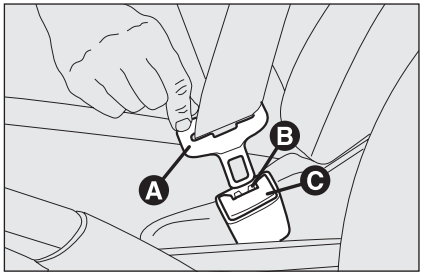


fig. 1 F0M0040m

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 speeds.

The rear seat is fitted with inertial seat belts with three anchor points and reel.

WARNING

Never press button C-fig. 1 when travelling.

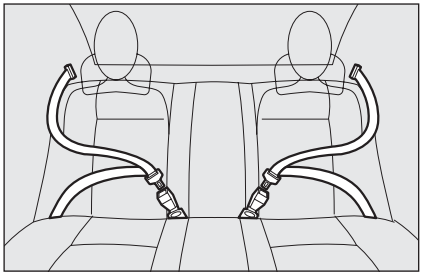


fig. 2 F0M025Ab

Rear seat belts shall be worn as shown in **fig. 2**.

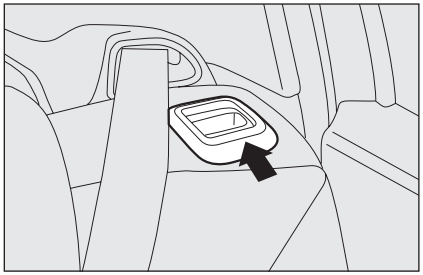


fig. 3 F0M0042m

IMPORTANT Correct backrest fastening is guaranteed when the "red band" on the backrest folding levers is no longer visible. The "red band" actually indicates that the backrest is not properly secured. Make sure the backrest is properly repositioned, you should hear the locking click.

IMPORTANT After putting the seats back to their travelling position, restore the seat belt position to make them ready for use.

WARNING

Remember that in the event of a violent collision, back seat passengers not wearing seat belts also represent a serious danger for the front seat passengers.

WARNING

Make sure the backrest is properly secured at both sides to prevent it moves forward in the event of sharp braking causing injuries to passengers.

S.B.R. SYSTEM

The car is fitted with the S.B.R. system (Seat Belt Reminder), consisting of a buzzer which, together with the turning on of warning light on the instrument panel, warns the driver to fasten the seat belt.

The buzzer can be deactivated (until the next engine stop) as follows:

- ❒ fasten the driver's and passenger's seat belt;
- ❒ turn the ignition key to **MAR**;
- ❒ wait for over 20 seconds and then release one of the seat belts.

For permanent deactivation, contact Abarth Dealership.

With multifunction display, the S.B.R. system can also be reset through the set-up menu.

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.

The seat belt locks to indicate that the device has intervened; the seat belt cannot be drawn back up even 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.

A small amount of smoke may be produced. This smoke is in no way toxic and presents no fire hazard.

The pretensioner does not require any maintenance or greasing.

Anything that modifies its original conditions invalidates its efficiency.

If due to unusual natural events (floods, seas storm, 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 a Abarth Dealership. Pretensioner validity is indicated on the label in the glove compartment: the pretensioners should be replaced at a Abarth Dealership 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 a Abarth Dealership for any assistance.

LOAD LIMITERS

To increase passenger's safety, the front 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.

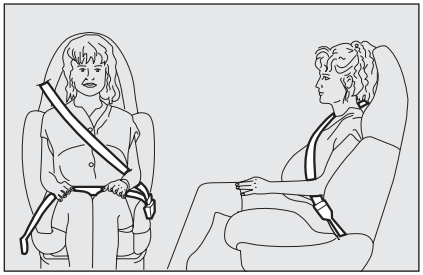


fig. 4 F0M026Ab

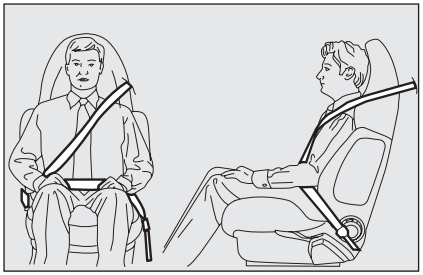


fig. 5 F0M027Ab


fig. 6 F0M028Ab

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, see **fig. 4**.

WARNING

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 and not the abdomen of the passenger, see fig. 5. Do not use any objects (pegs, stoppers, etc.) to keep the belts away from the body.

WARNING

For maximum safety, 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.

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 a Abarth Dealership.

WARNING

If the belt has been subjected to heavy stress, for example after and 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.

WARNING

Never travel with a child sitting on the passenger's lap with a single belt to protect them both. Do not fasten other objects to the body.

HOW TO KEEP THE SEAT BELTS ALWAYS IN EFFICIENT CONDITIONS

Observe the following:

- ❒ always use the belt with the tap taut and never twisted; make sure that it is free to run without impediments;
- ❒ after 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, their head is proportionally larger and heavier than the rest of the body, while the muscles and bone structure are not completely developed. Therefore, correct restraint systems are necessary, other than adult seat belts. The results of research on the best child restraint systems are contained in the European Standard EEC-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 Abarth offers seats for each weight group, which are the recommended choice, as they have been designed and experimented specifically for Abarth cars.

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, regardless of the seriousness of the crash that triggered it. You are advised to carry children always with proper restraint systems on the rear seats, as this is the most protected position in the case of a crash.

WARNING

SERIOUS DANGER Should it be absolutely necessary to carry a baby on the front passenger seat with a child's seat with the cradle facing backwards, deactivate the passenger's front and side bags (for chest and pelvis protection, for versions/markets, where provided) using the set up menu and then check warning light on the cluster to make sure that deactivation has actually took place. The front passenger's seat shall be adjusted in the most backward position to prevent any contact between child's seat and dashboard.

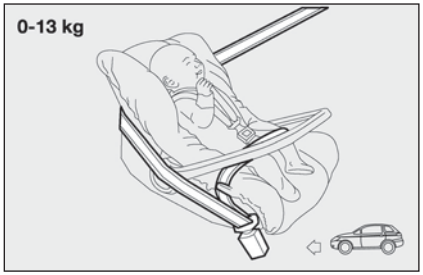


fig. 7 F0M0046m

fig. 8 F0M0047m

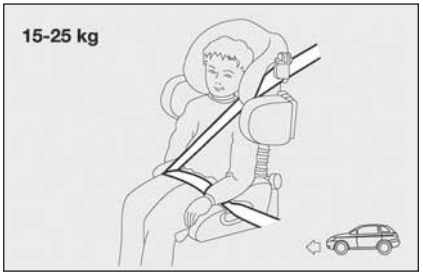


fig. 9 F0M0048m

GROUP 0 and 0+

Babies up to 13 kg must be carried facing backwards 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 **fig. 7** and in turn it must restrain the child with its own belts.

GROUP 1

Starting from 9 kg to 18 kg in weight, children may be carried facing forwards, with seat fitted with front cushion, through which the car seat belt restrains both child and seat **fig. 8**.

GROUP 2

Starting from 15 kg to 25 kg in weight, children may be restrained directly by the car belts **fig. 9**. 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.

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.

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.

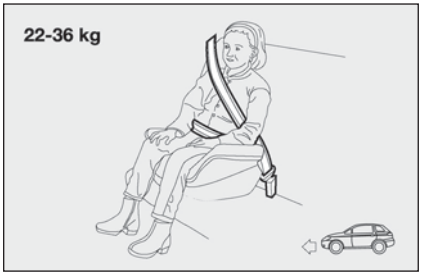


fig. 10

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. 10 shows proper child seat positioning on the rear seat.

Children taller than 1.50 m can wear seat belts like adults.

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.

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 table:

Group	Range of weight	Front passenger	Rear passenger
Group 0, 0+	up to 13 kg	U (▼)	U
Group I	9-18 kg	U (▼)	U
Group 2	15-25 kg	U (▼)	U
Group 3	22-36 kg		

Key:

U = suitable for child restraint systems of the "Universal" category, according to European Standard EEC-R44 for the specified "Groups".

(▼) on cars not fitted with passenger's seat adjustable in height, the seat back shall be positioned perfectly upright.

Below is a summary of the rules of safety to be followed for carrying children:

1) The recommended position for installing child's seat is on the rear seat, as it is the most protected in the case of a crash.

2) If the passenger's air bag is deactivated always check the amber warning light on the cluster to make sure that it has actually been deactivated.

3) 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.

4) Always check the seat belt is well fastened by pulling the webbing.

5) Only one child is to be strapped to each retaining system.

6) Always check the seat belts do not fit around the child's throat.

7) While travelling, do not let the child sit incorrectly or release the belts.

8) Passengers should never carry children on their laps. No-one, however strong they are, can hold a child in the event of a crash.

9) In case of an accident, replace the child's seat with a new one.

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, regardless of the seriousness of the crash that triggered it. You are advised to carry children always with proper restraint systems on the rear seats, as this is the most protected position in the case of a crash.

PRESETTING FOR MOUNTING THE "UNIVERSAL ISOFIX" CHILD RESTRAINT SYSTEM

This car is preset for mounting the Universal Isofix child restraint system, a new European standardised system for carrying children safely.

Fig. 11 shows an example of child's restraint system.

The Universal Isofix child's seat covers weight group: 1.

Due to its different anchoring system, the Universal Isofix child's seat shall be anchored to the proper lower metal rings **A-fig. 12**, set between rear seat back and cushion. The upper belt (provided with the child's seat) shall be then secured to ring **B-fig. 13** set at the back of seat back rest at child's seat level.

It is possible to mount at the same time both the traditional restraint system and the "Universal Isofix" one.

Remember that in case of "Universal Isofix" child's seat, you can only use all those seats approved with the marking ECE R44/03 "Universal Isofix".

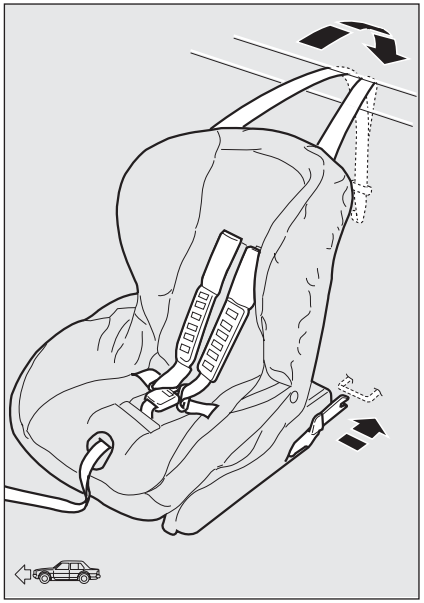


fig. 11 F0M0253m

"Universal Isofix" "Duo Plus" child's seat is available at Lineaccessori Abarth.

For any further installation/use detail, refer to the "Instructions Manual" that must be provided by the child restraint system Manufacturer.

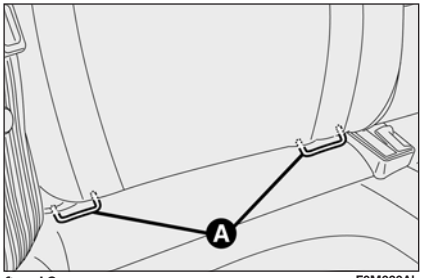


fig. 12 F0M030Ab

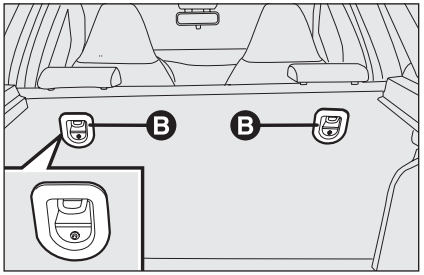


fig. 13 F0M029Ab

WARNING

Mount the child restraint system only with the car stationary. The Isofix child restraint system is properly anchored to the mounting brackets when clicks are heard. In any case, keep to the installation instructions that must be provided by the child restraint system Manufacturer.

PASSENGER SEAT COMPLIANCE WITH REGULATIONS ON ISOFIX UNIVERSAL CHILD'S SEAT USE

The table below, according to ECE 16 European Directive, shows the different installation possibilities of Isofix restraint systems on seats fitted with Isofix Universal fasteners.

Range of weight	Child's seat direction	Isofix size group	Isofix position side rear
Group 0 - 0 to 10 kg	Facing backwards	E	IL
Group 0+ - 0 to 13 kg	Facing backwards	E	IL
	Facing backwards	D	IL
	Facing backwards	C	IL
Group I - 9 to 18 kg	Facing backwards	D	IL
	Facing backwards	C	IL
	Facing forwards	B	IUF
	Facing forwards	B1	IUF
	Facing forwards	A	IUF

IUF: suitable for Isofix child restraint systems to be set facing forwards, universal class (fitted with third upper fastener), approved for the weight group.

IL: suitable for Isofix Type child restraint systems, specific and approved for this type of car. The child's seat can be installed by moving forward the front seat.

FRONT AIR BAGS

The car is fitted with front air bags for the driver, for the passenger and with driver's knees air bag (for versions/markets, where provided).

The front driver / passenger air bags and the driver's knees air bag (for versions/markets, where provided) have been designed to protect the occupants in the event of head-on crashes of medium-high severity, by placing the cushion between the occupant and the steering wheel or dashboard.

Front air bags are designed to protect car's occupants in front crashes and therefore non-activation in other types of collisions (side collisions, rear shunts, rollovers, etc.) is not a system malfunction.

In case of crash, an electronic control unit, when required, triggers the inflation of the cushion. The cushion immediately inflates, placing itself as a protection between the body of the front occupants and the structure that could cause injuries. Immediately after, the cushion deflates.

The front driver / passenger air bags and the driver's knees air bag (for versions/markets, where provided) 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.

The volume of front air bags at max. inflation fills most of the space between the steering wheel and the driver and between the dashboard and the passenger.

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 bag may not be activated in the following situations:

- ❒ in 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), 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 air bag inflation and also cause serious injury.

In minor crashes (for which the restraining action of the seat belts is sufficient), the air bags are not deployed. Also in this case it is of vital importance to wear the seat belts since in case of side crash they guarantee proper positioning of the occupant and prevent the occupants to be pitched out of the car in case of violent crashes.

DRIVER'S FRONT AIR BAG fig. 14

It consists of an instant-inflating cushion contained in a special recess in the centre of the steering wheel.

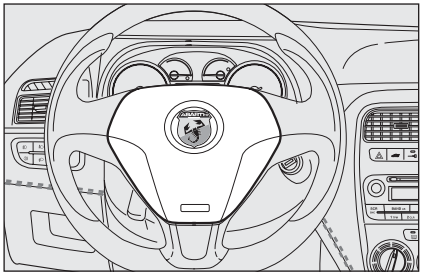


fig. 14 F0M031Ab

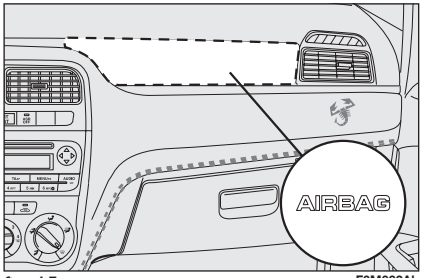


fig. 15 F0M032Ab

PASSENGER'S FRONT AIR BAG fig. 15

It consists of an instant-inflating cushion contained into a special recess in the dashboard, this cushion has a volume bigger than that of the driver.

WARNING

SERIOUS DANGER: With passenger's air bag active (ON), never place child's seats with the cradle facing backwards since the air bag activation could cause to the child serious injuries, even mortal. In the case of need, always deactivate the passenger's air bag when a child's seat is placed on the front seat. The front passenger's seat shall be adjusted in the most backward position to prevent any contact between child's seat and dashboard. Even if not compulsory by law, you are recommended to reactivate the air bag immediately as soon as child transport is no longer necessary.

MANUAL DEACTIVATION OF PASSENGER'S FRONT AIR BAG AND SIDE BAG

(for versions/markets, where provided)

Should it be absolutely necessary to carry a child on the front seat, the passenger's front air bag and the Side Bag (for versions/markets, where provided) can be deactivated.

The instrument panel warning light will stay on glowing steadily until reactivating the passenger's front air bag and the Side Bag (for versions/markets, where provided).

WARNING

To deactivate the passenger's front air bag and the Side Bag (for versions/markets, where provided), refer to paragraph "Reconfigurable multifunction display" in section "Dashboard and controls".

SIDE AIR BAGS

The car is fitted with front side bags for driver and passenger (for versions/ markets, where provided) for protecting the chest and window bags (for versions/ markets, where provided) for protecting front and rear passengers' head.

Side bags (for versions/markets, where provided) 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 bags (for versions/markets, where provided) 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.

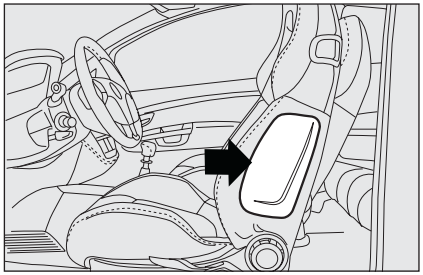


fig. 16

FRONT SIDE BAGS - CHEST AND PELVIS ZONE PROTECTION fig. 16 (for versions/markets, where provided)

Front side bags are housed in the seat back rests, they consist of an instant inflation cushion designed to increase protection of the occupants' chest and pelvis zone in the event of a side crash of medium-high severity.

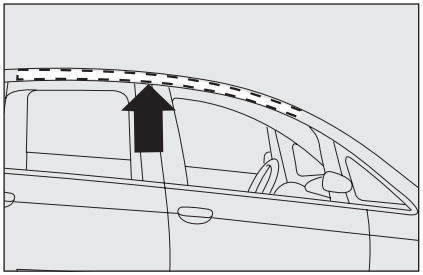


fig. 17

SIDE WINDOW BAGS - HEAD PROTECTION fig. 17 (for versions/markets, where provided)

They consist of two "curtain" cushions, one on the right and the other on the left side of the car, located behind the side coverings of the roof and covered by proper finishing.

Window bags have been designed for protecting the head of front and rear occupants in the event of side crash, thanks to the wide cushion inflation surface.

IMPORTANT In the event of side crash, you can obtain the best protection by the system keeping a correct position on the seat, allowing thus a correct window bag unfolding.

IMPORTANT The front air bags and/or side bags may be deployed if the car is subject to heavy knocks or accidents involving the underbody area, such as for example violent shocks, against steps, kerbs or low obstacles, falling of the car in big holes or sags in the road.

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.

Expiration dates of pyrotechnic charge and coil contact are indicated on the label inside the glovebox. As these dates approach, contact Abarth Dealership to have them replaced.

IMPORTANT Should an accident occur in which any of the safety devices is activated, take the car to a Abarth Dealership 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 Abarth Dealership.

If you are having the car scrapped, have the air bag system deactivated at a Abarth Dealership 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 Handbook".

IMPORTANT The triggering of pretensioners, front air bags and side bags is decided in a differentiated manner by the electronic control unit, depending on the type of crash. The failure to deploy one or more of them does not mean that the system is not working properly.

WARNING

Never rest head, arms and elbows on the door, on the windows and in the window bag area to prevent possible injuries during inflation phase.

WARNING

Never lean head, arms and elbows out of window.

GENERAL WARNINGS

WARNING

If when turning the key to MAR the warning light does not turn on or if it stays on when travelling (with the message on the reconfigurable multifunction 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 Abarth Dealership immediately to have the system checked.

WARNING

Do not cover the backrest of front and rear 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

Remember that with the key engaged and at MAR, even if the engine is not running, 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 at STOP, 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

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 Abarth Dealership.

WARNING

When the ignition key is turned to MAR, the warning light (with passenger's front air bag active) turns on and flashes for few seconds to remind that passenger's air bag will be deployed in a crash, after which it should go off.

WARNING

Do not wash the seat back rest 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 that the pretensioners. For impacts between these two thresholds, it is therefore normal that only the pretensioners are triggered.

WARNING

Do not hook rigid objects to the coat hooks and to the support handles.

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.

CORRECT USE OF THE CAR

ENGINE STARTING

The car is fitted with an electronic engine lock device: if the engine fails to start, see the paragraph "The Fiat CODE system" in section "Dashboard and controls".

The engine may be noisier than usual during the first seconds of operation, especially after it has not been used for a while. This characteristic feature does not compromise functionality or reliability of the hydraulic tappets: the timing system devised to limit servicing.

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 key into the ignition switch 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.

WARNING

Remember that the servobrake and power steering are not operational until the engine has been started, therefore much effort than usual is required on the brake pedal and steering wheel.

Proceed as follows:

❒ ensure that the handbrake is up;

❒ put the gear lever into neutral;

❒ press the clutch pedal down to the floor without touching the accelerator;

❒ turn the ignition key to **AVV** and let it go the moment the engine starts.

If the engine does not start at the first attempt, return the ignition key to **STOP** before repeating starting.

If, when the ignition key is at **MAR**, warning light remains lit together with warning light turn the key to **STOP** STOP and then back to **MAR**; if the warning light remains on, try with the other keys provided with the car.

IMPORTANT If the instrument panel warning light stays on glowing steadily, contact immediately Abarth Dealership.

IMPORTANT Never leave the ignition key to **MAR** when the engine is off.

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.

Remember that the servo-brake and power steering are not operational until the engine has been started, therefore much effort than usual is required on the brake pedal and steering wheel.

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.

STOPPING THE ENGINE

Turn the ignition to **STOP** while the engine is idling.

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.

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.

PARKING THE CAR

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 key in the ignition switch to prevent draining the battery. Always remove the key when you leave the car.

WARNING

Never leave children unattended in the car. Always remove the ignition key when leaving the car and take it out with you.

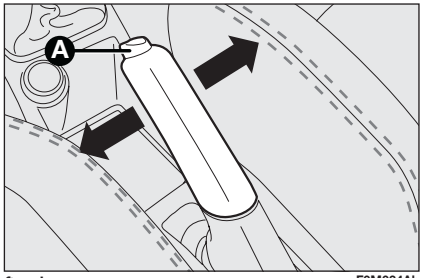


fig. 1 F0M034Ab

HANDBRAKE fig. 1

The handbrake lever is located between the two front seats.

Pull the handbrake lever upwards until the car cannot be moved. Four or five clicks are generally enough when the car is on level ground while nine or ten may be required if the car is on a steep slope or laden.

IMPORTANT If this is not the case, contact Abarth Dealership to have the handbrake adjusted.

When the handbrake lever is pulled up and the ignition key is at **MAR**, the instrument panel warning light (!) will turn on.

To release the handbrake:

❒ slightly lift the handbrake and press release button **A**;

❒ keep button **A** pressed and lower the lever. Warning light (!) will turn off.

Press the brake pedal when carrying out this operation to prevent the car from moving accidentally.

USING THE MANUAL GEARBOX

To engage the gears, press the clutch pedal fully and shift the gear lever into one of the required positions (the diagram is shown on the knob **fig. 2**).

To engage the 6th gear, move the gearshift lever pressing slightly rightwards to prevent engaging the 4th gear accidentally. Do the same for shifting from 6th to 5th gear.

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 2 seconds with the clutch pedal fully down to prevent damage and grating of the gears.

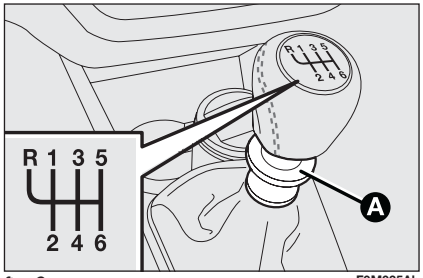


fig. 2

To engage reverse **R** (6-speed gearbox) from neutral, proceed as follows: raise ring **A** under the knob and at the same time move the gearshift lever leftwards and then forward **fig. 2**.

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 the 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 over time to premature wear on the gearbox internal components.

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 (on average up to +20%). When the temperature outside the car permits it, use the air vents where possible.

Spoilers

The use of non-certified aerodynamic items may adversely affect air drag and consumption levels.

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 (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.

Fit a suitable towing stabilizer to the trailer to be towed.

WARNING

The ABS system with which the car may be fitted does not control the trailer braking system. Therefore be cautious on slippery roads.

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's hydraulic system.

INSTALLING THE TOW HOOK

The towing device should be fastened to the body by specialised personnel according to any additional and/or integrative information supplied by the Manufacturer of the device.

The towing device must meet current regulations with reference to 94/20/EC Directive and subsequent amendments.

For any version the towing device used must match the towable weight of the car on which it is to be installed.

For the electric connection a unified connector should be used which is generally placed on a special bracket normally fastened to the towing device, and a special ECU for external trailer light control shall be installed on the car.

For the electrical connection, 7 or 13 pin 12VDC connection is to be used (CUNA/UNI and ISO/DIN Standards). Follow the instructions provided by the car manufacturer and/or the tow hitch manufacturer.

An electric brake should be supplied directly by the battery through a cable with a cross section of no less than 2.5 mm^2.

IMPORTANT Electric brake or other device shall be used with running engine.

In addition to the electrical branches, the car's electric system can only be connected to the supply cable for an electric brake and to the cable for an internal light, though not above 15W.

For connections use the preset control unit with battery cable no less than 2.5 mm^2.

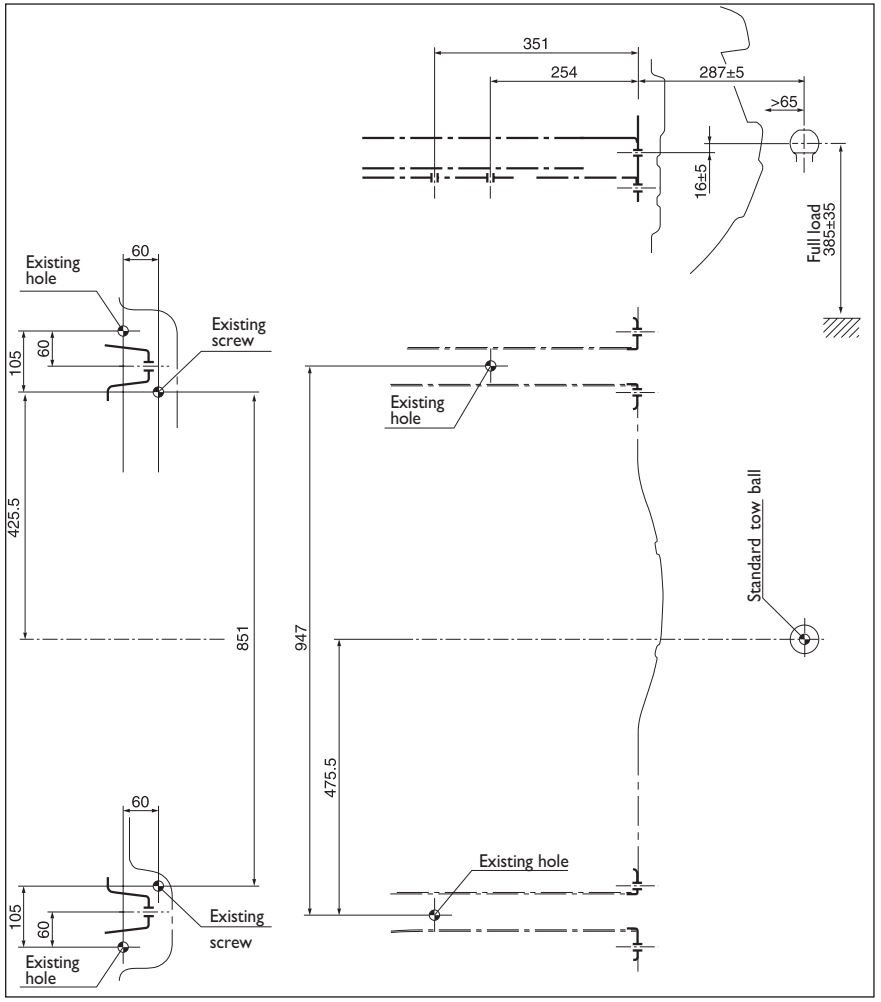


fig. 3

Assembly diagram fig. 3

The tow hook structure must be fastened in the points shown by the symbol ◔ using a total of 6 M10 screws.

The internal counterplates are to be at least 6 mm thick.

IMPORTANT It is compulsory to fasten a label (plainly visible) of suitable size and material with the following wording:

MAX LOAD ON BALL 60 kg

WARNING

After fitting, screw holes shall be sealed to prevent exhaust gas inlet.

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). We recommend using Lineaccessori Abarth snow chains.

Check the tension of the chains after the first few metres have been driven.

IMPORTANT With snow chains, use the accelerator with extreme care to prevent or to limit as much as possible slipping of the driving wheels that could cause chain breaking resulting in damages to the car body or mechanical components.

IMPORTANT Use 9 mm reduced size snow chains.

WARNING

The 215/45 R17 91Y pneumatic is not suitable to have chains on.

WARNING

Keep your speed down when snow chains are fitted. Do not exceed 50 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.

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 the battery negative terminal and check the battery charge. This check is to be repeated every three months. Recharge if the optical indicator shows a dark colour without the central green area;
- ❒ 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 Where relevant, switch off the car alarm with the remote control.

WARNING LIGHTS AND MESSAGES

WARNING LIGHTS AND MESSAGES

GENERAL WARNINGS

Turning on of warning light is accompanied by specific message and/or by buzzer sound where provided by instrument panel. These indications are **concise and cautionary** and shall not be considered as exhaustive and/or as an alternative to the specifications contained in this Owner Handbook which shall always be read through carefully and thoroughly. In case of failure indication **always refer to the specifications contained in this section**.

IMPORTANT Failure indications displayed are divided into two categories: **very serious** and **less serious** failures.

Very serious failures are indicated by a repeated and prolonged warning "cycle".

Less serious failures are indicated by a limited warning "cycle".

The warning cycle of both failure categories can be stopped by pressing button **MENU ESC**. The instrument panel warning light will stay on until eliminating the fault.

LOW BRAKE FLUID (red)

HANDBRAKE ON (red)

Turning the ignition key in the **MAR** position the warning light turns on, it has to turn off after a few seconds.

Insufficient brake fluid

The warning light turns on when the level of the brake fluid in the reservoir drops under the minimum level, due to a probable loss of fluid from the circuit.

The display visualizes the specific message.

WARNING

If the warning light (!) turns on (together with the message on the display) while driving, stop immediately and refer to the Abarth technical assistance network.

Hand brake engaged

The light turns on when the hand brake is engaged.

If the car is in motion, on some versions there also is an associated acoustic warning signal.

IMPORTANT If the light turns on while the car is in motion, check that the hand brake is not engaged.

AIR BAG FAILURE (red)

Turning the ignition key in the **MAR** position the warning light turns on, it has to turn off after a few seconds.

If the warning light does not turn off this indicates a failure in the air bag system.

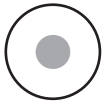
The display visualizes the specific message.

WARNING

If the warning light does not turn on while turning the ignition key in the MAR position or if it stays lighted while the car is in motion there may be a failure in the restraint systems; in this case the air bags or the pretensioners may be deactivated in the event of a collision or, in a limited number of cases, activate incorrectly. Before going on refer to the Abarth Dealership in order to have the system immediately inspected.

WARNING

The warning light failure (light off) is signalled by the flashing for over the normal 4 seconds of the light that signals that the passenger-side air bag is deactivated.



ENGINE COOLANT HIGH TEMPERATURE (red)

Turning the ignition key in the **MAR** position the warning light turns on, it has to turn off after a few seconds.

The light turns on when the engine is overheated.

If the light turns on the following steps must be followed:

- **if in normal driving conditions**: stop the vehicle, turn off the engine and check that the water level in the reservoir is not under the **MIN** mark. In this case wait a few minutes in order to let the engine cool down, then open slowly and very carefully the tap, fill up with the coolant, making sure that the coolant level is between the **MIN** and **MAX** marks on the reservoir. Besides visually check the presence of possible leaks of coolant. If the light turns on again after starting up the engine refer to the Abarth Dealership.
- **in case of demanding use of the vehicle** (for example during uphill hauling of trailers or when the vehicle is fully loaded): slow down and, if the light stays on, halt the car. Stop for 2 or 3 minutes keeping the engine on and slightly revved up in order to favour the active circulation of the coolant, after that turn off the engine. Check the level of the coolant in the reservoir as previously described.

IMPORTANT In case of very exacting routes it is advisable before turning off the engine to keep it on and slightly revved up for a few minutes.

The display visualizes the specific message.

LOW ENGINE OIL PRESSURE (red)

Turning the ignition key in the MAR position the warning light turns on, it has to turn off as soon as the engine is started.

The display visualizes the specific message.

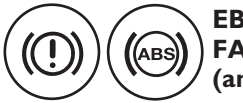
WARNING

If the warning light turns on (together with the message on the display) while driving, stop immediately and refer to the Abarth Dealership.

SEAT BELTS NOT FASTENED (red)

The light on the dashboard turns on and stays fixed when the vehicle is not in motion and the driver-side seat belt is not correctly fastened. The light will flash together with an acoustic warning signal (buzzer), when the car is in motion and the front seat belts are not correctly fastened. The buzzer of the S.B.R. system (Seat Belt Reminder) can be deactivated by the Abarth Dealership.

It is possible to reactivate the system by means of the set up menu.



EBD SYSTEM FAILURE (red) (amber)

The simultaneous lighting of the (!) and (ABS) lights when the car is moving indicates a problem with the EBD system or that the system itself is not available; in this case under heavy braking you may have a premature rear wheel lock-up with the possibility of skidding. Driving very carefully immediately reach the closest Abarth Dealership in order to have the system inspected.

The display visualizes the specific message.

ENGINE CONTROL SYSTEM FAILURE (EOBD) (amber)

Under normal conditions, turning the ignition key in the **MAR** position, the light turns on, but it should turn off as soon as the engine is started. The initial illumination indicates the correct functioning of the light.

If the light does not turn off or if it turns on while driving:

- *fixed light (no flashing):* this indicates malfunctioning in the supply/ignition system that could cause high emissions from the exhaust pipe, possible loss of performance, bad driveability and high fuel consumption.

The display visualizes the specific message.

In this case you can continue to drive though try to avoid either putting the engine under stress or high speeds. The prolonged use of the vehicle with the warning light on could cause damages. Reach as soon as possible the Abarth Dealership. The light turns off if the problem disappears, but the system memorizes the report.

- *flashing light:* indicates the possibility of damage to the catalyst (see "EOBD System" in the "Instrument panel and controls" chapter).

In case of flashing light one must release the accelerator pedal, in order to reach low speeds, until the light turns off, continue at moderate speed trying to avoid driving conditions that can cause further flashing of the light. Reach the Abarth Dealership as soon as possible.

If while turning the ignition key in the MAR position, the light dose not turn on or if while driving it illuminates or flashes (on some versions together with the message on the display), refer to the Abarth Dealership as soon as possible. The functionality of the light can be checked with appropriate equipment by traffic control agents. Conform to the regulations in force in the country in which you are circulating.

FRONT PASSENGER AIR BAG DEACTIVATED (amber)

The warning light turns on when the front passenger side air bag is deactivated.

When the front passenger-side air bag is activated, turning the ignition key in the **MAR** position, the light illuminates for about 4 seconds, it flashes for the following 4 seconds after which it has to turn off.

WARNING

The light also indicates possible failures of the light. This condition is reported by the flashing of the light for over the normal 4 seconds. In this case the light may not signal possible failures in the restraint systems. Before going on refer to the Abarth Dealership in order to have the system immediately inspected.

ABS SYSTEM FAILURE (amber)

Turning the ignition key in the **MAR** position the warning light turns on, it has to turn off after a few seconds.

The light turns on when the system is ineffective or unavailable. In this case the braking system maintains unchanged its effectiveness, but without the potential offered by the ABS system. Drive very carefully and as soon as possible refer to the Abarth Dealership.

The display visualizes the specific message.

FUEL RESERVE (amber)

Turning the ignition key in the **MAR** position the warning light turns on, it has to turn off after a few seconds.

The light turns on when the amount of the fuel remaining in the tank is about 7 litres.

IMPORTANT if the warning light flashes there probably is a failure in the system. In this case refer to the Abarth Dealership in order to have the system immediately inspected.

EXTERNAL LIGHTS FAILURE (amber)

The warning light turns on when problems are found in one of the following headlamps:

– side lights

– rear fog lights

– directional indicators

– rear licence plate light

The problems regarding these lights may be: one or more burnt bulbs, the burning of the relative protection fuse or the interruption of the electrical connections.

The display visualizes the specific message.

REAR FOG LIGHTS (amber)

The light illuminates when the rear fog lights are turned on.

ESP SYSTEM FAILURE (amber)

Turning the ignition key in the **MAR** position the warning light turns on, it has to turn off after a few seconds.

If the light does not turn off, or if it is on while driving together with the lighting of the led on the **ASR OFF** button, refer to the Abarth Dealership.

The display visualizes the specific message.

NB. The flashing of this light during car motion indicates the insertion of the ESP system.

The fixed illumination of the warning light indicates a problem in the Hill-Holder system. In this case refer to the Abarth Dealership as soon as possible.

The display visualizes the specific message.

SIDE LIGHTS AND LOW BEAMS (green)

FOLLOW ME HOME (green)

Side lights and low beam headlights.

The indicator turns on when activating the side lights and the low beam headlights.

Follow me home

This indicator turns on when this device is used (see "Follow me home" in the "Instrument panel and controls" chapter).

The display visualizes the specific message.

LEFT-HAND DIRECTION INDICATOR (green - flashing)

The indicator turns on when the directional indicator lever is moved downwards or it turns on, together with the right directional signal, when the hazard flashers button is pressed.

RIGHT-HAND DIRECTION INDICATOR (green - flashing)

The indicator turns on when the directional indicator lever is moved upwards or it turns on, together with the left directional signal, when the hazard flashers button is pressed.

FRONT FOG LIGHTS (green)

The indicator illuminates when the front fog lights are turned on.

ACTIVATION OF THE SPORT BOOST FUNCTION (green)

The sign SPORT turns on when the "SPORT BOOST" function is activated by pressing the relevant push button. With a second push on the button the SPORT sign turns off.

MAIN BEAM HEADLIGHTS (blue)

The indicator turns on when activating the high beam headlights.

MESSAGES ON THE MULTI-FUNCTIONAL RESETTABLE DISPLAY

Check tire pressure

The message is visualized on the display in the event that two or more tires turn out to be under inflated. The display will show the information regarding each tire in sequence.

In this event it is advisable to proceed as soon as possible with the inflation of the tires in order to return the pressure values back to the recommended ones (see paragraph " Recommended cold inflation pressures" in the "Technical Data" chapter).

Insufficient tyre pressure

The message is visualized on the display when the pressure of one or more tires goes under a fixed threshold. In this way the T.P.M.S. system informs the driver that there is the possibility that one or more tires are dangerously under inflated and there probably is a puncture.

IMPORTANT Do not continue driving with one or more deflated tires since the driveability of the vehicle can be jeopardized. Stop the car trying not to brake or to steer roughly. Immediately fix the tire using the suitable kit (see the "Emergencies" chapter) and refer to the Abarth Dealership as soon as possible.

Tire pressure not suitable for the speed

If one foresees to drive at a speed higher than 160 km/h, it is necessary to inflate the tires to a higher pressure as recommended in the "Recommended inflation pressures" paragraph.

This message is viewed on the display in the event the T.P.M.S. system (for versions/markets, where provided) notes that the pressure of one or more of the tires is not suitable for the speed of the vehicle at the moment (see what reported in the "Insufficient tire pressure" paragraph of this chapter).

IMPORTANT In this event immediately reduce your speed since the overheating of the tire could jeopardize the performance and the life of the tire, as well as, in extreme cases, cause the tire explosion.

WARNING

Very high radio frequencies can cause troubles and inhibit the correct functioning of the T.P.M.S. system.
This event is indicated to the driver with a specific message (for versions/markets, where provided). This message will disappear automatically as soon as the radio frequency disturbance ceases to perturb the system.

POSSIBILITY OF ICE ON THE ROAD

When the outside temperature reaches or goes under 3°C the outside temperature indicator flashes to signal the possibility of ice on the road.

The display visualizes the specific message.

LIMITED FUEL DISTANCE

The display shows this message in order to inform the user that the amount of fuel left in the tank will last for less than 50km.

ASR SYSTEM

The ASR system can be disconnected by the pressure of the **ASR OFF** button.

The display shows this specific message to inform the driver of the system disconnection; simultaneously the led on the push button lights up.

If you push the **ASR OFF** button again the led turns off and the display shows a specific message in order to inform the driver that the system has been reinstated.

SET SPEED LIMIT EXCEEDED

The display shows the specific message when the vehicle exceeds the set speed limit (see "Multifunctional resettable display" in the "Instrument panel and controls" chapter).

INSUFFICIENT BATTERY CHARGE (red)

The symbol is shown on the display together with the specific message if the battery is low on charge.

If the symbol remains on the display refer to the Abarth Dealership as soon as possible

INCOMPLETE CAR DOOR CLOSURE (red)

The symbol is shown on the display together with the specific message if one or more of the car doors or if the hatchback are not perfectly closed.

If the vehicle is in motion and the doors are open an acoustic warning signal can be heard.

VEHICLE PROTECTION SYSTEM – FIAT CODE - FAILURE (amber)

The symbol is shown on the display together with the specific message when a possible failure in the system is present (see "The FIAT CODE system" in the "Instrument panel and controls" chapter).

IMPORTANT The contemporary lighting of the light and of the symbol indicates a problem in the FIAT CODE system.

If the symbol appears while the engine is running refer to the Abarth Dealership in order to have all the keys memorized.

BRAKE PAD WEAR (amber yellow)

The symbol displays together with a specific message if brake pads are worn; if necessary, replace them as soon as possible.

CRUISE CONTROL (for versions/markets, where provided) (green)

The symbol displays together with a specific message rotating the Cruise Control ring to ON.

GENERIC SIGNAL (amber yellow)

The symbol displays together with a specific message following these events.

Specific messages display.

Engine oil pressure sensor fault

The symbol displays together with a specific message when an engine oil pressure sensor fault is detected. Refer to the Abarth dealership for repairs.

Fuel stop system activation

The symbol displays together with a specific message when the fuel stop system activates.

Fault of tyre pressure monitoring system (for versions/markets, where provided)

The symbol displays together with a specific message when a fault of the tyre pressure monitoring system T.P.M.S. (for versions/markets, where provided) is detected.

As soon as possible, refer to the Abarth dealership for repairs.

If one or more wheels provided with sensors are fitted, a symbol displays until initial conditions are restored.

IN AN EMERGENCY

In an emergency we recommend that you call the toll-free number found on the Warranty Booklet. You can also connect to the site www.fiat.com to search for the nearest Abarth Dealership point.

ENGINE STARTING

EMERGENCY START-UP

If the sign keeps being displayed, immediately call the Abarth Dealership.

JUMP STARTING fig. 1

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.

WARNING

The starting procedure must be carried out by qualified personnel because incorrect operations may cause electrical discharge of considerable intensity. The liquid contained in the battery is poisonous and corrosive. Avoid contact with the skin and eyes. Keep naked flames and lighted cigarettes away from the battery and do not cause sparks.

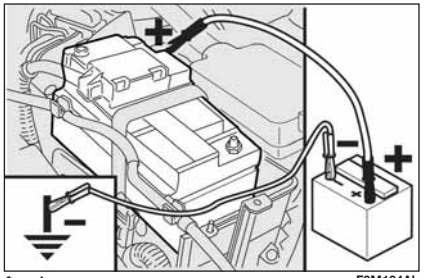


fig. 1 F0M104Ab

Proceed as follows:

- ❒ 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 to an earthing point ⏚ on the engine or the gearbox of the car to be started;
- ❒ start the engine;
- ❒ when the engine has been started, remove the leads reversing the order above.

If after a few attempts the engine does not start, do not insist but contact the nearest Abarth Dealership.

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.

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.

IMPORTANT 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.

QUICK TYRE REPAIR KIT - FIX & GO automatic

The quick tyre repair kit Fix & Go automatic is placed in the boot.

The kit **fig. 2** includes:

❒ bottle **A** containing sealer and 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;

❒ instruction brochure (see **fig. 3**), to be used for prompt and proper use of the quick repair kit and to be then handed to the personnel charged with handling the treated tyre;

❒ compressor **D-fig. 2** including gauge and connections;

❒ a pair of protection gloves located in the side space of the compressor;

❒ adapters for inflating different elements.

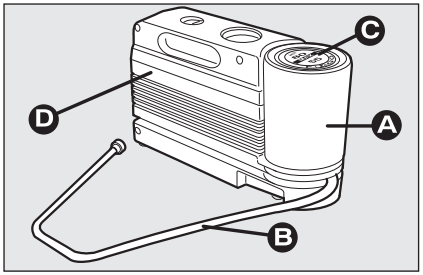


fig. 2 F0M0198m

In the kit container (placed in the boot under the carpet) are also housed the screwdriver and the tow hitch.

WARNING

Hand the instruction brochure to the personnel charged with treating the tyre repaired with the kit.

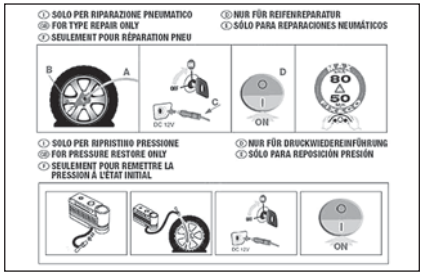


fig. 3 F0M0199m

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

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.

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

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.

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.

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.

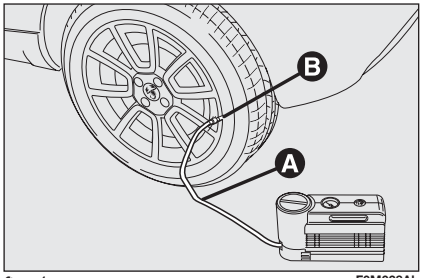


fig. 4 F0M038Ab

INFLATING PROCEDURE

WARNING

Put on the protection gloves provided together with quick tyre repair kit.

❒ **Pull up the handbrake**. Loosen tyre inflation valve cap, take out the filler hose **A-fig. 4** and screw the ring nut **B** on the tyre valve;

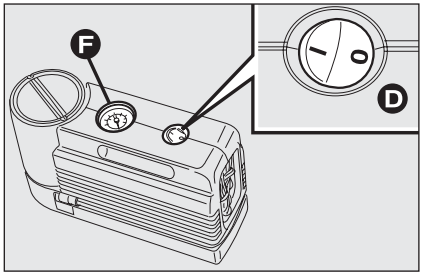


fig. 5 F0M0202m

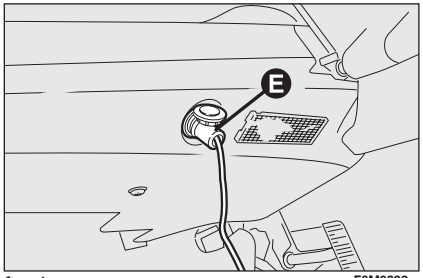


fig. 6 F0M0203m

❒ make sure the compressor switch **D-fig. 5** is set to 0 (off), start the engine and fit plug **E-fig. 6** into the nearest current outlet and then turn on the compressor by setting switch **D-fig. 5** to **I** (on). Inflate the tyre to the pressure specified in paragraph "Inflation pressure" in section "Technical Specifications".

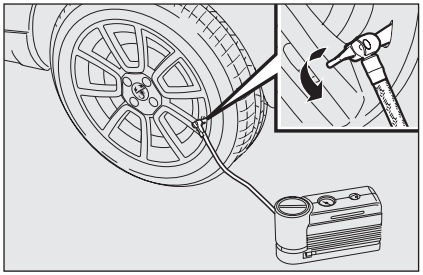


fig. 7 F0M039Ab

Check tyre pressure on gauge **F-fig. 5** with compressor off to obtain precise reading;

❒ 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 Abarth Dealership;

❒ if reaching the tyre pressure specified in paragraph "Inflation pressure" 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. 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 the pressure falls below 1.8 bars, do not drive any further: the quick tyre repair kit Fix & Go automatic cannot guarantee proper hold because the tyre is too much damaged. Contact Abarth Dealership.

- ❒ 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 Abarth Dealership.

WARNING

It is of vital importance to communicate that the tyre has been repaired using the quick tyre repair kit. Hand the instruction brochure to the personnel charged with treating the tyre repaired with the kit.

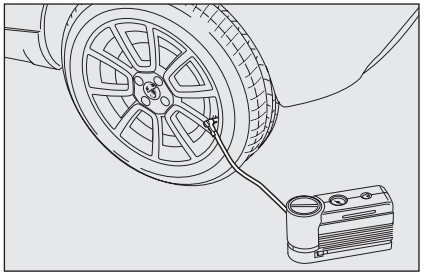


fig. 8 F0M040Ab

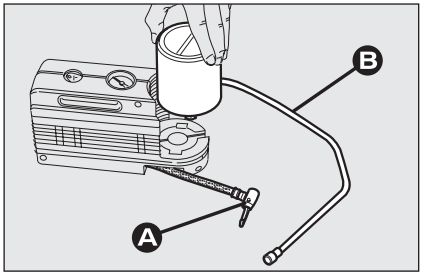


fig. 9 F0M0206m

FOR CHECKING AND RESTORING PRESSURE ONLY

The compressor can be also used just for restoring pressure. Disconnect the quick connection and connect it directly to the tyre valve **fig. 8**; 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. 9**;
- ❒ turn counter-clockwise the cylinder to replace and raise it;
- ❒ fit the new cylinder and turn it clockwise;
- ❒ connect connection **A** to the cylinder and fit the transparent tube **B** into the proper space.

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.

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.

IMPORTANT The headlight inner surface may be lightly misted over: this is not a fault but a natural fact due to low temperature and the 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 Abarth Dealership.

TYPES OF BULBS

Various types of bulbs are fitted to your car:

A Glass bulbs: clipped into position. Pull to remove.

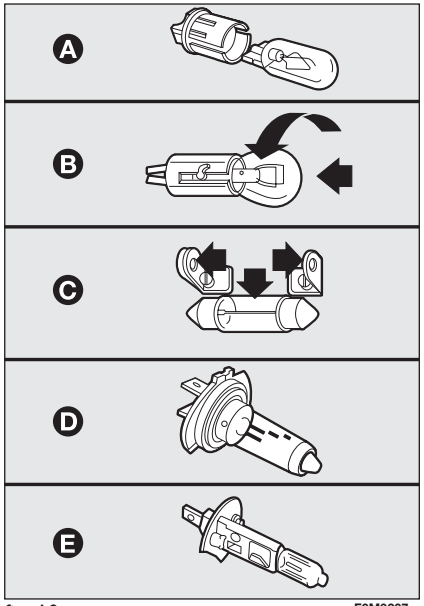


fig. 10 F0M0207m

B Bayonet type bulbs: to remove this type of bulb from its holder, press the bulb and turn it counter-clockwise.

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.

Bulbs	Ref. figure	Type	Power
Main-beam headlights	D	H4	55W
Dipped beam headlights	D	H4	60W
Front sidelights	A	W5W	5W
Front fog lights (for versions/markets, where provided)	–	H3	55W
Front direction indicators	B	PY21W	21W
Side direction indicators	A	WY5W	5W
Rear direction indicators	B	P21W	21W
Taillights	B	R5W	5W
Brake lights	B	P21/5W	5W
Third brake light (additional brake light)	B	–	2.3W
Reversing light	–	P21W	21W
Rear fog lights	–	P21W	21W
Number plate light	A	W5W	5W
Front ceiling light with movable lens	C	C10W	10W
Front ceiling light with spot lights	C	C10W	10W
Boot light	A	W5W	5W

IF AN EXTERIOR LIGHT BURNS OUT

For the type of bulb and power rating, see "When needing to change a bulb".

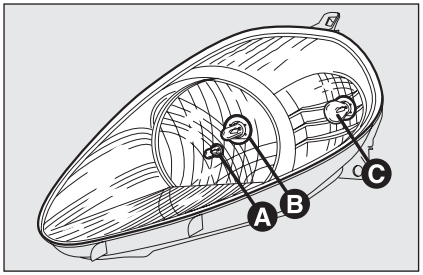


fig. 11 F0M0178m

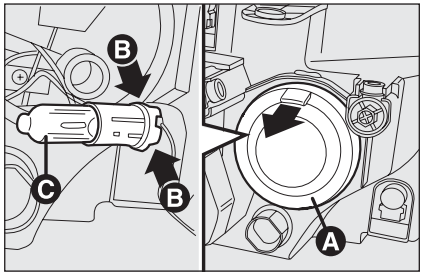


fig. 12 F0M0179m

FRONT LIGHT UNITS fig. 11

The front light units contain sidelights, dipped beam, main beam and direction indicator bulbs.

The bulbs are arranged inside the light unit as follows:

A sidelights

B dipped beams/main beams (double light)

C direction indicators

SIDELIGHTS fig. 12

To change the bulb, proceed as follows:

❒ remove the snap-fitted rubber cap **A**, as shown by the arrow;

❒ press tabs **B** and remove the bulb holder;

❒ remove the bulb **C** and replace it;

❒ refit the bulb holder and refit the cap **A**, check for proper locking.

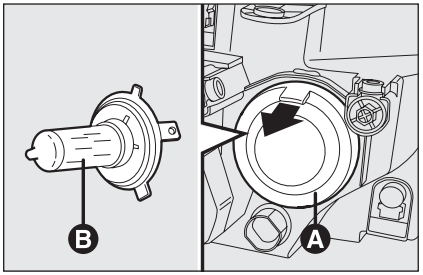


fig. 13 F0M0180m

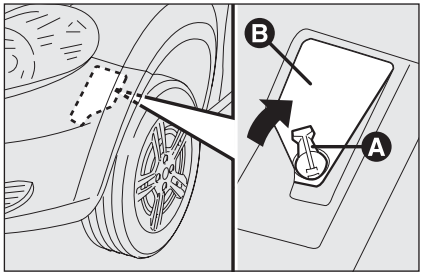


fig. 14 F0M0261m

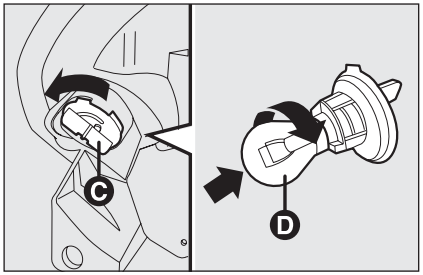


fig. 15 F0M0181m

DIPPED BEAM/ MAIN BEAM HEADLIGHTS fig. 13

To change the bulb, proceed as follows:

❒ remove the snap-fitted rubber cap **A**, as shown by the arrow;

❒ disconnect the central electric connector and release the bulb holder catch;

❒ remove the bulb **B** and replace it;

❒ fit the new bulb, making the outlines of the metallic part coincide with the grooves on the reflector;

❒ refit the bulb holder catch and reconnect the electrical connector;

❒ refit the cap **A** locking it properly.

DIRECTION INDICATORS

Front fig. 14-15

To change the bulb, proceed as follows:

❒ steer the right/left wheel outwards;

❒ turn the catch **A-fig. 14** as shown by the arrow, then use the lid **B**;

❒ remove the cover/bulb holder **C-fig. 15** turning counterclockwise;

❒ remove the bulb **D** pushing it gently and turning counterclockwise ("bayonet" clamping), then replace it;

❒ refit the cover/bulb holder **C** by turning it clockwise and locking it properly;

❒ close the lid **B-fig. 14** the turn the catch **A**.

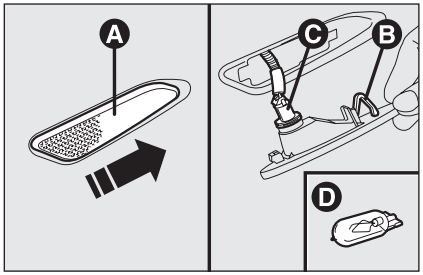


fig. 16 F0M0182m

Side fig. 16

To change the bulb, proceed as follows:

- ❒ work on the lens **A** to compress the internal catch **B**, then pull the unit outwards;
- ❒ turn the bulb holder **C** counterclockwise, remove the snap-fitted bulb **D** and replace it;
- ❒ refit the bulb holder **C** in the lens by turning it clockwise;
- ❒ refit the unit making sure the catch clicks into place **B**.

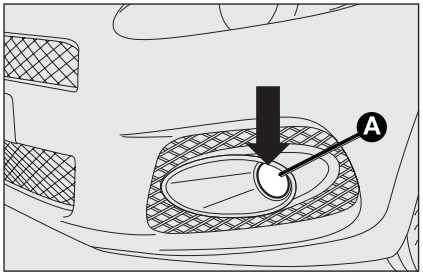


fig. 17 F0M041Ab

FRONT FOG LIGHTS (where provided)

Contact Abarth Dealership to have front fog lights **A-fig. 17** replaced.

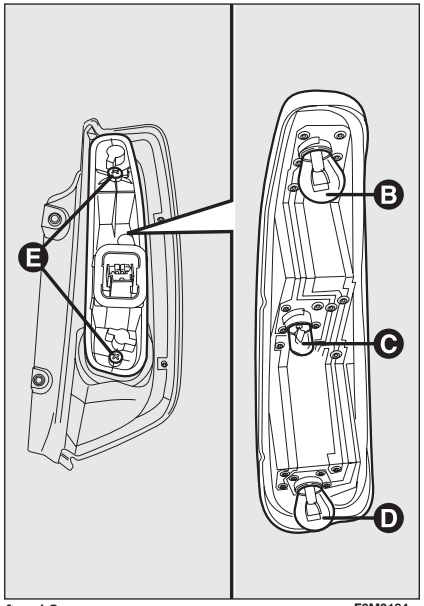


fig. 18 F0M0184m

REAR LIGHT UNITS fig. 18-19

Rear light units contain taillights, brake light and direction indicators bulbs.

The bulbs are arranged inside the light unit as follows:

B direction indicators

C taillights

D taillights/brake light (double light).

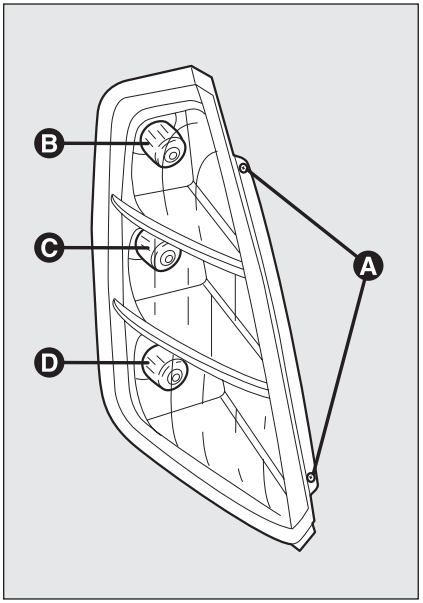


fig. 19 F0M0185m

To change the bulb proceed as follows:

❒ open the tailgate then, slacken the two fastening screws **A**;

❒ disconnect the central electric connector and pull the lens unit outwards;

❒ slacken the screws **E** and remove the bulb holder;

❒ remove the bulb to replace **B**, **C** or **D** pushing it slightly and turning it counterclockwise ("bayonet" clamping) and replace it;

❒ refit the bulb holder and tighten the screws **E**;

❒ reconnect the electric connector, suitably refit the unit to the car body and then tighten the fastening screws **A**.

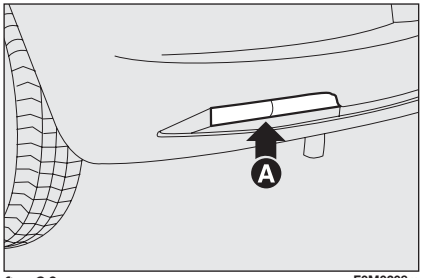


fig. 20 F0M0208m

REAR FOG LIGHTS fig. 20

Contact Abarth Dealership to have rear fog lights **A** replaced.

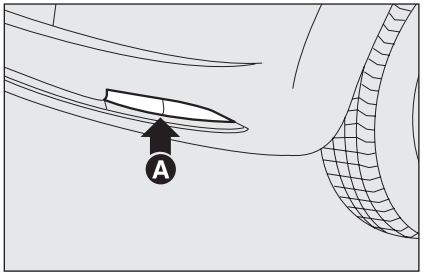


fig. 21 F0M0209m

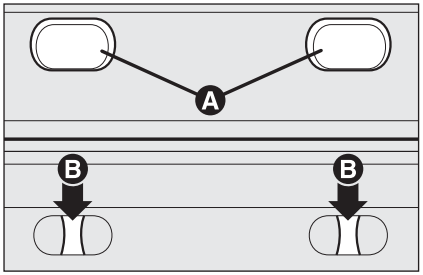


fig. 22 F0M0210m

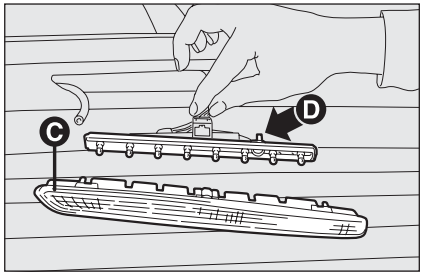


fig. 23 F0M0211m

REVERSING LIGHT fig. 21

Contact Abarth Dealership to have reversing light **A** replaced.

THIRD BRAKE LIGHT fig. 22-23

To change the bulb proceed as follows:

❒ open the tailgate;

❒ remove the rubber caps **A-fig. 22**;

❒ press the catches **B-fig. 22** and remove the lens unit **C-fig. 23**;

❒ disconnect the electric connector;

❒ press the tabs **D-fig. 23** and remove the bulb holder;

❒ remove the snap-fitted bulb and replace it.

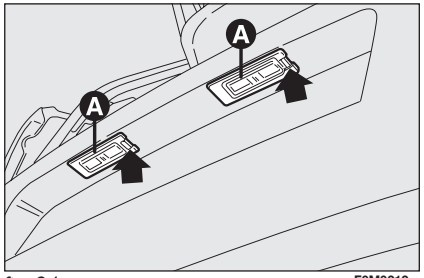


fig. 24 F0M0212m

NUMBER PLATE LIGHT fig. 24-25

To change the bulb proceed as follows:

❒ work in the point shown by the arrow and remove lens **A-fig. 24**;

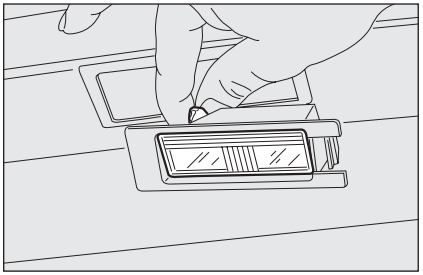


fig. 25 F0M0233m

❒ change the bulb **fig. 25** releasing it from the side contacts and making sure the new bulb is correctly fastened between the contacts;

❒ refit the snap-fitted lens unit.

IF AN INTERIOR LIGHT BURNS OUT

For the type of bulb and power rating, see "When needing to change a bulb".

FRONT CEILING LIGHT

To replace the bulbs proceed as follows:

❒ work in the points shown by the arrows and remove light **A-fig. 26**

❒ open the protection lid **B**;

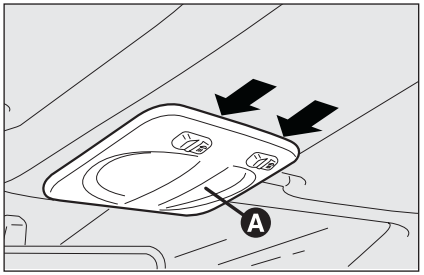


fig. 26 F0M0213m

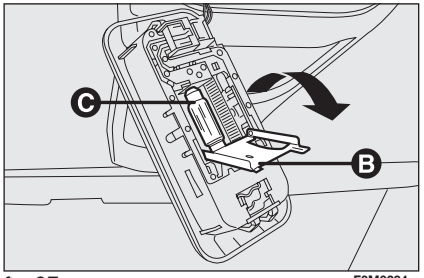


fig. 27 F0M0234m

❒ replace bulbs **C-fig. 27** releasing them from the side contacts; make sure that new bulbs are correctly clamped between contacts;

❒ re-close the lid **B-fig. 27** and secure light **A-fig. 26** into its housing locking it properly.

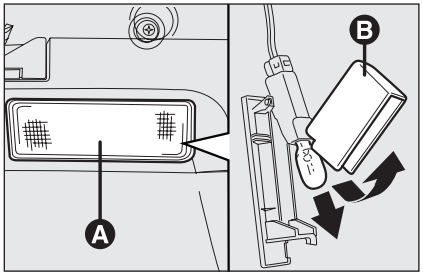


fig. 28 F0M0216m

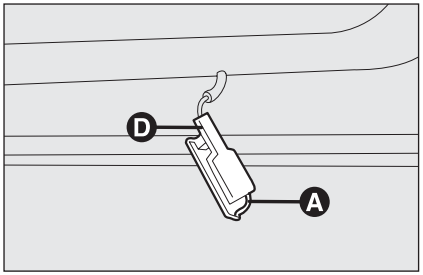


fig. 29 F0M0217m

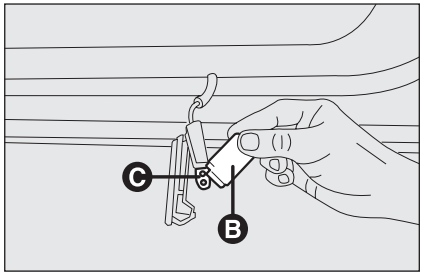


fig. 30 F0M0229m

BOOT LIGHT fig. 28

To change the bulb, proceed as follows:

❒ open the tailgate;

❒ remove the light **A** levering in the point shown by the arrow;

❒ open the protection **B** and replace the snap-fitted bulb;

❒ re-close the protective cover **B** on the lens;

❒ refit the light **A** inserting it in its correct position firstly on one end and then on the other until it clicks into place.

PUDDLE LIGHTS (for versions/markets, where provided) fig. 29-30

To change the bulb, proceed as follows:

❒ remove the light by pressing clip **A** with a screwdriver;

❒ press the bulb protection cover sides **B** on the two fastening pins and turn it;

❒ replace the snap-fitted bulb **C**;

❒ refit bulb protection cover fitting the two fastening pins;

❒ refit the ceiling light inserting first end **D** and then pressing the other end until hearing the locking click of the clip.

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 **A- fig. 31** must be intact. If not, replace the fuse with one of the same amp rating (same colour).

B undamaged fuse **fig. 31**

C fuse with damaged filament **fig. 31**.

WARNING

If a fuse blows again, contact a Abarth Dealership.

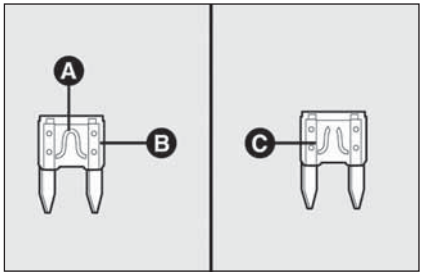


fig. 31 F0M0236m

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, MIDI-FUSE, MAXI-FUSE) cuts in, do not attempt any repair and contact Abarth Dealership.

WARNING

Before changing a fuse, check the ignition key has been removed and that all the other electric devices have been turned off/disabled.

FUSE LOCATION

The car fuses are in three junction units, located in the dashboard, the engine compartment and inside the luggage compartment (left hand side).

Fuse box on the dashboard

To gain access to the fuses in the fuse box on the dashboard, loosen the fastening screws **A-fig. 32** and remove the cover.

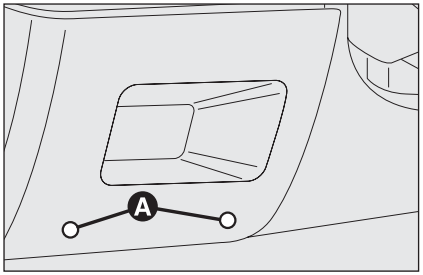


fig. 32 F0M0016m

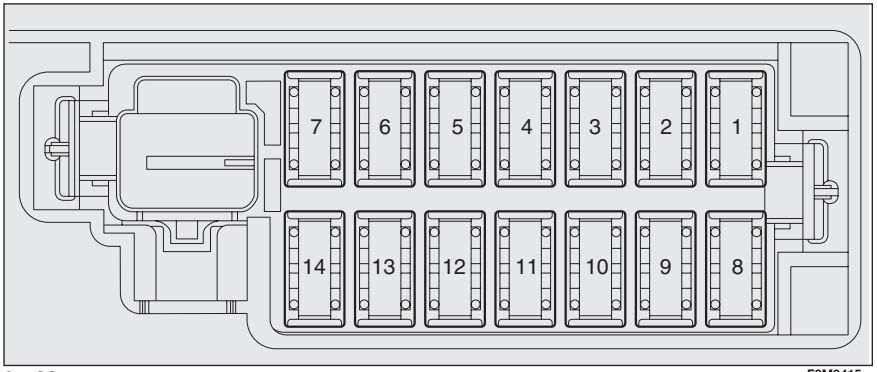


fig. 33 F0M0415m

Fuse box in engine compartment

To gain access to the fuses in the fuse box next to the battery, remove the protection cover **fig. 34**.

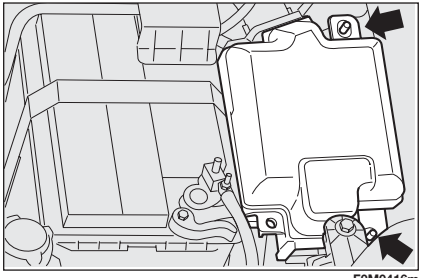


fig. 34 F0M0416m

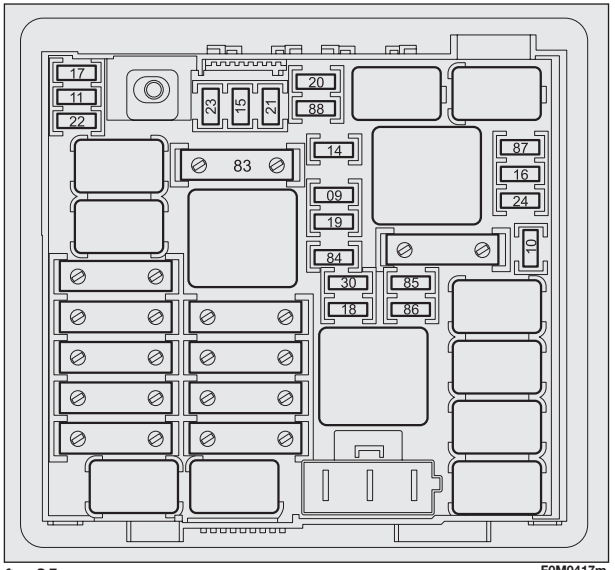


fig. 35 F0M0417m

Fuse box in the boot

To gain access to the fuse box located on the left side of boot open the relevant inspection lid (as shown in **fig. 36**).

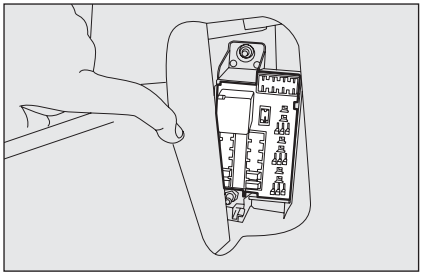


fig. 36 F0M0246m

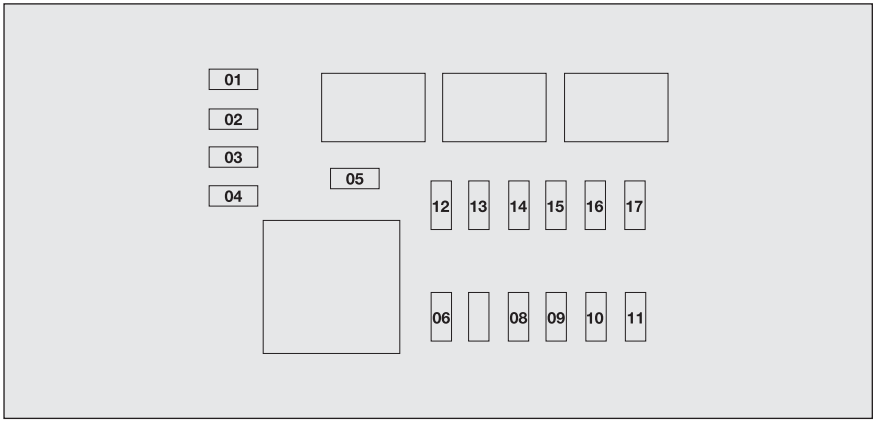


fig. 37 F0M0372m

FUSE SUMMARY TABLE

Fuse box on dashboard fig. 33

USERS	FUSE	AMPERE
Right dipped headlamp	1	7.5
Left dipped headlamp, headlamp alignment corrector	8	7.5
INT/A power supply for relay coils in engine fuse junction unit and relay coils in body computer control unit	13	5
Front courtesy light, lights in visors, luggage compartment light	2	5
+ battery power supply for EOBD diagnostic socket, automatic climate control system control unit, alarm siren, car radio, convergence control unit, tyre monitoring control unit	5	10
INT power supply for instrument panel, switch on brake pedal (N.O. contact), third brake light	11	5
Door locking/unlocking motors, dead lock activation motors, tailgate unlocking motor	4	20
Windscreen/rearscreen washer pump	6	20
Electric window motor on driver's front door	14	20
Electric window motor on passenger side front door	7	20

USERS	FUSE	AMPERE
INT power supply for control panel lighting, parking control unit, tyre pressure monitoring control unit, electric door mirrors movement, rain sensor, electric roof control unit, by-port infotelematic socket	12	5
Air Bag control unit	9	7.5
Instrument panel	3	5
INT power supply for switch on brake pedal (NC contact), switch on clutch pedal, interior heater unit, convergence control unit, car radio preparation system	10	5

Fuse box in engine compartment fig. 35

USERS	FUSE	AMPERE
Headlamp washer pump	09	20
Single tone horn	10	10
Engine management system secondary loads	11	10
Left main beam headlamp, right main beam headlamp	14	15
PTC1 additional heater	15	30
Engine management control unit, engine management system management relay	16	5
Engine management control unit (power supply)	17	10
Engine management control unit, engine management system management relay	18	5
Air conditioning compressor	19	7.5
Heated rear windscreen	20	30
Electric fuel pump on tank	21	15
Fire engine control system primary loads (coils and injectors)	22	10
BSM braking system control unit (control unit and solenoid valves)	23	20

USERS	FUSE	AMPERE
ESP electric steering system control unit (+ignition power supply), NFR braking system control unit (+ignition power supply), yaw sensor on tunnel	24	5
Left fog light, right fog light	30	15
Spare	84	–
Current socket (preparation)	85	–
Passenger compartment, cigar lighter current socket	86	15
Reversing light, relay coils on engine fuse junction unit	87	5
Defroster on driver's door mirror, defroster on passenger side door mirror	88	7.5

Fuse box in the boot fig. 37

USERS	FUSE	AMPERE
Electric sun roof opening system	17	20
Alarm system management control unit	14	7.5
Spare	01	–
Spare	03	–
Driver's front seat electric lumbar movement	04	10
Branded HI FI system audio amplifier control unit	15	15
Spare	10	–
Subwoofer speaker in rear panel, right side	16	10
Driver's front seat heater pad	08	10
Tow hook system (housing for fitting fuse in aftermarket)	07	–
Current socket in luggage compartment	05	15
Spare	11	–
TPMS tyre pressure monitoring system control unit	13	5
Passenger side front seat heater pad	09	10
Spare	06	–
Spare	02	–

IF THE BATTERY IS FLAT

WARNING The battery charging procedure is described only for information purposes. This operation should be carried out by Abarth Dealership.

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 contained in the battery is poisonous and corrosive. Avoid contact with the skin or eyes. The battery should be charged in a well ventilated place, away from naked flames or possible sources of sparks: danger of explosion and fire.

WARNING

Do not attempt to charge a frozen battery: it must firstly be thawed, otherwise it may burst. If freezing has occurred, the battery should be checked by skilled personnel to make sure that the internal elements are not damaged and that the body is not cracked, with the risk of leaking poisonous and corrosive acid.

JACKING THE CAR

If the car is to be lifted, go to a Abarth Dealership which is equipped with the arm hoist or workshop lift.

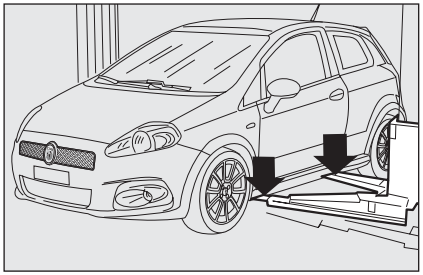


fig. 38 F0M042Ab

Jack up the car only by positioning the jack arms or the shop jack in the points shown in the figure.

IMPORTANT In case of side lift by means of a workshop hoister, be careful not to damage the aerodynamic spoilers (skirts).

TOWING THE CAR

The tow ring provided with the car is housed in the tool box under the boot mat.

TOW RING HOOKING fig. 39

Proceed as follows:

❒ release the cap **A**;

❒ take the tow hook **B** from the support;

❒ tighten the ring on the rear or front threaded pin.

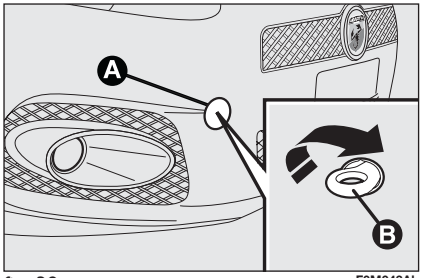


fig. 39 F0M043Ab

WARNING

When towing, remember that without the help of the servobrake 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

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.

CAR MAINTENANCE

SCHEDULED SERVICING

Correct maintenance is essential for ensuring long car life under the best conditions.

This is why Abarth has programmed a series of checks and maintenance operations every 30,000 km.

It is however important to remember that scheduled servicing does not completely cover all the car's requirements: also in the initial period before 30,000 km 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 Abarth Dealership, at pre-established times.

If during each 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 Abarth Dealership 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

Service coupons shall be performed every 30,000 km

Thousands of km	30	60	90	120	150	180
Check tyre conditions/wear and adjust pressure if required	●	●	●	●	●	●
Check light system operation (headlights, direction indicators, hazard lights, boot lights, passenger compartment lights, instrument panel warning lights, etc.)	●	●	●	●	●	●
Check windscreen wiper/washer operation	●	●	●	●	●	●
Check front disk brake pad conditions and wear front and rear	●	●	●	●	●	●
Sight inspect the conditions of: bodywork, 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	●	●	●	●	●	●
Sight inspect accessory drive belt conditions		●				●
Replace accessory drive belt/s				●		
Check and adjust handbrake lever stroke, if required	●	●	●	●	●	●
Check exhaust emissions	●	●	●	●	●	●
Check antievaporation system			●			●
Replace air cleaner cartridge		●		●		●

Thousands of km	30	60	90	120	150	180
Change spark plugs (○)	●	●	●	●	●	●
Top up fluids (engine coolant, brakes, battery, windscreen washer, etc.)	●	●	●	●	●	●
Check timing belt conditions		●				●
Check engine control system operation (through diagnosis socket)	●	●	●	●	●	●
Replace timing belt (*)				●		
Change engine oil and oil filter (or every 24 months)	●	●	●	●	●	●
Change brake fluid (or every 24 months)		●		●		●
Change pollen filter (or every 24 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

(○) ***In order to ensure correct efficiency and avoid damaging the engine, it is necessary to:***
- exclusively use certified spark plugs specific for the T-JET engines. All candles to be fitted must be of the same type and same manufacturer (see recommendations reported in the "Engine" paragraph);
- strictly respect the candles' Scheduled Maintenance Plan;
- it is recommended to apply to Abarth Dealership.

If the car is mainly used for driving in the city, and in any case with an annual mileage of below 10,000 km, change engine oil and filter every 12 months.

PERIODICAL CHECKS

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;
- ❒ check light system operation (headlights, direction indicators, hazard lights, etc.);
- ❒ check windscreen wiper/washer operation and windscreen/rear window 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 Abarth cars (see table "Capacities" in section "Technical specifications").

USE OF THE CAR UNDER HEAVY CONDITIONS

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) and repeated with external temperatures below zero;
- ❒ frequently idling engines or long distance low speed driving (e.g.: door-to-door deliveries) or in case of a long term inactivity;
- ❒ urban routes;

carry out checks more frequently than required on Service Schedule:

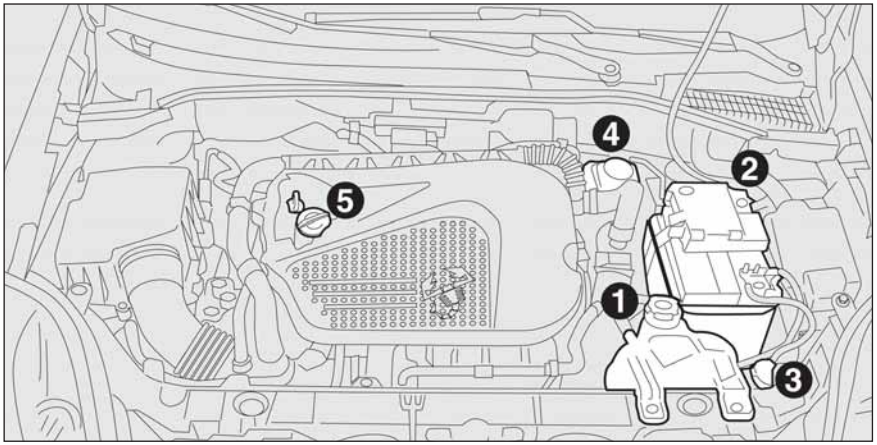
- ❒ check front disk brake pad conditions and wear;
- ❒ check cleanness of bonnet and boot locks and lever cleanness and lubrication;
- ❒ sight inspect the conditions of: engine, gearbox, transmission, pipes and hoses (exhaust - fuel - brakes), rubber parts (boots, sleeves, bushes, etc.);
- ❒ check battery charge and fluid level (electrolyte);
- ❒ visual check on various drive belt conditions;
- ❒ check and replace pollen filter, if required;
- ❒ check and replace air cleaner, if required.

CHECKING FLUID LEVELS

WARNING

Never smoke while working in the engine compartment: gas and inflammable vapours may be present, with the risk of fire.

Be careful!, 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.



F0M105Ab

fig. 1

1. Engine coolant
2. Battery
3. Windscreen washer fluid
4. Brake fluid
5. Engine oil.

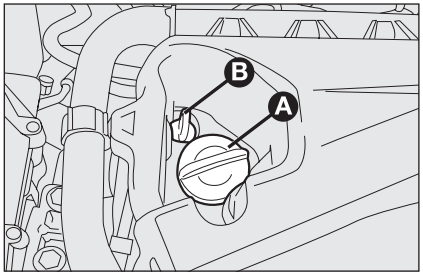


fig. 2

ENGINE OIL fig. 2

Check the oil level a few minutes (about 5) after the engine has stopped, with the car parked on level ground.

The oil level shall be included between the **MIN** and **MAX** marks on the dipstick **B**.

The gap between the **MIN** and **MAX** marks corresponds to about one litre of oil.

If the oil level is near or even below the **MIN** mark, add oil through the filler neck **A**, until reaching the **MAX** mark.

Oil level shall never exceed the **MAX** mark.

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 5,000 ÷ 6,000 km.

IMPORTANT The oil consumption depends on driving style and the conditions under which the car is used.

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.

WARNING

When the engine is hot, take care when working inside the engine compartment to avoid burns. Remember that when the engine is hot, fan may cut in: danger of injury. Scarves, ties and other loose clothing might be pulled by moving parts.

Do not add oil with specifications other than that already in the engine.

Used engine oil and filter contain harmful substances for the environment. Contact Abarth Dealership to have the oil and filter changed, as they are equipped to dispose of the waste oil and filters respecting the nature and the law.

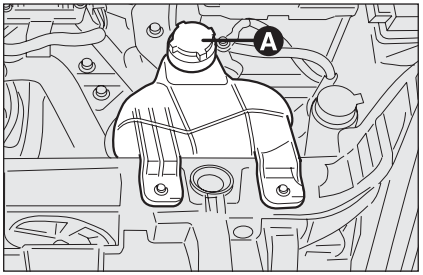


fig. 3 F0M0152m

ENGINE COOLANT fig. 3

The coolant level shall be checked with cold engine and shall be within the **MIN** and **MAX** marks on the tank.

If the level is low, pour slowly a mixture of 50% distilled water and 50% **PARAFLU UP** of the FL Selenia Group through the filler neck **A** until the level reaches **MAX**.

A 50-50 mixture of **PARAFLU UP** and distilled water gives freeze protection to –35°C.

For particularly hard climate conditions, we recommend use of a 60% **PARAFLU UP** and 40% demineralized water mixture.

The engine cooling system uses protective antifreeze fluid PARAFLU UP. Use the same fluid type as that already in the cooling system when topping up. PARAFLU UP fluid cannot be mixed with any other type of fluid. Should it happen, under no circumstances start the engine; contact a Fiat Dealership.

WARNING

The cooling system is pressurised. If necessary, replace the cap only with another genuine one, otherwise system efficiency could be compromised. Do not remove the reservoir cap when the engine is hot: you risk scalding yourself.

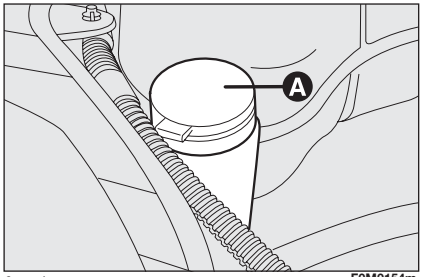


fig. 4 F0M0154m

WINDSCREEN/REAR WINDOW WASHER FLUID fig. 4

To top up, remove the cap **A**.

Pour a mixture of water and **TUTELA PROFESSIONAL SC35**, in the following concentrations:

30% **TUTELA PROFESSIONAL SC35** and 70% water in summer.

50% **TUTELA PROFESSIONAL SC35** and 50% water in winter.

In case of temperatures below –20°C, use undiluted **TUTELA PROFESSIONAL SC35** fluid.

Check level through the reservoir.

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.

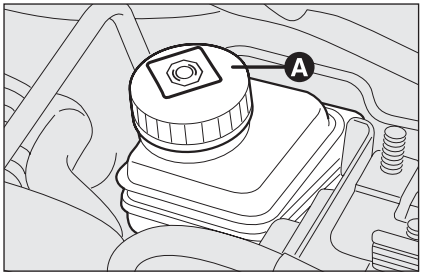


fig. 5 F0M0155m

BRAKE FLUID fig. 5

Unscrew cap **A**: check that the fluid level in the reservoir is at maximum.

Fluid level in the reservoir shall not exceed the **MAX** mark.

If fluid has to be added, it is suggested to use the brake fluid in table "Fluids and lubricants" (see chapter "Technical characteristics").

NOTE Clean accurately the tank cap **A** and the surrounding surface.

At plug opening, pay maximum attention in order to prevent any impurities from entering the tank.

For topping up, always use a funnel with integrated filter with mesh equal to or lower than 0.12 mm.

IMPORTANT Brake fluid absorbs moisture, for this reason, if the vehicle 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

The 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

Air cleaner replacement shall be carried out at Abarth Dealership.

POLLEN FILTER

Pollen filter replacement shall be carried out at Abarth Dealership.

BATTERY

The car fits a low-maintenance battery: no top-ups with distilled water are needed in normal conditions of use.

INSPECTING THE CHARGE AND THE ELECTROLYTE LEVEL

Inspection operations must be carried out by specialised personnel, following the prescriptions contained in the Use and maintenance booklet. Any top-up operations must be carried out by specialised personnel and by Abarth Dealership.

WARNING

Running the battery with an excessively low liquid level will damage the battery beyond repair and even cause an explosion.

Incorrect assembly of electric and electronic devices may cause severe damage to your car. Go to a Abarth Dealership if you want to install accessories (alarms, mobile phone, etc.): they will suggest the most suitable devices and advise you if a higher capacity battery needs to be installed.

Batteries contain substances that can be very dangerous for the environment. t is advisable to have the battery changed by a Abarth Dealership where it will be disposed of according to the law.

WARNING

If the vehicle must remain unused for a long time at very low temperature, remove the battery and carry it to a warm place, to avoid freezing.

WARNING

When you must perform any operation on the battery or near it, always protect your eyes with the special 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;
- ❒ switch off all lights inside the car: the car is however equipped with a system which switches all internal lights off automatically;
- ❒ 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 cable;
- ❒ battery terminals shall always be perfectly tightened.

IMPORTANT If the charge level remains for a long time under 50%, the battery is damaged by sulphation, reducing its capacity and starting attitude.

The battery will also be more at risk of freezing (e.g. already at -10°C). Refer to the paragraph "Car inactivity" in "Starting and driving" if the car is left parked for a long time.

If after buying the car, you want to install electric accessories which require permanent electric supply (alarm, etc.) contact Abarth Dealership 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.

Since these devices continue absorbing energy even when the ignition key is off, they gradually run down the battery.

WHEELS AND TYRES

Check the pressure of each tyre, including the spare, every two weeks and before long journeys. The pressure should be checked with the tyre rested and cold.

For the correct tyre inflation pressure, see "Wheels" in "Technical specifications" section.

Incorrect pressure causes abnormal tyre wear **fig. 6**:

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.

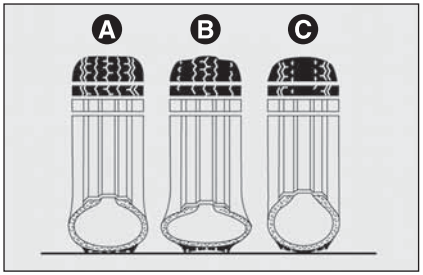


fig. 6 F0M0160m

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 a Abarth Dealership;

❒ avoid overloading the car when travelling: this may cause serious damage to the wheels and tyres;

❒ if a tyre is punctured, stop immediately and charge 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 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 not to reverse the direction of rotation.

WARNING

Remember that road holding depends also on the correct tyre inflating pressure.

WARNING

If the pressure is too low the tyre overheats and this can cause it serious damage.

WARNING

Do not cross switch the tyres, moving them from the right of the car to the left and vice versa.

WARNING

Never submit alloy rims to repainting treatments requiring to use temperatures exceeding 150°C. 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/REAR WINDOW WIPERS

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 fall 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.

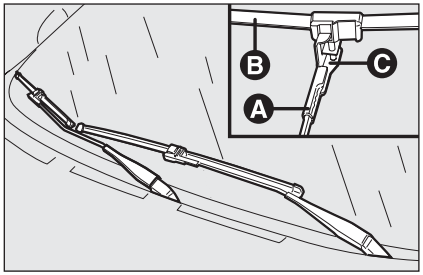


fig. 7 F0M0161m

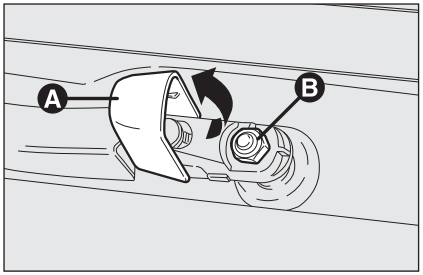


fig. 8 F0M0162m

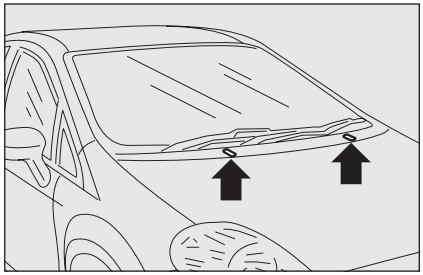


fig. 9 F0M0163m

Changing the windscreen wiper blades fig. 7

To remove the blade:

❒ raise the windscreen wiper arm **A**;

❒ turn blade **B** 90° around pin **C**, located at the end of the wiper arm;

❒ remove the blade from the pin **C**.

To refit the blade:

❒ fit pin **C** into the hole loacted in the middle of the blade **B**;

❒ refit the arm with the blade on the windscreen.

Changing the rear window blade fig. 8

Proceed as follows:

❒ raise the cover **A** and remove the arm from the car, slackening the nut **B** that fastens it to the pivot pin;

❒ fit the new arm, positioning it correctly, and fully tighten the nut;

❒ lower the cover.

SPRAY NOZZLES

Windscreen wiper fig. 9

If the jet of fluid is inadequate, 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.

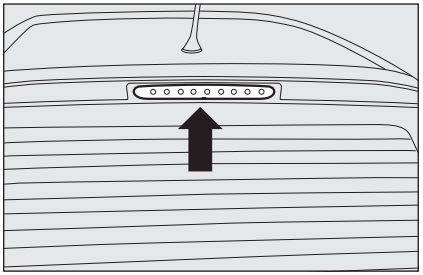


fig. 10

Rear window wiper fig. 10

Rear window washer jets are fixed.

The nozzle holder is on the rear window.

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 car, Abarth 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 the underbody, engine compartment, wheelhouse internal parts and other parts with highly protective wax products;

❒ Spraying of plastic parts, with a protective function, in the more exposed points: underdoor, inner fender parts, edges, etc.;

❒ Use of “open” boxed sections to prevent condensation and pockets of moisture from triggering rust inside.

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 Abarth 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. For touching up use only original products (see "Bodywork paint identification plate" in section "Technical specifications").

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 correctly wash the car:

- ❒ 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.

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.

Detergents cause water pollution. Therefore the engine compartment should be washed in areas equipped for collecting and purifying the liquid used in the washing process.

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.

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 ignition key at **STOP**. After washing make sure that the various protections (e.g. rubber caps and various covers) have not been damaged or removed.

Front headlights

IMPORTANT Never use aromatic substances (e.g.: petrol) or ketones (e.g.: acetone) for cleaning front headlight plastic lens.

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.

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.

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.

Upholstery of your car has been designed to withstand wear deriving from common use of the car. You are however recommended to avoid strong and/or continuous scratching with clothing accessories such as metallic buckles, studs, Velcro fastenings and the like, since these items cause circumscribed stress of the cover fabric that could lead to yarn breaking, and damage the cover as a consequence.

INTERIOR PLASTIC PARTS

For routine cleaning of interior plastic parts use a soft cloth moistened with water and neutral soap. Remove grease or persisting stains using appropriate solvent-free products designed to preserve appearance and colour of plastic components.

IMPORTANT Never use spirit or petroleum to clean the instrument panel.

STEERING WHEEL/GEAR LEVER KNOB WITH GENUINE LEATHER COVERING

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

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:

❒ Model plate.

❒ Chassis marking.

❒ Bodywork paint identification plate.

❒ Engine marking.

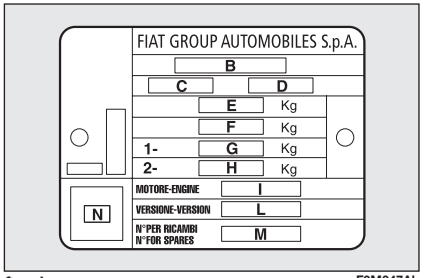


fig. 1 F0M047Ab

MODEL PLATE fig. 1

The plate is to be found on the left side of the boot floor and it bears the following identification data:

B Homologation number.

C Vehicle type code.

D Chassis number.

E Maximum vehicle weight fully loaded.

F Maximum vehicle weight fully loaded with trailer.

G Maximum vehicle weight on front axle.

H Maximum vehicle weight on rear axle.

I Engine type.

L Body version code.

M Spare part code.

N Smoke opacity index (for diesel engines).

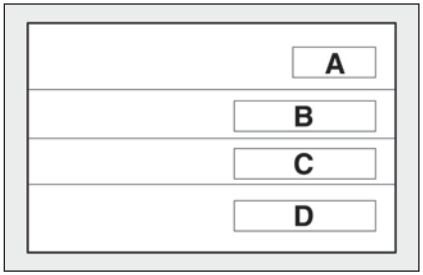


fig. 2 F0M0167m

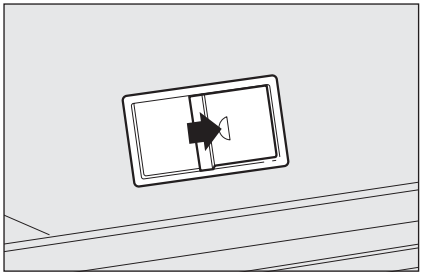


fig. 3 F0M0168m

BODYWORK PAINT IDENTIFICATION PLATE fig. 2

The plate is applied on the external tailgate post (left side) and it bears the following data:

A Paint manufacturer.

B Colour name.

C Fiat colour code.

D Respray and touch up code.

CHASSIS MARKING fig. 3

It is printed on the passenger compartment floor, near the right-hand front seat.

❒ car model (ZFA 199000);

❒ chassis number.

ENGINE MARKING

Engine marking is stamped on the cylinder block and includes the model and the chassis number.

ENGINE CODES - BODYWORK VERSIONS

Versions	1.4 T-JET
Engine code	199A8000
Body version	199AXN1B28

ENGINE

VERSION		1.4 T-JET
Engine code		199A8000
Cycle		Otto
Number and layout of cylinders		4 in line
Piston bore and stroke	mm	72 x 84
Total displacement	cm^3	1368
Compression ratio		9.8 ± 0.2
Maximum power (EEC) corresponding ratio	kW HP rpm	114 155 (❑) 5500
Maximum torque (EEC) corresponding ratio	Nm kgm rpm	201/230 (*) 20 5000/3000 (*)
Spark plugs		NGK IKR9F8
Fuel		Unleaded petrol 95 RON (Specification EN228)

(*) With OVER-BOOST

(❑) The maximum power with 155 HP is gotten using unloaded petrol 98 RON

FUEL FEED/IGNITION

	1.4 T-JET
Fuel feed	Multipoint electronic injection

WARNING

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

	1.4 T-JET
Gearbox	Six forward gears and reverse with synchromesh for forward gear engagement
Clutch	Self-adjusting pedal without idle stroke
Drive	Front

BRAKES

	1.4 T-JET
Service brakes	
– front	disc
– rear	disc
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.

SUSPENSIONS

	1.4 T-JET
Front	Mc Pherson independent wheels
Rear	twisting axle with interconnected wheels

STEERING

		1.4 T-JET
Type		rack and pinion with electric power steering
Minimum steering cycle	m	11

WHEELS

RIMS AND TYRES

Pressed steel or 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 handbook" and the "Log book", consider the specifications shown in the log book only.

Attaining to the prescribed size, 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.

SPARE WHEEL

Pressed steel rim. Tubeless tyre.

WHEEL GEOMETRY

Front wheel toe-in: –1 ± 1 mm

Rear wheel toe-in: 1.7 ± 2 mm

The values refer to the car in running order.

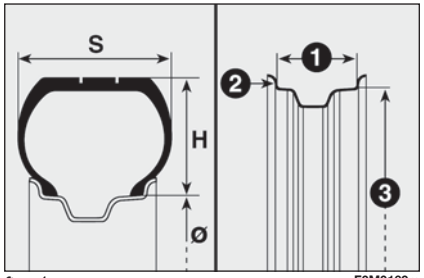


fig. 4 F0M0169m

UNDERSTANDING TYRE MARKING fig. 4

Example: 205/45 R17 88V

205 = Nominal width (S, distance between sidewalls in mm).

45 = Percentage height/width ratio (H/S).

R = Radial tyre.

17 = Rim diameter in inches (Ø).

88 = Load rating (capacity).

V = Maximum speed rating.

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.

Maximum speed rating for snow tyres

QM + S = up to 160 km/h.

TM + S = up to 190 km/h.

HM + S = up to 210 km/h.

Load rating (capacity)

70 = 335 kg	**81** = 462 kg
71 = 345 kg	**82** = 475 kg
72 = 355 kg	**83** = 487 kg
73 = 365 kg	**84** = 500 kg
74 = 375 kg	**85** = 515 kg
75 = 387 kg	**86** = 530 kg
76 = 400 kg	**87** = 545 kg
77 = 412 kg	**88** = 560 kg
78 = 425 kg	**89** = 580 kg
79 = 437 kg	**90** = 600 kg
80 = 450 kg	**91** = 615 kg

UNDERSTANDING RIM MARKING fig. 4

Example: 7J x 17" ET39

7 = rim width in inches **1**.

J = rim drop centre outline (side projection where the tyre bead rests) **2**.

17 = rim nominal diameter in inches (corresponds to diameter of the tyre to be mounted) **3** = Ø.

ET39 = wheel camber angle (distance between the disc/rim supporting plane and the wheel rim centre line).

Version	Rims (**)	Tyres
1.4 T-JET	6.5J x 17 ET36 7J x 17 ET39	205/45 R17 88V 215/45 R17 91Y (*)

(*) Unchainable tyres

(**) Spacing of studs 100 mm and studs M12 x 1.5 use only wheels specified for this car.

COLD TYRE INFLATION PRESSURE (bar)

Tyres	Medium load		Full load	
	Front	Rear	Front	Rear
215/45 R17 91Y	2.3	2.1	2.2	2.2
205/45 R17 88V	2.3	2.1	2.2	2.2

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.
When running at speed higher than 160 km/h, inflate tyres at full load inflation values.
With T.P.M.S. system, pressure value shall be + 0.1 bar than prescribed value.

DIMENSIONS

Dimensions are expressed in mm and refer to the vehicle fitted with standard tyres.

The height refers to the vehicle unladen.

Boot volume

Unladen boot volume (V.D.A. standards) ..... 275 dm^3

Boot volume with rear seat folded ..... 638 dm^3

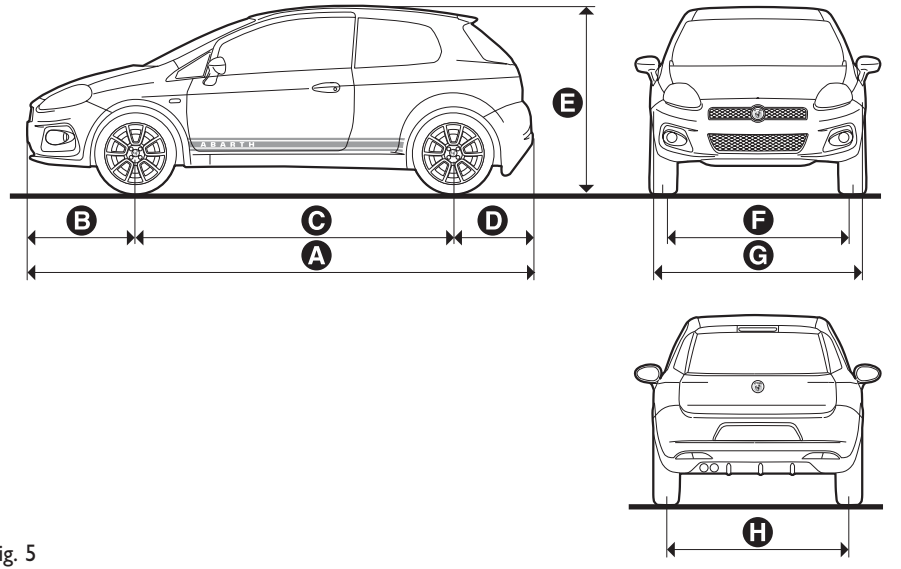


fig. 5

Version	A	B	C	D	E	F	G	H
1.4 - T-JET	4041	878	2510	653	1490	1476	1721	1465

IMPORTANT Track measurements may vary according to rim/tyre size.

PERFORMANCE

Top admitted speed after initial car use in km/h.

1.4 T-JET
208

WEIGHTS

Weights (kg)	1.4 T-JET
Empty weight (including all fluids, fuel tank at 90% and with no optional):	1185
Payload (*) including the driver:	480
Maximum admitted loads (**) – front axle: – rear axle: – total:	 950 850 1665
Towable loads – trailer with brakes: – trailer without brakes:	 500 400
Maximum load on roof:	75
Maximum load on tow hitch (trailer with brakes):	60

(*) If special equipment is fitted (sunroof, tow hitch, etc.) the unladen car weight increases, thus reducing the specified payload.
(**) Loads not be exceeded. The driver is responsible for arranging the loads in the boot and/or on the roof so that they comply with these limits.

CAPACITIES

		1.4 T-JET	Specified fuels and original lubricants
Fuel tank: including a reserve of:	litres litres	45 5 ÷ 7	Unleaded petrol with no less than 95 R.O.N. (EN 228 Specification)
Engine cooling system:	litres	6	Mixture of 50% water and **PARAFLU UP** (❑)
Engine sump: Engine sump and filter:	litres litres	2.4 2.6	**SELENIA ABARTH 10W50**
Gearbox/differential casing	litres	2	**TUTELA CAR MATRYX**
Hydraulic brake circuit:	kg	0.5	**TUTELA TOP 4**
Windscreen, rear window andheadlight washer	litres	2.2	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
Oils for petrol engines	Synthetic totally oils, grade SAE 10W50	**SELENIA ABARTH 10W50** Contractual Technical Reference N° 0101	According to Service Schedule

If using non original SAE 5W-40 products, oils with minimum ACEA C3; in this event top engine performance is not guaranteed. Use of products with low-quality properties than ACEA C3 could cause damages to the engine that are not covered by the warranty.
For very cold climate conditions, ask Abarth Dealership for the appropriate **Selenia** product to use.

Use	Fluid and lubricant specifications for correct car operation	Original fluids and lubricants	Applications
Lubricants and greases for transmission	LSynthetic-based oils, grade SAE 75W- 85 that passes API GL4 PLUS specifications.	**TUTELA CAR MATRYX** Contractual Technical Reference N° F108.F02	Mechanical gearbox and differential
	Grease containing Molybdenum bisulphide for high temperature appliances. N.L.G.I. 1-2 consistency.	**TUTELA ALL STAR** Contractual Technical Reference N° F702.G07	CV joints on wheel side
	Specifc grease to be used for constant-velocity joints with low friction coefficient. N.L.G.I. 0-1 consistency.	**TUTELA STAR 325** Contractual Technical Reference N° F301.D03	CV jointùs on differential side
Brake fluids	Synthetic fluid FMVSS no. 116 DOT 4, ISO 4925 SAE J1704, CUNA NC 956- 01	**TUTELA TOP 4** Contractual Technical Reference N° F001.A93	Brake and clutch hydraulic controls
Protective agent for radiators	Red protective with antifreeze action, based on inhibited monoethylen glycol with organic formula based on O.A.T, that passes CUNA NC 956-16, ASTM D 3306 specifications.	**PARAFLU UP (*)** Contractual Technical Reference N° F101.M01	Radiator antifreeze proportion: 50% water and 50% PARAFLU UP (❑)
Windscreen/ rear window washer fluid	Mixture of alcohol, water and surfactants CUNA NC 956-II	**TUTELA PROFESSIONAL SC 35** Contractual Technical Reference N° F201.D02	To be used diluted or undiluted in windscreen/rear window washer/wiper systems

(*) IMPORTANT Do not top up or mix with fluids having characteristics different from those specified.

(❑) 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: 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 Directive 1999/100/EC (litres x 100 km)

Versions	Urban	Extra-urban	Combined
1.4 T-JET	9,6	5,3	6,9

CO_2 EMISSIONS

The CO_2 emission levels at the exhaust given in the following tables refer to combined consumption.

Versions CO_2	Emissions according to 1999/100/CE Directive (g/km)
1.4 T-JET	162

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PROVISIONS FOR THE PROCESSING OF A VEHICLE AT THE END OF ITS LIFE-CYCLE

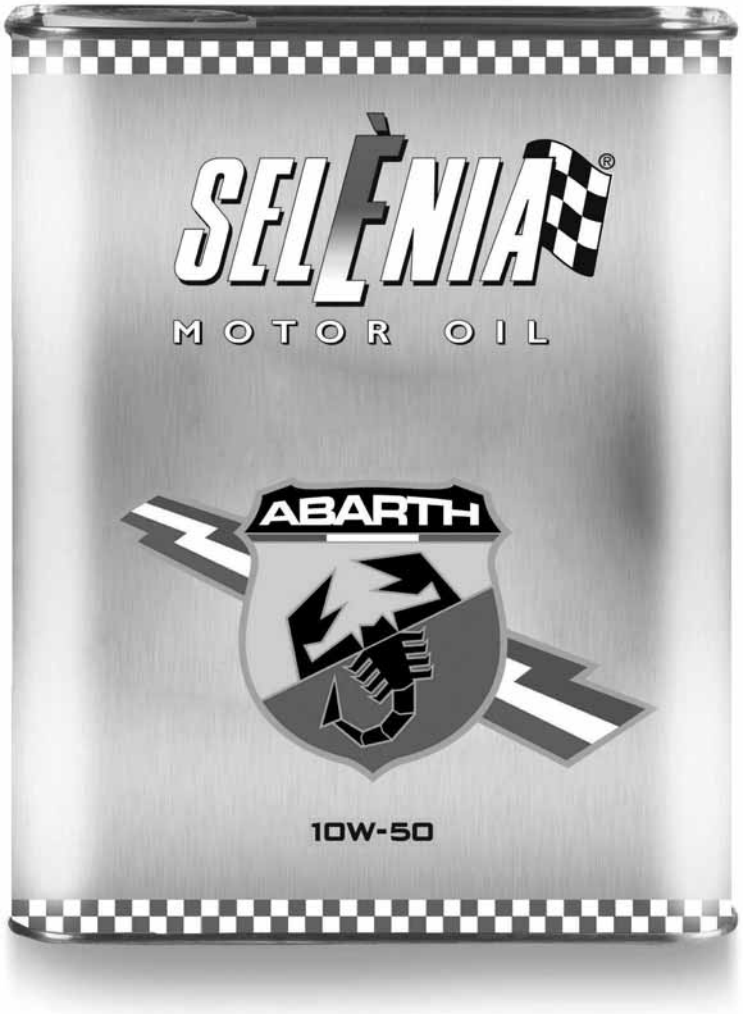
For years now Fiat has been developing its global commitment towards the safeguarding and protection of the Environment through the continuous improvement of its production processes and the making of increasingly more "eco friendly" products. With a view to guaranteeing the best possible service to 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, Fiat 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 Fiat web site or call the toll free number 00800 3428 0000.

(*) Passenger transportation vehicles to seat a max. of nine persons, having a total admissible weight of 3.5 t

NOTES



SELENIA,
PER CHI SI SENTE
DAVVERO ABARTH

SELENIA,
REAL ABARTH
PEOPLE

COLD TYRE INFLATION PRESSURE (bar)

Tyres	Medium load		Full load	
	Front	Rear	Front	Rear
215/45 R17 91Y	2.3	2.1	2.2	2.2
205/45 R17 88V	2.3	2.1	2.2	2.2

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.
When running at speed higher than 160 km/h, inflate tyres at full load inflation values.
With T.P.M.S. system, pressure value shall be + 0.1 bar than prescribed value.

ENGINE OIL REPLACEMENT

	1.4 T-JET	
	litres	kg
Sump and filter	2.6	–

FUEL CAPACITY (litres)

	1.4 T-JET
Tank capacity	45
Riserve	5 ÷ 7

Only refuel cars with petrol engines with unleaded petrol with octane rating (RON) not less than 98 (Specifica EN 228).

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