

F I A T P A N D A



O W N E R H A N D B O O K

Dear Customer,

Thank you for choosing Fiat and congratulations on your choice of a Fiat Panda.

We have written this handbook to help you get to know all your new Fiat Panda's 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 Fiat Panda's technological features.

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



personal safety;



car safety;



environmental protection.

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

- the Warranty Certificate with terms and conditions for maintaining its validity;
- the range of additional services available to Fiat Customers.

Enjoy the reading and happy motoring!

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

READ THIS CAREFULLY!

REFUELLING



Petrol engines: only refuel with unleaded petrol with octane rating (RON) not less than 95 in compliance with the European Standard EN228.

Diesel engines: only refuel with diesel fuel for motor vehicles in compliance with the European Standard EN590. The use of other products or mixtures may damage the engine beyond repair and consequently invalidate the warranty, due to the damage caused.

STARTING THE ENGINE



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

Diesel engines: turn the ignition key to MAR and wait for the warning lights  (or symbol on the display) and  to go off. Then, turn the ignition key to AVV and release it as soon as the engine has started.

PARKING ON FLAMMABLE MATERIAL



The catalytic converter develops high temperatures during operation. Do not park the car on grass, dry leaves, pine needles or other flammable material: fire hazard.

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 (with the risk of gradually draining the battery), contact a Fiat Dealership. They can calculate the overall electrical requirement and check that the vehicle electric system can support the required load.

CODE card



Keep the card in a safe place, not in the car. Make sure you have the electronic code written on the CODE card with you at all times.

SCHEDULED SERVICING



Correct car servicing 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 HANDBOOK CONTAINS...



... important information, tips and warnings for correct use, driving safety and maintenance of your car over time. Pay special attention to the symbols  (personal safety)  (environmental protection)  (the car's wellbeing).

KNOW YOUR VEHICLE

DASHBOARD AND CONTROLS

The presence and position of controls, instruments and gauges may vary depending on the versions.

Left-hand drive versions

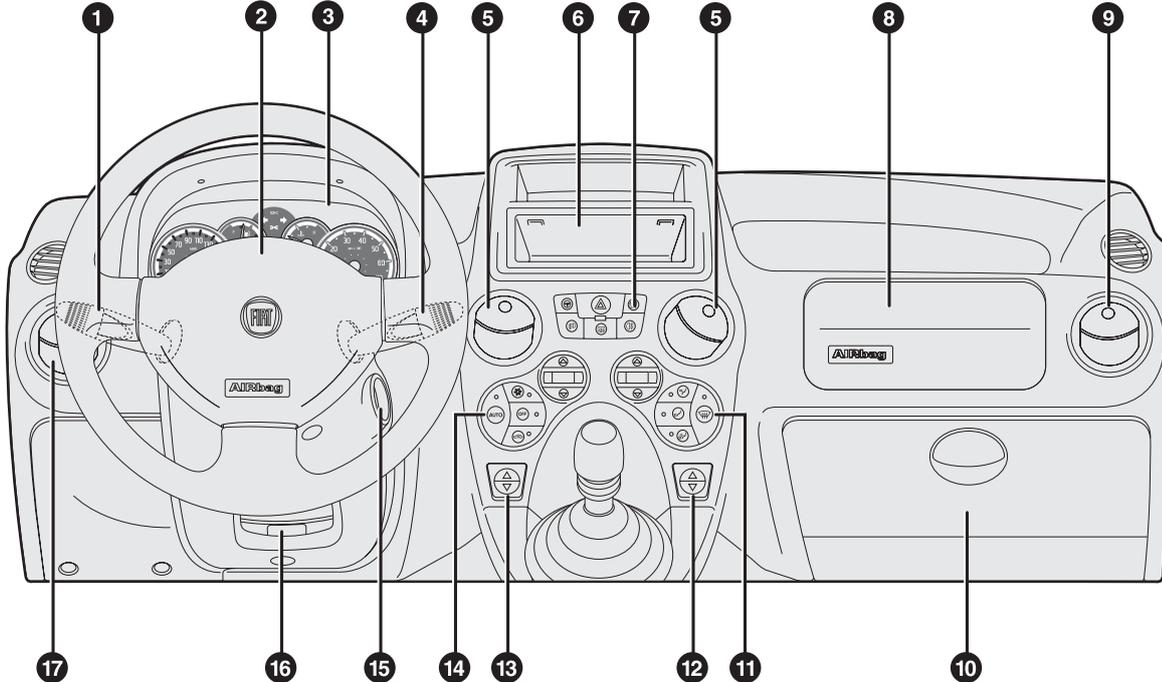


Fig. 1

FOZ0677m

1. Light and direction indicator stalk – 2. Steering wheel with air bag – 3. Instrument panel – 4. Windscreen/rear window wiper lever – 5. Central air vents – 6. Sound system compartment – 7. Various controls – 8. Passenger's air bag – 9. Right-hand side air vent – 10. Glove compartment – 11. Air distribution controls – 12. Right power window control – 13. Left power window control – 14. Climate control system buttons – 15. Ignition switch – 16. Steering wheel adjusting lever – 17. Left-hand side air vent.

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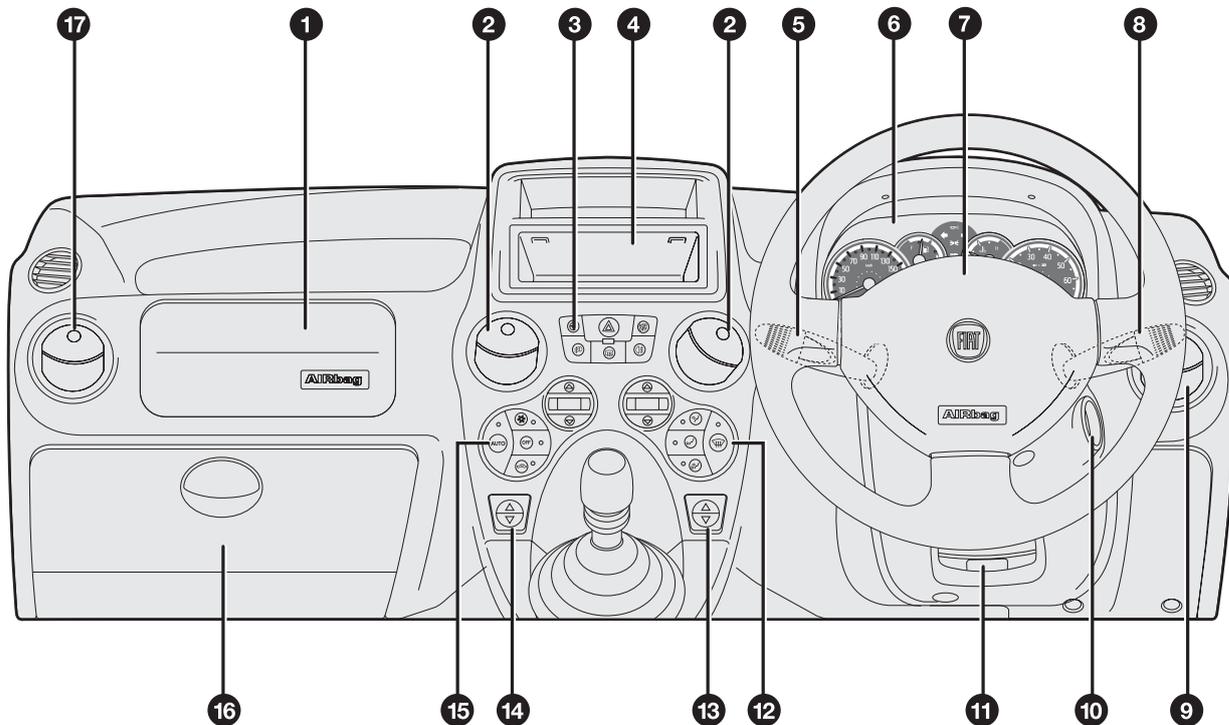


fig. 2

FOZ0678m

1. Passenger's air bag – 2. Central air vents – 3. Various controls – Sound system compartment – Light and direction indicator stalk – 6. Instrument panel – 7. Steering wheel with air bag – 8. Windscreen/rear window wiper lever – 6. Right-hand side air vent – 10. Ignition switch – 11. Steering wheel adjusting lever – 12. Air distribution controls – 13. Right power window control – 14. Left power window control – 15. Climate control system buttons – 16. Glove compartment – 17. Left-hand side air vent.

SYMBOLS

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

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

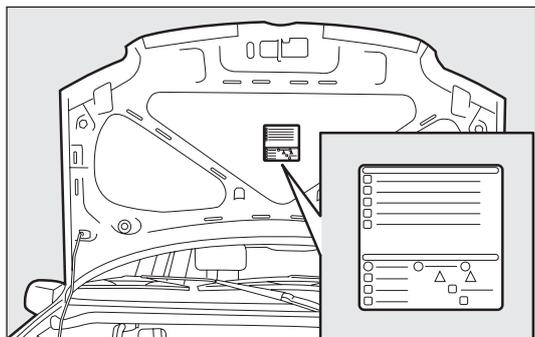


fig. 3

F0Z0003m

THE FIAT CODE SYSTEM

To further protect your car from theft, it has been fitted with an engine immobilising system. It 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 modulated 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 by turning the ignition key to MAR, the Fiat CODE system control unit sends an acknowledgement code to the engine management control unit to deactivate the inhibitor.

The acknowledgement 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 management control unit.

If the code has not been recognised correctly, the instrument panel warning light  turns on.

In this case, turn the key to STOP and then back to MAR; if the lock continues, possibly try with the other keys provided with the car. If you still cannot start the engine, perform the emergency start procedure (see chapter “In an emergency”) and then contact the Fiat Dealership.

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IMPORTANT Each key has its own code which must be stored by the system electronic control unit. Contact the Fiat Dealership to have new keys (up to eight) stored with the code.

Warning light coming on when driving

- If the warning light  turns on, this means that the system is running a self-diagnosis (for example for a voltage drop). At the first stop, turn the ignition key to STOP and then back to MAR: if no failure is detected, the warning light  will not come on.
- If the warning light  stays on, repeat the above procedure leaving the key at STOP for over 30 seconds. Should the fault persist, contact a Fiat Dealership.
- If the warning light  stays on, the code has not been recognised. In this case, turn the key to STOP again and then back to MAR; if the lock continues, possibly try with the other keys provided with the car. If you still cannot start the engine, perform the emergency start procedure (see chapter “In an emergency”) and then contact the Fiat Dealership.



The electronic components inside the key may be damaged if the key is submitted to strong shocks.

THE KEYS

CODE CARD fig. 4

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

- A the electronic code to be used for emergency starting (see “Emergency starting” in chapter “Correct use of the car”).
- B the mechanical key code to be given to the Fiat Dealership when ordering duplicate keys.

Make sure you have the electronic code A with you at all times in the event you have to perform an emergency starting.

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

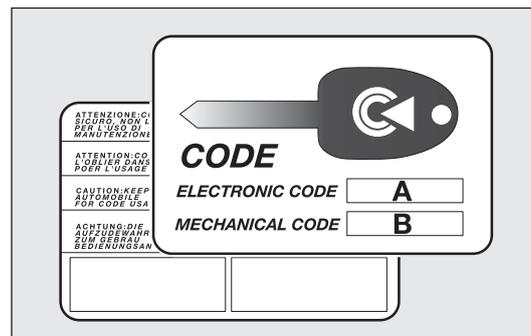


fig. 4



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

KEY WITHOUT REMOTE CONTROL fig. 5

The metal insert A operates:

- the ignition switch;
- the door and the tailgate locks;
- the switch to deactivate the passenger's air bag (for versions/markets, where provided).

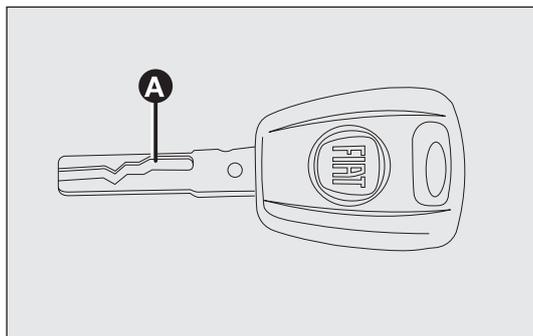


fig. 5

F0Z0680m

KEY WITH REMOTE CONTROL fig. 6 - fig. 7 (for versions/markets, where provided)

The metal insert A operates:

- the ignition switch;
- the door and the tailgate locks;
- the switch to deactivate the passenger's air bag (for versions/markets, where provided).

Press button B to open/close the metal insert.



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 spoiled (e.g. clothes). Never leave the key unattended and make sure it can never be touched by others, especially children, who may inadvertently press the button.

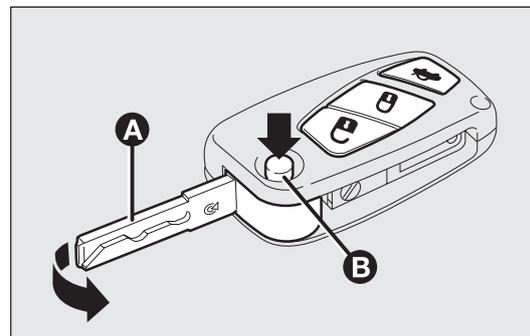


fig. 6

F0Z0681m

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Unlocking the doors and the tailgate

Briefly press button : for unlocking of doors and tailgate, timed switching-on of internal lights and double flashing of direction indicators (for versions/markets where provided).

Doors will be unlocked automatically if the fuel inertia cut-off switch comes into operation.

Locking the doors and the tailgate

Briefly press button : for remote locking of doors and tailgate, switching-off of the internal ceiling lights and single flashing of direction indicators (for versions/markets where provided).

If one of the doors remains open, all doors will be closed and immediately re-opened and the command is rejected, signalled by the direction indicators flashing; in this case check that all of the doors are properly locked and repeat the locking operation.

When a speed of over 20 km/h is reached, the doors will be automatically locked if this specific function was set (only on versions with multifunction reconfigurable display).

Opening the tailgate by the remote control

Press the button . The direction indicators will blink twice when the tailgate is opened.

IMPORTANT If the remote control does not work properly, it is still possible to carry out the above mentioned operations by using the metal insert of the key.

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 Fiat Dealership, taking with you the CODE card, a personal identity document and the car's ownership documents.

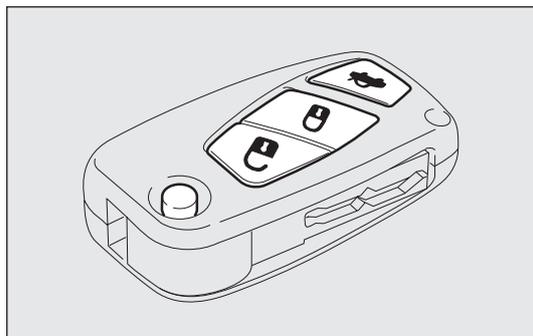


fig. 7

F0Z0682m

REPLACING THE BATTERY OF THE KEY WITH REMOTE CONTROL

To replace the battery, proceed as follows:

- open the snap-fitted lid A-fig. 8 as shown by the arrow;
- remove the used battery and replace it making sure that the polarity matches (positive pole + up);
- the new battery shall be fitted under the catch C-fig. 9; then refit the lid and press it down until hearing the locking click.



Used batteries are harmful to the environment. They should be disposed of, as specified by law, in the special containers provided, otherwise take them to the Fiat Dealership, which will deal with their disposal.

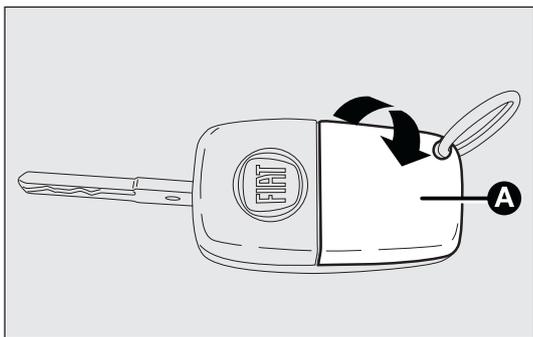


fig. 8

F0Z0683m

IGNITION SWITCH fig. 10

The key can be turned to 3 different positions:

- STOP: engine off, key can be removed, steering column locked. Some electrical devices (e.g. sound system, central door locking system, etc.) may work.
- MAR: driving position. All electrical devices may work.
- AVV: engine starting.

The ignition switch is fitted with a safety mechanisms that, in the event the engine is not started, requires the ignition key to be returned to STOP before repeating the starting operation.

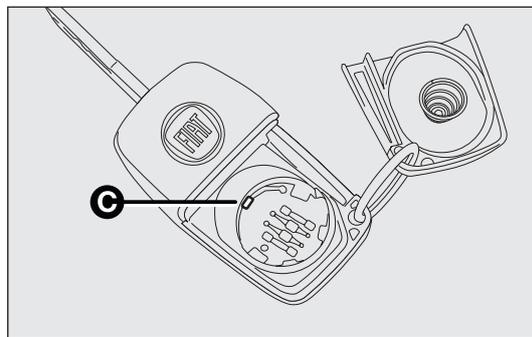


fig. 9

F0Z0684m

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WARNING

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



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. If the car is parked on uphill slope, engage the first gear; if the car is facing downhill, engage the reverse gear. Never leave an unattended children in the car.

STEERING COLUMN LOCK fig. 10

Engagement

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

Disengagement

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



WARNING

Never remove the 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 after-market operations involving steering system or steering column modifications (e.g.: installation of anti-theft device). This could badly affect performance and safety, invalidate the warranty and also result in the non-compliance of the car with approval requirements.

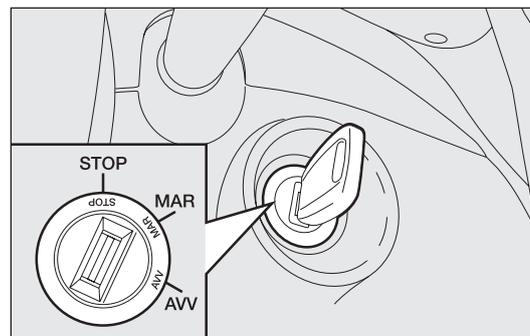
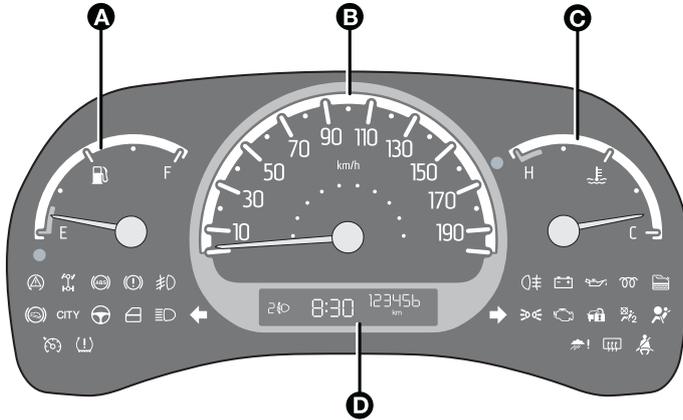


fig. 10

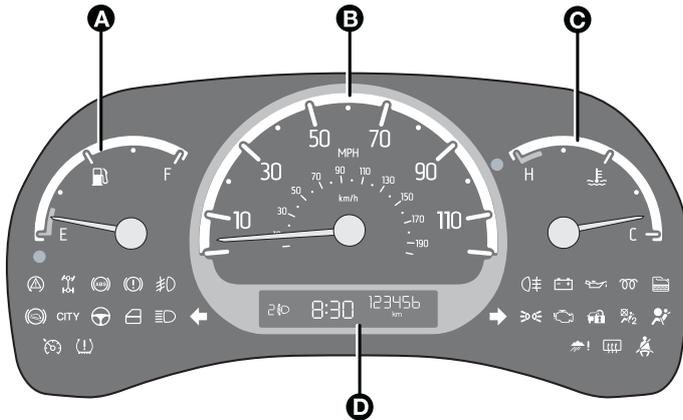
F0Z0026m

INSTRUMENT PANEL



FOZ0250m

fig. 11 – Left-hand drive versions



FOZ0251m

fig. 12 – Right-hand drive versions

- A** Fuel gauge with reserve warning light
- B** Speedometer (speed indicator)
- C** Engine coolant temperature gauge with excess temperature warning light
- D** Digital display.

Warning lights  and  are only provided on Diesel versions.

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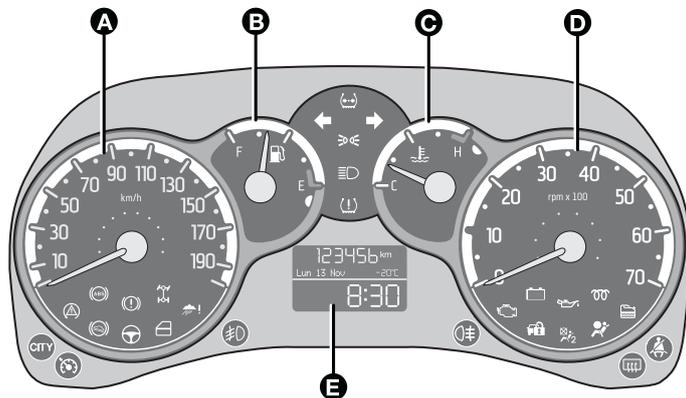


fig. 13 – Left-hand drive versions

FOZ0252m

- A** Speedometer (speed indicator)
 - B** Fuel gauge with reserve warning light
 - C** Engine coolant temperature gauge with excess temperature warning light
 - D** Rev counter
 - E** Multifunction display.
- Warning lights  and  are only provided on Diesel versions.

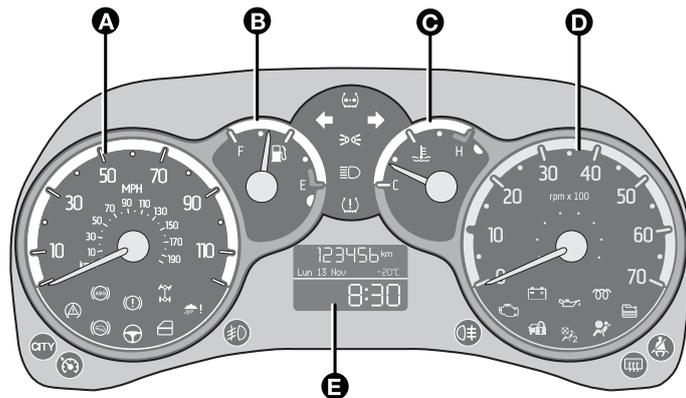


fig. 14 – Right-hand drive versions

FOZ0253m

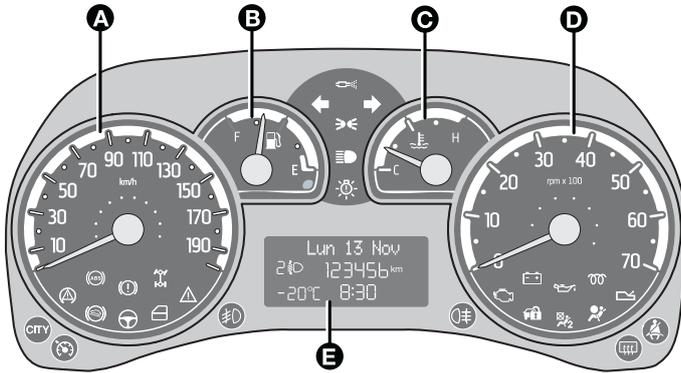


fig. 15 – Left-hand drive versions

F0Z0635m

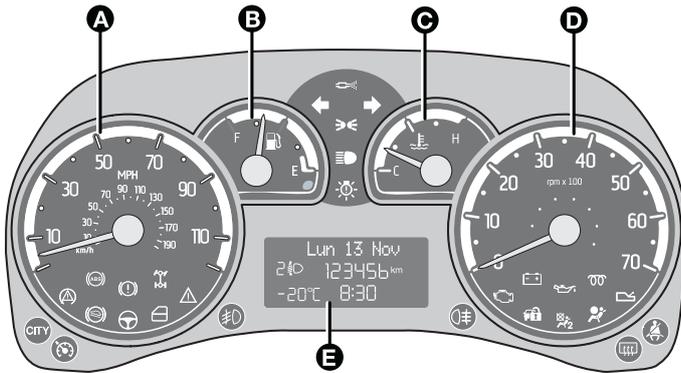


fig. 16 – Right-hand drive versions

F0Z0636m

- A** Speedometer (speed indicator)
- B** Fuel gauge with reserve warning light
- C** Engine coolant temperature gauge with excess temperature warning light
- D** Rev counter
- E** Reconfigurable multifunction display.

Warning light  is only provided on Diesel versions.

Warning light  is only provided on versions fitted with Dualogic gearbox (see “Dualogic” Supplement attached to this Owner Handbook).

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INSTRUMENTS

The instrument background colour and type may vary according to the versions.

SPEEDOMETER (SPEED INDICATOR) fig. 17

The indicator A shows the car speed (speedometer).

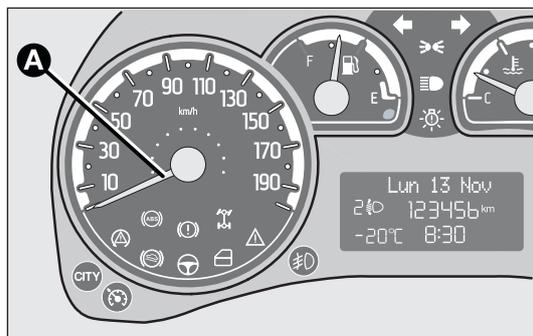


fig. 17

FOZ0146m

REV. COUNTER fig. 18

The indicator B shows the engine revolution number.

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 increase of the speed.

This behaviour is standard as it takes place during the activation of the climate control system or the fan. It should not be considered as a fault. In these cases, a slow change in engine speed preserves the battery charge.

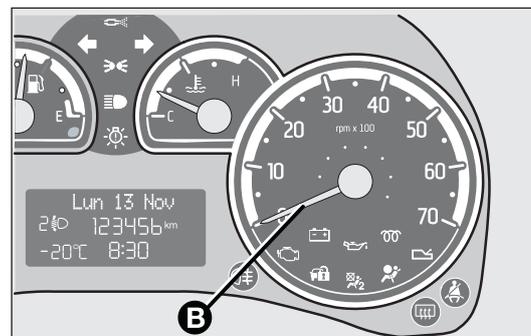


fig. 18

FOZ0256m

FUEL LEVEL GAUGE fig. 19

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

E tank empty.

F tank full (see the instructions provided in paragraph “At the filling station”).

The reserve warning light A turns on to indicate that approximately 5 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 catalytic converter.

IMPORTANT The needle sets to E with the warning light A flashing to indicate that the system is failing. If this is the case, contact a Fiat Dealership to have the system checked.

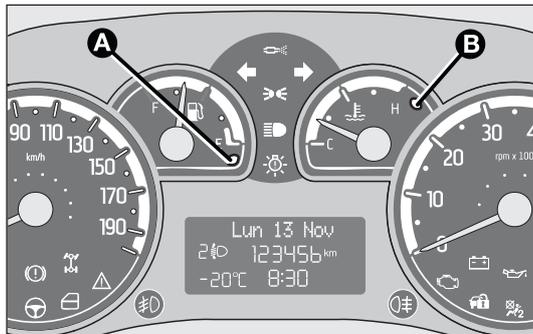


fig. 19

ENGINE COOLANT TEMPERATURE GAUGE fig. 19

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

Under normal conditions, the needle should hover around the middle of the scale depending on the working conditions.

C Low engine coolant temperature

H High engine coolant temperature.

The warning light B may light up (with a message on the reconfigurable multifunction display for some versions) to indicate that the coolant temperature is too high; in this case, stop the engine and contact a Fiat Dealership.



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

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DIGITAL DISPLAY

(for versions/markets, where provided)

“STANDARD” SCREEN fig. 20

The standard screen shows the following information:

- A Headlight aiming position (only with dipped beam headlights on).
- B Clock (always displayed, even with ignition key removed and front doors closed).
- C Odometer (display of covered kilometres or miles).

NOTE With key removed (when opening at least one of the front doors) the display turns on and shows the covered kilometres or miles for a few seconds.

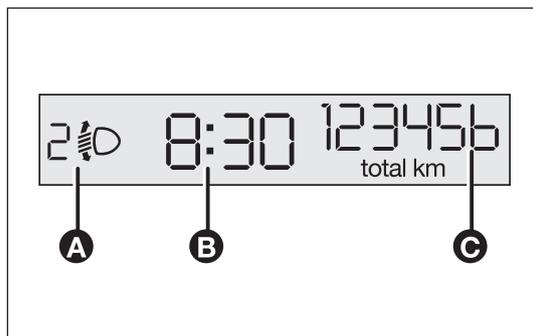


fig. 20

F0Z0015m

CONTROL BUTTONS fig. 21

- A Brief pressing to switch from total to trip km/miles.
Long pressing (over 2 seconds) to reset trip km/miles.
- B Clock setting.

SETTING THE CLOCK fig. 21

To set the clock, press the button B. Every pressing on the button moves the clock forward by one unit. Keeping the button pressed for some seconds obtains automatic fast increase. When you are close to the required time, release the button and complete the adjustment by single presses.

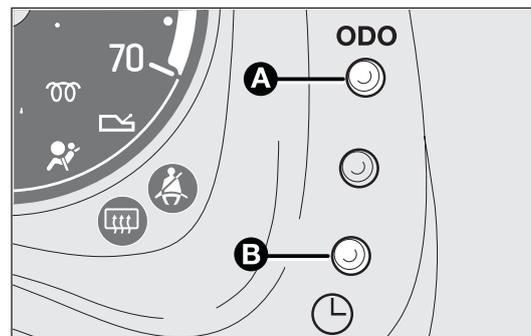


fig. 21

F0Z0027m

WARNING LIGHT TEST fig. 22

The following warning lights are tested:

- engaged handbrake/low brake fluid level;
- ABS and EBD system (where provided);
- ESP system (where provided);
- “Dualdrive” electrical power steering failure (where provided).

The diagnosis is automatically run when the ignition key is turned to MAR and during standard operation when a fault is signalled. At the end of the initial warning light check, the message “LEd Error” will flash on the display for about 10 seconds if a faulty warning light is found.

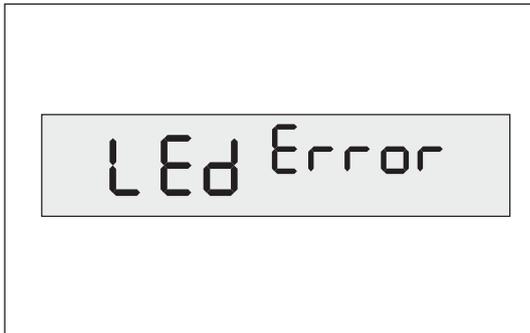


fig. 22

F0Z0185m

MULTIFUNCTION DISPLAY

(for versions/markets, where provided)

STANDARD SCREEN fig. 23

The standard screen shows the following information:

- A Headlight aiming position (only with dipped beam headlights on).
- B Clock.
- C Odometer (display of covered km or miles).

NOTE With key removed (when opening at least one of the front doors) the display turns on and shows the time and covered km or miles, for a few seconds.

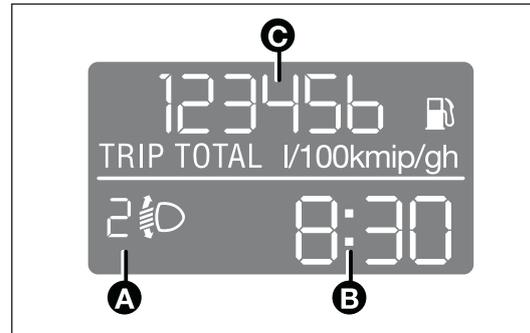


fig. 23

F0Z0016m

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SETTING THE CLOCK fig. 24

To adjust the time, press button A to increase minutes, button B to decrease minutes. Every pressing on the button moves the clock forward by one unit. Keeping the button pressed for some seconds obtains automatic fast increase. When you are close to the required time, release the button and complete the adjustment by single presses.

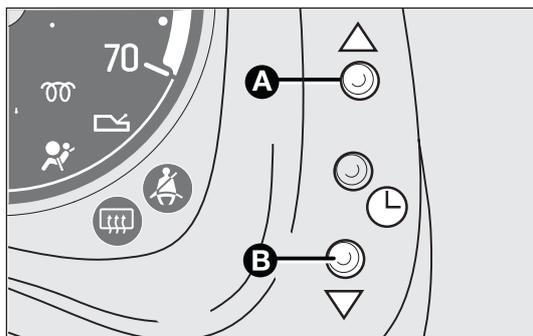


fig. 24

F0I0142m

WARNING LIGHT TEST fig. 25

The following warning lights are tested:

- engaged handbrake/low brake fluid level;
- ABS and EBD system (for versions/markets where provided);
- ESP system (for versions/markets where provided);
- “Dualdrive” electrical power steering failure.

The diagnosis is automatically run when the key is turned to MAR and during standard operation when a fault is signalled. At the end of the initial warning light check, the message “LEd Error” will flash on the display for about 10 seconds if a faulty warning light is found.

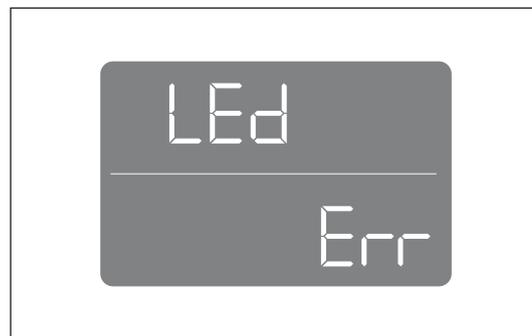


fig. 25

F0Z0152m

RECONFIGURABLE MULTIFUNCTION DISPLAY

(for versions/markets where provided)

The car can be provided with the reconfigurable multifunction display that shows useful information, according to the previous settings, when driving.

“STANDARD” SCREEN fig. 26

The standard screen shows the following information:

- A Date
- B Odometer (display of covered km or miles)
- C Clock
- D External temperature
- E Headlight aiming position (only with dipped beam headlights on).

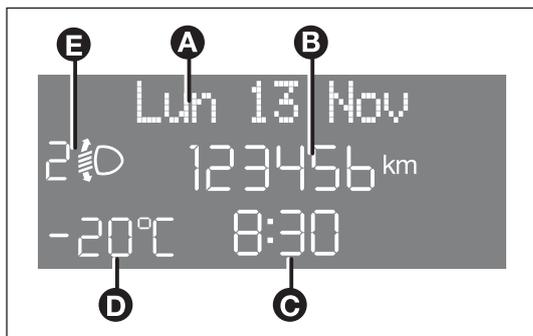


fig. 26

F0Z0017m

NOTE When opening one of the front doors, the display will turn on and show for a few seconds the clock and the kilometres or miles covered.

CONTROL BUTTONS fig. 27

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

MODE Press briefly to enter the menu and/or go to the next screen or to confirm the required menu option.

Hold pressed to go back to the standard screen.

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

NOTE Buttons + and - activate different functions according to the following situations:

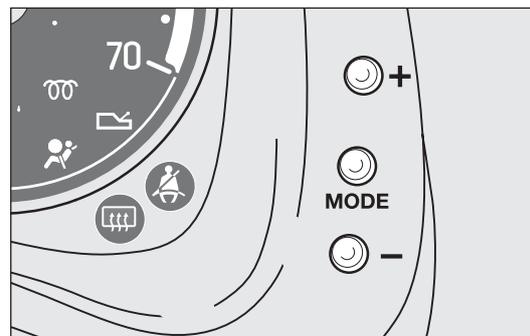


fig. 27

F0Z0630m

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Passenger compartment light adjustment

– to adjust instrument panel, sound system and automatic climate control system display brightness when the standard screen is active.

Setup menu

– within the menu, they allow you to scroll up and down through the options;

– during setting operations they increase or decrease the values.

SETUP MENU fig. 28

The menu comprises a series of functions arranged in a cycle 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 (Setting the clock and Set units).

The setup menu is activated by pressing briefly the button **MODE**.

Single presses on buttons + or – will scroll the setup menu options.

Operating modes are different according to the characteristic of the option selected.

Selecting an option from the main menu without submenu:

– briefly press the button **MODE** to select the main menu option to be changed;

– press buttons + or – (with a single press) to select the new setting;

– briefly press the button **MODE** to store the new setting and at the same time go back to the previously selected main menu option.

Selecting of an option from the main menu with submenu:

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

– press buttons + or – (with a single press) to scroll through all submenu options;

– briefly press the button **MODE** to select the displayed submenu option and to open the relevant set-up menu;

– press buttons + or – (with a single press) to choose a new setting for this submenu option;

– briefly press the button **MODE** to store the new setting and at the same time go back to the previously selected submenu option.

Selecting “Date” and “Set Clock”:

- briefly press the button **MODE** to select the first value to be changed (e.g. hours/minutes or year/month/day);
- press buttons **+** or **–** (with a single press) to select the new setting;
- briefly press the button **MODE** to store the new setting and at the same time go to the next setup menu option. If the processed option is the last one, the system brings you back to the previously selected menu option.

Press the button **MODE** for long:

- to return to the set up menu if you are in the main menu;
- to return to the main menu if you are at another point of the menu (e.g.: at submenu option setting level, at submenu level or at main menu option setting level);
- to save only the changes stored by the user (and confirmed by pressing button **MODE**).

The setup menu is timed; when quitting the menu due to timing expiry, only the changes already stored by the user (and confirmed by pressing briefly the button **MODE**) will be saved.

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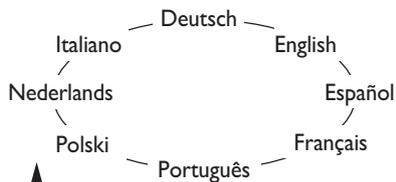
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Example:



On the standard screen, briefly press the button **MODE** to start browsing. Press **+** or **-** to browse within the menu.
NOTE Only the short menu may be accessed for reasons of safety while the vehicle is moving ("Speed BEEP" setting). The standard menu is only available when the car is stationary. On cars equipped with Connect Nav+, many functions are displayed on the navigator display.

Example:

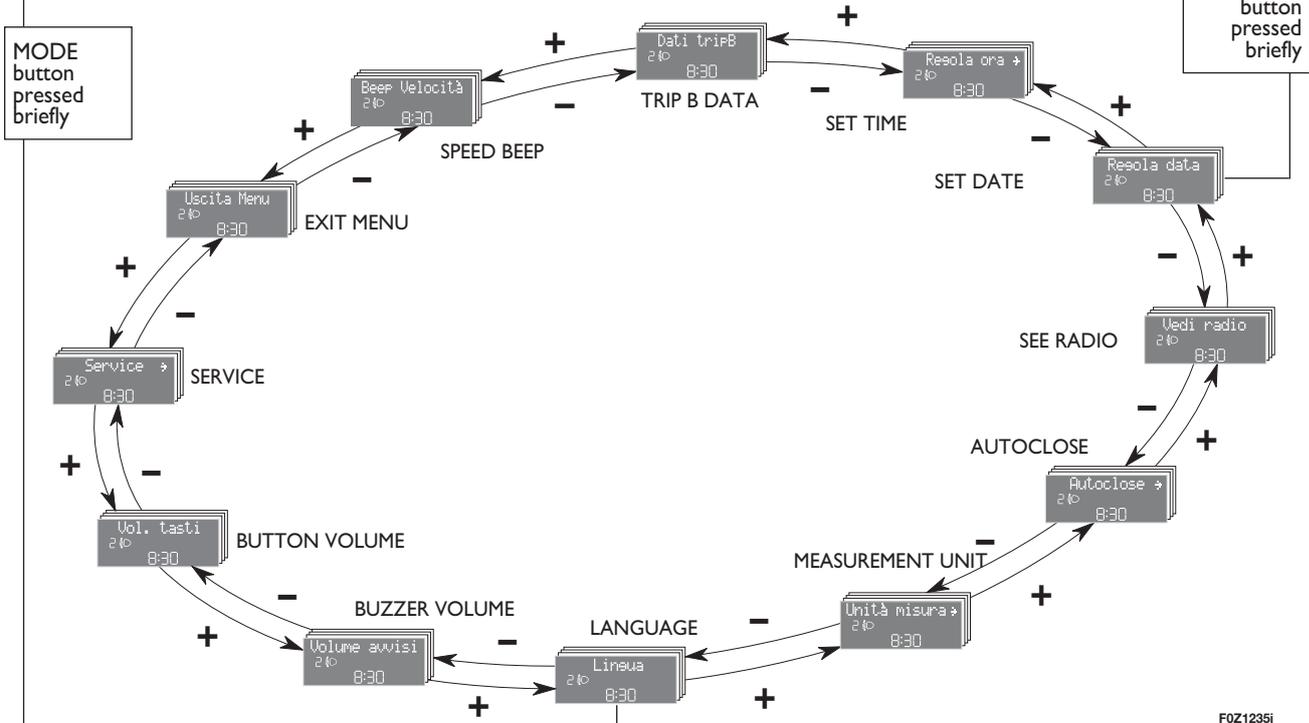
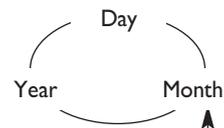


fig. 28

Speed limit (Speed Beep)

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

To set the desired speed limit, proceed as follows:

- briefly press the button MODE: the display will show the wording “Speed Beep”;
- press button + or – to select speed limit activation (On) or deactivation (Off);
- if the function has been activated (On), press the buttons + or – to select the required speed limit and then press MODE to confirm.

NOTE The possible setting is between 30 and 250 km/h, or between 20 and 155 mph depending on the previously set unit see “Setting the distance unit” – “Measurement units” described below. The setting will increase/decrease by five units each time the button + / – is pressed. Hold the button + / – pressed to increase/decrease the setting rapidly and automatically. Complete the setting by single pressing the button when you approach the required value.

- press the button MODE briefly to return to the menu screen or press the button for a prolonged time to go back to the standard screen without storing settings.

To cancel the setting, proceed as follows:

- briefly press the button MODE: “On” flashes on the display;
- press the button –: “Off” flashes on the display;
- briefly press the button MODE to go back to the menu screen or press the button for a prolonged time to go back to the standard screen without storing the settings.

Trip B On/Off (trip B data)

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

For further information see “Trip computer”.

Proceed as follows to switch the function on and off:

- briefly press the button MODE: “On” or “Off” flash on the display (depending on the previous setting);
- press the button + or – to select;
- briefly press the button MODE to go back to the menu screen or press the button for a prolonged time to go back to the standard screen without storing the settings.

Setting the clock (Set time)

This function enables to set the clock through two submenus: “Time” and “Format”.

To carry out the adjustment, proceed as follows:

- briefly press the button MODE, the display will show the two submenus “Time” and “Format”;
- press the button + or – to switch between the two submenus;
- once you have selected the submenu to be changed, press the button MODE briefly;
- *when accessing the “Time” submenu:* briefly press the button MODE : “hours” will flash on the display;
- press the button + or – for setting;
- briefly press the button MODE: “minutes” starts flashing on the display;
- press the button + or – for setting;

- when accessing the “Format” submenu: briefly press the button MODE: the display mode will flash on the display;
- press the button + or – to select “24h” or “12h”.

After setting, briefly press the button MODE to go back to the submenu screen or hold the button down to go back to the main menu screen without storing the new settings.

- press the button MODE again for a longer time to go back to the standard screen or to the main menu according to the current menu level displayed.

Set date (Set date)

By this function you can update the date (day – month – year).

Proceed as follows to update:

- briefly press the button MODE: “day” (dd) will start flashing on the display;
- press the button + or – for setting;
- briefly press the button MODE: “month” (mm) will start flashing on the display;
- press the button + or – for setting;
- briefly press the button MODE: “year” (yyyy) will start flashing on the display;
- press the button + or – for setting.

NOTE The setting increases or decreases by one unit each time the button + 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 value.

- briefly press the button MODE to go back to the menu screen or press the button for a prolonged time to go back to the standard screen without storing the settings.

Audio repetition (See radio)

With this function the display shows information about the sound system.

- Radio: selected radio station frequency or RDS message, automatic tuning activation or AutoStore;
- Audio CD, MP3 CD: track number;
- CD Changer: CD number and track number;
- Tape: operating mode.

To show the sound system information on the display (On) or clear it (Off), proceed as follows:

- briefly press the button MODE: (On) or (Off) will flash on the display (depending on the previous setting);
- press the button + or – to select;
- briefly press the button MODE to go back to the menu screen or press the button for a prolonged time to go back to the standard screen without storing the settings.

Automatic central door locking with car running (Autoclose)

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

Proceed as follows to activate (On) or deactivate (Off) this function:

- briefly press the button MODE to display one submenu;

- briefly press the MODE button: “On” or “Off” will flash on the display (depending on the previous setting);
- press the button + or – to select;
- briefly press the button MODE to go back to the submenu screen or press the button for a prolonged time to go back to the standard screen without storing settings;
- press the button MODE again for a longer time to go back to the standard screen or to the main menu according to the current menu level displayed.

Set units (Measurement units)

With this function it is possible to set the units through three submenus: “Distances”, “Consumption” and “Temperature”.

To set the required unit proceed as follows:

- briefly press the button MODE to display the three submenus;
- press the button + or – to switch between the three submenus;
- once you have selected the submenu to be changed, press the MODE button briefly;
- *when accessing the “Distance” submenu:* and briefly press the button MODE and the display will show “km” or “mi” (depending on the previous setting);
- press the button + or – to select;

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– when accessing the “Consumption” submenu (for versions/markets where provided): briefly press the button MODE and the display will show “km/l”, “l/100km” or “mpg” (depending on the previous setting);

If the set distance unit 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 the button + or – to select;

– When accessing the “Temperature” submenu: briefly press the button MODE and the display will show “°C” or “°F” (depending on the previous setting);

– Press the button + or – to select.

After setting, briefly press the button MODE to go back to the submenu screen or press the button for a longer time to go back to the main menu screen without storing settings.

– Press the button MODE again for a longer time to go back to the standard screen or to the main menu according to the current menu level displayed.

Selecting the language (Language)

After setting, display messages can be shown in different languages: Italian, German, English, Spanish, French, Portuguese, Polish and Dutch.

To set the desired language, proceed as follows:

– briefly press the button MODE: the previously set “language” will flash on the display;

– press the button + or – to select;

– briefly press the button MODE to go back to the menu screen or press the button for a prolonged time to go back to the standard screen without storing the settings.

Adjust the failure/warning buzzer volume (Buzzer Volume)

With this function the volume of the buzzer which accompanies the display of any failure/warning can be adjusted according to 8 levels.

To set the desired volume, proceed as follows:

– briefly press the button MODE: the previously set volume “level” will flash on the display;

– press the button + or – for setting;

– briefly press the button MODE to go back to the menu screen or press the button for a prolonged time to go back to the standard screen without storing the settings.

Adjust the button volume (Button Vol.)

This function is used to set the volume (8 levels) of the beep accompanying the activation of the buttons MODE, + and –.

To set the desired volume, proceed as follows:

- briefly press the button MODE: the previously set volume “level” will flash on the display;
- press the button + or – for setting;
- briefly press the button MODE to go back to the menu screen or press the button for a prolonged time to go back to the standard screen without storing the settings.

Scheduled Servicing (Service)

By this function you can display information about the mileage intervals for car servicing.

To consult this display, proceed as follows:

- briefly press the button MODE: the display shows service requirements in km or mi according to the previous setting (see paragraph “Measurement units”);
- briefly press the button MODE to go back to the menu screen or press the button for a prolonged time to go back to the standard screen.

Note The “Scheduled servicing plan” ensures car servicing every 20,000 km (or 12,000 miles). This is automatically displayed when the ignition key is in the MAR position, from 2,000 km (or the equivalent in miles) before the service and reappears every 200 km (or the equivalent in miles). Below 200 km servicing indications are more frequent. The displaying will be in kilometres or miles depending on the measurement unit settings. When the next scheduled servicing is approaching (“coupon”), the message “Service” will appear on the display followed by the number of kilometres or miles left when the key is turned to MAR. Contact a Fiat Dealership to carry out any service operation provided by the “Scheduled servicing plan” and to reset the display.

Exit Menu

This is the last function that closes the cycle of settings listed in the menu screen.

Briefly press the button MODE to go back to the standard screen without storing the settings.

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

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TRIP COMPUTER

(for versions/markets, where provided)

General features

The “Trip computer” is provided on cars fitted with multifunction display or reconfigurable multifunction display. With ignition key at MAR, the “Trip computer” displays information about the operating status of the car. This function comprises the “General trip” concerning the “complete mission” of the car (journey) and “Trip B”, (only available on reconfigurable multifunction display), concerning the partial mission of the car; this function is included in the general trip information (as shown in fig. 30).

Both functions can be reset (reset means start of a new journey).

“General Trip” displays the figures relating to:

- Range to empty (for versions/markets, where provided)
- Trip distance
- Average consumption (for versions/markets where provided)
- Instant consumption (for versions/markets where provided)
- Average speed
- Trip time (driving time).

“Trip B”, available on the reconfigurable multifunction display only, shows only the figures relating to:

- Trip distance B

- Average consumption B (for versions/markets where provided)
- Average speed B
- Trip time B (driving time).

NOTE “Trip B” function can be excluded (see paragraph “Trip B on”). “Range to empty” cannot be reset.

Values displayed

Range (for versions/markets where provided)

This value shows the distance that the car can still cover before needing fuel, assuming that driving conditions are kept unvaried. The display will show the reading “----” when the following events take place:

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

Trip distance

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

Average consumption (for versions/markets where provided)

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

Instant consumption (for versions/markets where provided)

This indicates instant fuel consumption and it is constantly updated. The display will show “----” if the car is parked with the engine running.

Average speed

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

Trip 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. All values displayed before the failure will not be reset nor a new mission is started.

Button TRIP fig. 29

The button TRIP is located on the top of the right-hand lever. With the ignition key turned to MAR, by this button the previously described parameters can be displayed and reset to start a new mission:

- short pressing to display the different values;
- prolonged pressing to reset and then start a new mission.

New mission

A new mission starts after:

- “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 “Trip time” reaches 99.59 (99 hours and 59 minutes);
- disconnection/reconnection of the battery.

IMPORTANT The reset operations performed after the “General Trip” message displaying are used to also reset the “Trip B”, which, on its turn, is used to reset the values of the corresponding function.

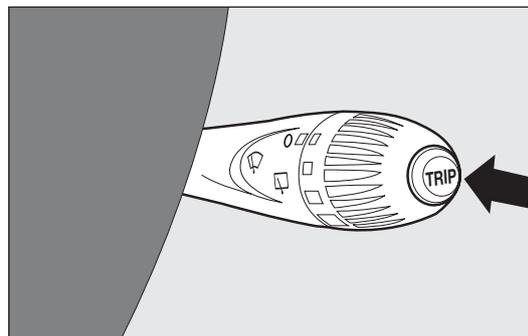


fig. 29

F0Z0149m

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Start of journey procedure

With ignition key on MAR, press and hold the button TRIP pressed for over 2 seconds to reset.

Exit Trip

To quit the Trip function: keep the button MODE pressed for over 2 seconds.

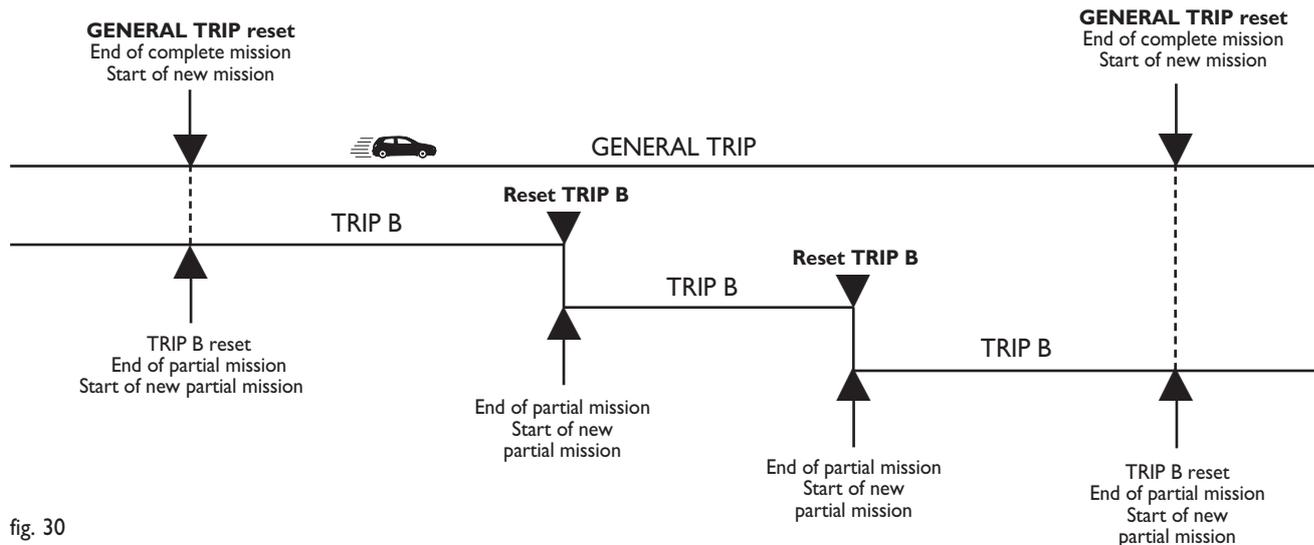


fig. 30

SEATS

FRONT SEATS



WARNING

Only make adjustments when the car is stationary.

Lengthwise direction adjustment fig. 31

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

Backrest angle adjustment fig. 32

Turn the knob B.

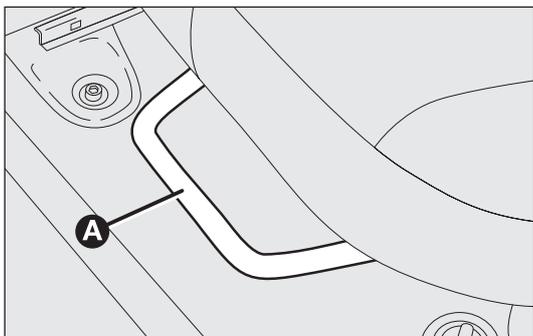


fig. 31

FOZ0029m

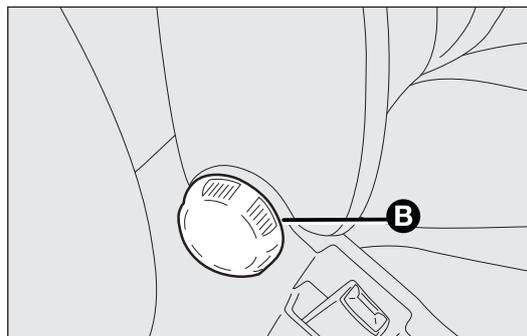


fig. 32

FOZ0030m



WARNING

Once you have released the adjustment lever, always check that the seat is locked on the guides 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.

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Cushion adjustment fig. 33

(for versions/markets where provided)

Use the lever D to lift or lower the back of the cushion to achieve the most comfortable driving position.

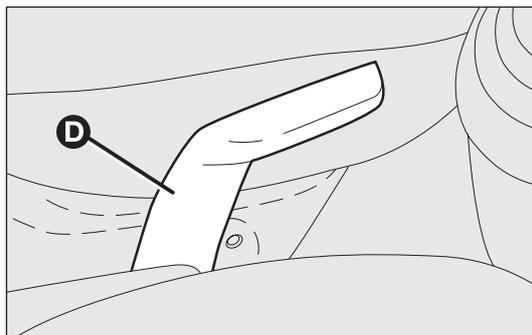


fig. 33

FOZ0031m

REAR SEATS

To tilt rear seats, refer to chapter “Extending the boot”.



The fabric 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 metal buckles, studs, Velcro fastenings and the like, as these items cause stress of the cover fabric that could lead to yarn breaking and damage the upholstery.

HEAD RESTRAINTS

FRONT fig. 34

Depending on the versions, head restraints can be fixed or adjustable in height (for versions/markets where provided); for their adjustment, proceed as follows.

- Upwards adjustment: lift the head restraint until it locks.
- Downward adjustment: press the button A and lower the head restraint.

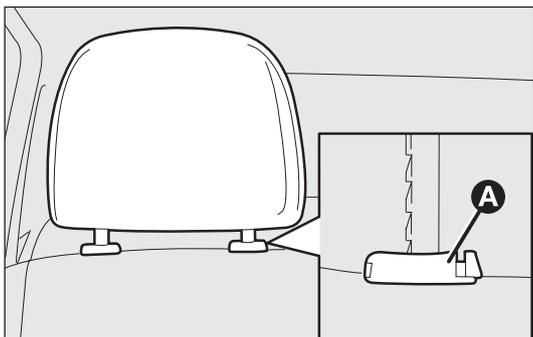


fig. 34

F0Z0033m



WARNING

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



WARNING

Head restraints should be adjusted to support the back of your head and not your neck. Only in this position they exert their protective action.



WARNING

To make the best use of the head restraint protection, adjust the seat back to keep a straight back, with the head as close as possible to its restraint.

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REAR fig. 35

Depending on the versions, head restraints can be fixed (for 5-seat versions) or adjustable. To use adjustable head restraints, raise the head restraint from position 2 (position of non use) to position 1 (completely raised).

To bring them back to the original “position of non use”, press the button B and push the head restraint down.

To take them out, press both buttons B and C, raise them completely.

The particular head restraint shape deliberately interferes with the correct passenger’s back leaning on the backrest in order to force him/her to lift the head restraint and use it correctly.

IMPORTANT If the rear seats are used, always set the head restraints in the “completely raised” position.

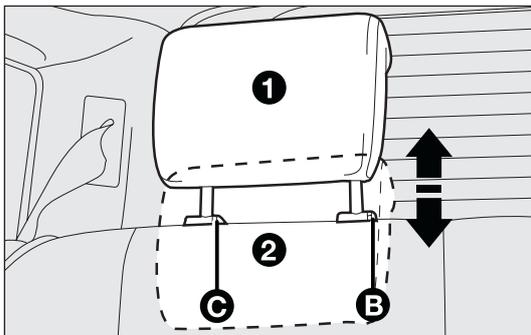


fig. 35

F0Z0034m

STEERING WHEEL

The steering wheel can be adjusted in height (for versions/markets where provided).

Release the lever A-fig. 36 pulling it towards the steering wheel, then adjust it in the most suitable position and lock it pushing the lever A fully forwards.



WARNING

Any adjustments must be carried out only with the car stationary and engine off.

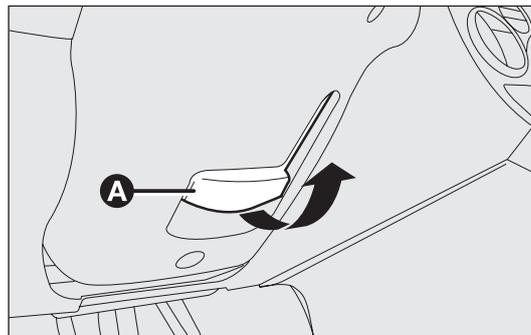


fig. 36

F0Z0061m

REAR VIEW MIRRORS

INTERIOR MIRROR fig. 37

The mirror is fitted with a safety device that causes its release in the event of a violent impact with the passenger.

The mirror can be adjusted to two different positions (normal or antiglare) by means of the lever A.

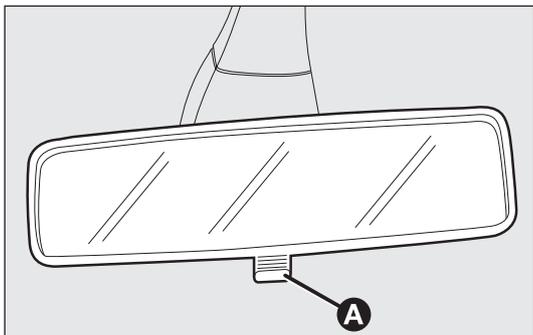


fig. 37

F0Z0036m

BABY SURVEILLANCE MIRROR fig. 38

(for versions/markets where provided)

The surveillance mirror gives the driver and passenger an overview of rear seats, to keep under control all passengers (children) on the rear seats.

The mirror must be fastened to the windscreen using the relevant sucker. **Warning:** to preserve visibility, the surveillance mirror can only be positioned according to fig. 38, over a parallel line to the roof trim, at about 11 cm. Do not place the mirror on printed areas, as it could easily detach.

This is not a toy and should be kept far from children's reach.

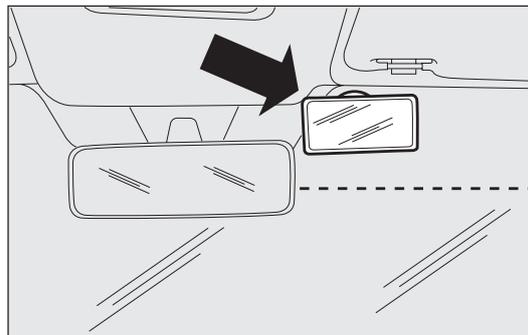


fig. 38

F0Z0744m

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DOOR MIRRORS

Manual adjustment fig. 39

Use the lever A to adjust mirror B from inside the car.

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



WARNING

When driving the mirrors should always be in position 1.

On some versions, the door mirror can be adjusted from the outside; to adjust it directly press slightly the four sides of the mirror.

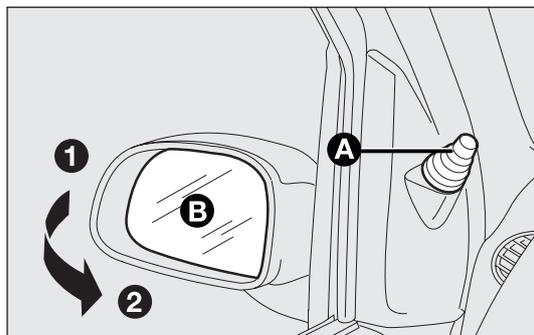


fig. 39

F0Z0197m

Electrical adjustment fig. 40

Proceed as follows:

- use the switch B to select the mirror;
- to adjust the mirror move the joystick A.



WARNING

As door mirrors are curved, they may slightly alter the perception of distance.

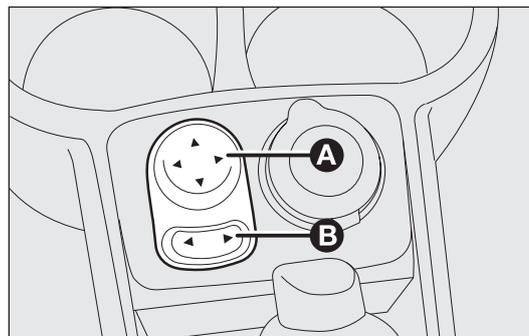


fig. 40

F0Z0039m

HEATING AND VENTILATION fig. 41

1. Vent for windscreen defrosting or demisting – 2. Adjustable central vent – 3. Side adjustable vent – 4. Fixed side vent to convey air to side windows – 5. Side vents to convey air to front seat passengers' feet – 6. Side vents to convey air to rear seat passengers' feet.

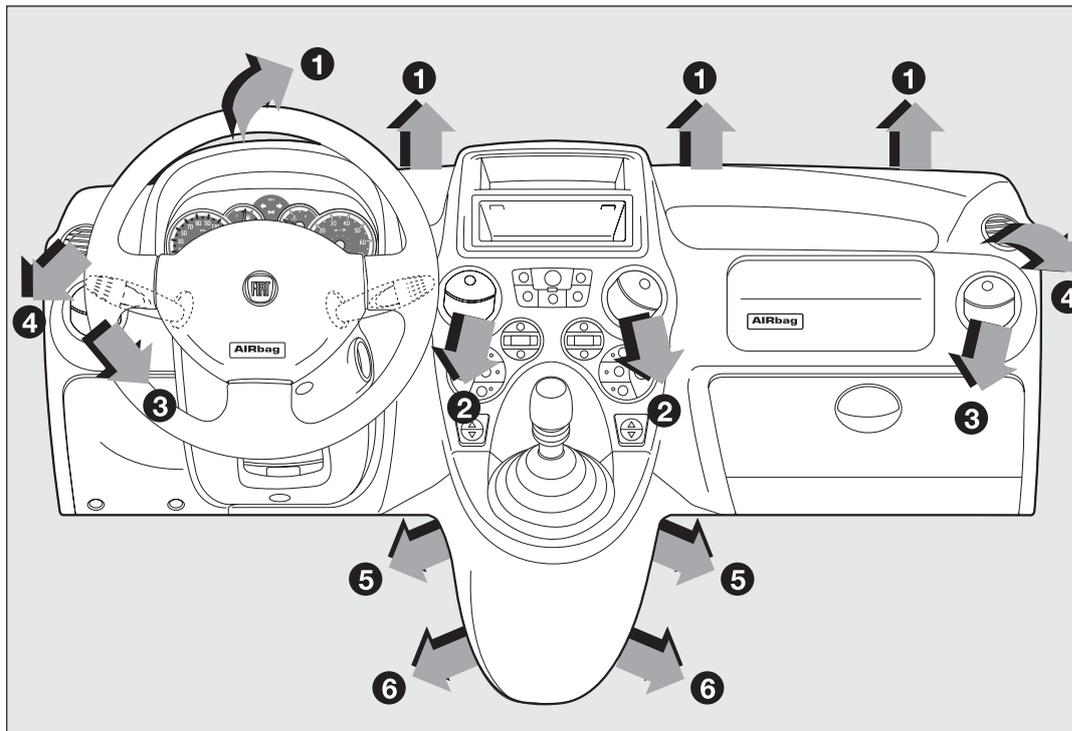


fig. 41

FOZ0685m

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ADJUSTABLE SIDE AND CENTRAL VENTS
fig. 42 – 43

- A Fixed vent for side window.
- B Adjustable side vents.
- C Adjustable central vents.

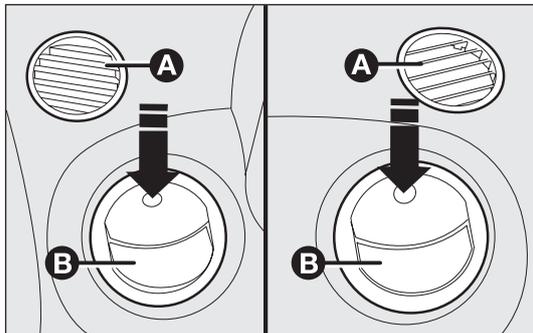


fig. 42

F0Z0023m

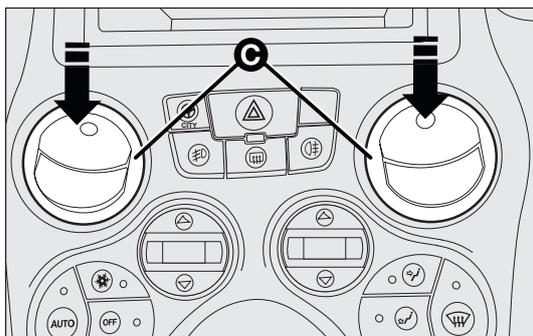


fig. 43

F0Z0024m

To use vents B and C press them as shown by the arrow and adjust them as required (they can be rotated to whatever direction).

CONTROLS fig. 44

Air temperature knob A (mixing hot/cold air)

Red section = hot air

Blue section = cold air

Fan activation/adjustment knob B

0 = fan off

1-2-3 = fan speed

☰ = maximum fan speed

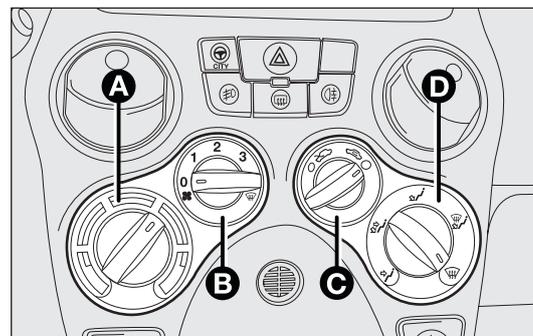


fig. 44

F0Z0022m

Air recirculation on/off knob C

 = outside air intake

 = inside air recirculation

It is advisable to switch the internal air recirculation on while standing in queues or in tunnels to prevent the introduction of polluted air. However, it is better not to use the function for long periods, particularly if there are many people on board, to prevent the windows from misting inside.

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.

Air distribution knob D

 to convey air to the central and side vents;

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

 to heat with outside harsh temperature: close central and side vents 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.

PASSENGER COMPARTMENT VENTILATION

To ventilate the passenger compartment properly, proceed as follows:

- fully open the central and side air vents;
- turn the knob A to blue sector;
- turn the knob C to ;
- turn the knob D to ;
- turn the knob B to the required speed.

PASSENGER COMPARTMENT HEATING

Proceed as follows:

- turn the knob A to the red sector;
- turn the knob D to the required symbol;
- turn the knob B to the required speed.

FAST PASSENGER COMPARTMENT HEATING

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

- turn the knob A to the red sector;
- turn the knob C to ;
- turn the knob D to ;
- turn the knob B to  (maximum fan speed).

Then use the controls to keep the required comfort conditions and turn the knob C to .

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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 AND/OR DEFROSTING

Proceed as follows:

- turn the knob A to the red sector;
- turn the knob C to ;
- turn the knob D to ;
- turn the knob B to  (maximum fan speed).

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

Preventive window demisting procedure

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

- turn the knob A to the red sector;
- make sure the knob C is turned to ;
- turn the knob D to  with the possibility of passing to position  if the windows do not mist up;
- turn the knob B to 2nd speed.

REAR WINDOW DEMISTING/DEFROSTING fig. 45

Press the button A to activate this function; when this function is on the instrument panel warning light  will turn on.

This function is timed and it will turn off automatically after about 20 minutes. Press the button  again to switch the function off.

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.

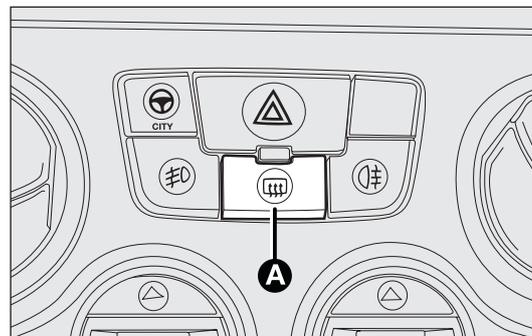


fig. 45

F0Z0143m

MANUAL CLIMATE CONTROL SYSTEM

(for versions/markets where provided)

CONTROLS fig. 46

Air temperature knob A (mixing hot/cold air)

Red section = hot air

Blue section = cold air

Fan activation and climate control system on/off knob B

0 = fan off

1-2-3 = fan speed

 = maximum fan speed

Press the knob to turn the climate control system on, the LED on the knob will turn on. Press it again to turn it off, the LED will turn off.

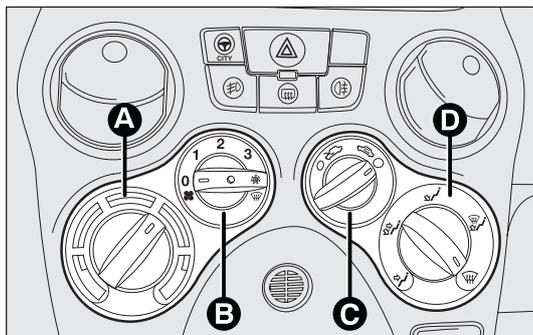


fig. 46

FOZ0600m

Air recirculation on/off knob C

 = outside air intake

 = inside air recirculation

It is advisable to switch the internal air recirculation on while standing in queues or in tunnels to prevent the introduction of polluted air. However, it is better not to use the function for long periods, particularly if there are many people on board, to prevent the windows from misting inside.

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.

Air distribution knob D

 air flow from central vents and side vents;

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

 to speed up passenger compartment warming;

 to warm the passenger compartment and at the same time demist the windscreen;

 to demist and defrost the windscreen and front side windows.

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PASSENGER COMPARTMENT VENTILATION

To ventilate the passenger compartment properly, proceed as follows:

- fully open the central and side air vents;
- turn the knob A to blue sector;
- turn the knob C to ;
- turn the knob D to ;
- turn the knob B to the required speed.

PASSENGER COMPARTMENT HEATING

Proceed as follows:

- turn the knob A to the red sector;
- turn the knob D to the required symbol;
- turn the knob B to the required speed.

FAST PASSENGER COMPARTMENT HEATING

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

- turn the knob A to the red sector;
- turn the knob C to ;
- turn the knob D to ;
- turn the knob B to  (maximum fan speed).

Then use the controls to keep the required comfort conditions and turn the knob C to .

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

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

Proceed as follows:

- turn the knob A to the red sector;
- turn the knob C to ;
- turn the knob D to ;
- turn the knob B to  (maximum fan speed).

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

IMPORTANT The climate control system is very useful to speed up demisting since it dehumidifies the air. Adjust the controls as described above and press knob B to switch the climate control system on: the LED on the knob will light up.

Preventive window demisting procedure

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

- turn the knob A to the red sector;
- turn the knob C to ;
- turn the knob D to  with the possibility of passing to position  if the windows do not mist up;
- turn knob B to 2nd speed.

CLIMATE CONTROL SYSTEM (cooling)

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

- turn the knob A to blue sector;
- turn the knob C to ;
- turn the knob D to ;
- press the knob B to turn the climate control system on; the LED on the knob will come on;
- turn the knob B to  (maximum fan speed).

Cooling adjustment

- turn the knob A to the right to increase the temperature;
- turn the knob C to ;
- turn the knob B to reduce the fan speed.

SYSTEM SERVICING

In 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 Fiat Dealership.



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

AIR CONDITIONS CONTROL SYSTEM

(for versions/markets where provided)

The automatic climate control system automatically regulates the following depending on the temperature set by the user:

- the temperature of the air conveyed to the passenger compartment;
- fan speed (continuous air flow variation);
- air distribution inside the passenger compartment;
- compressor activation/deactivation (to cool/dehumidify air);
- air recirculation on/off.

The system continuously processes different parameters to keep constant the comfort inside the passenger compartment and to compensate for any variation of the outside climate conditions.

All the above functions can be changed manually by selecting the required function/s. Manual setting of a function does not impair the automatic control of the other functions even if the AUTO button LED is off. Manual selections will always prevail over automatic settings and will be stored until the user switches the system back to automatic mode pressing the AUTO button, except for the cases in which the system will intervene for particular, safety-related reasons.

CONTROLS fig. 47

AUTO – button (A) Automatic climate control system function engagement.

Pressing the AUTO button and setting the required temperature, the system adjusts air temperature, quantity and distribution into the passenger compartment and controls the compressor operation.

Button  – B Compressor on/off

Pressing the button, with LED on, the compressor and the LED switch off.

Pressing the button when the LED is off, the automatic system is restored, activating the compressor and turning the button LED on.

When the compressor is off:

- the system will deactivate air recirculation to prevent window misting up;

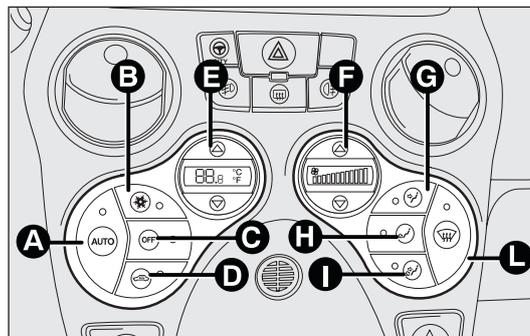


fig. 47

F0Z0601m

- it is not possible to convey air to the passenger compartment with a temperature below the outside temperature (the displayed temperature value will flash when the system cannot guarantee the required comfort conditions);
- the fan speed can be manually reset (with compressor enabled, ventilation cannot go below a bar shown on the display).

Button OFF – C System switching off

Pressing the OFF button the system is switched off.

With the system off, the climate control system conditions are as follows:

- all LEDs off;
- set temperature display off;
- air recirculation off;
- compressor off;
- fan off.

Under this condition, air recirculation can be turned on or off without activating the system.

IMPORTANT The system will store the settings (except recirculation) performed before turning off and will resume them when pressing any button (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 start the system automatically.

Button – D Air recirculation on/off

It is advisable to switch the internal air recirculation on while standing in queues or in tunnels to prevent the introduction of polluted air.

Led on button ON = recirculation ON.

Led on button OFF = recirculation OFF.

At low temperatures or if the compressor is off, the recirculation is forced to off to avoid misting.

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

During AUTO operation, due to safety reasons and to refresh air flow, after long recirculation activation (over 25 minutes) the system will deactivate automatically air recirculation for 1 minute.

Buttons Δ ∇ – E Temperature setting

Pressing the button Δ the temperature in the passenger compartment will rise until the value HI is reached (maximum heating).

Pressing the button ∇ the temperature in the passenger compartment will decrease until the value LO is reached (maximum cooling).

HI function

This function can be switched on to heat the passenger compartment as quickly as possible; air distribution and fan speed are controlled by the system.

To turn this function off, set the required temperature.

IMPORTANT If the heating fluid is not sufficiently hot, maximum fan speed will not be activated immediately to prevent air not warm enough from entering the passenger compartment.

LO function

This function can be switched on to cool the passenger compartment as quickly as possible; with this function switched on the compressor will be engaged whereas air distribution and fan speed are controlled by the system. To turn this function off, set the required temperature.

IMPORTANT With the function switched on, however, all the manual settings can be made.

**Buttons Δ ∇ – F
Fan speed adjustment**

Pressing the buttons Δ or ∇ respectively, the fan speed shown on the display bars increases or decreases.

The fan can be cut off only if the compressor has been switched off (B button).

To restore automatic fan speed control, press the AUTO button.

**Buttons \curvearrowright \curvearrowleft \curvearrowup – G H I
Air distribution manual selection**

Pressing the buttons, one of the five possible air flow distribution patterns can be selected:

- \curvearrowright air flow to the central and side dashboard vents to ventilate the chest and the face during the hot season.
- \curvearrowleft to the central and side dashboard vents to ventilate the chest and the face and to the footwell vents, in intermediate temperature conditions.

- \curvearrowright to the front seat footwell vents. Due to the natural tendency of heat to spread upwards, this type of distribution warms the passenger compartment up as quickly as possible, providing an immediate feeling of warmth.

- \curvearrowright + \curvearrowleft distribution between feet area vents (warmest air) and dashboard vents (coolest air).

- \curvearrowright + \curvearrowup distribution between feet area vents and windscreen/side front window vents. This type of distribution achieves an adequate warming of the passenger compartment and prevents the windows from misting up.

The set air distribution is shown by the LEDs on the selected buttons.

To restore the automatic air distribution control, press the AUTO button.

During automatic operation, under particular climate conditions, the system can send air to the windscreen although the relevant LED does not turn on.

**Button \curvearrowright - L
Fast front window demisting/defrosting**

Pressing the button \curvearrowright the system activates all the functions required for fast demisting/defrosting, that is:

- compressor switching-on (if the weather conditions are suitable);
- air recirculation switching-off;
- maximum air temperature setting (HI);
- fan speed enabling depending on the coolant temperature;

- air flow conveying to the windscreen and front side windows;
- heated rear window switching-on.

IMPORTANT This function stays on for about 3 minutes, since engine coolant temperature exceeds 50 °C (petrol versions) or 35 °C (Diesel versions).

When the function is on, the LEDs on button  and those on the heated rear window button  turn on, whereas the AUTO button LED will turn off; when this function is on, the only operations possible are fan speed adjustment and heated rear window switching-off.

To turn the function off, press the button  again or the AUTO button.

USING THE CLIMATE CONTROL SYSTEM

The system can be turned on in different ways, it is however advisable to set the required temperature and then to press the AUTO button. In this way, the system starts to work fully automatically to reach the required comfort conditions as soon as possible.

During automatic operation it is possible:

- to select the required temperature (buttons $\nabla \Delta$ – E);
- to activate or deactivate air recirculation (button  – D);
- to activate fast window demisting/defrosting (button  – L);
- to select air distribution (buttons $\nearrow \swarrow \nwarrow$ – G H I);

- to select the fan speed (buttons $\Delta \nabla$ – F).

The system will automatically modify its settings according to set changes and the button LED will turn off. To restore automatic operation press again the AUTO button.

SYSTEM SERVICING

In winter, the climate control system must be turned on at least once a month for about 10 minutes.

Before summer, have the system inspected at a Fiat Dealership.



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

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EXTERNAL LIGHTS

The left-hand stalk operates most of the external lights. The external lights can only be switched on when the ignition key is on MAR.

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

LIGHTS SWITCHED OFF fig. 48

Knurled ring turned to position .

SIDE LIGHTS fig. 48

Turn the knurled ring to position .

The warning light  on the instrument panel comes on.

DIPPED BEAM HEADLIGHTS fig. 48

Turn the knurled ring to position .

The warning light  on the instrument panel comes on.

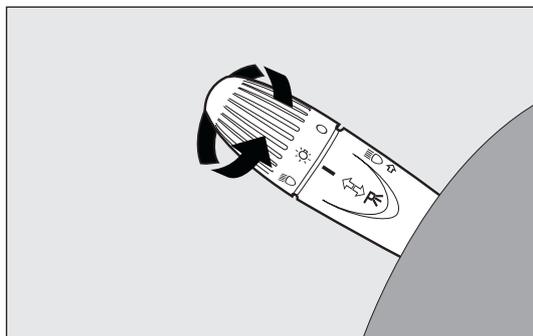


fig. 48

F0Z0122m

MAIN BEAM HEADLIGHTS fig. 48

With knurled ring in position , push the stalk forward toward the dashboard (stable position).

The warning light  on the instrument panel will come on. Pulling the stalk towards the steering wheel, the main beams are turned off and the dipped beams on.

HEADLIGHT FLASHING fig. 48

You can flash the beams pulling the stalk toward the steering wheel (spring-return position). The warning light  on the instrument panel will come on.

PARKING LIGHTS fig. 49

With the ignition key at STOP or removed, turn the knurled ring to position . The warning light  on the instrument panel will go on with the side/tail lights and the number plate lights. Move the stalk upwards **1** to turn on the right side lights only; move it downwards **2** to turn on the left side lights only. In both cases, the warning light  on the instrument panel will not light up.

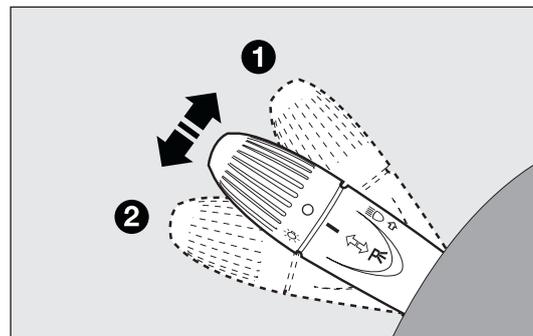


fig. 49

F0Z0126m

DIRECTION INDICATORS fig. 49

Up (position ①) = right-hand direction indicator.

Down (position ②) = left-hand direction indicator.

The warning light  or  start flashing on the instrument panel.

Direction 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 (spring-return position). When released the stalk will return to its home position.

“FOLLOW ME HOME” DEVICE

This allows the space surrounding the car to be lit up for a certain period of time.

Activation

With the ignition key on STOP or removed, pull the stalk towards the steering wheel within 2 minutes from when the engine is turned off.

At each single movement of the stalk, the lights will remain on for an extra 30 seconds up to a maximum of 210 seconds; then the lights are switched off automatically.

Every time the stalk is operated, the warning light , on the instrument panel switches on. The display will show the time of activation.

The warning light comes on when the stalk is pulled for

the first time and stays lit until the function switches itself off automatically. Each time the stalk is activated the time will extend lights switching-on time.

Deactivation

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

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WINDOW WASHING

The right stalk fig. 50 controls windscreen wiper/washer and rear window wiper/washer operation.

WINDSCREEN WASHER/WIPER

The device can only work when the ignition key is at MAR. The stalk has five different positions (four speed levels):

- A windscreen wiper off.
- B intermittent operation.
- C continuous slow operation.
- D continuous fast operation.
- E fast temporary operation (spring-return position).

The temporary fast function lasts as long as you manually keep the stalk in that position. The stalk returns to position A when it is released, automatically stopping the windscreen wipers.

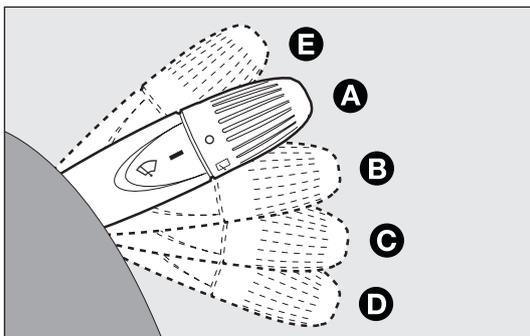


fig. 50

F0Z0127m

Windscreen wiper slowing down according to car speed

(for versions/markets where provided)

On some versions, when decelerating until stopping the car, will the windscreen wiper will slow down automatically. Speed will be resumed automatically when the car speed exceeds 10 km/h. The windscreen speed can be changed manually at any time.

“Smart washing” function

Pull the stalk towards the steering wheel (spring-return position) to operate the windscreen washer.

Keep the stalk pulled, with just one movement, to operate the washer jet and the windscreen wiper; the latter automatically turns on if you keep the stalk pulled for more than half a second. The windscreen wiper stops operating a few strokes after releasing the stalk; a further “cleaning stroke”, after a few seconds, completes the wiping operation.



Never use the windscreen wipers to remove layers of snow or ice from the windscreen. In these conditions, the windscreen wipers may be submitted to excessive effort resulting in motor protection cutting in and wiper operation inhibition for a few seconds. If the operation is not restored, contact a Fiat Dealership.

REAR WINDOW WASHER/WIPER

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

Turn the knurled ring to  to operate the rear window wiper.

With the windscreen wiper on, turn the knurled ring to  to turn on the rear window wiper. In this case the wiper works (in the different positions) timed with the windscreen wiper, but at half speed.

With the windscreen wiper on, engaging reverse gear will automatically turn the rear window wiper on, in continuous slow operation.

Operation stops by disengaging reverse.

“Smart washing” function

Pushing the stalk towards the dashboard (spring-return position) will activate the rear window washer.

Keep the stalk pressed, with just one movement, to operate the rear window washer jet and the rear window wiper itself; the latter automatically turns on if you keep the stalk pressed for more than half a second.

The rear window wiper stops operating a few strokes after releasing the stalk; a further “cleaning stroke”, after a few seconds, completes the wiping operation.



Do not use the rear window wiper to remove layers of snow or ice from the windscreen. In these conditions, the rear window wipers may be submitted to excessive effort resulting in motor protection cutting in and wiper operation inhibition for a few seconds. If the operation is not restored, contact a Fiat Dealership.

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CEILING LIGHT

FRONT CEILING LIGHT fig. 51

The lens A can have three positions:

- side ① pressed: light always on
- side ② pressed: light always off
- central position (neutral): the light turns on and off when the doors are opened or closed.

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

For some versions, light switching-on and off occur only when the front driver's door is opened or closed.

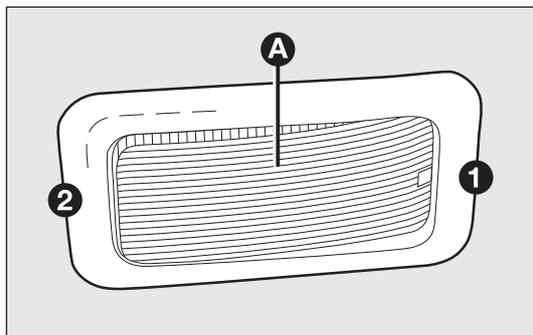


fig. 51

FOZ0032m

Ceiling light timing (lens central position)

Three different switching-on modes are provided:

- when opening one door a three-minute timing will start, to be repeated each time one door is opened;
- approximately 10-second timing will start when removing the ignition key within two minutes from turning the engine off;
- approximately 10-second timing will start when opening the doors (by both remote control or key into driver's door lock).

Two switching-off modes are provided:

- when closing all doors, the 3-minute timing will go off and a 10-second one will start. This timing will go off when turning the key to MAR;
- when locking the doors (by both remote control or key into driver's door lock), the ceiling light goes off.

On some versions, the ceiling light will switch on and off gradually; the ceiling light will switch off automatically 15 minutes after turning the engine off.

BOOT LIGHT fig. 52

The boot light switches on automatically when the luggage compartment is opened and switches off when it is closed.

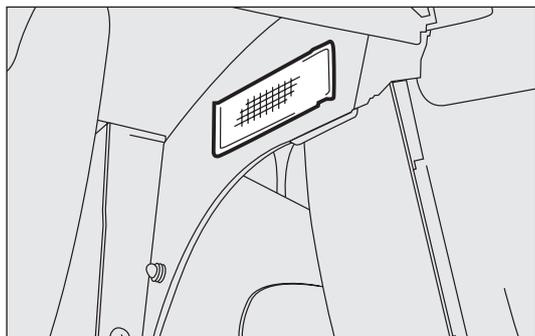


fig. 52

F0Z0230m

CONTROLS

DUALDRIVE ELECTRIC POWER STEERING SYSTEM fig. 53

(for versions/markets where provided)

Press the button A to turn the “CITY” function on (see paragraph “Electric power steering”). When this function is on, the wording CITY on the instrument panel will turn on. Press the button again to turn the function off.

HAZARD LIGHTS fig. 53

They are turned on by pressing the button B, regardless of the position of the ignition key.

When the device is on, the switch is flashing and warning lights \leftarrow and \rightarrow on the cluster come on.

Press button B again to turn off.

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

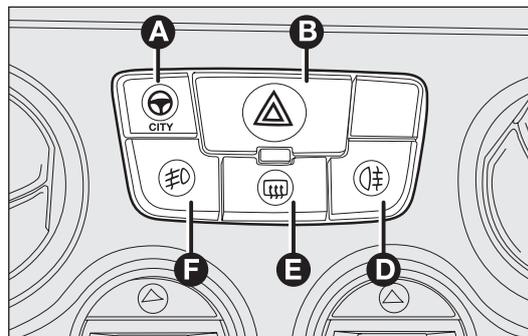


fig. 53

F0Z0020m

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FOG LIGHTS fig. 53

(for versions/markets where provided)

To turn the lights on, press the button F with the side lights on.

With fog lights on, the warning light Ⓢ on the instrument panel will come on at the same time.

Press the button again to turn the lights off.

REAR FOG LIGHTS fig. 53

To turn the lights on press the button D with the dipped beam or fog lights on.

With lights on, the warning light Ⓢ on the instrument panel will come on at the same time. Press the button again to turn the lights off.

HEATED REAR WINDOW fig. 53

Operate control E to turn the heated rear window on.

With heated rear window on, the warning light Ⓢ comes on. Press again to turn off.

This function will turn off automatically after about 20 minutes.

FUEL CUT-OFF SWITCH fig. 54

It is located under the driver's seat and comes into operation in the case of a collision:

- cutting off fuel supply with resultant engine switching-off;
- automatically unlocking the doors;
- switching on interior lights (for about 15 minutes).

When the device comes into operation the message "FPS on" is shown on the display.

For the reconfigurable multifunction display, the message "Inertia switch intervened – See Handbook" will be displayed.

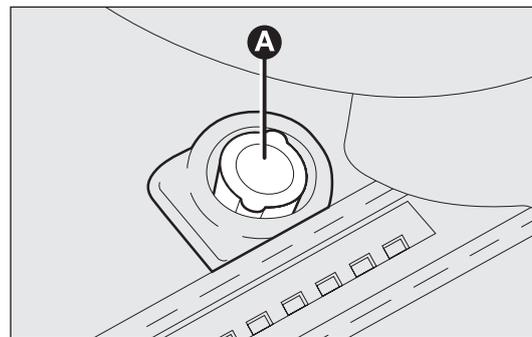


fig. 54

F0Z0028m

Carefully inspect the car for fuel leakages, e.g. in the engine compartment, under the car or near the fuel tank.

If no fuel leaks are found and the car can be started again, press the button A to reset the fuel system and the lights.

After a collision, turn the ignition key to STOP to prevent battery running down.



WARNING

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



WARNING

The cigar lighter gets very hot. Handle it carefully and make sure children don't touch it: risk of fire and/or burns.

INTERIOR FITTINGS

CIGAR LIGHTER AND ASHTRAY fig. 55

(for versions/markets where provided)

Press the button A; after about 15 seconds it will return to its original position and the cigar lighter is ready for use.

IMPORTANT Always check that the cigar lighter has turned off.

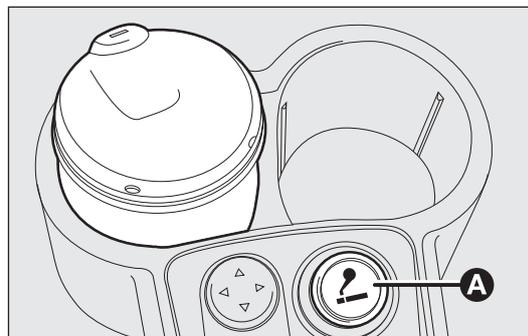


fig. 55

F0Z0223m

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The ashtray can be removed and can be placed into the glass holder to be used also by rear passengers.

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

SUN VISORS fig. 56

They are located at the sides of the driving rear view mirror.

They can be adjusted forwards and sideways.

A courtesy mirror is applied to the back of the passenger's side sun visor, while a pocket is applied to the back of the driver's side sun visor. On certain versions the courtesy mirror is fitted also on the driver's sun visor.

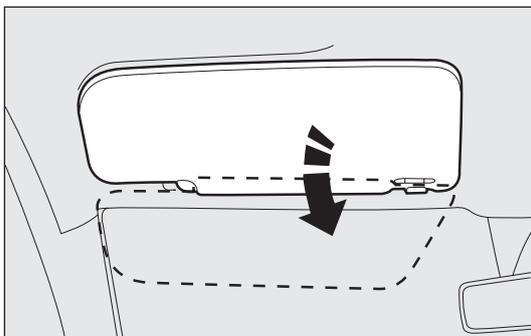


fig. 56

FOZ0069m

GLOVEBOX ON PASSENGER'S SIDE DASHBOARD fig. 57

Open the glovebox as indicated by the arrow.

On the dashboard, above the glovebox, there is an oddment compartment for small objects.

On some versions, the glovebox has been replaced with an open oddment compartment.



WARNING

Do not travel with the gloveboxes open: risk of passenger's injury in case of accident.

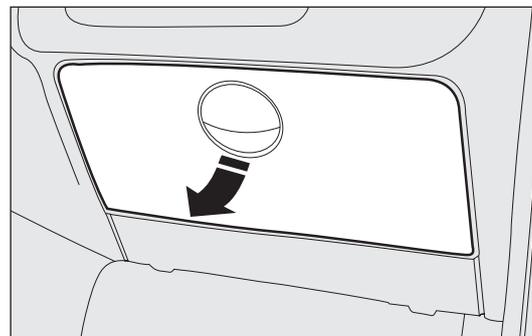


fig. 57

FOZ0035m

ODDMENT COMPARTMENT UNDER THE SEAT fig. 58 (for versions/markets where provided)

On some versions, under the passenger's seat there is an oddment compartment (if no HI-FI system subwoofer is installed).

To access the oddment compartment, lift the front area of the cushion 1 to release it, then lift the back of the cushion 2 (on backrest side).

To close the oddment compartment, lower and fit the back of the cushion under the backrest without forcing it, then press the front part until it locks into place fully.

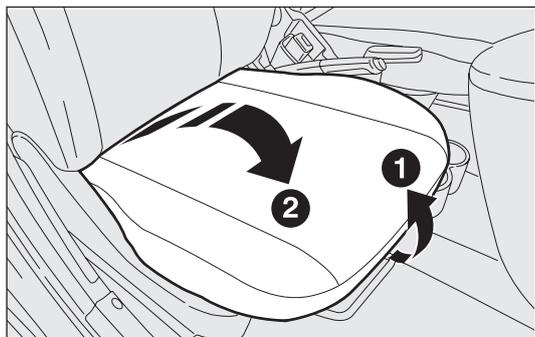


fig. 58

F0Z0273m

GLASS/BOTTLE HOLDER

The central tunnel has two recesses fig. 59 for glasses, cups or cans.

At the back there is a rear recess fig. 60 to house a glass.

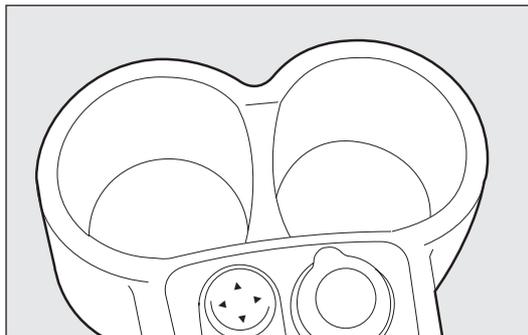


fig. 59

F0Z0038m

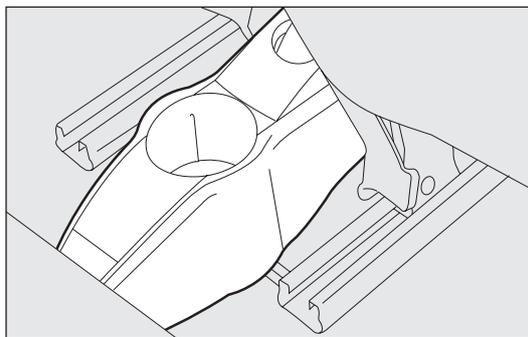


fig. 60

F0Z0065m

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CURRENT SOCKET fig. 61

(for versions/markets where provided)

The current socket is located on the central tunnel and is powered with ignition key on MAR.

To use the socket, open the protection lid A.

Correct operation is ensured only if the connected accessories are provided with approved standard plugs, present on all Lineaccessori Fiat components.

IMPORTANT With the engine off and ignition key in MAR, the extended use (for instance for over one hour) of accessories which drain much current may reduce battery efficiency and therefore cause misfiring.



Only accessories with a maximum power of 180 W (maximum absorption 15 A) can be connected to the socket.

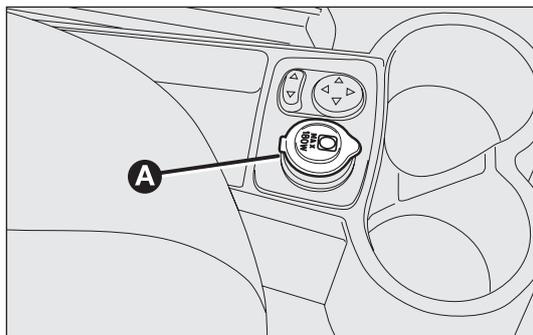


fig. 61

F0Z0130m

POWER SUN-ROOF (SKY-DOME)

Upon request, the car can be fitted a power sun-roof consisting of two glass panels fig. 62 and sun curtains fig. 63:

- A front mobile pane;
- B rear fixed pane;
- D sun curtains (two): to open, make the curtain slide as shown by the arrow.

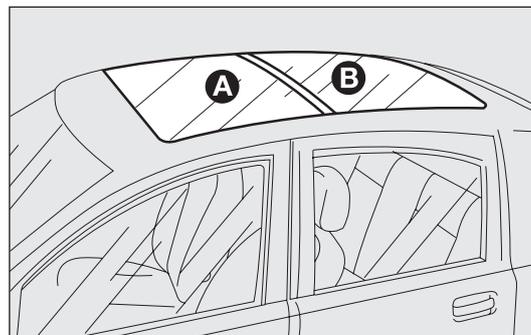


fig. 62

F0Z0198m

OPENING/CLOSING fig. 64

Sun-roof opening and closing are only possible with the key at MAR.



Do not open the sun-roof if there is snow or ice on it: you may damage it.

To open, press the button C:

- pressing the upper part 1, the roof closes;
- pressing the lower part 2, the roof opens; Sun-roof opening takes place in two steps, first push on the button will open the sun-roof partially (“spoiler position”); a second long push on the button will open the sun-roof fully. If the button is released in this step, the roof will lock in the position it is in at the moment.

Open and close the sun-roof only when the car is stationary.

IMPORTANT To prevent possible noise, after closing the sun-roof, keep the sun-roof closing button C pressed for over 2 seconds.

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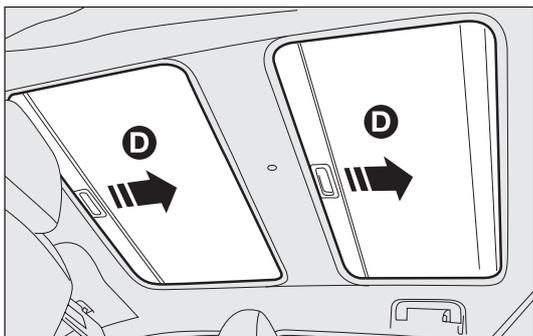


fig. 63

F0Z0199m

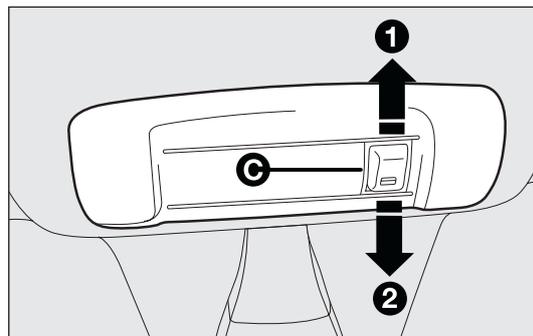


fig. 64

F0Z0019m



WARNING

Improper use of the sun-roof 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.



WARNING

Always remove the ignition key when you get out of the car to prevent the sun-roof from being operated accidentally and constituting a danger to the people still on board.

In case of fault to the electrical device fig. 65 and 66

Take the wrench E in the tool box (inside the boot) and manually open/close the sun-roof fitting the wrench in the motor seat. To reach the seat, remove the pressure-fit cover F located on the central roof cross member (dividing the sun-roof mobile section from the fixed one).

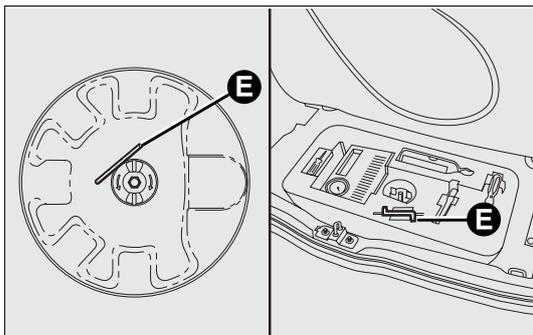


fig. 65

F0Z0201m

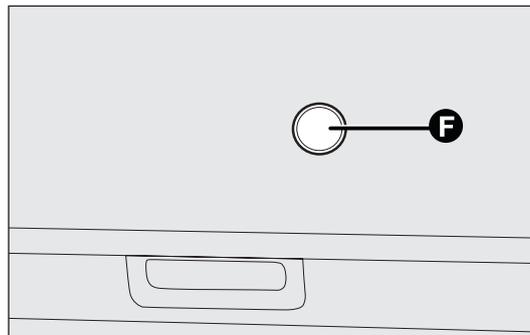


fig. 66

F0Z0200m

DOORS

LOCKING/UNLOCKING FROM THE OUTSIDE fig. 67

To unlock

Turn the key to position 1 and pull the handle upwards.

With central door locking (for versions/markets where provided), the doors are unlocked simultaneously when the key is turned.

By remote control (for versions/markets where provided) press the button  to open the doors.



WARNING

Before opening a door, make sure this can be done in safety.



WARNING

Open the doors only when the car is stationary.

To unlock

Turn the key to position 2 with the door shut properly.

With central door locking (for versions/markets where provided) all doors must be shut properly.

By remote control (for versions/markets where provided) press the button  to close the doors.

If one of the doors is not shut properly, simultaneous locking is disabled.

IMPORTANT If one of the front doors is not fully closed or in case of system failure, central door locking will not operate and, after 6 attempts in rapid sequence, the system will be excluded for about 60 seconds.

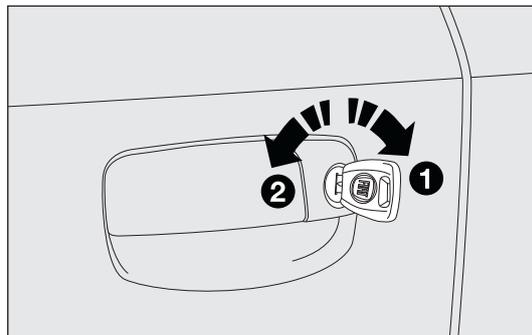


fig. 67

F0Z0686m

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LOCKING/UNLOCKING FROM THE INSIDE

fig. 68

To unlock

Pull the control lever A.

With central door locking system, operating the lever A on the driver's side will unlock all the doors. Lever A on the other doors will only open the corresponding door.

To unlock

Push the control lever A toward the door. Operating the lever A on driver's side will lock all doors. On the other doors, the lever will only lock the concerned door.

With mechanical lock, without centralised system, to lock a door you need to operate the corresponding door lever; only for rear doors locking can be engaged also with the door open.

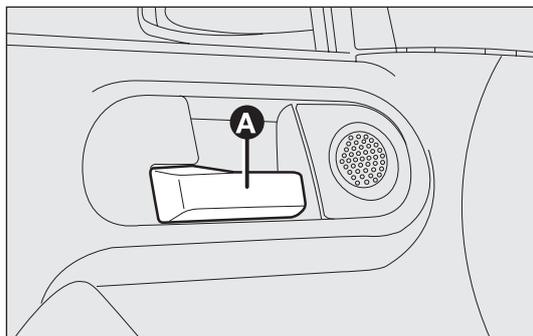


fig. 68

FOZ0062m

CHILD LOCK fig. 69

To prevent opening the rear doors from the inside.

This device can only be engaged with the rear doors open:

- position 1 – device off (door can be opened from the passenger's compartment);
- position 2 – device on (door cannot be opened from the passenger's compartment).

The device remains on even if the doors are unlocked electrically.

IMPORTANT Always use this device when transporting children.

IMPORTANT After engaging the child lock on both rear doors, check for proper engagement by trying to open a rear door with the internal handle.

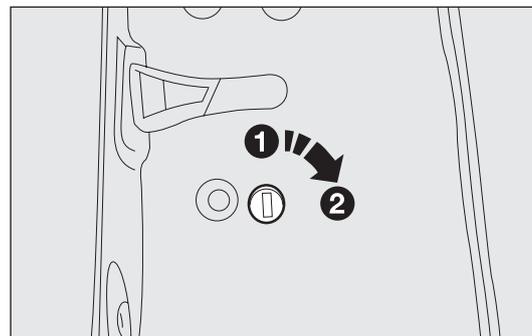


fig. 69

FOZ0063m

POWER WINDOW

FRONT WINDOW WINDERS fig. 70

(for versions/markets where provided)

They operate with ignition key on MAR and for about two minutes after positioning the key on STOP or removing it.

The two buttons are located besides the gearshift lever (one for each side); they control:

- A Opening/closing of left-hand door window.
- B Opening/closing of right-hand door window.

Keep the driver's door button pressed for a few seconds to open or close the window automatically (only with key at MAR).

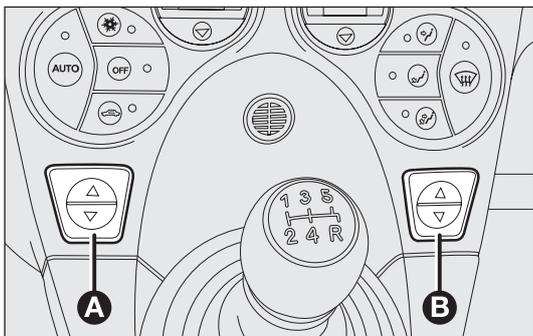


fig. 70

FOZ0025m



WARNING

Incorrect use of the power windows may be dangerous. Before and during their 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 hit by it directly.



WARNING

When leaving the car, always remove the ignition key to avoid the risk of injury of people still on board due to accidental operation of the power windows.

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WINDOW WINDERS fig. 71

Window winders are fitted on the rear doors of all versions; on some versions window winders are fitted also on front doors. To open/close use the handle A.

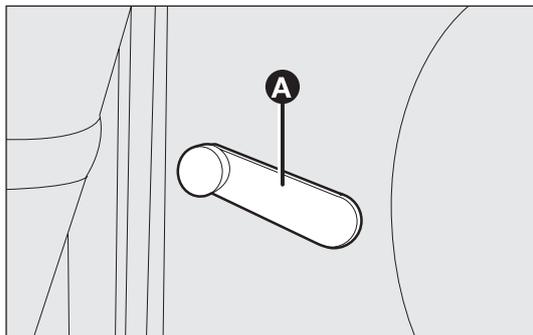


fig. 71

F0Z0064m

BOOT

OPENING THE TAILGATE

By means of the key without remote control fig. 72

To release the lock, use the metal insert of the ignition key A.

Tailgate opening is eased by the action of the side gas struts.

Some versions, opening the tailgate will switch the boot light on: the light will go off automatically when closing the tailgate.

The light will stay on for about 15 minutes after turning the key to STOP: if during this time, one door or the tailgate is opened, the light will switch on again for 15 minutes.

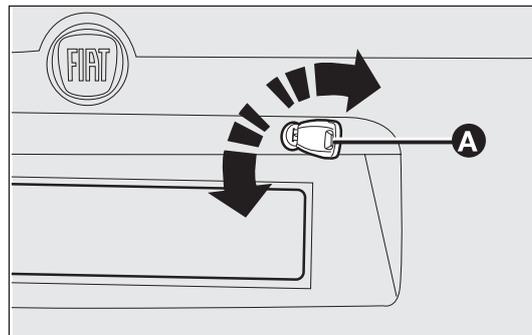


fig. 72

F0Z0687m

By means of the key with remote control
(for versions/markets, where provided)

Press the button . The direction indicators will blink twice when the tailgate is opened.

Soft touch power handle fig. 73
(for versions/markets, where provided)

On some versions, the tailgate (when released) can be opened only from outside the car operating on the powered handle C located under the tailgate edge. The tailgate can be opened at any time, if the doors are unlocked. To open it, enable the handle, opening one of the front doors or unlocking the doors by the remote control or using the key without remote control. If the boot is not shut properly the instrument panel warning light  (if any) will come on.

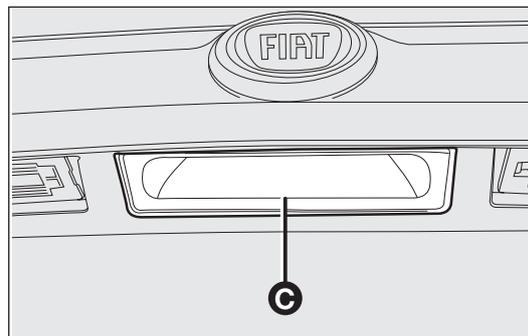


fig. 73

F0Z0688m

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RAISING THE PARCEL SHELF fig. 74

To store luggage easily you can raise the parcel shelf until hearing the locking click. Push it down to refit it.

CLOSING THE TAILGATE fig. 75

To close, lower the tailgate until the lock clicks. On the tailgate inner part a pull strap B makes the tailgate holding and closing easier.



WARNING

Never travel with the tailgate open: exhaust gases may get into the passenger's compartment.

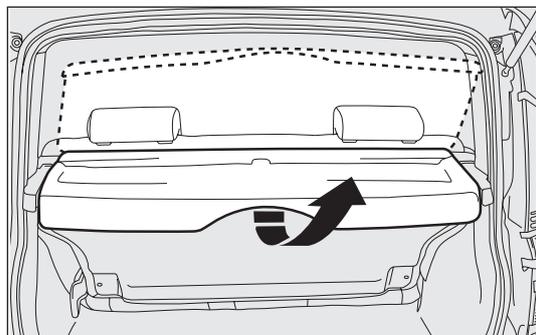


fig. 74

FOZ0237m



WARNING

Never exceed the maximum allowed load in the boot (see "Technical Specifications"). Make sure that the objects are well arranged in the boot so that they will not be projected forwards following sudden braking.



WARNING

If you travel in areas with few filling stations and you want to transport fuel in a spare tank, comply with the regulations in force and use only an approved, suitably secured tank. Even in this way the risk of fire increases in case of accident.

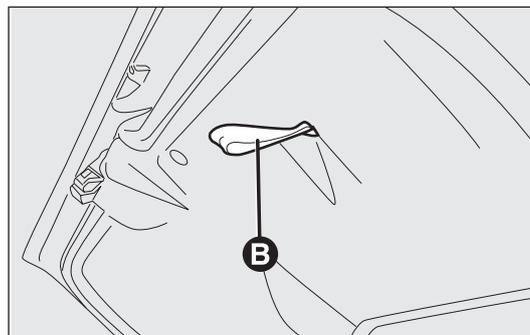


fig. 75

FOZ0689m



WARNING

Open the tailgate with care when carrying objects on the roof rack to prevent injuries.

EXTENDING THE BOOT (versions with fixed rear seat) fig. 76

To extend the boot, proceed as follows:

1) The parcel shelf removed can be placed transversally behind the backrests. To remove, release the two catches A (one each side) from their locations and pull the parcel shelf outwards.

2) Operate the levers on the backrests outer side and tilt the backrest forwards shifting aside the seat belt.

For three-point central seat belts see paragraph “Use of the central seat belt” in chapter “Safety devices”.

To bring back the seat in its standard position: lift the backrest and push it backwards until you hear the locking click and make sure the seat belts are at the front of the backrest.

Upon demand the car can be fitted with split rear seat.

The boot extension possibilities offered by the split seat are many and can be chosen according to the number of passengers and the amount of luggage to be carried:

- total extension with right and left side of the seat tilted as described above;
- partial extension with left or right side of the seat tilted and place only for one person on the rear seat.

IMPORTANT If in a rather heavy load is being carried in the boot and you are travelling at night, check and adjust the main beam headlights aiming (see “Headlights” in this section).



WARNING

A heavy load that has not been secured may cause serious injuries in case of accident.

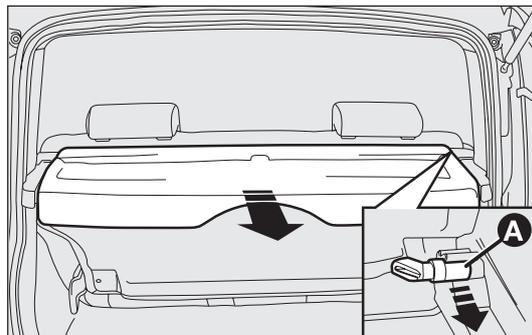


fig. 76

F0Z0131m

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EXTENDING THE BOOT (versions with sliding rear seat) fig. 77 and 78

Partial extension

Use the lever A (in the passenger's compartment) or the central tab D in the boot to move the seat forward.

Total extension

Remove the parcel shelf as previously described (see versions with fixed rear seat).

Use the lever A or the central tab D in the boot to move the seat to the required position (e.g. fully forward for total boot extension).

Lift lever B or C or pull side tabs E or F in the boot to release the seat backrest section to tilt; act on both if you want to tilt the whole backrest.

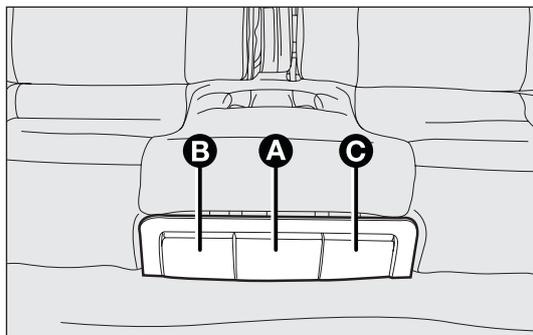


fig. 77

F0Z0257m

Restoring the seat position

To bring back the seat to its standard position: lift the seat back and push it backwards until it locks and make sure the seat belts are at the front of the seat back.



WARNING

Once you have released the adjustment lever, always check that the seat is locked on the guides 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.

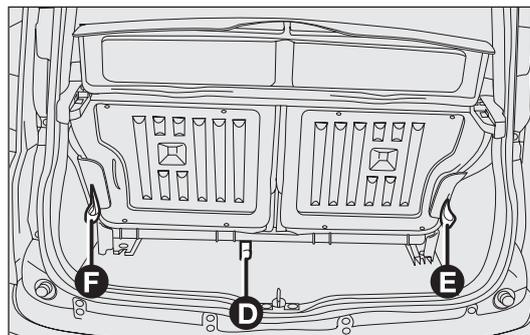


fig. 78

F0Z0258m

BONNET

To open

Pull the red lever (under the dashboard) in the arrow direction as shown in the fig. 79.

Lift the lever A-fig. 80.

Lift the bonnet and at the same time release the rod B-fig. 81 from its catch C.

Insert the end of the rod in recess D on the bonnet and secure it.



WARNING

The bonnet may drop suddenly if the supporting rod is not positioned properly. This should only be done when the car is stationary.

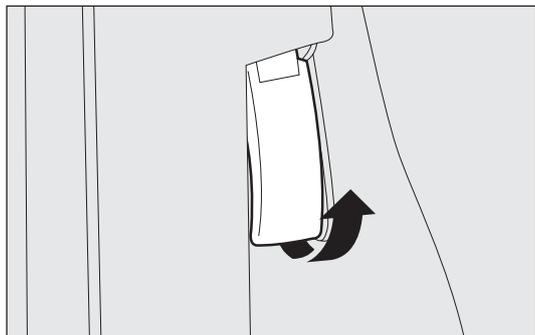


fig. 79

F0Z0202m



WARNING

Before opening the bonnet, check that windscreen wiper arm is not lifted from the windscreen.



WARNING

With hot engine, proceed with the utmost care inside the engine compartment to avoid burns. Do not place your hands close to the fan: it might start working also with the ignition key removed. Wait for engine cooling.

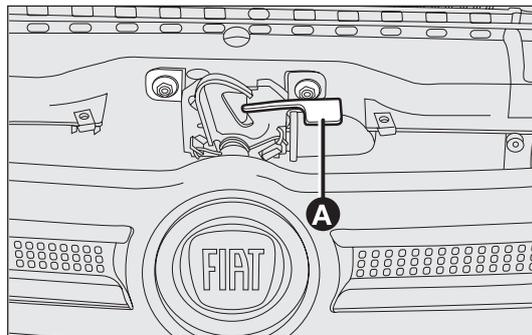


fig. 80

F0Z0690m

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**WARNING**

Pay attention to scarves, ties and other loose fitting garments. If they accidentally touch moving parts, they may easily get caught up with serious risks for those who wear them.

**WARNING**

For safety reasons, the bonnet must always be properly closed while the car is travelling. Make sure that the bonnet is properly closed and that the lock is engaged. Should you notice that the bonnet is not properly secured while travelling, stop the car immediately and lose the bonnet safely.

To close

Hold the bonnet up with one hand and with the other remove rod B-fig. 81 from its recess D; then, fit it back into its catch C.

Lower the bonnet to approximately 20 centimetres above the engine compartment and let it come down. Make sure the bonnet is properly locked and not just secured in safety position. In this case, do not press the bonnet down, rather lift it again and repeat the procedure.

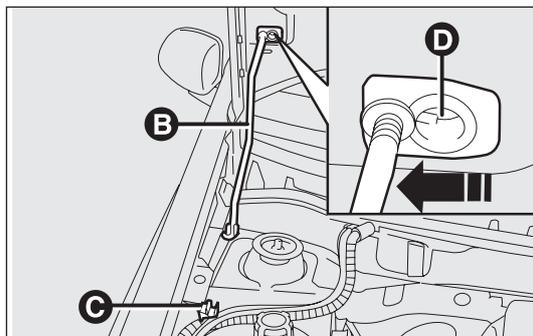


fig. 81

FOZ0075m

ROOF RACK/SKI RACK

SETTING THE FASTENERS fig. 82

The roof rack fasteners A are shown in the figure.

To secure the roof rack, remove the plugs B (two each side).

An especially designed roof rack/ski rack is available from Lineaccessori Fiat.

On some versions, roof rack bars can be provided as an optional.

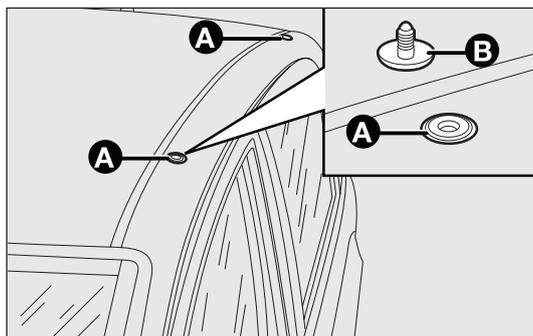


fig. 82

F0Z00203m



WARNING

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



Never exceed the max. allowed load capacity (see chapter "Technical specifications").

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HEADLIGHTS

HEADLIGHT BEAM AIMING

The correct aiming of the headlights is important for the comfort and safety of not only the driver but all other road users. This is also covered by a specific rule of the highway code. The headlights must be correctly aimed to get the best visibility conditions for all drivers while travelling with headlights on. Contact a Fiat Dealership to have the headlights properly adjusted. Check headlight beam aiming every time the load or its distribution change.

SLANT COMPENSATION fig. 83

The car is fitted with electric adjustment of the beams, operating with ignition key at MAR and dipped headlights on.

When the car is loaded, it slopes backwards. This means the headlight beam rises.

In this case, repeat beams aiming by buttons + and -.

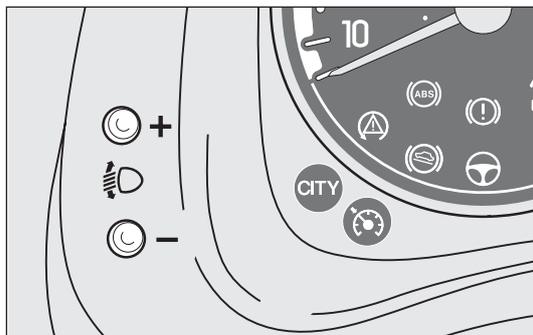


fig. 83

F0Z0141m

The display provides a visual indication of the positions during adjustment.

Correct positions depending on the load

Position 0 – one or two passengers on front seats.

Position 1 – four passengers.

Position 2 – four passengers + load in the boot.

Position 3 – driver + maximum permitted load in the boot.

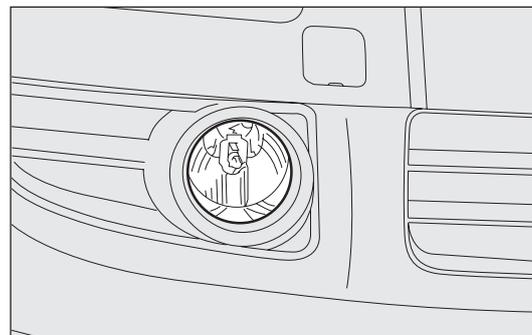


fig. 84

F0Z0076m

FRONT FOG LIGHT AIMING fig. 84 (for versions/markets where provided)

Contact a Fiat Dealership to have the fog lights properly adjusted.

ADJUSTING THE HEADLIGHTS WHEN ABROAD fig. 85

Dipped headlights are adjusted to drive in the country where the vehicle was originally purchased. When travelling in countries with opposite driving direction, to avoid blinding the drivers on the other side of the road, you need to cover the headlight areas depending on the Highway code of the country you are travelling in.

This is done using non-transparent sticker tape on the headlights as shown in the figure. The figure show how to change from left-hand drive to right-hand drive.

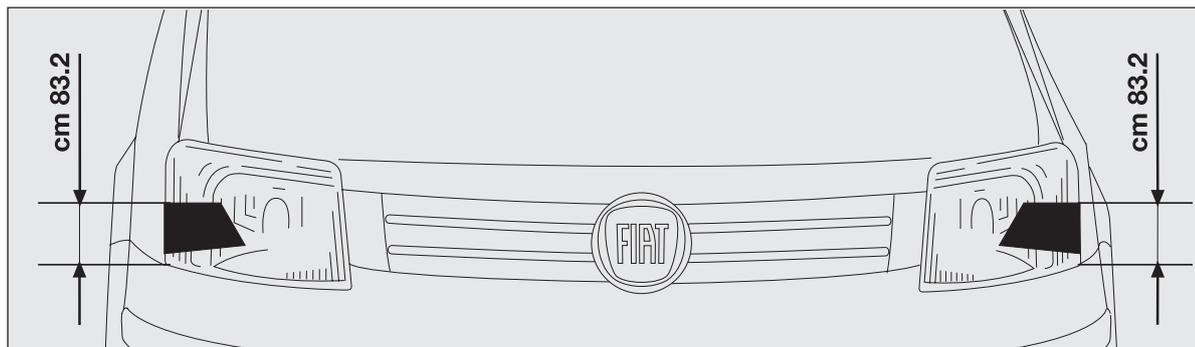


fig. 85

FOZ0691m

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ABS SYSTEM

(for versions/markets, where provided)

This system, which is an integral part of the braking system, prevents one or more wheels from locking and slipping in all road surface conditions, irrespective of the intensity of the braking action, ensuring that the vehicle can be controlled even during emergency braking.

The EBD system (Electronic Braking Force Distribution) completes the system allowing the brake force to be distributed between the front and rear wheels.

IMPORTANT To get the maximum efficiency of the braking system, a bedding-in period of about 500 km is needed: during this period it is better to avoid sharp, repeated and prolonged braking.

SYSTEM INTERVENTION

The driver can feel 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 suit the type of road surface.



WARNING

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



WARNING

If the ABS system cuts in, it means that the grip between the tyre and the road surface is close to its limit: you must slow down to match the speed to the road grip available.



WARNING

The ABS make the best use of the available grip but cannot increase it. You should always drive carefully on slippery surfaces and avoid any unnecessary risks.

MECHANICAL BRAKE ASSIST (emergency braking assistance)

(for versions/markets, where provided)

This system (which cannot be deactivated) recognises emergency braking conditions according to the speed of operation of the brake pedal and provides an additional hydraulic braking pressure to support that provided by the driver. This allows faster and more powerful operation of the braking system.

IMPORTANT When the Mechanical Brake Assist is activated noises can be heard from the system. This is normal. Anyway, while braking keep the brake pedal depressed.

FAILURE WARNING

ABS failure fig. 86

It is indicated by the (ABS) warning light on the instrument panel - together with the dedicated message in the reconfigurable multifunction display (for versions/markets, where provided) - coming on (see “Warning lights and messages” chapter).

In this case, the braking system will still be effective, although without the extra capacity offered by the ABS system. Drive carefully to the nearest Fiat Dealership to have the system checked.

EBD failure fig. 87

It is indicated by the (ABS) and (!) warning lights on the instrument panel - together with the dedicated message in the multifunction display (for versions/markets, where provided) - coming on (see “Warning lights and messages” chapter).

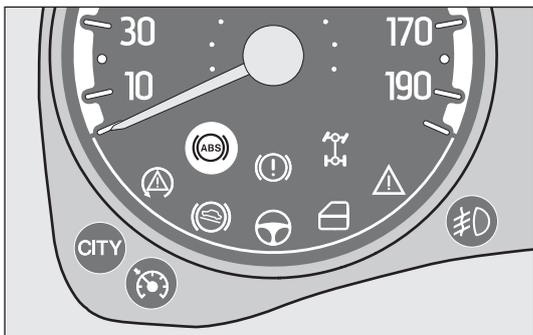


fig. 86

F0Z0158m



WARNING

If only the (!) warning light on the instrument panel lights up – together with a message in the reconfigurable multifunction display (for versions/markets, where provided) – stop the car immediately and contact the nearest Fiat Dealership. Leakage of hydraulic fluid from the braking system will compromise the operation of the braking system, whether it is of the conventional type or with ABS.

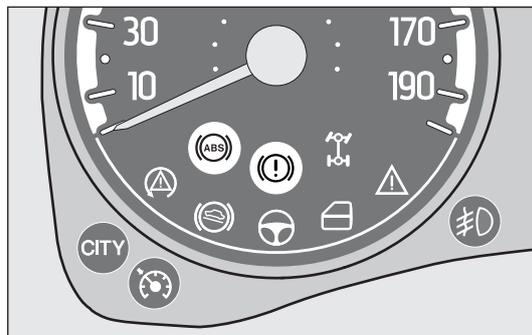


fig. 87

F0Z0159m

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ESP SYSTEM (Electronic Stability Program)

(for versions/markets where provided)

GENERAL INFORMATION

This is an electronic system controlling car stability in the event of tyre grip loss, helping to maintain directional control.

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

Besides the ESP, the car is provided with ASR (traction control with interventions on brakes and engine), HILL HOLDER (device for start on gradient without using the brakes), MSR (control of engine braking torque when shifting gear down) and HBA (automatic increase of braking pressure in case of emergency braking).

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.

System engagement

The ESP system comes on automatically when the vehicle is started and cannot be turned off.

Failure indications

In the event of a failure, the ESP system will be automatically switched off and warning light  will appear on the instrument panel along with a message on the reconfigurable multifunction display (where provided). The LED on the button ASR OFF will light up (see “Warning lights and messages”) In this case, contact a Fiat Dealership.



WARNING

Do not take unnecessary risks, even if your vehicle is fitted with an ESP system. Your driving style must always be suited to the road conditions, visibility and traffic. The driver is ultimately responsible for road safety.

HILL HOLDER SYSTEM

(for versions/markets, where provided)

This system is integral part of the ESP system and it is provided to facilitate starting on slopes. It automatically activates, only with engine running, under the following conditions:

- uphill: car at a standstill on a road with a gradient higher than 2%, engine running, clutch and brake pedal pressed, gearbox in neutral or engaged gear other than reverse.

- ❑ downhill: car at a standstill on a road with a gradient higher than 2%, engine running, clutch and brake pedal pressed and reverse gear engaged.

At pickup, the ESP system control unit will keep braking pressure on the wheels until reaching the required torque for starting or, in any case, for a maximum of 2 seconds in order to move easily the right foot from the brake pedal to the accelerator pedal.

When two seconds have elapsed, without starting, the system is automatically deactivated, gradually releasing the braking pressure. During this release stage, the typical mechanical brake release noise can be heard, indicating that the car is about to move.

Failure indications

A possible system failure is indicated by the  warning light on the instrument panel – together with the dedicated message in the reconfigurable multifunction display (for versions/markets, where provided) – coming on (see “Warning lights and messages” chapter).

IMPORTANT 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 first gear.



WARNING

If the space-saver wheel is used, the ESP system keeps operating. Always remind that the space-saver wheel, being smaller than the original wheel provides less grip.



WARNING

For the correct operation of the ESP and ASR systems, the tyres must absolutely be the same make and type on all wheels, in perfect conditions and, above all, of the type, make and size specified.

ASR SYSTEM (Antislip Regulation)

This is integral part of the ESP system and controls the car, intervening automatically every time one or both driving wheels slip.

Depending on the slipping conditions, two different control systems are activated:

- ❑ if the slipping involves both drive wheels, the ASR function intervenes by 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.

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

- slipping of the inner wheel when cornering 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 icy surfaces;
- in the event of loss of grip on a wet surface (aquaplaning).

MSR system (engine drive regulation)

This is integral part of the ASR system that, in the event of a sudden gear downshifting, cuts in and provides torque to the engine thus preventing excessive drive wheel drive which, especially in poor grip conditions, can lead to loss of stability.

Switching the ASR system on/off fig. 88

The ASR system switches on automatically each time the engine is started. Whilst driving, the ASR can be switched off and subsequently switched on again by pressing the C ASR OFF button. When the system is switched on, this is signalled by a message on the reconfigurable multifunction display (where provided).

When the system is switched off, this is signalled by the LED on the ASR OFF button lighting up and by a message on the reconfigurable multifunction display (for versions/markets where provided).

When the ASR is switched off whilst driving, the next time the car is started up the ASR is automatically switched on by the system. 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 drive wheels when moving off makes it possible to obtain better traction.



WARNING

Do not take unnecessary risks, even if your vehicle is fitted with this system. Your driving style must always be suited to the road conditions, visibility and traffic. The driver is ultimately responsible for road safety.

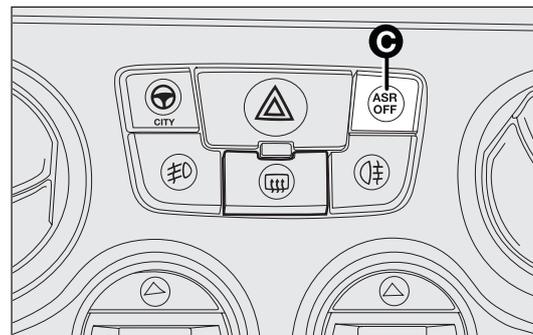


fig. 88

F0Z0267m

EObD SYSTEM (petrol versions)

The EObD system (European On Board Diagnosis) achieves a continuous diagnosis of the components of the car correlated with emissions. It also alerts the driver, by turning on the warning light  fig. 89 on the instrument panel – together with relevant message in the reconfigurable multifunction display (for versions/markets, where provided) – when these components are no longer in peak condition (see “Warning lights and messages” chapter).

The goal of the system is to:

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

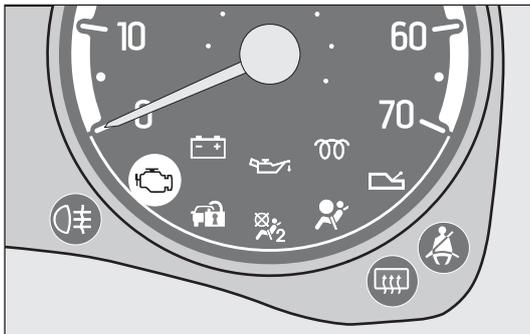


fig. 89

F0Z0161m

The system also has a diagnosis connector that can be interfaced to suitable instruments, 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 traffic control authorities.

IMPORTANT After eliminating the failure, to check the system completely, Fiat Dealerships run a bench test and, if necessary, road tests which may also call for a long journey.



If, when the ignition key is turned to the MAR position, the  warning light either does not come on or, when driving, it comes on constantly or flashing – along with a message in the reconfigurable multifunction display (for versions/markets where provided) – contact a Fiat Dealership as soon as possible. The operation of the  warning light may be checked by the traffic control authorities using specific devices. Always comply with the traffic regulations in force in the country where you are driving.

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“DUALDRIVE” ELECTRIC POWER STEERING SYSTEM

(for versions/markets, where provided)

Some versions feature an electric power steering system which only works with the key at MAR and the engine running; this system, system called “Dualdrive” can be customised by the driver according to the driving conditions.

IMPORTANT When turning quickly the ignition key, power steering full functionality can be achieved after 1-2 seconds.

ENGAGEMENT/RELEASE OF CITY function fig. 90 and 91

Press button A to engage/release the function.

When the function is engaged, the warning light CITY on the instrument panel comes on.

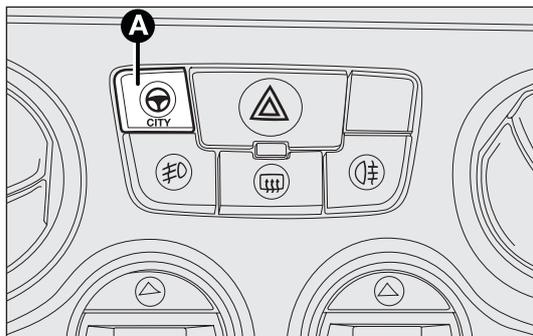


fig. 90

FOZ0145m

When the CITY function is on, the steering wheel effort is lighter and thus parking operations are easier: therefore this function is particularly useful for driving in city centres.

FAILURE INDICATIONS fig. 92

Possible power steering system failures are indicated by the  warning light on the instrument panel – together with the dedicated message in the reconfigurable multi-function display (for versions/markets, where provided) – coming on (see “Warning lights and messages” chapter).

In the event of electric power steering system failure, the car can be driven with mechanical steering.

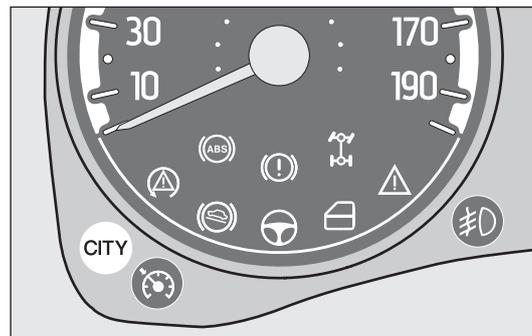


fig. 91

FOZ0162m

PARKING SENSORS

(for versions/markets where provided)

They are located in the car rear bumper, fig. 93, and they inform the driver, through an intermittent acoustic signal, about the presence of obstacles behind the car.

ACTIVATION

The sensors are automatically activated when the reverse gear is engaged.

As the obstacle behind the vehicle gets closer to the car, the buzzer becomes more frequent.

BUZZER WARNINGS

When the reverse gear is engaged an intermittent acoustic signal is automatically activated (short beep indicating that the system is working).

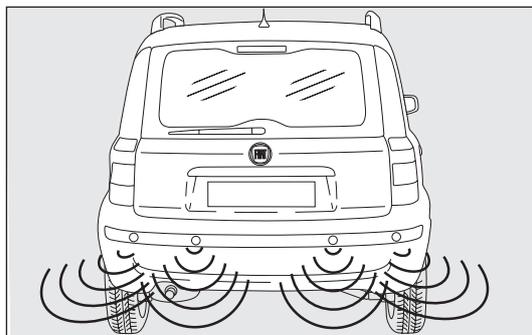


fig. 93

FOZ0692m

The beep frequency:

- becomes louder as the distance between car and obstacle decreases;
- becomes continuous when the distance between the car and the obstacle is less than 30 cm and stops immediately if the distance increases;
- is constant if the distance is unchanged.

Detection distances

Central operating radius 120 cm

Side operating radius 60 cm

If several obstacles are detected by the sensors, only the nearest one is considered.

FAILURE WARNING

In the event of parking sensor failures, the driver is warned when engaging reverse by a three-second beep.

OPERATION WITH TRAILER

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

The sensors are automatically reactivated when the trailer cable plug is removed.



For proper operation, sensors must always be clean from mud, dirt, snow or ice. Be careful not to scratch or damage the sensors while cleaning them. Avoid using dry, rough or hard cloths. The sensors should be washed using clean water with the addition of car shampoo if necessary. When using special washing equipment such as high pressure jets or steam cleaning, clean the sensors very quickly keeping the jet more than 10 cm away.

GENERAL WARNINGS

- When parking, take the utmost care to obstacles that may be set above or under the sensors.
- Objects set close to the car rear, under certain circumstances are not detected and could therefore cause damage to the car or be damaged.
- Indications sent by the sensors can be altered by dirt, snow or ice deposited on the sensors or by ultrasound systems (e.g.: truck pneumatic brakes or pneumatic hammers) set nearby the car.



WARNING

Parking manoeuvres however are always under the driver's responsibility. While manoeuvring, the driver shall always make sure that no-one is standing in the area, especially children or animals. The parking sensor is designed to assist drivers, who shall never reduce attention during potentially dangerous manoeuvres even if performed at low speed.

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SOUND SYSTEM

When the sound system has not been requested, the car is provided with two oddment compartments on the instrument panel.

STANDARD EQUIPMENT fig. 94

The system consists of:

- sound system power wires;
- sound system compartment;
- housings for front and rear speakers in the doors.

Remove door panels to install the speakers. Have this operation carried out at a Fiat Dealership.

The sound system must be fitted in the dedicated seat inside the oddment compartment, which can be removed by pressing the two retaining tabs A. Here, you can find the power supply wires.

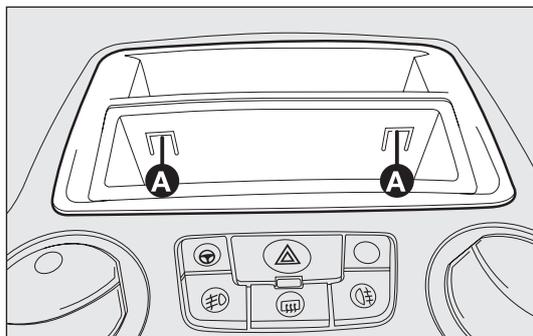


fig. 94

FOZ0071m



If you wish to have a sound system installed after purchasing the car, first contact a Fiat Dealership whose qualified personnel will give you advice about a sound system that does not damage the battery charge. Excessive absorption will drain and damage the battery and may invalidate the battery warranty.

SOUND SYSTEM PRESETTING

(for versions/markets where provided)

In addition to the standard equipment the car also features:

- two 165 mm full range 40 W speakers in the front doors;
- two 130 mm full range 350 W speakers in the rear doors;
- aerial power cable;
- front and rear speaker power wires;
- sound system power wires;
- aerial on the car roof.

SOUND SYSTEM

(for versions/markets, where provided)

The complete system consists of:

- two 165 mm full range 40 W speakers in the front doors;
- two 130 mm full range 350 W speakers in the rear doors;
- aerial on the car roof;
- sound system with CD player or sound system with CD MP3 player (for its operation and characteristics see the “Sound system” supplement attached to the present Handbook).

With HiFi system (if requested):

- two tweeters A – fig. 95 and two woofers B, 40 W max. power each, on the front doors;
- two full range 40 W speakers, in the rear doors;
- a 100 W subwoofer under the right seat;
- aerial on the roof;
- sound system with CD player or sound system with CD MP3 player (for its operation and characteristics see the “Sound system” supplement attached to the present Handbook).

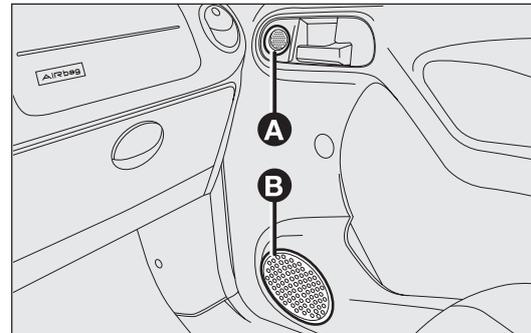


fig. 95

F0Z0073m

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ACCESSORIES PURCHASED BY THE OWNER

If after buying the car, you decide to install electrical accessories that require a steady electric supply (alarm, satellite antitheft system, etc.) or accessories that in any case burden the electric supply, contact Fiat Dealership, whose qualified personnel, besides suggesting the most suitable devices belonging to Lineaccessori Fiat, will also evaluate the overall electric consumption, 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.

INSTALLATION OF ELECTRICAL/ ELECTRONIC DEVICES

Electrical and electronic devices installed after buying the vehicle and available as after-sales must carry the following label:



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

IMPORTANT Installation of devices resulting in modifications of vehicle characteristics may cause driving license seizing by traffic control authorities and also the lapse of the warranty for defects due to the above-mentioned modification or either directly or indirectly related to it.

Fiat Auto S.p.A. shall not be liable for damage caused by the installation of accessories either not supplied or recommended by Fiat Auto S.p.A. and/or not installed in compliance with the provided instructions.

RADIO TRANSMITTERS AND CELLULAR PHONES

Radio transceiver equipment (vehicle mobile phones, CB radios, amateur radio and similar equipment) shall not be used inside the car unless a separate aerial is mounted on the roof.

IMPORTANT The use of these devices inside the passenger compartment (without a separate aerial) may cause the vehicle electrical systems to malfunction. This could compromise safety in addition to constituting a potential hazard for passengers.

In addition, transmission and reception of these devices may be affected by the shielding effect of the car body. With regards to the use of EC-approved mobile phones (GSM, GPRS, UMTS), adhere strictly to the instructions for use provided by the mobile phone manufacturer.

AT THE FILLING STATION

PETROL ENGINES

Use only unleaded petrol.

To avoid mistakes, the diameter of the fuel filler is too small to introduce the bit of a leaded petrol pumps.

The petrol octane rating (RON) must not be lower than 95.

IMPORTANT An inefficient catalytic converter 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 catalytic converter beyond repair.

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DIESEL ENGINES

Operation at low temperatures

If the outside temperature is very low, diesel thickens due to the formation of paraffin clots with consequent defective operation of the fuel supply system.

In order to avoid these problems, different types of diesel are distributed according to the season: summer type, winter type and arctic type (cold/mountain areas). If refuelling with diesel fuel whose specifications are not suitable for the current temperature, it is advisable to mix TUTELA DIESEL ART additive in the proportions shown on the container with the fuel. Pour the additive into the tank before the diesel fuel.

When using or parking the vehicle for a long time in the mountains or cold areas, it is advisable to refuel using locally available diesel fuel.

In this case, it is also advisable to keep the tank over 50% full.



The car must only be filled with diesel fuel for motor vehicles, in compliance with European Standard EN590. The use of other products or mixtures may damage the engine beyond repair and consequently invalidate the warranty, due to the damage caused. If you accidentally introduce other types of fuel into the tank, do not start the engine and empty the tank. If the engine has been run, even for only a very short time, you will need to have the entire fuel system emptied in addition to the tank.

REFUELLING CAPACITY

To fill the tank completely, top-up twice after the first click of the fuel delivery gun. Further top-ups could cause faults in the fuel feeding system.

FUEL FILLER CAP fig. 96 and 97

The cap B is fitted with an antiloss device C retaining it to the flap A so it cannot be lost.

To slacken the cap B, first open the flap A. The sealing may cause a slight pressure increase in the tank. A little breathing off, while slackening the cap is absolutely normal.

When refuelling, fasten the cap to the device inside the flap as shown in the figure.



WARNING

Do not place naked flames or lit cigarettes near to the fuel filler: fire risk. Keep away from the fuel filler to avoid breathing in harmful vapours.

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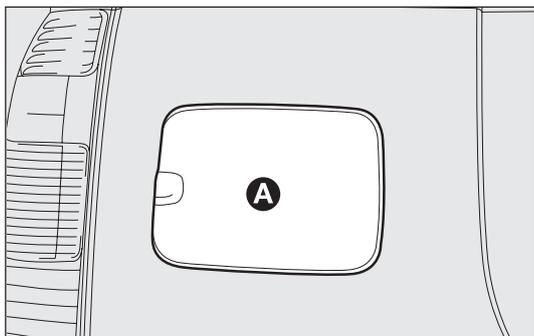


fig. 96

F0Z0041m

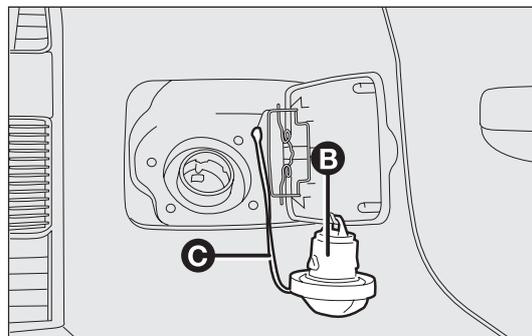


fig. 97

F0Z0042m

PROTECTING THE ENVIRONMENT

The following devices are used for reducing petrol fuel engine emissions:

- three-way catalytic converter;
- oxygen sensors;
- evaporation control system.

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

The following devices are used for reducing diesel fuel engine emissions:

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



WARNING

The catalytic converter develops high temperature during operation. Do not park the car on grass, dry leaves, pine needles or other flammable material: fire hazard.

DIESEL PARTICULATE FILTER (DPF) (for 1.3 Multijet 75HP versions)

The Diesel Particulate Filter is a mechanical filter that physically traps carbon particulates present in the exhaust gases of Diesel engines.

The diesel particulate filter has been adopted to eliminate almost all particulates in compliance with current/future legal regulations.

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

Since this filter physically traps particulate, it should be regenerated (cleaned) at regular intervals by burning carbon particles.

The regeneration procedure is controlled automatically by the engine management control unit according to the filter conditions and vehicle use conditions.

There may be a limited increase in the engine idle speed during the regeneration, a limited increase in fumes and high temperatures at the exhaust. These are not faults; they do not impair vehicle performance or damage the environment.

If the dedicated message is displayed, refer to paragraph “Warning lights and messages”.

SAFETY

SAFETY BELTS

USING THE SEAT BELTS fig. 98

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

To fasten the seat belts, hold the tongue A and insert it into the buckle B, until hearing the locking click. On removal, if it jams, let it rewind for a short stretch, then pull it out again without jerking.

To unfasten seat belts, press button C. Guide the belt 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.

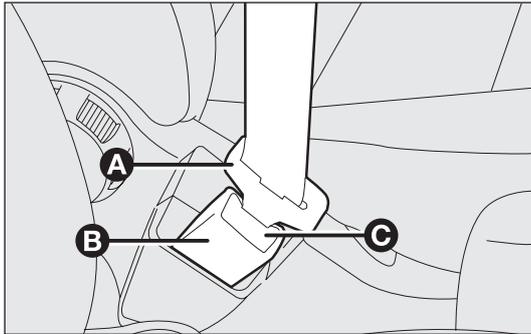


fig. 98

FOZ0053m

S.B.R. SYSTEM

The car is equipped with an S.B.R. system (Seat Belt Reminder) made up of a buzzer which, together with the seat belt warning light  on the instrument panel switching on, warns the driver that the seat belt is not fastened.



WARNING

Never press button C when travelling.

The reel may lock when the car is parked on a steep slope: this is perfectly normal. Furthermore, the reel mechanism locks the belt if it is pulled and in the event of sudden braking, collisions and on high speed bends.

The rear side seats have inertia reel seat belts with three anchor points. Upon demand (optional for 5-seat approved cars) the central seat belt can be supplied with three anchor points reel belt or static two-point lap belt (for versions/markets where provided).

IMPORTANT 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.

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SEAT BELT HEIGHT ADJUSTMENT

(for versions/markets where provided)

Four different adjustments in height are provided.

To adjust, press button A-fig. 99 and lower or raise the grip B.

Always adjust the height of the seat belt to fit the person wearing it: this precaution could greatly reduce the risk of injury in case of collision.

Correct adjustment is obtained when the belt passes approximately half way between the shoulder and the neck.

See texts and figures in paragraph “General instructions for using the seat belts” in this section.

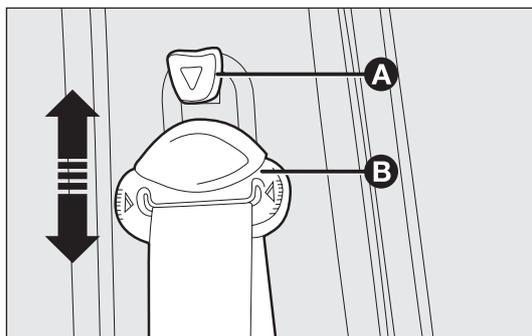


fig. 99

FOZ0054m



WARNING

Make height adjustment of the seat belts when the car is stationary.



WARNING

After adjustment, always check that the slider to which the ring is fastened is locked in one of the set positions. To do this, with the button A released, exert a further pressure to allow the anchor device to catch if release did not take place at one of the preset positions.

For some versions, front seat belts have just one fixed anchor point C-fig. 100 on the door post.

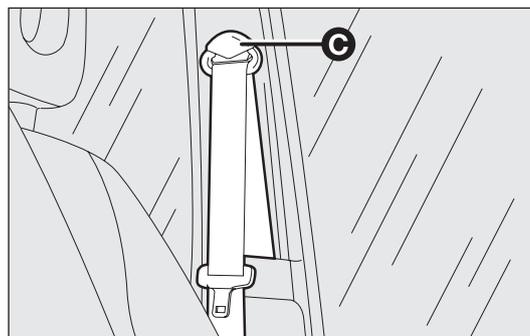


fig. 100

FOZ0195m

USING THE CENTRAL SEAT BELT

Static lap belt with two anchor points fig. 101

(for versions/markets where provided)

To fasten the seat belt, fit the tongue A into the buckle B, until hearing the locking click.

To unfasten the seat belt: press the button C.

To adjust the belt: run the tape in the buckle D, pulling the end E to tighten and section F to loosen.

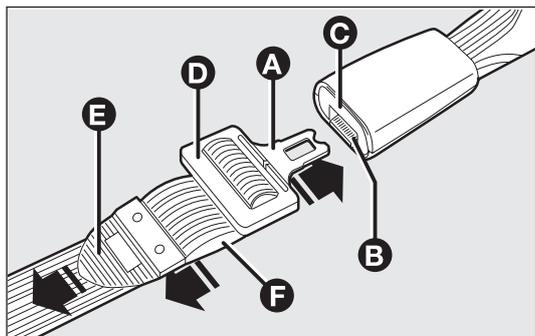


fig. 101

F0Z0224m

Seat lap reel belt with three anchor points fig. 102

(for versions/markets where provided)

The seat belt is provided with a double buckle and fastening tab.

To use the seat belts, take the tongues out of the reel compartment and pull the belt, guide the belt to prevent it from twisting then secure tongue G into buckle L with the black button M.

To use the belt, make the webbing run further and insert the fastening tab I in the seat of the buckle N.

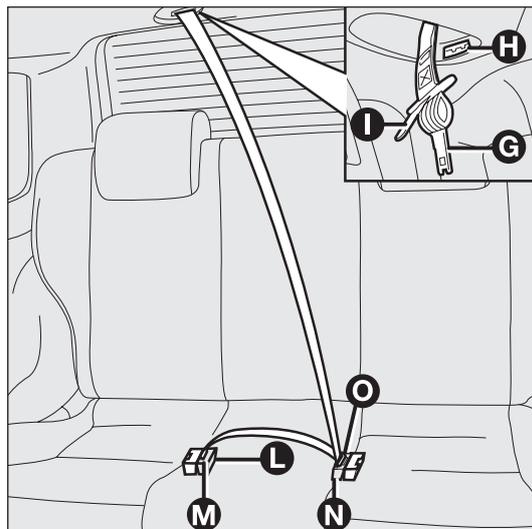


fig. 102

F0Z0241m

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To unfasten the belt: press the button O and guide the belt to prevent it from twisting.

In case of boot extension: unfasten the belt through the black button M and guide the belt to prevent it from twisting; overlap tongues I and G, on the catch H in the reel compartment.

IMPORTANT After repositioning the seats, restore proper belt conditions.



WARNING

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

PRETENSIONERS

To increase the efficiency of seat belts, the car is fitted with pretensioners which, in the case of a violent frontal impact, rewind the belt a few centimetres ensuring that it 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 slight discharge of smoke may be produced during the activation of the pretensioner which is not in harmful and does not involve any fire hazard.

The pretensioner does not require any maintenance or lubrication. Anything that modifies its original conditions invalidates its efficiency. If unusual natural events (e.g. floods, sea storms, etc.) have caused the device to be contaminated by water and mud, it must be replaced.



WARNING

The pretensioner can only be used once. After a collision that has triggered it, have it replaced at a Fiat Dealership. Pretensioner validity is written on the label set on the door contour sheet metal. Pretensioners should be replaced at Fiat 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 Fiat 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 collisions.

GENERAL INSTRUCTIONS FOR USING THE SEAT BELTS

The driver must comply with (and have all car passengers follow) any local regulations in force 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. Expectant mothers must position the lower part of the belt very low down so that it passes under the abdomen (see fig. 103).

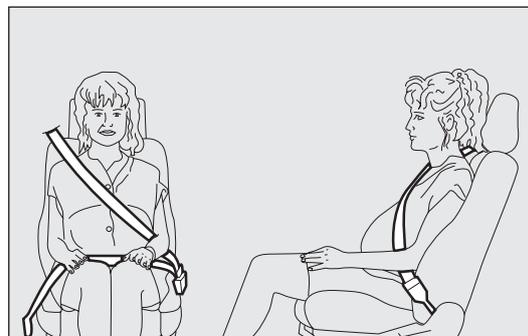


fig. 103

F0Z0046m

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**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. Always fasten the seat belts on both the front and the rear seats. Travelling without wearing seat belts will increase the risk of serious injury and even death in the event of an accident.

**WARNING**

Under no circumstances should the components of the seat belts and pretensioners be tampered with or removed. Any operations must be carried out by qualified and authorised personnel only. Always contact a Fiat Dealership.

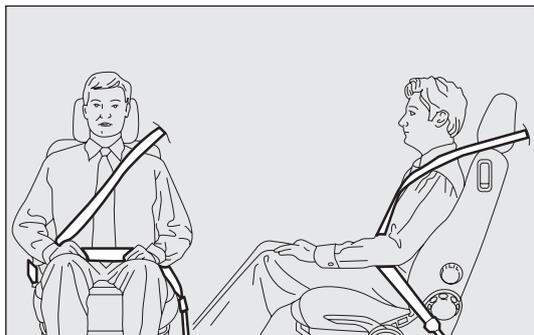


fig. 104

FOZ0044m

IMPORTANT The belt must not be twisted. The upper part must pass over the shoulder and cross the chest diagonally. The lower part must adhere to the pelvis (as shown in fig. 104) rather than the abdomen of the passenger. Never use devices (clips, pegs, etc.) to hold the seat belt away from your body.

IMPORTANT Each belt shall be used by one person only: never travel with a child sitting on the passenger's lap with a single belt to protect them both fig. 105. Do not fasten other objects to the body.



fig. 105

FOZ0045m



WARNING

If the belt has been subjected to heavy stress, for example after an accident, it should be changed completely together with the anchors, anchor fastening screws and pretensioner. In fact, even if the belt has no visible defects, it could have lost its resilience.

SEAT BELTS MAINTENANCE

For keeping the seat belts in efficient conditions, observe the following:

- always use the belts with the tap well stretched and never twisted; make sure that it is free to run without impediments;
- after a serious accident, replace the belt even if it does not appear damaged. Always replace the belt if the pretensioners were deployed;
- to clean the belts, wash by hand with water and mild soap, rinse and leave to dry in the shade. Never use strong detergents, bleach, paints or any other substance which could damage the belt 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.

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CARRYING CHILDREN SAFELY

For optimum 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 EU countries pursuant to Directive 2003/20/EC.

Compared with an adult, a child's head is larger and heavier in proportion to his/her body and the child's muscular and bone structures are not fully developed. For this reason, they require restraint systems which are different from those used by adults to protect them in the event of an accident.

The result of research in relation to the best protection for children is illustrated in European Regulation ECE-R44, which divides the restraint systems into five groups in addition to making their use compulsory:

Group 0up to 10 kg

Group 0+ up to 13 kg

Group 1 9-18 kg

Group 2 15-25 kg

Group 3 22-36 kg

As you can see, the groups overlap partly and, in fact, there are devices on sale that cover more than one weight group.

All child restraint devices must bear the certification data, together with the control brand, on a solidly fixed to the seat label which must never be removed.

When over 1.50 m in height, from the point of view of restraint systems, children are considered as adults and have to wear the standard seat belts.

Lineaccessori Fiat has child seats for each weight group. These devices are recommended, having been specifically designed for Fiat cars.

GROUPS 0 e 0+

Babies up to 13 kg must be carried facing backwards on a cradle seat, which, by supporting the head, does not induce stress on the neck in the event of sharp deceleration.

The cradle is held in place by the car seat belts fig. 106 and in turn it must restrain the child with its own belts.

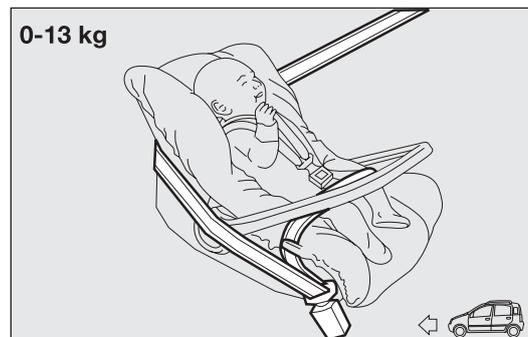


fig. 106

F0Z0047m

GROUPS I

From 9 kg to 18 kg of weight, children may be carried facing forwards, fig. 107.



WARNING

Do not place a cradle seat facing backwards on the front seat if the passenger side airbag is enabled. Deployment of the airbag in an accident could cause fatal injuries to the baby regardless of the severity of the collision. It is advisable to always carry children in dedicated child seats on the rear seat, which is the most protected position in the event of an accident.



WARNING



SERIOUS HAZARD *Should it be absolutely necessary to carry a child on the front seat in a backwards-facing cradle seat, the passenger's front and side airbags should be deactivated through the setup menu. Deactivation can be verified by checking the  warning light on the instrument panel. Also, the passenger seat should be as far back as possible to avoid contact between the child seat and the dashboard.*



WARNING

The diagram is only an indication. For assembly, refer to the instructions supplied with the child seat.



WARNING

Some child restraint systems for weight groups 0 and I have a rear attachment and seat belts for securing the child. Due to their weight, they may be dangerous if incorrectly mounted (e.g. if fastened to the car seat belts with a cushion in between). Follow the assembly instructions carefully.

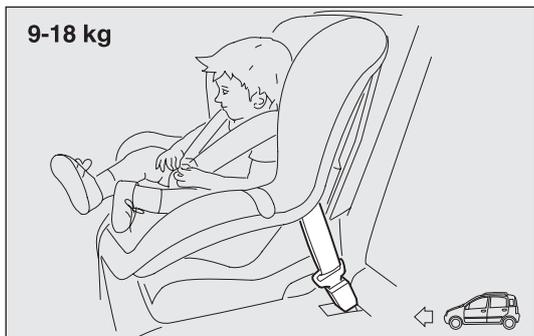


fig. 107

F0Z0824m

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GROUP 2

Starting from 15 kg to 25 kg in weight, children may be restrained directly by the car belts fig. 108. 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 fits over the child's hips and not the abdomen.

**WARNING**

The diagram is only an indication. For assembly, refer to the instructions supplied with the child seat.

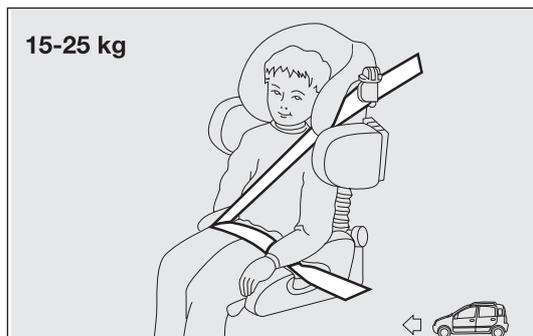


fig. 108

FOZ0049m

GROUP 3

For children between 22 kg and 36 kg, there are boosters allowing the seatbelt to fit correctly.

Fig. 109 shows proper child seat positioning on the rear seat.

Children over 1.50 m in height can wear seat belts like adults.

**WARNING**

The diagram is only an indication. For assembly, refer to the instructions supplied with the child seat.



fig. 109

FOZ0050m

PASSENGER'S SEAT COMPLIANCE WITH REGULATIONS ON CHILD SEAT USE

Fiat Panda complies with the new European Directive 2000/3/EC regulating the arrangement possibilities for child restraints on the various seats of the car according to the following table:

Group	Range of weight	Front passenger's seat	Rear passenger's seat	Central passenger's seat
Group 0, 0+	up to 13 kg	U	U	*
Group 1	9-18 kg	U	U	*
Group 2	15-25 kg	U	U	*
Group 3	22-36 kg	U	U	*

Key:

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

(* No child's seat can be installed on the central rear seat with lap belt (without reel).



WARNING

Do not place a child seat facing backwards on the front seat if the passenger side airbag is enabled. Deployment of the airbag in an accident could cause fatal injuries to the baby regardless of the severity of the collision. It is advisable to always carry children in a child seat on the rear seat, which is the most protected position in the event of a collision.

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

- 1) The recommended position for installing child seats is on the rear seat, as it is the most protected area in the event of a crash.
- 2) When disengaging the passenger airbag, always check the amber warning light on the instrument panel is permanently on to make sure that the airbag has actually been deactivated.
- 3) Carefully follow the instructions that came with the child seat, which the manufacturer must supply by law. Keep the instructions in the car along with the other documents and this handbook. Do not use second hand child seats without instructions.
- 4) Always check the seat belt is well fastened by pulling on it.
- 5) Only one child is to be strapped into each retaining system; never carry two children using one child seat.
- 6) Always check the seat belts do not rest on the child's neck.
- 7) While travelling, do not let the child sit incorrectly or release the belts.
- 8) Never carry children on your lap, even newborns. No one, however strong, can hold a child in the event of an accident.
- 9) In the event of an accident, replace the child seat with a new one.

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“UNIVERSAL ISOFIX” CHILD RESTRAINT ASSEMBLY SETUP

(for versions/markets, where provided)

The car is provisioned for a Universal Isofix child restraint, a new European standardised system for carrying children safely. An example of such a seat is shown in fig. 110. The Universal Isofix child seat covers weight group I.

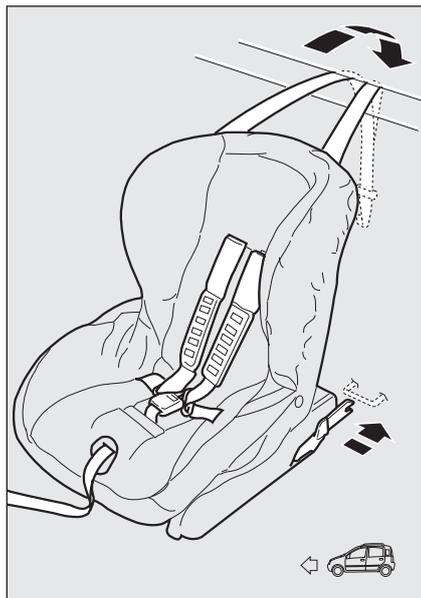


fig. 110

F0Z0825m

Due to its different attachment system, the child seat must be anchored to the special lower metal rings A - fig. 111, located between the backrest and rear cushion. The upper belt (provided with the child seat) must be then secured to ring B - fig. 112 located on the back of the boot. It is possible to have a mixed assembly of traditional child seats and Universal Isofix seats.

Remember that, in the case of Universal Isofix child seats, you can use all those seats bearing the marking ECE R44/03 Universal Isofix.

The Universal Isofix “Duo Plus” child seat and the special “G 0/1” seat are available from Lineaccessori Fiat.

For any further details on installation/use, refer to the instruction manual for the child seat.



WARNING

Fit the child seat when the car is stationary. The child seat is correctly anchored to the brackets when you hear the click. Follow the instructions for assembly, disassembly and positioning that the child seat manufacturer must supply.

PASSENGER SEAT COMPLIANCE FOR USING UNIVERSAL ISOFIX CHILD SEATS

The table below shows the different installation possibilities of Universal Isofix restraint systems on the seats fitted with Isofix fasteners, in accordance with European standard ECE 16.

Weight group	Child seat orientation	Isofix size class	Isofix position	
Group 0 up to 10 kg	Facing backwards	E	IL (*)	IL (*)
	Facing backwards	E	IL (*)	IL (*)
Group 0+ up to 13 kg	Facing backwards	D	IL (*)	IL (*)
	Facing backwards	C	X	IL (*)
	Facing backwards	D	IL (*)	IL (*)
	Facing backwards	C	X	IL (*)
Group I from 9 to 18 kg	Facing forwards	B	IUF	IUF
	Facing forwards	BI	IUF	IUF
	Facing forwards	A	IUF	IUF
	Facing forwards	A	IUF	IUF

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

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

X: ISOFIX position not suitable for ISOFIX child seats in this group of weight and/or size class.

(*) The child seat can be installed by adjusting the front seat.

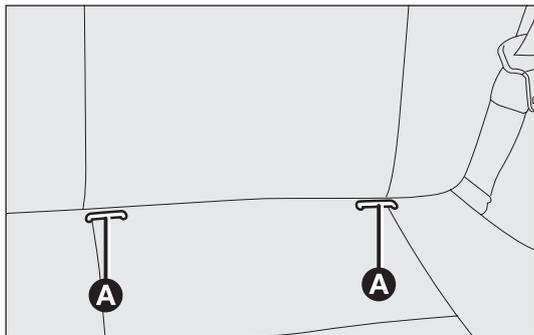


fig. 111

F0Z0055m

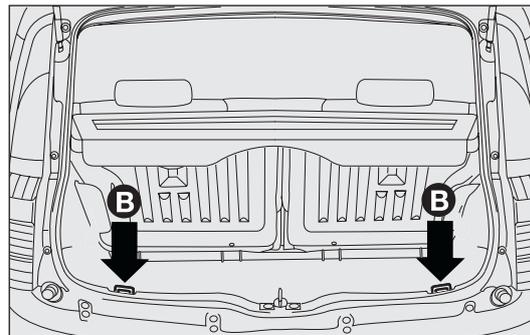


fig. 112

F0Z00826m

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AIR BAG

The car is provided with front air bag for the driver and, for versions/markets where provided, with passenger front air bag and front side air bags (side bags - window bags).

FRONT AIR BAGS

The front driver/passenger air bags 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 passengers in head-on crashes and therefore non-activation in other types of collisions (side collisions, rear shunts, roll-overs, etc.) is not a system malfunction.

An electronic control unit will make the bag inflate in the event of a front crash.

The bag will inflate instantaneously placing itself between the front passengers' body and the structures which could cause injury. It will deflate immediately afterwards.

Driver and passenger front airbags are not a replacement of but complementary to the seat belts, which should always be worn, as specified by law in Europe and most non-European countries.

In the event of an impact, those not wearing a seat belt will move forward and come into contact with the bag which is still inflating. The protection offered by the air bag cushion is reduced in such a case.

Front air bags 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.);
- car wedging under other vehicles or protective barriers (e.g. trucks or guard rails);

they could not provide any additional protection compared with seat belts, so their activation would be improper. Therefore, failure to come into action in the above circumstances does not mean that the system is not working properly.



WARNING

Do not apply stickers or other objects to the steering wheel, to the passenger's side air bag cover side or on the side roof lining. Never put objects (e.g. mobile phones) on the passenger's side dashboard since they could interfere with proper air bag inflation and also cause serious injury to the passengers.

The driver's and passenger's front air bags have been designed and calibrated to protect front seat occupants wearing seat belts.

At their maximum inflation, their volume fills most of the space between the steering wheel and the driver and between the dashboard and the passenger.

The airbags are not deployed in the event of minor front collisions (for which the withholding action of the seat belts is sufficient). Safety belts must always be worn. In the event of front crash they guarantee correct positioning of the passenger.

DRIVER'S FRONT AIR BAG fig. 113

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

PASSENGER'S FRONT AIR BAG fig. 114 (for versions/markets, where provided)

This consists of an instant inflating bag contained in a special recess in the dashboard: this bag has a larger volume than that of the driver's.

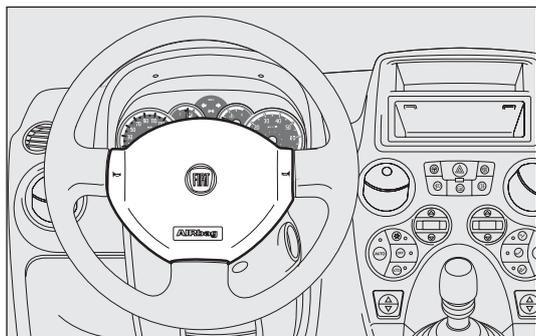


fig. 113

FOZ0693m

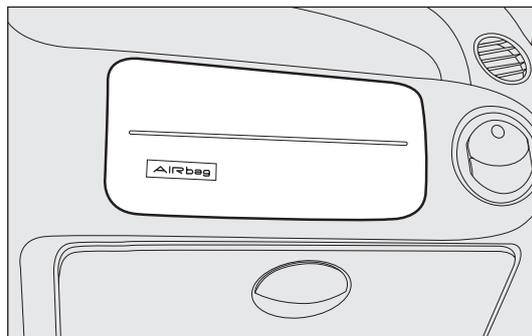


fig. 114

FOZ0057m

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**WARNING**

SERIOUS DANGER: *never place cradle child seats facing backwards on the front passenger's seat of cars fitted with passenger's air bag. Deployment of the airbag in an accident could cause fatal injuries to the baby. Always deactivate the passenger air bag when placing a child seat on the front seat. Move the passenger's seat as far back as possible to avoid contact between the child seat and the dashboard. Although this is not mandatory by law, the air bag should be immediately reactivated when children are no longer carried to ensure better protection for adults.*

MANUALLY DEACTIVATING THE PASSENGER'S FRONT AIR 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 on the car can be deactivated.

Deactivation/reactivation takes place with ignition key at STOP and operating it in the special key switch in the glove compartment.

The key can be fitted and removed in both positions.

IMPORTANT Only operate the switch with the engine off and the ignition key removed.

The key-operated switch has two positions, fig. 115:

- passenger's front air bag activated (position ON ): warning light  on instrument panel off; it is absolutely forbidden to carry a child on the front seat.
- front passenger air bag deactivated, warning light on (position OFF ): warning light  on instrument panel on; child protected by special restraint system can be carried on the front seat.

The warning  light on the instrument panel remains on constantly until the passenger's air bag is reactivated.

Deactivation of the passenger's front air bag does not inhibit operation of the side air bag.

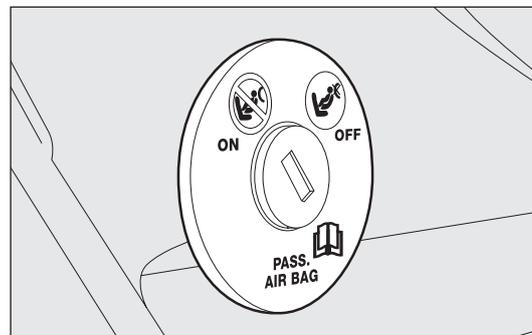


fig. 115

F0Z0170m

SIDE AIRBAGS (Side bag – Front Window bag)

(for versions/markets, where provided)

SIDE BAG fig. 116

It consists of an instant inflation bag housed in the backrest of the front seat and increases protection of the passengers' chest in the event of a side crash of medium-high severity.

WINDOW BAG fig. 117

The two "curtain" window bags are located behind the side roof upholstery and are covered by special trimming. They were designed to protect the head of front and rear passengers in case of side collisions, thanks to the wide cushion inflation surface.

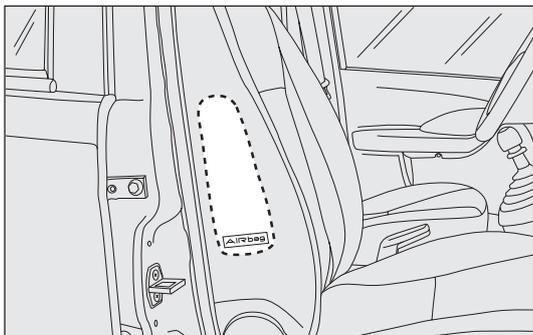


fig. 116

F0Z0058m

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 deployment.

IMPORTANT The front air bags and/or side bags may be deployed if the car is subject to heavy collisions 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 A small amount of dust will be released when the air bags are deployed. The dust is harmless and does not indicate the beginning of a fire. Furthermore, the surface of the deployed bag and the interior of the car may be covered with residual dust. This dust can irritate skin and eyes.

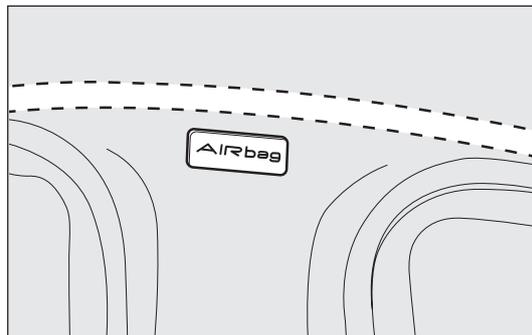


fig. 117

F0Z0059m

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Wash with mild soap and water in the event of exposure. The expiration date of the explosive charge and the coil contact wire are shown on a specific label on the door edge. Contact a Fiat Dealership to have the devices replaced when the expiry date approaches.

IMPORTANT Should an accident occur in which any of the safety devices is activated, take the car to a Fiat Dealership to have the activated devices replaced and to have the system checked.

Every control, repair and replacement operations concerning the air bags must only be carried out at a Fiat Dealership.

If case of car scrapping, have the air bag system deactivated at a Fiat 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 Pretensioners, front air bags and side bags are triggered in a differentiated manner, depending on the type of crash. Failure to deploy of one of the devices does not necessarily indicate a system malfunction.

**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, there could be a failure in safety systems; in this event air bags or pretensioners may not be deployed in case of impact or, in a minor number of cases, they deploy accidentally. Contact a Fiat Dealership immediately to have the system checked.



WARNING

Do not cover the backrest of front seats with trims or covers that are not suitable to be used with side bags.



WARNING

Never travel with objects on your lap, in front of your chest or with a pipe, pencil, etc. between your lips; injury may result in the event of the air bag being triggered.



WARNING

Always drive keeping your hands on the steering wheel rim so that the air bag can inflate freely in the case of need. Do not drive with your body bent forward. Keep your back straight against the backrest.



WARNING

Air bags may be deployed if another vehicle crashes into the car, if the key is inserted and at MAR also if the engine is not running and the car is stationary. For this reason, children must never sit on the front seat, even if the car is not moving. On the other hand, whenever the key is positioned on STOP, the safety devices (air bags or pretensioners) do not deploy after a collision. In this case non-deployment of these devices does not indicate a system malfunction.

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**WARNING**

Turning the ignition key to MAR, the warning light  (airbag on passenger's side enabled) goes on and flashes for a few seconds, thus reminding the passenger that the airbag on his/her side will deploy in the event of a collision, then it switches off.

**WARNING**

If the car has been stolen or in case of attempt to steal it, if it has been subjected to vandals or floods, have the air bag system checked by Fiat Dealership.

**WARNING**

Do not wash the seats with water or pressurized vapour (hand washing or automatic seat washing stations).

**WARNING**

The front air bag is triggered in case of stronger shocks with respect to that of pretensioners. For collisions in the range between the two thresholds, it is normal for only the pretensioners to be activated.

**WARNING**

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

**WARNING**

The air bag does not replace seat belts but increases their efficiency. Furthermore, since front air bags are not deployed in low speed collisions, side collisions, rear-end shunts or roll-overs, the passengers are only protected by the seat belts which must be fastened at all times.

CORRECT USE OF THE CAR

STARTING THE ENGINE

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 “Know your vehicle”.

The engine may be noisier during the first few seconds of operation, especially after a long period of inactivity. This characteristic feature of the hydraulic tappet system does not compromise functionality or reliability: the system devised for your car was designed to limit maintenance interventions.



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 useless current absorption from draining the battery.



WARNING

It is dangerous to let the engine run in enclosed spaces. The engine consumes oxygen and engine exhaust contains carbon dioxide, carbon monoxide and other toxic gasses.



WARNING

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.

STARTING PROCEDURE FOR PETROL VERSIONS

Proceed as follows:

- engage the handbrake;
- place the gearshifting lever in neutral;
- press the clutch pedal all the way down without touching the accelerator;
- turn the ignition key to AVV and let it go as soon as the engine starts.

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

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

If you are still unable to start the engine, perform the emergency start-up procedure (see “Emergency start-up” in “In an emergency” chapter) and contact a Fiat Dealership.

STARTING PROCEDURE FOR DIESEL VERSIONS

Proceed as follows:

- engage the handbrake;
- put the gearshifting lever into neutral;
- turn the ignition key at MAR: the warning lights  and  on the instrument panel will turn on;
- wait for the warning lights  and  to turn off. The hotter the engine is, the quicker this will happen;
- press the clutch pedal all the way down without touching the accelerator;
- turn the ignition key to AVV as soon as the warning light  turns off. Waiting too long will waste the work done by the glow plugs.

Release the key as soon as the engine starts.

IMPORTANT With cold engine, the accelerator must be entirely released when turning the ignition key to position AVV.

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, the instrument panel warning light  remains lit, turn the key to STOP and then back to MAR; if the warning lights remain on, try with the other keys provided with the car.

If you still cannot start the engine, contact a Fiat Dealership.



Warning light  will flash for 60 seconds after starting or during prolonged cranking to indicate a fault to the glow plug heating system. You can use the car as usual if the engine starts but you should contact a Fiat Dealership as soon as possible.

HOW TO WARM UP THE ENGINE AFTER IT HAS JUST STARTED

Proceed as follows:

- drive off slowly, letting the engine turn at medium speed. Do not accelerate abruptly;
- do not demand maximum performance for the first few kilometres. Wait until the engine temperature coolant gauge starts moving.

EMERGENCY START-UP

If the instrument panel warning light  stays on with fixed light, the emergency start-up can be performed by using the CODE card code (see chapter “In an emergency”).



Never bump start the engine by pushing, towing or coasting downhill. This could cause a flow of fuel into the catalytic converter and damage it beyond repair.

STOPPING THE ENGINE

Turn the ignition key 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 VEHICLE

Proceed as follows:

- stop the engine and engage the handbrake;
- engage a gear (on a slope, engage first gear if the vehicle is parked uphill or reverse if it is parked 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 at MAR to prevent draining the battery. Always remove the key when leaving the car. Never leave children unattended in the car. Always remove the ignition key when leaving the car and take it out with you.

HANDBRAKE fig. 116

The handbrake lever is located between the two front seats. Pull the handbrake lever upwards until the car cannot be moved.

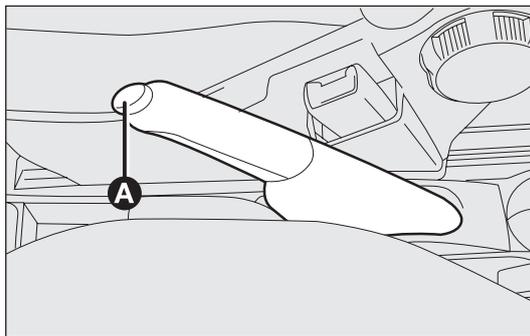


fig. 116

F0Z0037m

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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 a Fiat 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.

Proceed as follows to release the handbrake:

- slightly lift the handbrake and press the release button A;
- keep button A pressed and lower the lever. The warning light (ⓘ) on the instrument panel will turn off.

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

USING THE MANUAL GEARBOX

To engage the gears, press the clutch pedal fully and shift the gearshifting lever into one of the required positions (the diagram for gear engagement is shown on the knob, fig. 117).

IMPORTANT The car can only be put into reverse gear when it has stopped moving completely. With the engine running, wait for at least 2 seconds with the clutch pedal fully pressed before engaging reverse to prevent damage to the gears and grating.

To engage reverse R from neutral, lift the sliding ring A under the knob and shift the lever to the right and back.

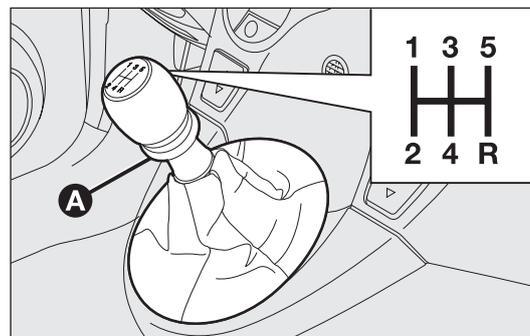


fig. 117

F0Z0060m



WARNING

To change gears properly you must push the clutch pedal fully down. For this reason, there must be no obstacles on the floor under the pedals: ensure that rubber mats (if any) are lying flat and do not interfere with the pedals.



Do not drive with your hand resting on the shifting lever, because this pressure, even if light, over time can wear out the gearbox internal components.

CONTAINING RUNNING COSTS

Some useful tips are given below for fuel saving and reducing harmful emissions of CO₂ and other pollutants (nitrogen oxides, unburnt hydrocarbons, Particulate Matter (PM) etc.).

GENERAL CONSIDERATIONS

Car maintenance

Have checks and adjustments carried out in accordance with the “Scheduled servicing plan.”

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 an overloaded boot. The weight of the car (especially when driving in town) and its trim greatly affects consumption and stability.

Accessories installed on longitudinal bars

Remove accessories like: roof racks, ski racks, luggage container, etc. 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.

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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 a higher requirement of current involves and increase of fuel consumption (up to +25% in the urban cycle).

Climate control system

The climate control system 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.

Devices for aerodynamic control

The use of non-certified devices for aerodynamic control 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: in this way the engine will warm faster.

Unnecessary actions

Avoid accelerating when starting at traffic lights or before switching off the engine. This and also double de-

clutching is absolutely pointless on modern cars and also increases consumption and pollution.

Gear selection

As soon as the conditions of the traffic and road allow, use a higher gear. Using a low gear for faster acceleration will increase consumption.

In the same way improper use of a high gear increases consumption, emissions and engine wear.

Top speed

Fuel consumption considerably increases with speed. Avoiding unnecessary braking and acceleration, 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.

CONDITIONS OF USE

Cold starting

Short journeys and frequent cold starts will prevent the engine from reaching optimal running 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 levers are tied to situations with heavy traffic, for instance when travelling in queues with frequent use of the lower gears or in cities with many traffic lights. Also winding mountain roads and rough road surfaces adversely affect consumption.

Traffic hold-ups

During prolonged hold-ups (e.g. level crossings) the engine should be switched off.

TOWING TRAILERS

IMPORTANT NOTES

For towing caravans or trailers the car must be fitted with a certified tow hook and an adequate electric system. Installation should be carried out by specialised personnel who will issue the required papers for travelling on roads.

Install any specific and/or additional rear view mirrors as specified by the Highway Code.

Remember that when towing a trailer, steep hills are harder to climb, 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 car registration document) account should be taken of the fully laden trailer, including accessories and luggage.

Do not exceed the speed limits specific for each country you are driving in, in case of vehicles towing trailers. In any case, the top speed must not exceed 100 km/h.

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**WARNING**

The ABS system with which the vehicle may be equipped does not control the braking system of the trailer. Take specific care when travelling on slippery roads.

**WARNING**

Under no circumstances should the car braking system be modified 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/EEC 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 standard 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 must be installed on the car. For the electric connection, a 7 pin 12V DC connection is to be used (CUNA/UNI and ISO/DIN Standards). Follow the instructions provided by the car manufacturer and/or the tow hook manufacturer.

An electric brake (or electric winch) should be supplied directly by the battery through a cable with a cross section of no less than 2.5 mm².

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

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

For connections use the preset control unit with battery cable not less than 2.5 mm².

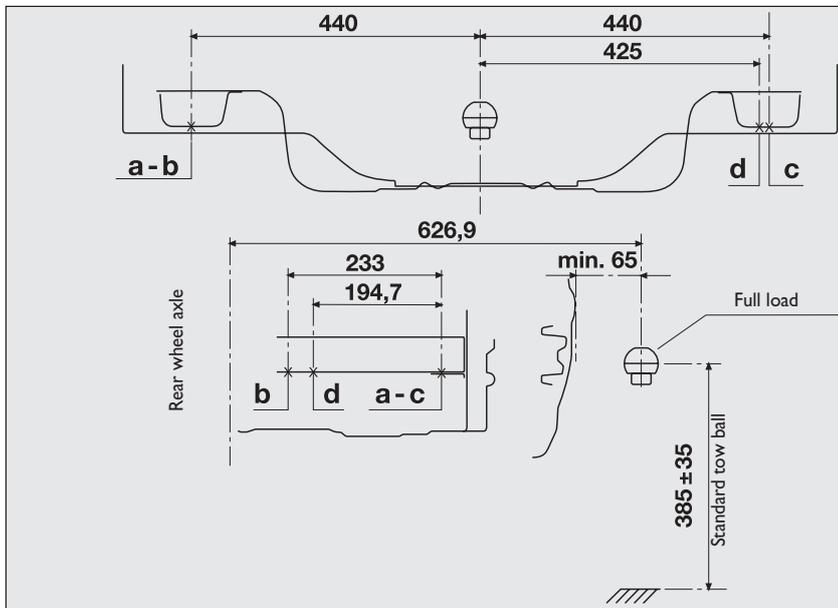


fig. 118

F0Z0225m

Assembly diagram fig. 118

The tow hook structure must be fastened in the points shown by letters "a-b-c-d" using a total of 4 M10 screws.

The hook should be fastened to the body avoiding any type of drilling and trimming of the rear bumper that remains visible when the hook is removed.

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

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

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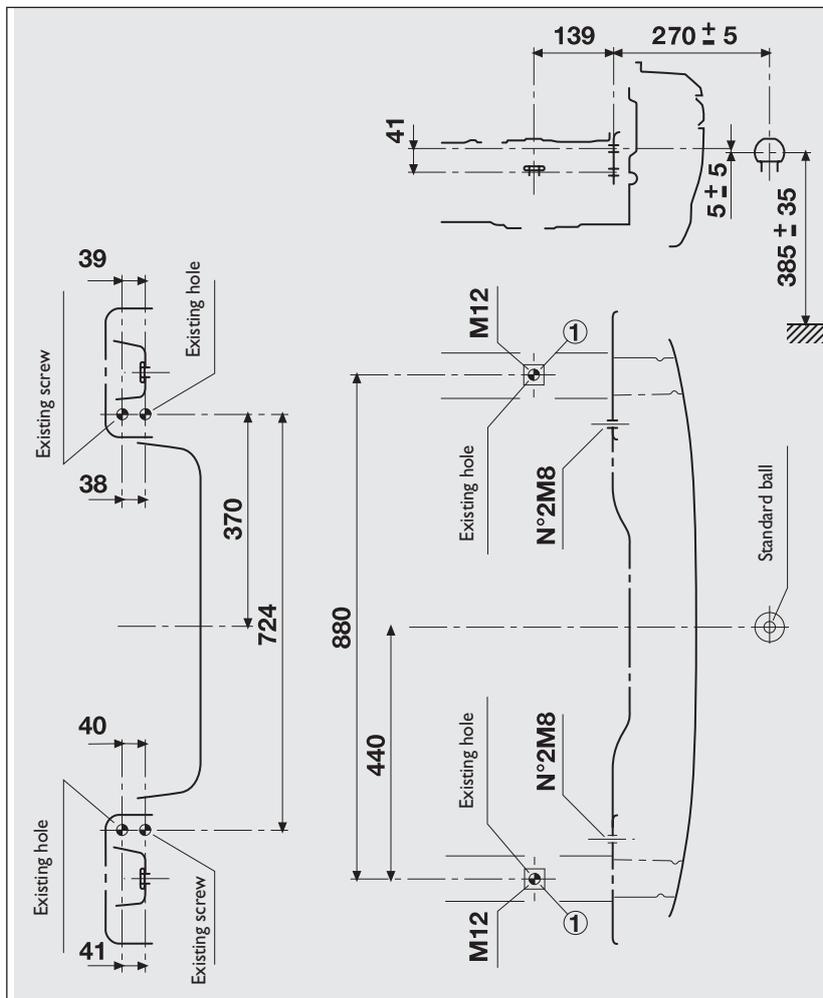


fig. 119

F0Z0226m

Assembly diagram fig. 119

The tow hook structure must be fastened in the points shown by the symbol  using a total of 4 M8 screws and 2 M12 screws.

The internal counterplates I are to be at least 6-mm thick. The hook should be fastened to the body avoiding any type of drilling and trimming of the rear bumper that remains visible when the hook is removed.

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

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

SNOW TYRES

Use snow tyres of the same size as the normal tyres provided with the car.

Fiat Dealership will be happy to provide advice concerning the most suitable type of tyres for the customer's requirements.

For the type of tyre to be used, inflation pressures and the specifications of snow tyres, follow the instructions given in paragraph "Wheels" in section "Technical specifications".

The winter features of these tyres are reduced considerably when the tread depth is below 4 mm. Replace them in this case.

Due to snow tyre features, under normal conditions of use or on long motorway journeys, the performance of these tyres is much lower than that of standard tyres. Limit performance according to the use for which they were certified.

IMPORTANT When snow tyres are used with a max. speed index below the one that can be reached by the car (increased by 5%), place a notice in the passenger's compartment, plainly in the driver's view which states the max. permissible speed of the snow tyres (as per EC Directive).

All four tyres should be the same (brand and track) to ensure greater safety when driving and braking and better driveability.

Remember that it is inappropriate to change the rotation direction of tyres.



WARNING

The max. speed of snow tyres with "Q" marking is 160 km/h. The Highway Code speed limits must however be always complied with.

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SNOW CHAINS

The use of snow chains should be in compliance with local regulations.

The snow chains may be applied only onto the front wheel tyres (drive wheels).

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

IMPORTANT Snow chains cannot be fitted to the space-saver spare wheel. So, if a front (drive) wheel is punctured and chains are needed, a rear wheel should be fitted to the front of the car and the space-saving spare wheel should be fitted to the rear. This way with two normal drive wheels, snow chains can be fitted to them to solve an emergency.



Keep your speed down when snow chains are fitted. Do not exceed 50 km/h. Avoid potholes, steps and pavements and also avoid driving long distances on roads not covered with snow in order 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 followed:

- park the car in covered, dry and if possible well-ventilated premises;
- engage one gear;
- check that the handbrake is not engaged;
- disconnect the negative battery terminal and check battery charge. Repeat this check once every three months during storage. 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 standard 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.

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 brief and cautionary and as such must not be considered as exhaustive and/or alternative to the information contained in the Owner Handbook, which shall always be read through carefully and thoroughly. In case of failure indication, always refer to the specifications contained in this chapter.

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 types can be stopped by pressing the button MODE. The instrument panel warning light will stay on until the cause of the failure is eliminated.

For messages relevant to the versions equipped with Dualogic gearbox, see the attached Supplement.



LOW BRAKE FLUID (red)

HANDBRAKE ON (red)

Turning the ignition key to MAR the warning light turns on, but it should go off after a few seconds.

Low brake fluid

The warning light turns on when the level of the brake fluid in the reservoir falls below the minimum level due to a possible leak in the circuit.

On some versions the display shows the dedicated message.



WARNING

If the warning light (ⓘ) turns on when travelling (on certain versions together with the message on the display) stop the car immediately and contact a Fiat Dealership.

Handbrake on

The warning light turns on when the handbrake is on.

On certain versions, if the car is moving the buzzer will also sound.

IMPORTANT If the warning light turns on when travelling, make sure the handbrake is not engaged.

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AIRBAG FAILURE (red)

Turning the ignition key to MAR the warning light turns on, but it should go off after a few seconds.

The warning light stays on constantly if there is a failure in the air bag system.

On some versions the display shows the dedicated message.



WARNING

If, when turning the key to MAR the warning light  does not turn on or if it stays on when travelling, there could be a failure in retaining systems; in this event air bags or pretensioners may not be deployed in case of impact or, in a minor number of cases, they may deploy accidentally. Contact a Fiat Dealership immediately to have the system checked before driving off.



WARNING

The failure of the warning light  (warning light off) is indicated by flashing for more than the standard 4 seconds of the front passenger's air bag deactivated warning light .



FRONT PASSENGER'S AIR BAG DEACTIVATED (amber)

The warning light  comes on when the front passenger's air bag is deactivated.

With front passenger's air bag on, when the ignition key is turned to MAR the warning light F comes on constantly for about 4 seconds, flashes for another 4 seconds and then should go out.



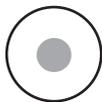
WARNING

The warning light  indicates failure of warning light . This condition is indicated by intermittent blinking of warning light  for longer than 4 seconds. In this case, the warning light  may not indicate failures in the retaining system. Before resuming driving, contact a Fiat Dealership immediately to have the system checked.



SEAT BELTS NOT FASTENED (red)

The car is equipped with an S.B.R. system (Seat Belt Reminder): the warning light  on the instrument panel switches on and warns the driver that the seat belt is not fastened.



ENGINE COOLANT HIGH TEMPERATURE (red)

Turning the ignition key to MAR the warning light turns on, but it should go off after a few seconds. The warning light turns on when the engine is overheated. If the warning light comes on when driving, proceed as follows:

- in standard normal driving conditions: stop the car, switch off the engine and check whether the water level in the reservoir is not below the MIN. mark. In this case, wait for a few minutes for the engine to cool down, then slowly and carefully open the cap, top-up with coolant and check that the level is between the MIN. and MAX. marks on the reservoir itself. Also check for any fluid leaks. If, when restarting, the warning light should come on again, contact a Fiat Dealership.
- In case of car heavy duty (e.g.: towing trailer uphill or fully laden car): decrease speed, if the warning light stays on, stop the car. Wait for 2 or 3 minutes with the engine running and slightly accelerated to further accelerate the coolant circulation. Then stop the engine. Check the correct liquid level as described above.

IMPORTANT Under severe use of the car, it is advisable to keep the engine on and slightly accelerated for a few minutes before switching it off.

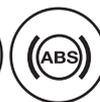
On some versions the display shows the dedicated message.



LOW BATTERY CHARGE (red)

Turning the ignition key to MAR, the warning light turns on and should go out as soon as the engine is started (with the engine running at idle speed a short delay in going out is allowed).

If the warning light stays on contact immediately a Fiat Dealership.



ABS SYSTEM FAILURE (amber)

Turning the ignition key to MAR the warning light turns on, but it should go off after a few seconds.

The warning light will light up when the system is either not working or not available. Under these circumstances the braking system will work as normal without the extra performance offered by the ABS system. Drive carefully and contact a Fiat Dealership as soon as possible.

On some versions the display shows the dedicated message.

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CONTINUOUSLY ON: LOW ENGINE OIL PRESSURE (red)

FLASHING: EXHAUSTED ENGINE OIL (only Multijet versions with DPF – red)

When the key is turned to MAR the warning light comes on, but should go out as soon as the engine is started.

Low engine oil pressure

The warning light turns on and stays on constantly (for versions/markets, where provided) along with the message on the display when the system detects that engine oil pressure is low.



WARNING

If the warning light  turns on when the vehicle is travelling (on certain versions together with the message on the display) stop the engine immediately and contact a Fiat Dealership.-

Exhausted engine oil (only Multijet versions with DPF)

The warning light will flash and a specific message will appear on the display (for versions/markets, where provided). The warning light may flash in the following ways, depending on the version:

- for 1 minute every two hours;
- for 3 minute cycles with the warning light off for intervals of 5 seconds until oil is changed.

After the initial warning, each time the engine is started up, the warning light will continue to flash in the above mentioned modes, until the oil is changed. A specific message will appear on the display (for versions/markets, where provided) in addition to the warning light.

If the warning light flashes, this does not mean that the car is defective but simply informs the driver that it is now necessary to change the oil as a result of regular vehicle use.

Note that engine oil is exhausted faster under the following circumstances:

- use of the vehicle prevalently for city driving, requiring more frequent regeneration of DPF
- use of the vehicle for short drives, in which the engine does not have time to reach its regular operating temperature
- repeated interruption of the regeneration process, signalled by the DPF warning light coming on.



WARNING

Exhausted engine oil should be replaced as soon as possible after the warning light comes on, never more than 500 km after the warning light first comes on. Failure to change the oil within the first 500 km may result in severe damage to the engine and will result in forfeiture of the warranty. Remember that when the warning light flashes, it does not mean that the level of engine oil is low, so if the light flashes you must not top up.

For versions/markets, where provided:

The  warning light turns on and flashes along with the message on the display (if applied) when the system detects that the engine oil is exhausted. The flashing of the warning light should not be considered as a fault, rather simply informs the driver that oil needs to be changed after a standard period of car utilisation. If the oil is not changed, when reaching a second deterioration threshold, also the warning light  switches on in the instrument panel and the engine operation is limited at 3000 rpm.

If the oil is still not changed, when reaching a third deterioration threshold, the engine is limited at 1500 rpm to avoid damage.



WARNING! To avoid damaging the engine it is recommended to change the engine oil when the warning light  flashes. Contact a Fiat Dealership.



“DUALDRIVE” ELECTRIC POWER STEERING FAILURE (red)

Turning the ignition key to MAR the warning light turns on, but it should go off after a few seconds.

If the warning light stays on, you will not have the steering assistance and the effort on the steering wheel will be increased, steering is still however possible. Contact a Fiat Dealership.

On some versions the display shows the dedicated message.



INCOMPLETE DOOR LOCKING (red)

On some versions the warning light turns on when one or more doors or the tailgate are not properly closed.

On some versions the display shows the dedicated message.

A buzzer will sound (for versions with reconfigurable multifunction display only) when doors are open and the car is moving.



INJECTION SYSTEM FAILURE (Multijet versions – amber)

EOBD ENGINE CONTROL SYSTEM FAILURE (petrol versions – amber)

Injection system failure

Under normal conditions, when the ignition key is turned to MAR, the warning light comes on, but should go off as soon as the engine is started.

If the warning light remains on or comes on whilst driving, this means that the injection system is not working properly; in particular, if the warning light comes on constantly, this indicates a malfunction in the supply/ignition system that could cause excessive exhaust emissions, a possible loss of performance, poor driveability and high consumption.

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On certain versions the dedicated message is displayed.

In these conditions, the vehicle can continue travelling at moderate speed without demanding excessive effort from the engine. The prolonged use of the car with the warning light on constantly could cause damage so it is advisable to go to a Fiat Dealership as soon as possible.

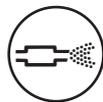
The warning light goes out if the malfunction disappears, but the system still memorizes the problem.

Petrol engines only

Warning light turning on flashing indicates the possibility of damage to the catalyst. If the light flashes, release the accelerator pedal to lower the speed of the engine until the warning light stops flashing; continue the journey at moderate speed, trying to avoid driving conditions that may cause further flashing and contact Fiat Dealership as soon as possible.



Go to a Fiat Dealership as soon as possible if warning light  does not light up when the key is turned to MAR or if, while travelling, the warning light comes on either steady or blinking (along with a message on the display). The operation of warning light  may be checked by the traffic police using specific devices. Follow the laws in force in the country where you are driving.



DPF (DIESEL PARTICULATE TRAP) CLEANING IN PROGRESS (only Multijet versions with DPF – amber)

When the key is turned to the MAR position the warning light comes on but should go out after a few seconds. The warning light turns on steadily when the DPF systems needs to eliminate the trapped pollutants by the regeneration process.

The warning light does not come on every time the DPF is being regenerated, rather only when the driving conditions are such that the driver needs to know it. To switch the warning light off, the car must be kept moving until the regeneration process is completed.

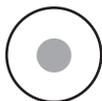
As an average, the process lasts fifteen minutes.

The best conditions to complete the regeneration process are reached driving the car at about 60 km/h with engine speed over 2000 rpm. When this warning light comes on, it does not indicate a car failure and thus it should not be taken to the workshop. For versions/markets where provided, the display shows the dedicated message and the warning light comes on.



WARNING

The driving speed should always be suitable to traffic conditions, weather conditions and the driver should always comply with the Highway Code. The engine can also be switched off if the DPF warning light is on; nevertheless, repeated interruptions of the regeneration process could cause an early decay of engine oil. For this reason, always wait until the warning light switches off before stopping the engine as above described. DPF regeneration should not be completed when the car is at a standstill



FUEL RESERVE (amber)

Turning the ignition key to MAR the warning light turns on, but it should go off after a few seconds.

The warning light turns on when about 5 litres fuel are left in the tank.

IMPORTANT The warning light will flash to indicate a system failure. If this is the case, contact a Fiat Dealership to have the system checked.



GLOW PLUG PRE-HEATING (Multijet versions - amber)

GLOW PLUG PRE-HEATING FAILURE (Multijet versions - amber)

Glow plug pre-heating

This warning light comes on when the key is turned to MAR. It will go out as soon as the glow plugs have reached a preset temperature. Start the engine as soon as the warning light goes out.

IMPORTANT At high ambient temperatures the warning light stays on for an extremely short time.

Glow plug pre-heating failure

The warning light flashes if there is a failure in the pre-heating system. Contact a Fiat Dealership as soon as possible.

On some versions the display shows the dedicated message.

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WATER IN DIESEL FUEL FILTER (Multijet versions - amber)

Turning the ignition key to MAR the warning light turns on, but it should go off after a few seconds.

The warning light  turns on when there is water in the diesel fuel filter. On some versions warning light  turns on as an alternative.

On some versions the display shows the dedicated message.



The presence of water in the feeding circuit may cause severe damage to the injection system and irregular engine operation. If the warning light  lights up (on some versions the warning light  is on together with the message on the display), contact a Fiat Dealership as soon as possible to have the system bled. If the same message is displayed immediately after refuelling, water has probably been poured into the tank: turn the engine off immediately and contact a Fiat Dealership.



CAR PROTECTION SYSTEM FAILURE - FIAT CODE (amber)

Turning the key to MAR the warning light shall flash only once and then go off.

If with the ignition key at MAR, the warning light stays on, a possible failure is indicated (see “Fiat Code system” in chapter “Know your vehicle”).

IMPORTANT The turning on at the same time of the warning lights  and  indicates a failure of the Fiat CODE system.

If with the engine running the warning light  flashes, this means that the car is not protected by the engine immobilizer device (see “Fiat Code system” in chapter “Know your vehicle”).

Contact a Fiat Dealership to have all the keys reprogrammed.



HEATED REAR WINDOW (amber)

The warning light turns on when switching the heated rear window on.



EXTERNAL LIGHT FAILURE (amber)

The warning light will come on (some versions only) when a failure to one of the following lights is detected:

- side lights;
- brake lights (third brake light excluded);
- rear fog lights;
- direction indicators;
- number plate lights.

The failure referring to these lights could be: one or more blown bulbs, a blown protection fuse or an electric connection cut-off.

The display shows the dedicated message.



REAR FOG LIGHTS (amber)

The warning light turns on when the rear fog lights are turned on.



GENERIC FAILURE INDICATION (amber)

The warning light turns on in the following circumstances.

Engine oil pressure sensor failure

The warning light turns on when failure is detected in engine oil pressure sensor. Contact a Fiat Dealership to have the failure fixed as soon as possible.

Water in diesel fuel filter

See what described for warning light .

Inertia fuel cut-off switch tripped

The warning light comes on when the inertia fuel cut-off switch is triggered. The display shows the dedicated message.



ESP SYSTEM FAILURE (amber)

Turning the ignition key to MAR the warning light turns on, but it should go off after a few seconds.

If the warning light does not go off or stays on together with the LED on the button ASR OFF when travelling, contact a Fiat Dealership.

On some versions the display shows the dedicated message.

NOTE The warning light flashing when driving indicates that the ESP system is active.

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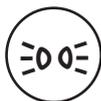


HILL HOLDER FAILURE (amber)

Turning the ignition key to MAR the warning light turns on, but it should go off after a few seconds.

The warning light will turn on when the Hill Holder system is faulty. In this case, contact a Fiat Dealership as soon as possible.

On some versions the display shows the dedicated message.



SIDE/TAIL LIGHTS AND LOW BEAMS (green) FOLLOW ME HOME (green)

Side/tail lights and low beams

The warning light comes on when side/tail lights or low beams are turned on.

Follow me home

The warning light will come when this device is active (see “Follow me home” in chapter “Know your vehicle”).

The display shows the dedicated message.



FRONT FOG LIGHTS (green)

The warning light comes on when the front fog lights are turned on.



LEFT-HAND DIRECTION INDICATOR (green - blinking)

The warning light turns on when the direction indicator control lever is moved downwards or, together with the right indicator, when the hazard warning light button is pressed.



RIGHT-HAND DIRECTION INDICATOR (green - blinking)

The warning light turns on when the direction indicator control lever is moved upwards or, together with the left indicator, when the hazard light button is pressed.



“DUALDRIVE” ELECTRIC POWER STEERING ACTIVATION (green)

The wording “CITY” will turn on when engaging the “Dualdrive” electric power steering by pressing the relevant button. Press the button again to turn the “CITY” wording off.



MAIN BEAM HEADLIGHTS (blue)

The warning light comes on when the main beams are turned on.

POSSIBLE PRESENCE OF ICE ON THE ROAD (versions with reconfigurable multifunction display)

When the outside temperature reaches or falls below 3 °C the outside temperature indication flashes to warn the driver about the possible presence of ice on the road.

The display shows the dedicated message.

SPEED LIMIT EXCEEDED

The display will show the dedicated message when the car exceeds the set speed limit (see “Multifunction Display” in chapter “Know your vehicle”).

LIMITED RANGE (versions with reconfigurable multifunction display)

The display will show the dedicated message to warn the driver that the driving range is less than 50 km.

ASR SYSTEM (versions with reconfigurable multifunction display)

The ASR system can be turned off by pressing the button ASR OFF.

The display will show the dedicated message to warn the driver that the system is off; at the same time the button LED will come on.

Pressing again the button ASR OFF, the button LED will turn off and the display will show the dedicated message to warn the driver that the system is on again.

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IN AN EMERGENCY

In an emergency we recommend that you call the freephone number found in the **Warranty Booklet**.
You can also go to the www.fiat.com website to find your nearest Fiat Dealership.

STARTING THE ENGINE

EMERGENCY START-UP

If the Fiat CODE system fails to deactivate engine immobilising system the instrument panel warning lights  and  stay on and the engine cannot be started.

To start the engine the emergency start-up can be performed.

Read the whole procedure carefully before trying to carry it out: if you make a mistake, you need to turn the ignition key back to STOP and repeat the whole operation from the beginning.

Proceed as follows:

- read the five-digit electronic code from the CODE card;
- turn the ignition key to MAR;
- press and hold down the accelerator pedal: the warning light  turns on for about 8 seconds, and then goes off;
- release the accelerator pedal and count the flashes of the warning light .
- count the number of flashes that corresponds to the first digit of the code on the CODE card, then press the accelerator pedal and hold it there until the warning light  comes on (for 4 seconds) and then goes off. Release the accelerator pedal;

- the warning light  will start flashing again: after it has flashed the number of times corresponding to the second digit on the CODE card, fully depress the accelerator pedal and hold it there;
- do the same for the remaining digits on the CODE card;
- once the last digit has been entered, hold the accelerator pedal pressed. The warning light  will light up for four seconds and then go out. Release the accelerator pedal.

JUMP STARTING fig. 120

If the battery is flat, the engine may be started using an auxiliary battery with the same capacity or a little higher than the flat one.

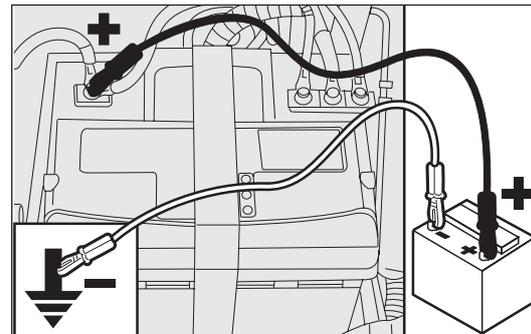


fig. 120

F0Z0694m

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Never use a fast battery-charger to start the engine as this could damage the electronic systems of your car, particularly the ignition and fuel supply control units.

**WARNING**

This procedure must be performed by qualified personnel as incorrect actions may cause high-intensity electrical discharge. Furthermore, battery fluid is poisonous and corrosive: avoid contact with your skin and eyes. Keep naked flames away from the battery. No smoking. Do not cause sparks.

Proceed as follows to start the car:

- connect the positive terminals (+ sign close to the terminal) of both batteries using a 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, follow the sequence above in reverse order to remove the leads.

If after a few attempts the engine does not start, do not insist rather contact the nearest Fiat Dealership.

IMPORTANT Do not directly connect the negative terminals of the two batteries: any sparks may ignite the detonating gas which could come out of the battery. If the auxiliary battery is installed on another car, prevent any contact between metal parts of the cars and the flat battery.

BUMP STARTING

Never bump start the engine by pushing, towing or driving downhill.

This could cause a flow of fuel into the catalytic converter and damage it beyond repair.

IMPORTANT Remember that the servo-brake and electrical power steering system (for versions/markets where provided) 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.

REPLACING A WHEEL

GENERAL INSTRUCTIONS

The car can be delivered (upon request/where provided) with standard spare wheel or space-saver wheel; see changing instructions on the following paragraphs. Wheel changing and correct use of the jack and spare wheel call for some precautions as listed below.



WARNING

The space-saver wheel (where provided) is specific to your car, do not use it on other models, nor use the spare wheel of other models on your car. The space-saver wheel must only be used in case of emergency. It shall only be used for the distance necessary to reach a service point and the car speed shall not exceed 80 km/h. The spare wheel has an orange sticker that summarises the main cautions for use and limitations. The sticker should never be removed or covered. Never apply a wheel cup on a space-saver wheel. The sticker gives the following information in four languages: Caution! For temporary use only! 80 km/h max.! Replace by standard wheel as soon as possible. Do not cover this label in use. If you change the type of wheel (alloy rims instead of steel rims) you will have to change the entire set of fastening bolts with another set of suitably sized bolts.



WARNING

Alert other drivers that the car is stationary in compliance with local regulations: hazard warning lights, warning triangle, etc. Any passengers on board should leave the car, especially if it is heavily laden. Passengers should stay away from on-coming traffic while the wheel is being changed. If parked on a slope or rough surface, chock the wheels with wedges or other suitable devices.



WARNING

The driving features of the car may change when a space-saver wheel is fitted. Avoid sudden acceleration and braking, sudden steering and fast cornering. The total life of a space-saver wheel is approximately 3000 km, after which it must be replaced by another wheel of the same type. Never attempt to fit a conventional tyre on a rim designed for use as a space-saver wheel. Have the punctured wheel repaired and replaced as soon as possible. Two or more space-saver wheels should never be used together. Do not grease the threads of bolts before installing them: they might slip out.

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**WARNING**

The jack shall only be used for changing wheels on the car with which it is provided or on cars of the same model. Never use the jack for other purposes, such as lifting other car models. In no case should it be used for repairs under the car. Incorrect positioning of the jack may cause the jacked car to fall. Do not use the jack for loads higher than those shown on the label. Snow chains cannot be fitted to the space-saver wheel. So, if a front (drive) wheel is punctured and chains are needed, a rear wheel should be fitted to the front of the car and the space-saver wheel should be fitted to the rear. This way with two standard drive wheels, snow chains can be fitted to them to solve an emergency.

**WARNING**

Fasten the wheel cup correctly to prevent the wheel from coming free in motion. Never tamper with the inflation valve. Never introduce tools of any kind between rim and tyre. Regularly check tyre and space-saver wheel pressure, complying with the data in the chapter "Technical specifications".

Please note that:

- the jack weights 1.76 kg;
- the jack requires no adjustment;
- the jack cannot be repaired. If it breaks it must be replaced with a new jack;
- no tool other than its cranking device may be fitted on the jack.

To change a wheel proceed as follows:

- stop the car in a position so that it is not a danger for on-coming traffic and where you can replace the wheel safely. The ground must be flat and compact;
- turn the engine off and pull up the handbrake.
- engage the first gear or reverse;
- lift the boot mat A-fig. 121;

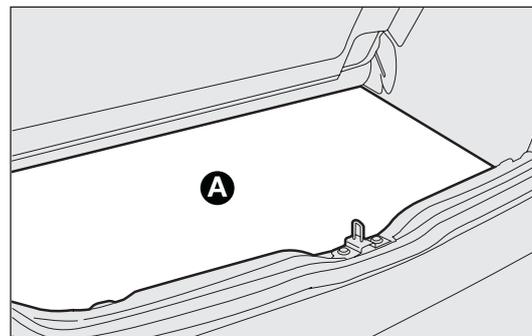


fig. 121

F0Z0171m

- loosen the clamping device B-fig. 122;
- take out the tool container C and take it near to the wheel to be changed;
- take the space-saver wheel D;

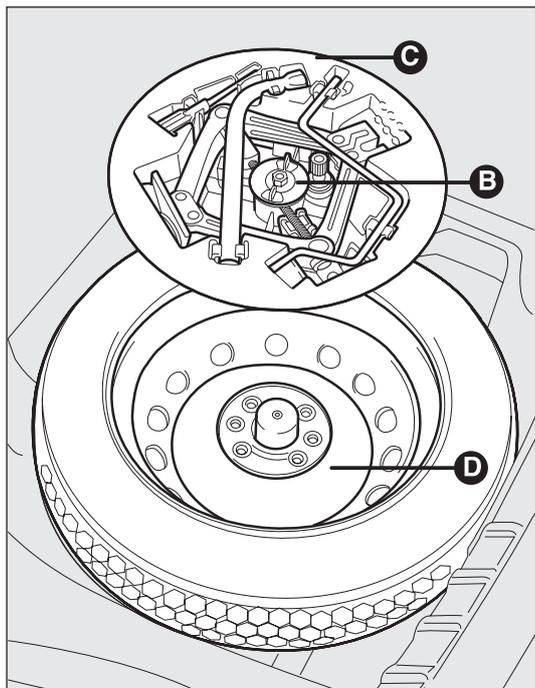


fig. 122

F0Z0078m

- loosen by about one turn the bolts on the wheel to be replaced, using the tool E-fig. 123;
- turn the jack crank to open it partially;
- position the jack near the wheel to be repaired at the reference point ▼ on the side member;

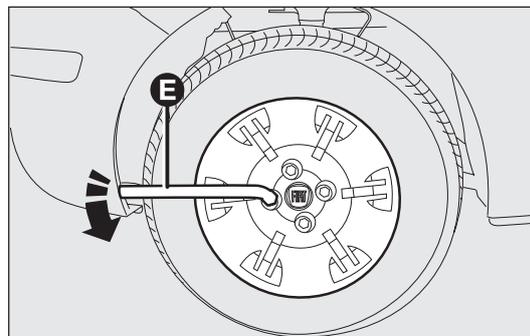


fig. 123

F0Z0695m

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- ❑ ensure that the groove F-fig. 124 of the jack is well fitted onto the tab G of the side member;
- ❑ warn bystanders that the car is about to be lifted. They must stay clear and not touch the car until it is back on the ground;
- ❑ fit the handle H into the jack device I and lift the car until the wheel to be changed is some centimetres off the ground. When turning the jack handle make sure that it can be used easily and take care not to scrape your hand against the ground. Even the moving components of the jack (screws and joints) can cause injuries: avoid to touch them. Clean off any lubricating grease;

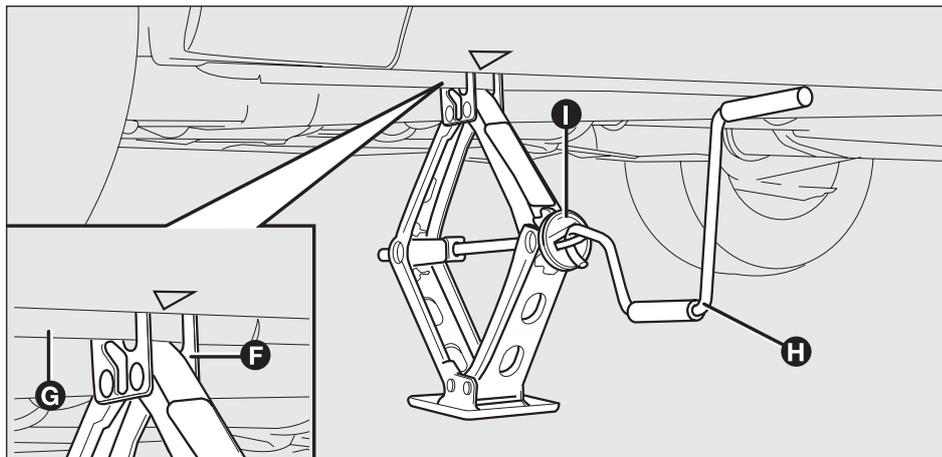


fig. 124

F0Z0173m

- ❑ remove the wheel cap (where provided) after loosening the three fastening bolts, then loosen the fourth bolt L - fig. 125 and remove the wheel (for Multijet engine versions);
- ❑ to remove the wheel cap secured by spring use the screwdriver provided, levering on the three notches present on the outer circumference;
- ❑ make sure the contact surfaces between space-saver wheel and hub are clean so that the fastening bolts will not come loose;
- ❑ fit the space-saver wheel, ensuring that the pin N-fig. 126 is aligned with one of the wheel holes O;

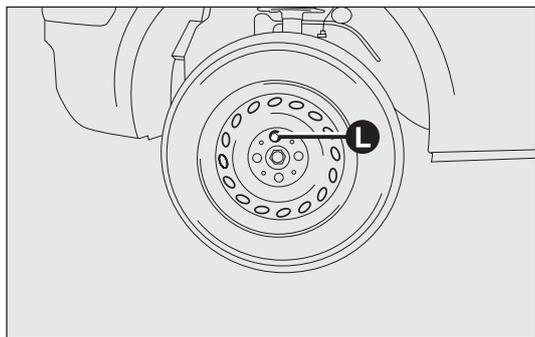


fig. 125

F0Z0233m

- ❑ tighten the four fastening bolts;
- ❑ turn the jack handle to lower the car and remove the jack;
- ❑ fully tighten the bolts, passing alternatively from a bolt to the opposite one, following the order shown in fig. 127.

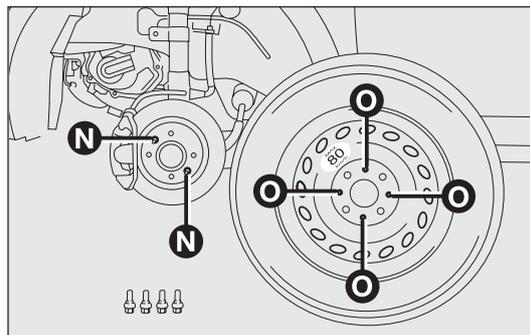


fig. 126

F0Z0204m

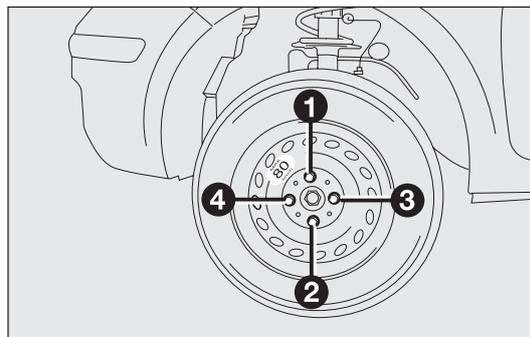


fig. 127

F0Z0206m

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REFITTING THE STANDARD WHEEL

- Following the above procedure, raise the car and remove the space-saver wheel;
- make sure the contact surfaces between wheel and hub are clean so that the fastening bolts will not come loose;
- fit the standard wheel by inserting the first bolt L - fig. 128 into the hole close to the inflation valve;
- fit the wheel cup making the symbol  coincide with the inflation valve and the bolt previously fastened to the hole M - fig. 129 (for Multijet engine versions) or fasten the wheel cup pressing till it fixes on the rim;

- fasten the three other bolts with the wrench provided;
- lower the car and remove the jack;
- fully tighten the bolts, passing alternatively from a bolt to the opposite one, following the order shown in fig. 130.

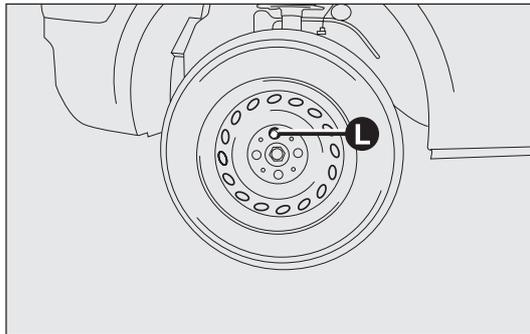


fig. 128

F0Z0233m

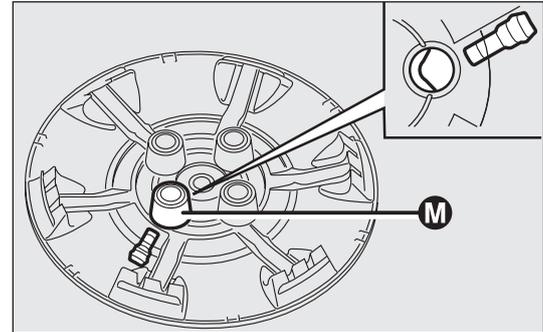


fig. 129

F0Z0603m

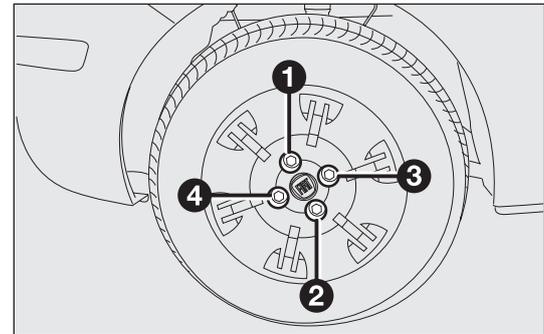


fig. 130

F0Z0696m

At the end of the procedure

- stow the space-saving wheel D-fig. 122 in the space provided in the boot;
- fit the partially-open jack in its box C by forcing it slightly to prevent it from vibrating when travelling;
- put the tools back into their locations;
- arrange the container and tools in the spare wheel and secure the clamping device B;
- correctly reposition the boot stiff cover.

IMPORTANT Do not use inner tubes with tubeless tyres. Check the inflation pressure of the tyres and the space-saving wheel regularly.

IMPORTANT You will need to change the set of bolts if you want to change the type of wheels fitted (alloy rims instead of steel rims, and vice versa). The whole set of fastening bolts must be replaced by another set of suitably sized bolts and use a special space-saving wheel having different building characteristics.

You should keep the bolts and space-saving wheel in case you decide to use the original type of wheel later on.

QUICK TYRE REPAIR KIT FIX&GO automatic

The quick tyre repair kit Fix & Go automatic is placed in the boot; the tool bag fig. 131 is located under the driver's seat and it is fastened by means of a Velcro strap.

The kit fig. 132 includes:

- a bottle A with the sealer and fitted with:
 - filling pipe B;
 - a sticker C with the writing “max. 80 km/h” to be placed in a position clearly visible by the driver (on the dashboard) after repairing the tyre;

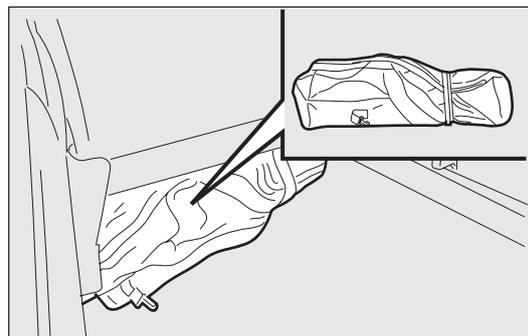


fig. 131

F0Z0607m

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- instruction brochure (see fig. 133), 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;
- a compressor D-fig. 132 including gauge and connections, in the container;
- a pair of protection gloves located in the side space of the compressor;
- adapters for inflating different elements.

In the tool bag you also find the screwdriver, the tow ring and the jack.

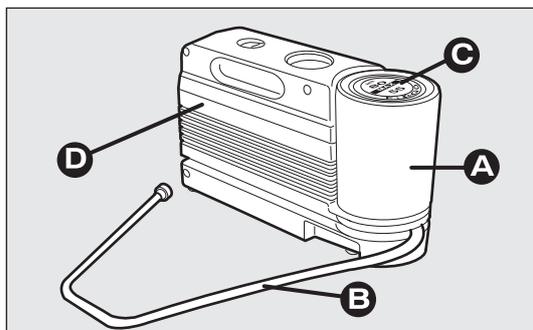


fig. 132

FOZ0607m

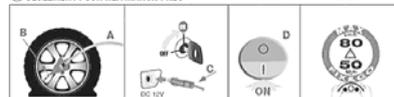
**WARNING**

Hand the leaflet over to the personnel charged to manage the tyre treated using the tyre repair kit.



In the case of a puncture, caused by a foreign body, tyres that have suffered damage up to a maximum diameter of 4 mm on the tread or the shoulder can be repaired.

Ⓞ SOLO PER RIPARAZIONE PNEUMATICO Ⓞ NUR FÜR REIFENREPARATUR
Ⓞ FOR TYRE REPAIR ONLY Ⓞ SOLO PARA REPARACIONES NEUMATICAS
Ⓞ SEULEMENT POUR RÉPARATION PNEU



Ⓞ SOLO PER RIPRISTINO PRESSIONE Ⓞ NUR FÜR DRUCKWIEDERINFÜHRUNG
Ⓞ FOR PRESSURE RESTORE ONLY Ⓞ SOLO PARA REPOSICIÓN PRESIÓN
Ⓞ SEULEMENT POUR REMETTRE LA
PRESSION A L'ETAT INITIAL



fig. 133

FOZ0670m



WARNING

Tyre side wall holes and punctures cannot be repaired. Do not use the quick repair kit if the tyre is damaged as the vehicle has run on a flat tyre.



WARNING

If the wheel rim is damaged (bad groove distortion causing air leakage) it cannot be repaired. Do not remove the foreign body (screws or nails) from the tyre.

PLEASE REMEMBER THAT:

The sealing fluid of the quick tyre repair kit is effective with external temperatures between $-20\text{ }^{\circ}\text{C}$ and $+50\text{ }^{\circ}\text{C}$.
The sealing fluid has a limited life.



WARNING

Never not operate the compressor for longer than 20 consecutive minutes. Risk of overheating. The quick repair kit is not suitable for definitive repairs. Tyres may only be repaired temporarily.



WARNING

The bottle contains ethylene glycol. It contains latex that might cause allergic reactions. It is harmful if swallowed. It is irritant for the eyes in case of contact. It may cause sensitisation by inhalation or contact. Avoid contact with your eyes, skin and clothes. In the event of contact, wash immediately with plenty of water. Do not induce vomit if swallowed. Rinse your mouth and drink plenty of water. Call a doctor immediately. Keep away from children. The product must not be used by asthmatics. Do not inhale the vapours during insertion and suction. Call a doctor immediately if allergic reactions are noted. Store the bottle in the specific compartment, away from sources of heat. The sealant fluid has a limited life.

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Replace the bottle containing out of date sealant fluid. Dispose of the bottle and the sealant liquid properly. Dispose according to the national and local regulations in force.

INFLATING PROCEDURE



WARNING

Put on the protection gloves provided together with quick tyre repair kit.

- Ensure that the handbrake is engaged. Remove the tyre valve cap, extract the flexible filler tube A-fig. 134 and fasten the ring B onto the tyre valve;

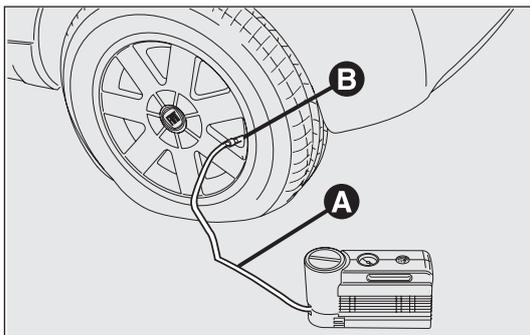


fig. 134

F0Z0697m

- make sure that the compressor switch D-fig. 135 is in position 0 (off), start the engine, fit the plug E-fig. 136 in the 12 V-socket in the central tunnel and operate the compressor turning the switch D-fig. 135 to position I (on). Inflate the tyre at the pressure value specified in paragraph "Inflation pressure" in chapter "Technical specifications".

For a more accurate reading, check pressure gauge F-fig. 135 with the compressor off;

- if after five minutes it is still impossible to reach at least 1.5 bar, disengage the compressor from the valve and current socket, 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;

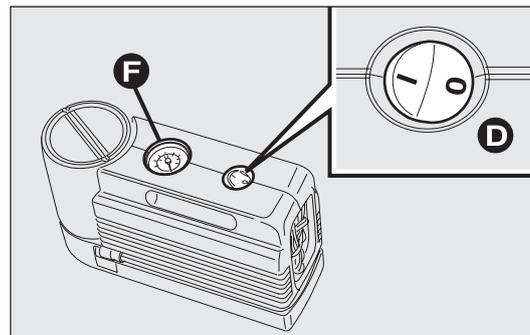


fig. 135

F0Z0672m

- if after this operation it is still not possible to reach at least 1.8 bar after five minutes, do not start driving since the tyre is excessively damaged and the fast tyre repair kit cannot guarantee suitable sealing. Contact a Fiat Dealership;
- if the tyre reaches the pressure specified in “Inflation pressure” paragraph in the “Technical Specifications” chapter, start driving immediately;



WARNING

Apply the adhesive label in a position clearly visible by the driver as a reminder that the tyre has been treated with the quick repair kit. Drive carefully, particularly on bends. Do not exceed 80 km/h. Do not accelerate and brake suddenly.

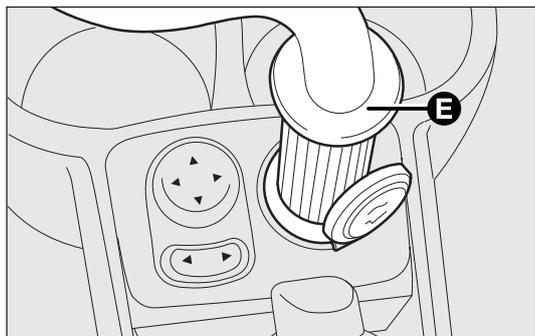


fig. 136

F0Z0673m

- after driving for about 10 minutes stop and check the tyre pressure again; remember to engage the handbrake;



WARNING

If the pressure falls below 1.8 bar, 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 a Fiat 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 Fiat Dealership.

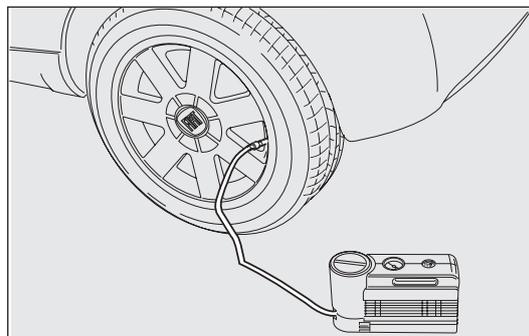


fig. 137

F0Z0698m

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**WARNING**

Absolutely inform the dealership that the tyre has been repaired using the quick tyre repair kit. Hand the instruction brochure over to the personnel charged with treating the tyre repaired with the kit.

FOR CHECKING AND RESTORING PRESSURE ONLY

The compressor can be also used just for restoring pressure. Release the bottle connection A-fig. 139 and connect it directly to the tyre valve fig. 138; in this way the bottle is not connected to the compressor anymore and the sealing fluid will not flow into the tyre.

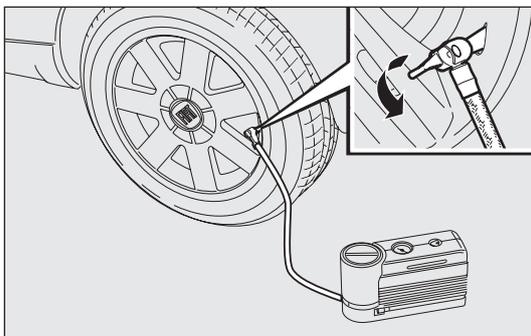


fig. 138

FOZ0699m

BOTTLE REPLACEMENT PROCEDURE

To replace the bottle, proceed as follows:

- disconnect the connection A-fig. 139;
- turn the bottle counter-clockwise to replace and raise it;
- fit the new bottle and turn it clockwise;
- secure the connection A to the bottle and fit the transparent tube B in the relevant compartment.

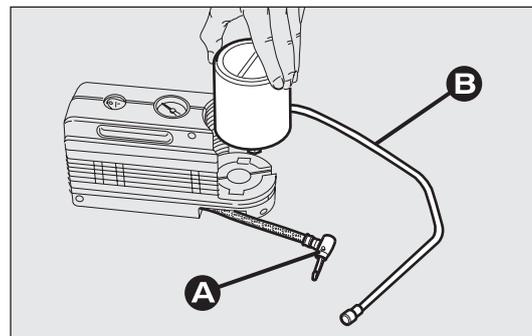


fig. 139

FOZ0676m

CHANGING A BULB

GENERAL INSTRUCTIONS

- 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 headlight beam aiming after changing a bulb;
- 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 “Replacing fuses” in this chapter.



WARNING

Modifications or repairs to the electric system that are not carried out properly or do not take the system technical specifications into account can cause malfunctions leading to the risk of fire.



WARNING

Halogen bulbs contain gas under pressure; if they break, glass fragments may be dispersed.



When handling halogen bulbs, only touch the metal part. If the transparent bulb is touched with the fingers, its lighting intensity is reduced and life of the bulb may be compromised. In the event of accidental contact, wipe the bulb with a cloth moistened with alcohol and leave it to dry.



Where possible, it is advisable to have bulbs changed at a Fiat Dealership. The correct operation and aiming of the outer lights are absolutely important to the safety of the car and its passengers and the subject of specific laws about road traffic.

IMPORTANT The headlight inner surface might be slightly misted: this should not be considered irregular rather a natural phenomenon due to low temperature and the air humidity level. Misting will disappear as soon as the headlights are turned on. The presence of drops inside the headlights indicates infiltration of water. Contact a Fiat Dealership.

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TYPES OF BULBS fig. 140

Various types of bulbs are fitted to your car:

- A Glass bulbs: they are pressure-fit. Pull to remove.
- 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 Halogen bulbs: to remove the bulb, release the clip holding the bulb in place.
- E Halogen bulbs: to remove the bulb, release the clip holding the bulb in place.

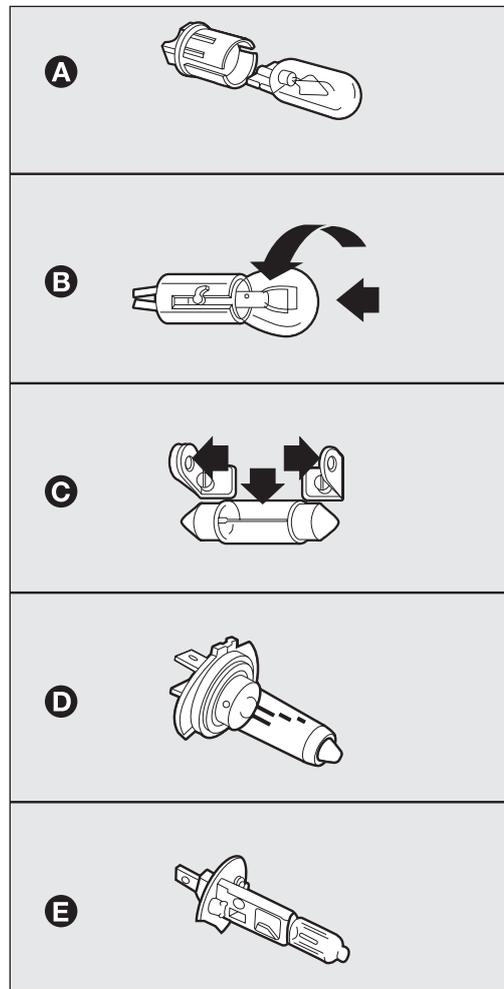


fig. 140

Bulbs	Type	Power	Re. figure 140
Main beam	H4	60/55	D
Dipped beam	H4	60/55	D
Front side lights	W5W	5	A
Front direction indicators	PY21W	21	B
Side direction indicators	W5W	5	A
Rear direction indicators	PY21W	21	B
Stop/tail lights	P21/5W	21/5	B
Reversing lights	P21W	21	B
Rear fog lights	P21W	21	B
Ceiling light	C5W	5	C
Boot light	W5W	5	A
Number plate light	C5W	5	C
Fog lights	H1	55	E
Third stop	W5W	5	A

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CHANGING AN EXTERIOR LIGHT

For the type of bulb and power rating, see “Changing a bulb”.

FRONT LIGHT UNIT

To change the side light bulb, proceed as follows:

- release the clip A-fig. 141 and remove the cap B;
- turn the bulb-holder C-fig. 142 and remove it (it is pressure-fit);
- remove the burnt bulb E-fig. 143 and fit the new one;
- refit by reversing the above mentioned operations.

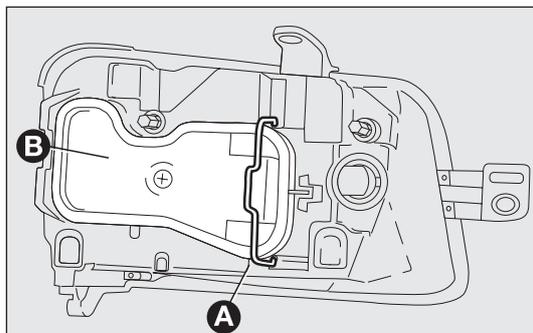


fig. 141

FOZ0089m

To change the direction indicator bulb, proceed as follows:

- release the clip A-fig. 141 and remove the cap B;
- turn the bulb-holder D-fig. 142 and remove it (it is pressure-fit);

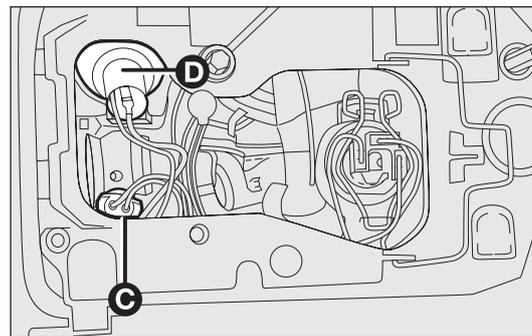


fig. 142

FOZ0090m

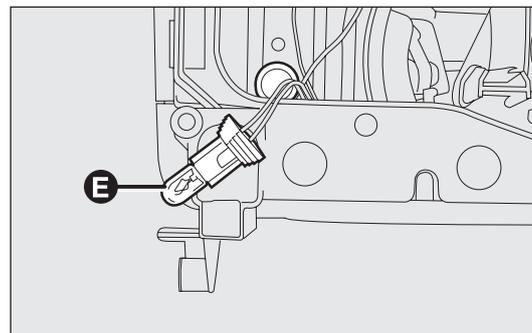


fig. 143

FOZ0091m

- remove the burnt bulb F-fig. 144 and fit the new one;
- refit by reversing the above mentioned operations.

To replace the main/dipped beam light bulb, proceed as follows:

- release the clip A-fig. 141 and remove the cap B;
- remove the connector G-fig. 145;
- release the bulb-holder clip H-fig. 145;

- remove the burnt bulb I-fig. 146 and fit the new one;
- refit by reversing the above mentioned operations.

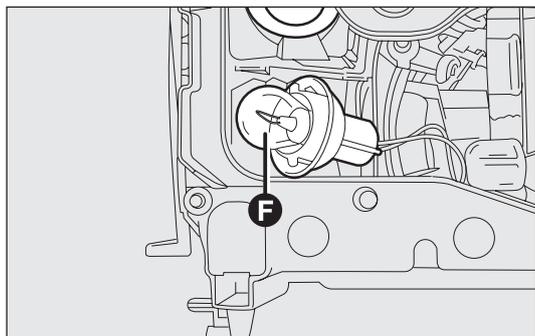


fig. 144

F0Z0092m

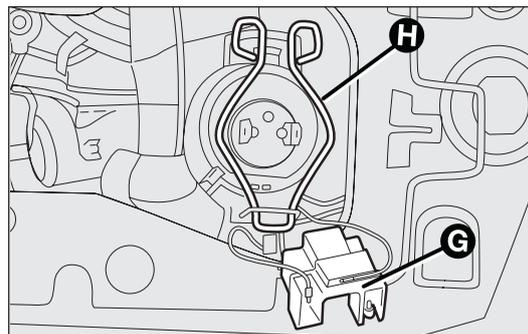


fig. 145

F0Z0093m

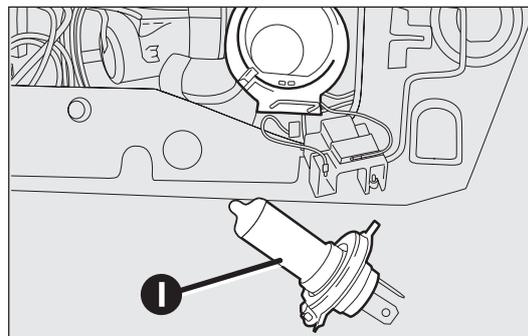


fig. 146

F0Z0094m

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SIDE DIRECTION INDICATORS

To change the bulb, proceed as follows:

- push the lamp lens A-fig. 147 in the car running direction (it is pressure-fit);
- remove the bulb B-fig. 148 and replace it;
- remove the lamp lens.

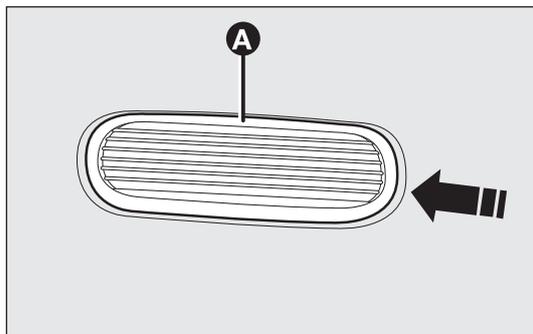


fig. 147

FOZ0095m

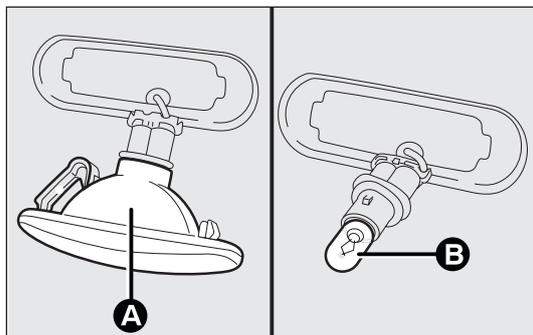


fig. 148

FOZ0604m

FRONT FOG LIGHTS

(for versions/markets where provided)

To change the halogen bulb, proceed as follows:

- undo the two screws A and B-fig. 149 for fog light fastening on the bumper and take out trim and fog light, disconnecting the connector;
- loosen the cover C-fig. 150 and remove the connector D;
- release the clip E-fig. 151 and remove the bulb F;
- refit by reversing the above mentioned operations.

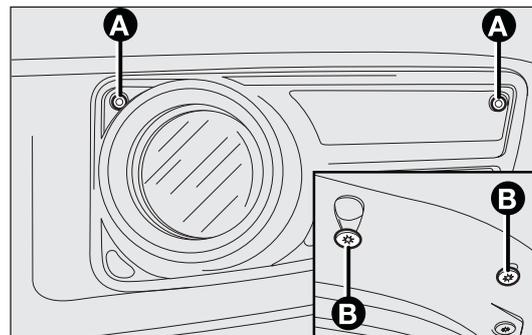


fig. 149

FOZ0227m

REAR LIGHT UNIT

To change the bulb proceed as follows:

- loosen the three screws A-fig. 152 from their housings, pull gently outwards until releasing the whole headlight from the three clips (press-fit), then release the connector;

- loosen the four screws B-fig. 153 from their housings and remove the bulb-holder C;
- remove the bulbs, pushing them slightly and rotating counter-clockwise;
- refit by reversing the above mentioned operations.

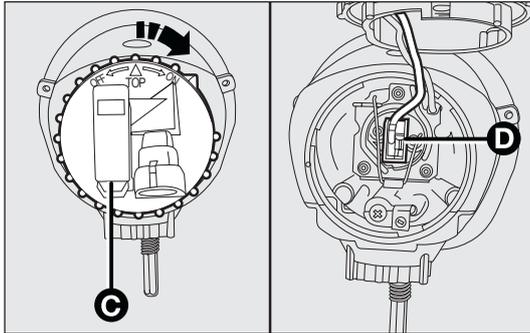


fig. 150

F0Z0228m

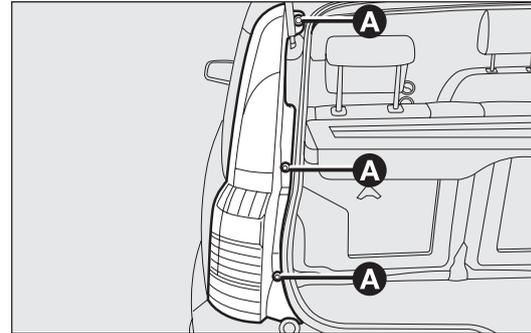


fig. 152

F0Z0096m

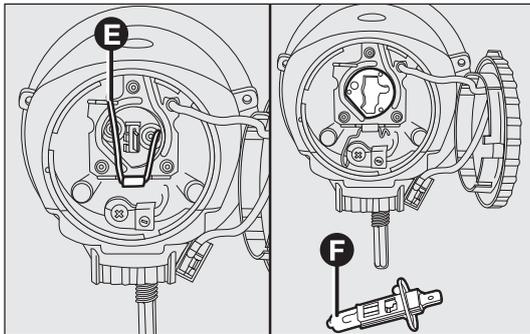


fig. 151

F0Z0229m

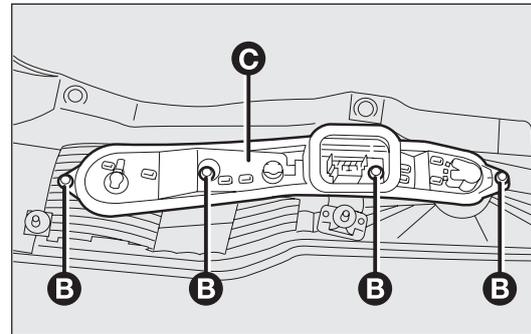


fig. 153

F0Z0097m

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Figure I54

- D 12 V – 21 W bulb for reversing light on right light unit;
- rear fog light on left light unit;
 - on right-hand drive versions, reversing light in the left rear light unit and rear fog lamp in the right rear light unit;
- E 12 V – 21 W bulb for the direction indicators;
- F 12 V – 21/5 W double-light bulb for stop light and tail lights.

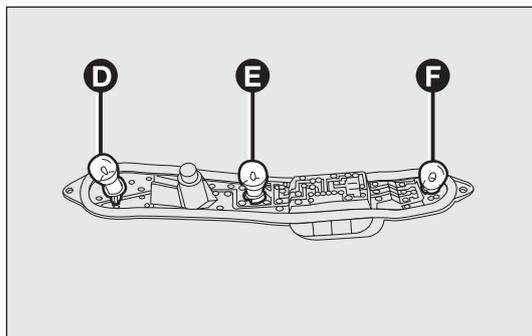


fig. I54

FOZ0098m

NUMBER PLATE LIGHTS

To change the bulb, proceed as follows:

- use a screwdriver to remove the retaining spring as shown fig. I55 and remove the lens A-fig. I56; take out the bulb B from the bulb-holder;
- replace the 12 V - 5 W pressure-fit bulb in the bulb-holder and refit the lens.

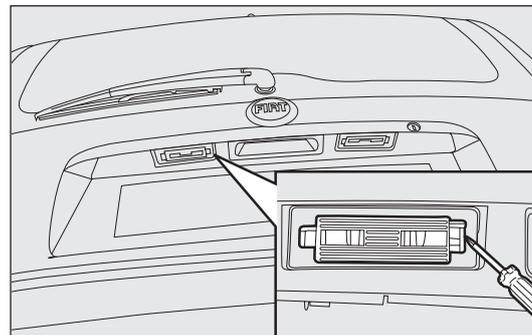


fig. I55

FOZ0099m

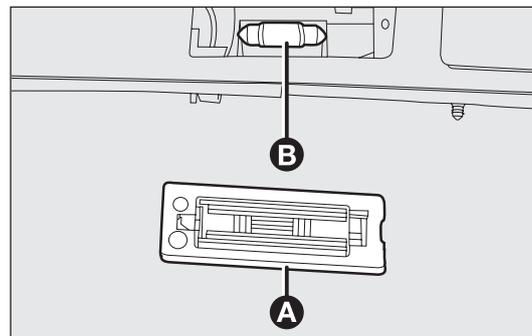


fig. I56

FOZ0100m

THIRD STOP LIGHTS

To change one or more bulbs, proceed as follows:

- undo the two screws A-fig. 157 and remove the whole cover;
- disconnect the connector B-fig. 159 and remove the light unit;

- release the clip C-fig. 158 and remove the bulb unit from the lens unit;
- replace the pressure-fit burnt out bulb D;
- refit by reversing the above mentioned operations.

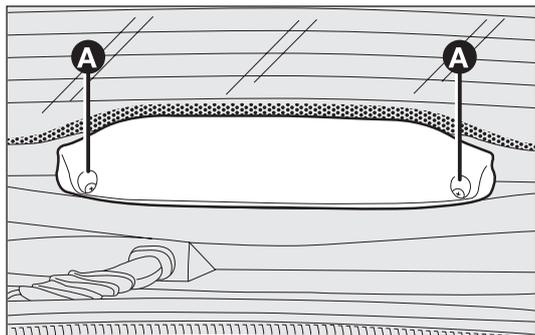


fig. 157

F0Z0101m

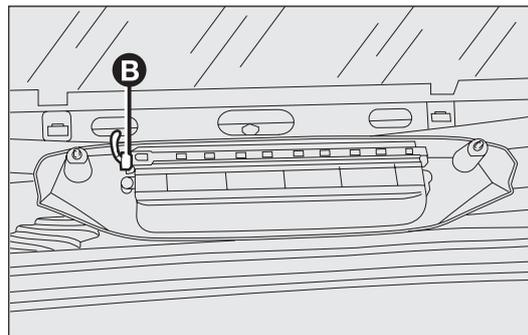


fig. 159

F0Z0210m

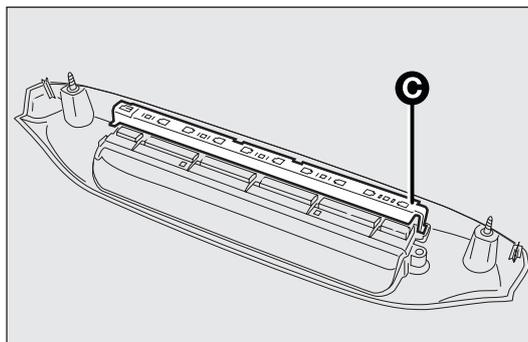
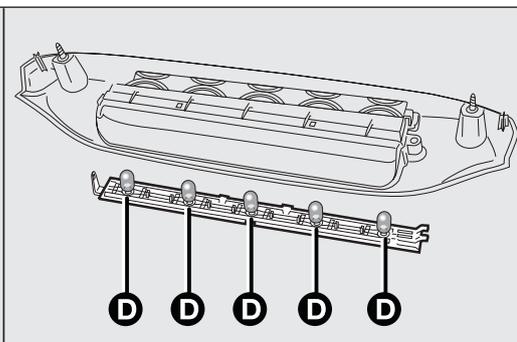


fig. 158



F0Z0211m

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CHANGING AN INTERIOR LIGHT

For the type of bulb and power rating, see “Changing a bulb”.

CEILING LIGHT

To change the bulbs, proceed as follows:

- using the screwdriver provided, extract the ceiling light A-fig. 160 working in the point shown by the arrow;
- open the cover B-fig. 161 as shown;

- replace the bulb C-fig. 162 releasing the side contacts, insert the new bulb and make sure that it is correctly clamped between the contacts;
- close the cap back and refit the lens.

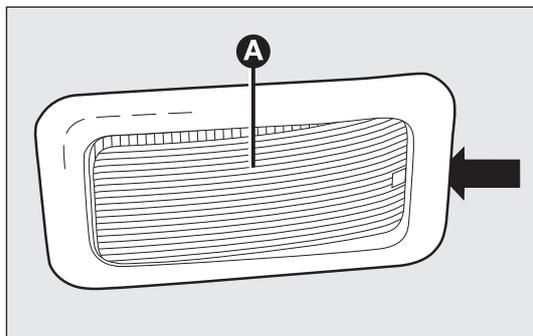


fig. 160

FOZ0193m

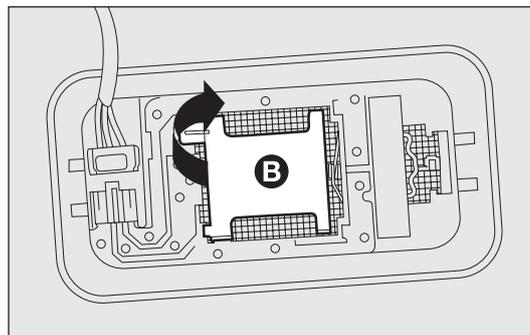


fig. 161

FOZ0213m

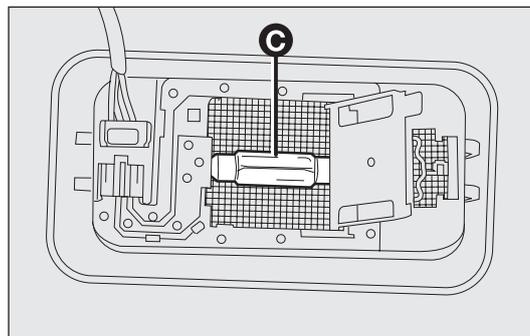


fig. 162

FOZ0214m

BOOT LIGHT

(for versions/markets, where provided)

To change the bulbs, proceed as follows:

- open the tailgate;
- using the screwdriver provided, extract the ceiling light A-fig. 163 working in the point shown;
- open the bulb cover B-fig. 164 and replace the pressure-fit bulb C;

- close again the bulb cover B on the lens;
- refit correctly the light pressing one side and then the other until the locking click is heard.

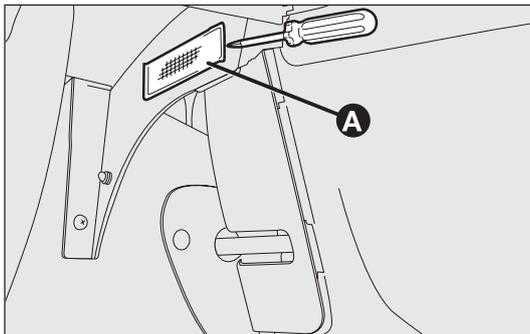


fig. 163

F0Z0102m

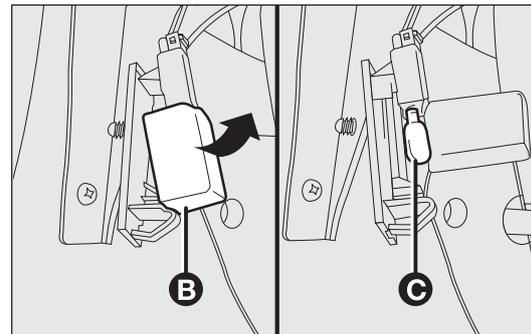


fig. 164

F0Z0103m

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REPLACING FUSES

GENERAL FEATURES fig. 165

Fuses protect the electric system: they cut in (i.e. they blow) in the event of a failure or improper action on the system.

When a device does not work, check the efficiency of its fuse: the filament A must be intact. If it is, replace the blown fuse with another with the same amperage (same colour).

B undamaged fuse.

C fuse with damaged filament.

To facilitate fuse replacement, use the pliers D hooked to the fuse-box on the dashboard left-hand side.

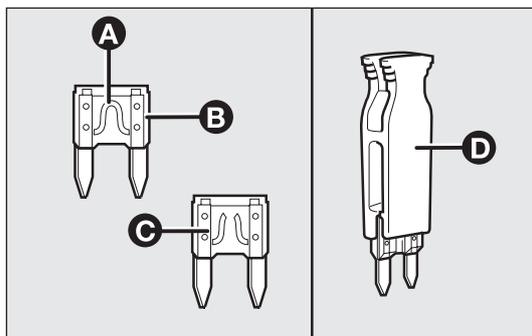


fig. 165

FOZ0087m

Refer to the tables on the following pages to identify the protection fuse.



WARNING

Should the fuse blow again, contact Fiat Dealership.



WARNING

Never replace a fuse with another having higher amperage; FIRE HAZARD.



WARNING

In case of general protection fuse intervention (MEGA-FUSE, MIDI-FUSE, MAXI-FUSE) contact Fiat Dealership.



WARNING

Remove the key from the ignition switch and switch off all loads before replacing a fuse.



WARNING

If a general protection fuse for safety systems (air bag system, braking system), power unit systems (engine system, transmission system) or steering system is triggered, contact a Fiat Dealership.

To identify the protection fuse, see the tables in the following pages.

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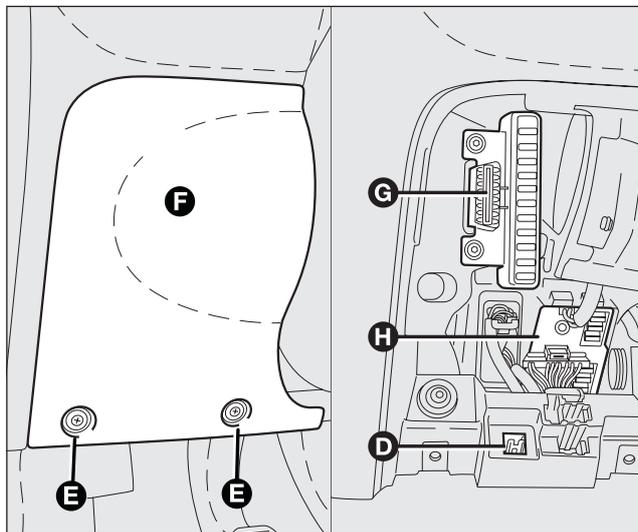


fig. 166

FOZ0260m

FUSE LOCATION

Fuse-boxes are located on the steering wheel left-hand side fig. 166 and 167.

To gain access to the fuse-boxes, undo the cover F fastening screw E.

G wired control unit.

H body-computer control unit.

D fuse extracting pliers.

The number identifying the electrical component corresponding to each fuse is on the cover back.

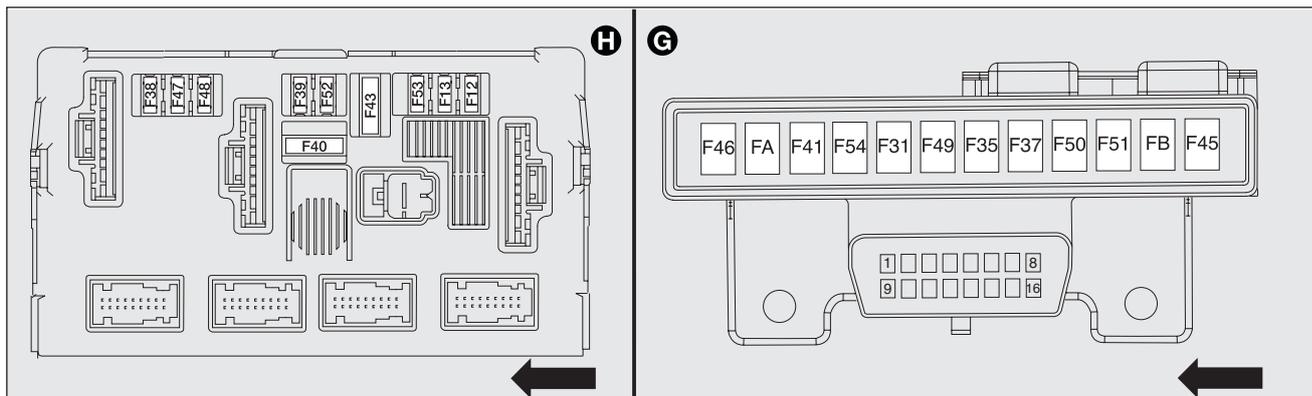


fig. 167

FOZ0139m

Fuses in the engine compartment fig. I68 and I69

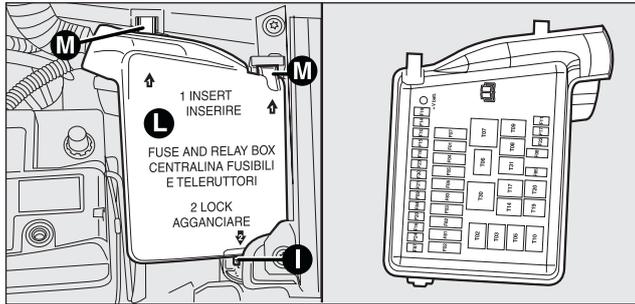


fig. I68

F0Z0652m

A second fuse-box is located on the right-hand of the engine compartment, next to the battery; to reach it release the spring I, the tabs M and remove the lid L.

The number identifying the electrical component corresponding to each fuse is on the cover back.



If you need to wash the engine compartment, take care not to directly hit the engine compartment control unit with the water jet.

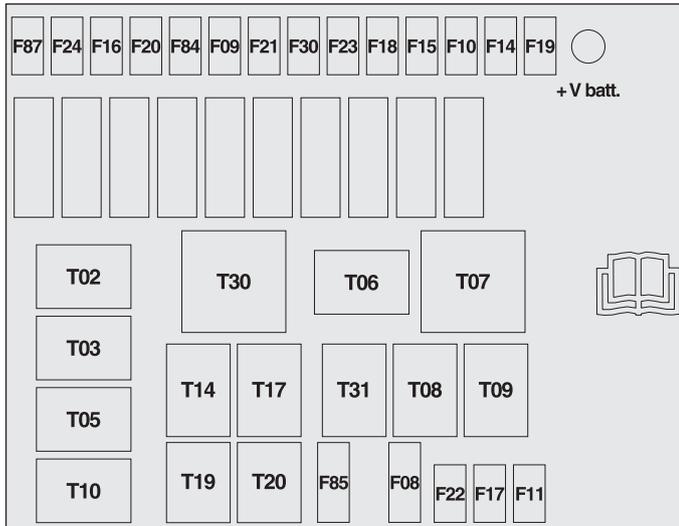


fig. I69

F0Z0704m

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KNOW
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	FUSE	AMPERE
+ I5 radio	F35	7,5
Central dashboard	F35	7,5
+ I5 stop lights	F37	10
Automatic climate control system	F49	7,5
Sensor for water presence in the diesel fuel filter	F49	7,5
+ I5 Body-computer control unit	F51	5
+ I5 instrument panel	F51	5
Free	FA	–
Free	FB	–
Right dipped beam headlight	F12	7,5
Left dipped beam headlight	F13	7,5
Headlight aiming adjustment	F13	7,5
+ 30 door locking device	F38	20
EOBD diagnosis socket	F39	10
Radio	F39	10
Automatic climate control system	F39	10

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Passenger's compartment fuse-box - fig. 167

	FUSE	AMPERE
Body-computer control unit	F39	10
Heated rear window	F40	30
Windscreen wiper/washer	F43	30
Windscreen / rear window washer pump	F53	15
Front left power window	F47	20
Front right power window	F48	20
Rear window wiper	F52	15

Engine compartment fuse-box - fig. 169

	FUSE	AMPERE
Climate control system fan	F8	30
Headlamp washers/Gas solenoid valves (1.2 LPG Euro 5 versions)	F9	30/7,5
Horn	F10	15
Main beam headlights	F14	15
+30 Trailer control unit/differential lock ECU (4x4 versions)	F15	15
Reversing lights	F87	7,5
Gas solenoid valves (1.4 Natural Power versions)	F84	7,5
Air climate control compressor	F19	7,5
Electric sun roof	F20	15
Fuel pump supply	F21	15
Fog lights	F30	15
Cigar lighter/current socket	F85	20
Subwoofer	F82	20

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BATTERY RECHARGING

IMPORTANT Battery recharging procedure is given as information only. This operation shall be performed at a Fiat Dealership .

Charging should be slow at a low ampere rating for approximately 24 hours. Charging for a longer time may damage the battery.

Charge the battery as follows:

- disconnect the battery negative terminal;
- connect the charger cables to the battery terminals, observing the poles;
- turn on the battery charger;
- after recharging, turn the battery charger off before disconnecting the battery itself;
- reconnect the battery negative terminal.



WARNING

Battery fluid is poisonous and corrosive: avoid contact with your skin and 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 the battery was frozen, have it inspected by skilled personnel before recharging to check that the internal elements are not damaged and that the casing is not cracked, which causes the risk of leakage of poisonous, corrosive acid.

JACKING THE CAR

If the car needs to be jacked up, go to a Fiat Dealership which is equipped with shop jacks and jack arms.

Jack up the car only by positioning the jack arms or the shop jack in the points shown in fig. 170.

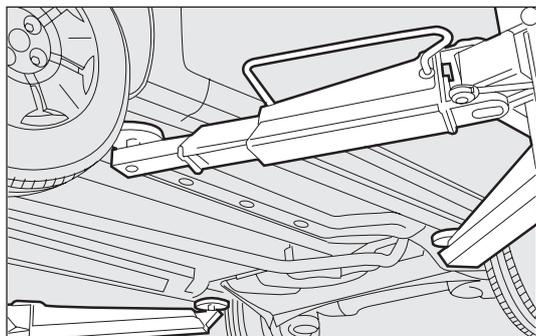


fig. 170

F0Z0215m

TOWING THE CAR

The tow ring, which is provided with the car, is housed in the tool box, under the boot mat.

TOW RING HOOKING fig. 171

Proceed as follows:

- release the cap A;
- take the tow ring B from its seat in the tool support;
- fully tighten the ring on the rear or front threaded pin.

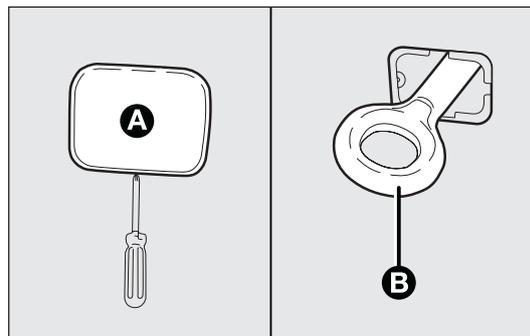


fig. 171

F0Z0217m

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**WARNING**

*Before towing, turn the ignition key to **MAR** and then to **STOP** without removing it. The steering column will automatically lock when the key is removed and the wheels cannot be steered.*

**WARNING**

When towing, remember that without the help of the servo-brake and electric power steering, a greater effort is required on the pedal and steering wheel. Do not use flexible cables when towing and avoid jerky movements. While towing, make sure not to damage parts in contact with the car. When towing the car, comply with the regulations of the Highway Code about towing, both concerning the towing device and the driving behaviour on the road.

**WARNING**

During towing, never start the engine.

CAR MAINTENANCE

SCHEDULED SERVICING

Correct servicing is essential in guaranteeing a long life for the car under the best conditions.

This is why Fiat has programmed a series of checks and servicing operations every 20,000 km.

It is however important to remember that scheduled servicing does not completely cover all the car's requirements: also in the initial run-in period before 20,000 km service coupon and later, between each servicing interval, ordinary care is still required, such as for example routine check and topping-up the level of fluids, tyre pressure check, etc...

IMPORTANT Scheduled Servicing coupons are specified by the Manufacturer. Failure to have them carried out may invalidate the warranty.

Schedule servicing can be carried out by any Fiat 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 only be carried out with the express agreement of the Customer.

IMPORTANT It is advisable to contact a Fiat Dealership in the event of any minor operating failure, without waiting for the next service coupon.

If the car is used frequently for towing a trailer, the interval between services should be reduced.

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SCHEDULED SERVICING PROGRAMME

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These coupons have to be carried out every 20,000 km

Thousands of km

20 40 60 80 100 120 140 160 180

SAFETY

Check tyre condition/wear and, if necessary, adjust pressure

● ● ● ● ● ● ● ● ●

Check lighting system operation (headlights, direction indicators, hazard warning lights, passenger's compartment lights, boot lights, instrument panel warning lights, etc.)

● ● ● ● ● ● ● ● ●

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Check windscreen wiper/washer operation, adjust nozzles

● ● ● ● ● ● ● ● ●

Check windscreen/rear window blade position/wear

● ● ● ● ● ● ● ● ●

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Check front disc brake pad conditions and wear

● ● ● ● ● ● ● ● ●

Check rear drum brake linings conditions and wear

● ● ●

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Condition visual check: bodywork exterior, underbody protection, pipes and hoses (exhaust – fuel supply system – braking system), rubber elements (boots – sleeves – bushes – etc...)

● ● ● ● ● ● ● ● ●

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Check cleanliness of bonnet and boot locks, as well as cleanliness and lubrication of linkages

● ● ● ● ● ● ● ● ●

Check tension and conditions of various accessory drive belts (except for engines with automatic tensioners)

●

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Visually inspect conditions of the accessory drive belts

● ● ● ● ●

Check and adjust tappet clearance (petrol versions)

● ● ● ● ●

Check and adjust handbrake lever stroke

● ● ● ● ●

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Thousands of km	20	40	60	80	100	120	140	160	180
Replace air filter cartridge (every 30,000 km for 1.3 Multijet engine)			●			●			●
Top-up fluids (engine coolant, brakes, windscreen washer, battery, etc...)	●	●	●	●	●	●	●	●	●
Check timing belt conditions (1.3 Multijet engine excluded)			●						●
Replace toothed timing drive belt (*) (1.3 Multijet engine excluded)						●			
Change spark plugs (petrol versions)		●		●		●		●	
Check engine management system operation (through the diagnosis socket)		●		●		●		●	
Check gearbox fluid level				●				●	
Change engine oil and oil filter (petrol versions)  (1)	●	●	●	●	●	●	●	●	●
Change engine oil and oil filter (Multijet versions with DPF)  (**) (2)									
Change brake fluid (or every two years)			●			●			●
Replace pollen filter (or once a year)	●	●	●	●	●	●	●	●	●
Check exhaust emissions/smokiness (1.3 Multijet engine)		●		●		●		●	
Replace fuel filter cartridge (Green-filter) (1.3 Multijet engine)			●			●			●

(*) Or every 4 years if the vehicle is used under severe conditions (cold climates, city usage with prolonged running at idle speed).
Or every 5 years, regardless of the distance

(**) The engine oil and the filters shall be replaced when the warning light on the dashboard goes on (see chapter “Warning lights and messages”) or anyway every 2 years.



(1) If the car is mainly used in cities or less than 10,000 km a year, change the engine oil and filter every 12 months.

(2) If the car is mainly used in towns and cities, change the engine oil and filter every 12 months.

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YEARLY INSPECTION SCHEDULE

For cars with an annual mileage of below 20,000 km (for example about 15,000 km) the following yearly inspection schedule is advised:

- check conditions/wear of tyres and adjust pressure if necessary (including spare wheel);
- check lighting system operation (headlights, direction indicators, hazard warning lights, boot light, passenger's compartment, instrument panel warning lights, etc...);
- check wiper/washer system operation, adjust nozzles;
- check windscreen/rear window blade position/wear;
- check front disc brake pad conditions and wear;
- check cleanliness of bonnet and boot locks and lever cleanliness and lubrication;
- sight inspect the conditions of: engine, gearbox, transmission, pipes and hoses (exhaust – fuel supply – braking system) rubber parts (boots – sleeves – bushes etc.), fuel and brake system hoses;
- check battery charge;
- visually check the various drive belt conditions;
- check and top-up liquids if required (engine coolant, brakes, windscreen washer, battery, etc.);
- change engine oil;
- change engine oil filter;
- change pollen filter (for versions/markets where provided).

ADDITIONAL INTERVENTIONS

Every 1,000 km or before long journeys, check and, if necessary, top-up the following:

- engine coolant fluid level;
- brake fluid level;
- battery fluid level;
- windscreen washer fluid level;
- tyre pressure and conditions.

Every 3,000 km check the following and top-up, if required:

- engine oil level.

You are recommended to use PETRONAS LUBRICANTS products designed and produced specifically for Fiat cars (see table “Capacities” in chapter “Technical Specifications”).

IMPORTANT – Engine oil

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 with external temperatures below zero;

- frequently idling engine or long distance low speed driving (e.g. taxis or door-to-door deliveries) or in case of a long term inactivity;

change engine oil more frequently than required on the “Scheduled Servicing Programme”.

IMPORTANT – Diesel filter

The possibility of topping-up with diesel fuel not complying with EN590 European Standard might make it necessary to replace the filter more frequently than indicated in the “Scheduled Servicing Programme”.

IMPORTANT – Air filter

When the car is used on dusty roads, change the air filter more frequently than shown on the “Scheduled Servicing Programme”. If in doubt as to how often the engine oil and air filter should be changed according to how you use the car, contact a Fiat Dealership.

IMPORTANT – Pollen filter

It is advisable to replace the filtering element more frequently if the car is used in dusty or very polluted places. Specifically, replace if a lower air flow into the passenger’s compartment is found.

IMPORTANT – Battery

Check the battery charge once a year, preferably before at the beginning of winter to limit the risk of electrolyte freezing.

This check should be carried out more frequently if the car is used mainly for short journeys, or if it is fitted with accessories that permanently absorb electricity even with the ignition key removed, especially in the case of after-market accessories. If the car is used in hot climates or particularly harsh conditions it is advisable to check the level of the battery fluid (electrolyte) more frequently than specified in the “Scheduled Servicing Programme”.



Car maintenance should be charged to a Fiat Dealership. For routine and minor maintenance operations you wish to carry out yourself, always make sure you have the proper equipment, genuine Fiat spare parts and the necessary fluids; do not however carry out these operations if you have no experience.

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LEVEL CHECK



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 and take care not to confuse the various types of fluids: they are all incompatible with one another and could seriously damage the car.

Versions 1.2

1. Engine oil
2. Battery
3. Brake fluid
4. Windscreen washer fluid
5. Engine coolant.

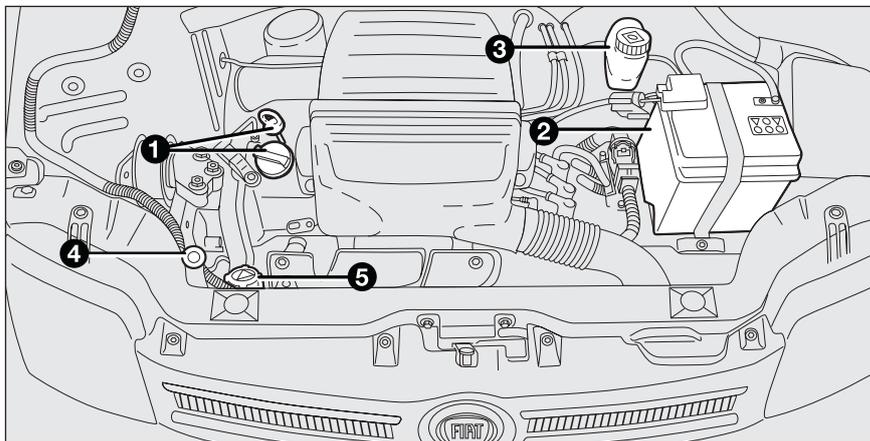


fig. 172 - 1.2 version

F0Z0822m

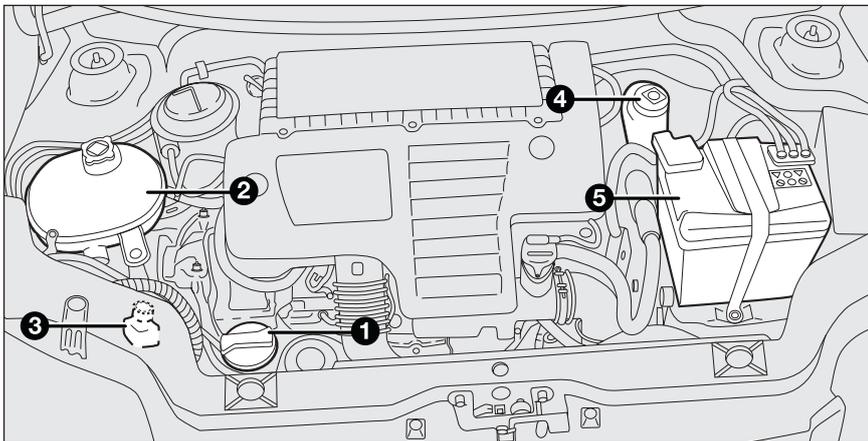


fig. 173 - I.3 Multijet 75HP version

F0Z0261m

Versions I.3 Multijet 75HP

1. Engine oil
2. Engine coolant
3. Windscreen washer fluid
4. Brake liquid
5. Battery.

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ENGINE OIL fig. 174-175

Check the oil level a few minutes (about five) after the engine has stopped, with the car parked on level ground.

The oil level must be within the MIN and MAX marks on the dipstick B.

The range between the MIN. and MAX. marks corresponds to about 1 litre of oil. If the oil level is close to or actually below the MIN. mark, pour in the prescribed oil through the filler A until it reaches the MAX mark. The oil level must never exceed the MAX mark.

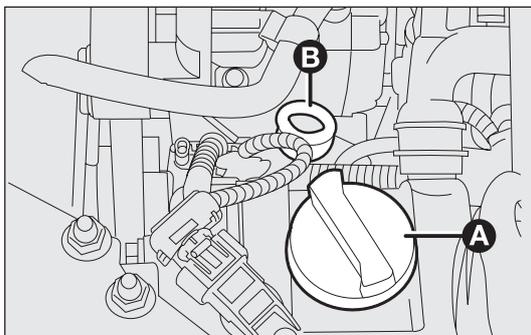


fig. 174 – version 1.2

F0Z0823m

ENGINE OIL CONSUMPTION

The maximum engine oil consumption is usually 400 grams every 1000 km.

When the car is new, the engine needs to be 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 car utilisation conditions.

IMPORTANT After adding or changing the oil, let the engine run for a few seconds and wait a few minutes after switching it off before checking the level.

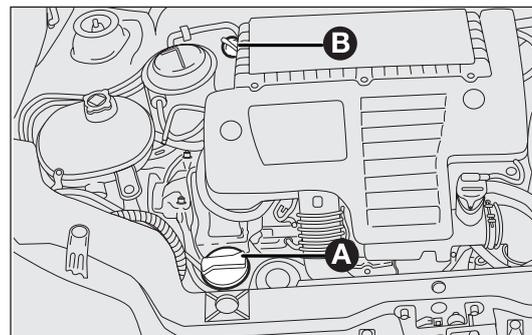


fig. 175 – version 1.3 Multijet 75HP

F0Z0262m



WARNING

When the engine is hot, take care when working inside the engine compartment to avoid burns. Remember that when the engine is hot, the fan may cut in: danger of injury. Scarves, ties and other loose clothing might be pulled by moving parts.



Never add any oil with different specifications than those of the existing engine oil.



Used engine oil and the replaced oil filter contain substances that may be dangerous for the environment. It is advisable to have oil and filters changed by a Fiat Dealership where they will be disposed respecting the environment and according to law prescription.

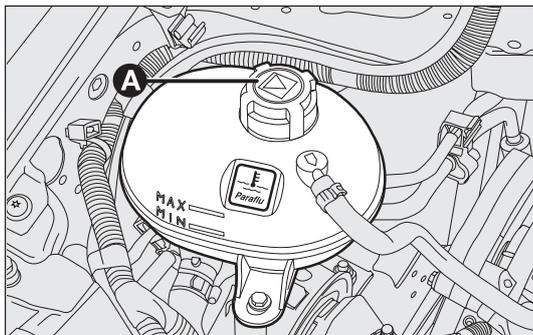


fig. 176

F0Z0107m

ENGINE COOLANT fig. 176 and 177

The coolant level must be checked when the engine is cold and must range between the MIN. and MAX. marks on the reservoir.

If the level is low, pour slowly a mixture of 50% demineralised water and 50% PARAFIU^{UP} of PETRONAS LUBRICANTS through the filler neck A until approaching the MAX. level.

A 50-50 mixture of PARAFIU^{UP} and demineralised water gives freeze protection to -35°C .

For particularly harsh climate conditions, a mixture of 60% PARAFIU^{UP} and 40% demineralised water is recommended.

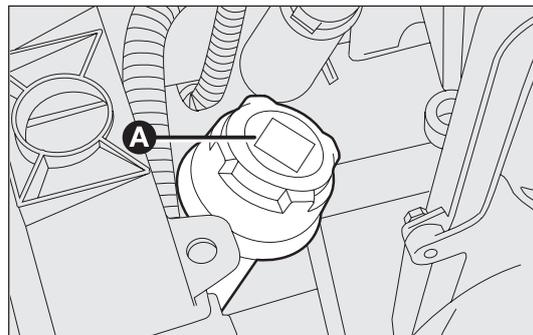


fig. 177

F0Z0182m

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The engine cooling system uses protective antifreeze fluid *PARAFLU^{UP}*. Use the same fluid as in the cooling system when topping up. *PARAFLU^{UP}* fluid cannot be mixed with any other type of fluid. If this accidentally occurs, do not start the engine and contact a Fiat Dealership.

**WARNING**

The engine cooling system is pressurised. If necessary, only replace the cap with another genuine one or the operation of the system may be adversely affected. Do not remove the cap from the reservoir when the engine is hot: danger of scalding.

WINDSCREEN/REAR WINDOW WASHER FLUID fig. 178

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.

At 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 parts which could start a fire if they come into contact.

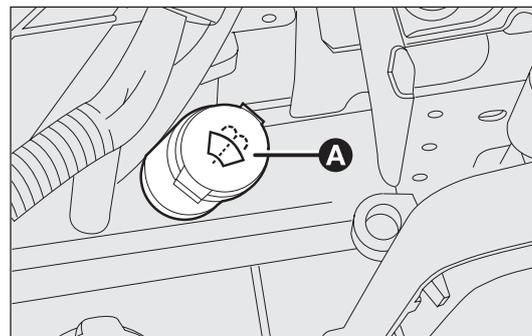


fig. 178

F0Z0183m

BRAKE FLUID fig. 179

Undo the cap A and check that the liquid contained in the reservoir is at the maximum level.

Fluid level in the reservoir must not exceed the MAX mark.

Use the brake fluid shown in the “Fluids and lubricants” table (see “Technical Specifications”).

NOTE Carefully clean the reservoir cap A and the surrounding surface.

Take great care that impurities do not enter the reservoir when the cap is opened.

For topping-up, always use a funnel with integrated filter with mesh equal to or lower than 0.12 mm.

IMPORTANT Brake fluid is hygroscopic (i.e. it absorbs moisture). For this reason, if the car is mainly used in areas with a high degree of atmospheric humidity, the fluid should be replaced at more frequent intervals than specified in the “Scheduled Servicing Programme”.



Prevent brake fluid which is highly corrosive from coming into contact with painted parts. Should this occur, immediately wash with water.



WARNING

Brake fluid is poisonous and highly corrosive. In the event of accidental contact, immediately wash the affected parts with water and neutral soap. Then rinse thoroughly. If swallowed call a doctor straight away. The symbol ☉ on the container indicates a synthetic brake fluid, which is different from a mineral fluid. Use of a mineral-based fluid will damage the special rubber seals of the braking system beyond repair.

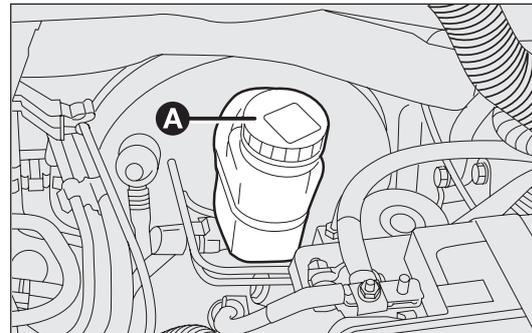


fig. 179

F0Z0109m

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AIR FILTER

REPLACEMENT (1.2 versions) fig. 180 - 181

Release the clips A, remove the cover front side B and extract the filtering element C to be replaced.

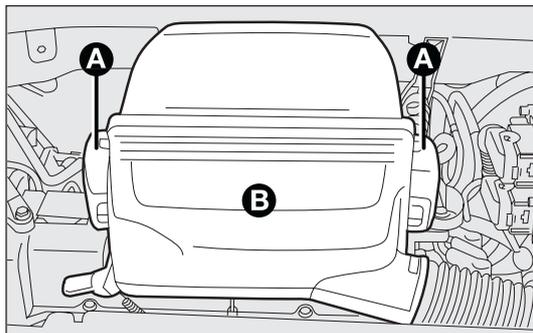


fig. 180

F0Z0134m

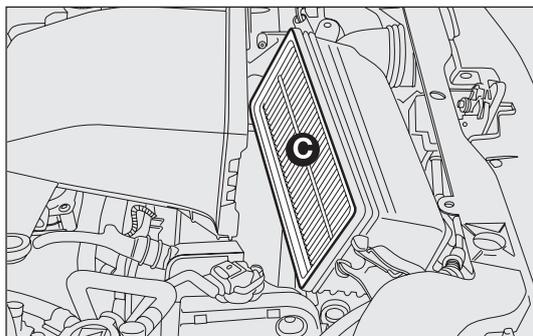


fig. 181

F0Z0135m

REPLACEMENT (1.3 Multijet 75HP versions) fig. 182 - 183

Undo the screws D, remove the cover E and extract the filtering element F to be replaced.

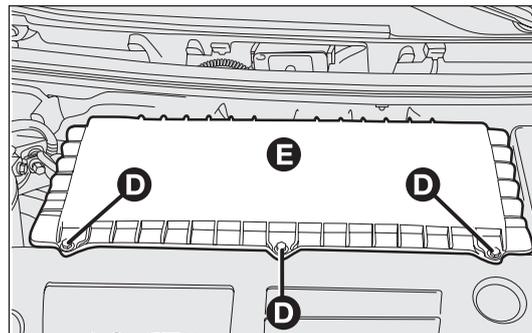


fig. 182

F0Z0263m

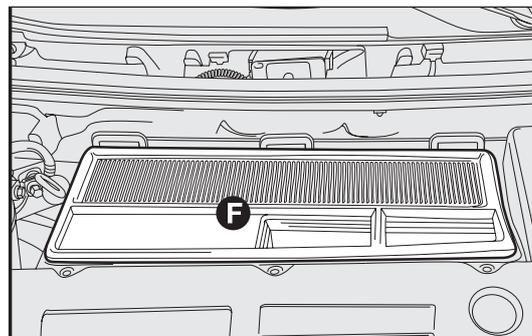


fig. 183

F0Z0263m

POLLEN FILTER

Pollen filter replacement shall be carried out at a Fiat Dealership.

BATTERY

The car fits a low-maintenance battery: no top-ups with distilled water are needed in standard conditions of use.

INSPECTING THE CHARGE AND THE ELECTROLYTE LEVEL

The operations must be carried out as described in this Owner Handbook only by skilled personnel. Any top-up operations must be carried out by skilled personnel and by a Fiat Dealership.



WARNING

Battery liquid is poisonous and corrosive. Avoid contact with the skin and eyes. Keep naked flames or possible sources of sparks away from the battery: risk of explosion or fire.

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**WARNING**

Using the battery when the fluid is too low can damage it irreparably and generate a risk of explosion.

CHANGING THE BATTERY

If required, replace the battery with a genuine spare part having the same specifications.

If a battery with different specifications is fitted, the service intervals given in the “Scheduled Servicing Programme” in this chapter will no longer be valid.

Follow the battery manufacturer’s instructions for maintenance.



Incorrect assembly of electric and electronic devices may cause severe damage to your car. Contact a Fiat 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. It is advisable to have battery replaced by a Fiat Dealership where it will be disposed respecting the environment and according to law prescription.

**WARNING**

If the car 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 EXTENDING THE LIFE OF YOUR BATTERY

To avoid draining your battery and make it last longer, observe the following instructions:

- when you park the car, ensure the doors, tailgate and bonnet are closed properly, to prevent any light switching-on inside the passenger’s compartment;

- the ceiling lights must be off. The car is however provided with an automatic system for switching-off internal lights;
- do not keep accessories (e.g. sound system, hazard warning lights, etc...) switched on for a long time when the engine is not running;
- before performing any operation on the electric 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.) or accessories influencing the electrical supply requirements, contact Fiat Dealership whose skilled personnel, in addition to suggesting the most suitable devices included in Lineaccessori Fiat, 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 space-saver wheel, approximately every two weeks and before long journeys: the pressure should be checked with the tyre rested and cold.

While driving the car, the pressure increases under standard conditions: for the correct tyre inflation pressure, see "Wheels" in "Technical specifications" chapter.

Incorrect pressure causes abnormal tyre wear fig. 184:

- A standard pressure: tread evenly worn.
- B low pressure: tread particularly worn at the edges.
- C high pressure: tread particularly worn in the centre.

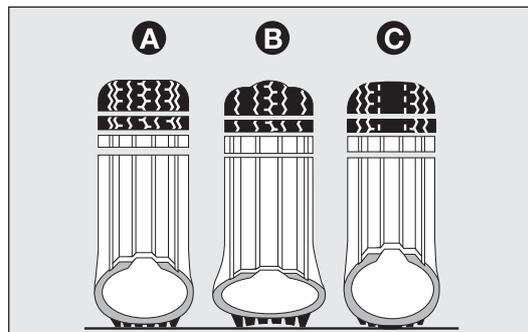


fig. 184

F0Z0112m

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The tyres must be replaced when the tread is less than 1.6 mm thick. In all cases, follow the laws in force in the country where you are driving.

IMPORTANT NOTES

- Avoid braking suddenly, burning starts and violent knocks against curbs, potholes or other obstacles if possible. Driving for long stretches over bumpy roads can damage the tyres;
- check the tyres regularly for cuts on the sides, swelling or irregular tread wear. Contact a Fiat Dealership if required;
- avoid overloading the car when travelling: this may cause serious damage to the wheels and tyres;
- if a tyre is punctured, stop the vehicle immediately and change it to avoid damage to the tyre, the rim, the suspensions and the steering system;
- a tyre will age even if it is not used much. Cracks in the tread and on the sidewalls are a sign of ageing. Have the tyres checked by skilled personnel if they have been fitted for longer than six years. Remember to check also the space-saver wheel very carefully;
- in case of replacement, always fit new tyres, avoiding those with an unknown origin;
- if a tyre is replaced, 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 the road holding qualities of your car also depend on the correct inflation pressure of the tyres.



WARNING

If the pressure is too low the tyre will get overheated, with the risk of serious damage.



WARNING

Avoid moving the tyres from the right side of the car to the left side 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, follow the “Scheduled Servicing Programme” in this chapter carefully.

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 WIPER/WASHER

BLADES

Periodically clean the rubber part using special products; TUTELA PROFESSIONAL SC35 is recommended. Replace the blades if the rubber edge is deformed or worn. In all cases, it is advisable to replace them approximately once a year.

A few simple precautions can reduce the possibility of damage to the blades:

- make sure that the rubber part is not stuck to the windscreen at sub-zero temperatures. Use an antifreeze product to release it if required;
- 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 and the rear screen wipers on dry glass.



WARNING

Driving with worn wiper blades is a serious hazard, because visibility is reduced in bad weather.

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Changing the windscreen wiper blades fig. 185

Proceed as follows:

- lift the arm **A** of the wiper and position the blade so that it forms an angle of 90° with the arm;
- press tab **B** of the coupling spring and remove the blade to be replaced from the arm **A**;
- fit the new blade by inserting the tab into the special slot in the arm. Make sure it is properly locked into place.

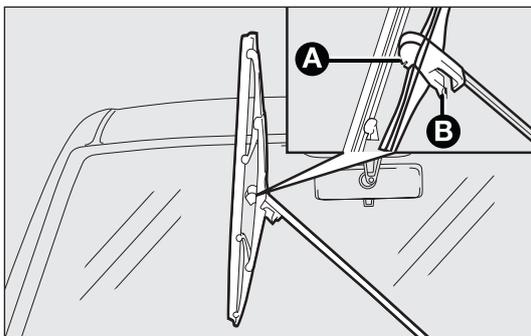


fig. 185

FOZ0218m

Changing the rear window wiper blade fig. 186

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;
- position the new arm correctly and tighten the nut;
- lower the cover.

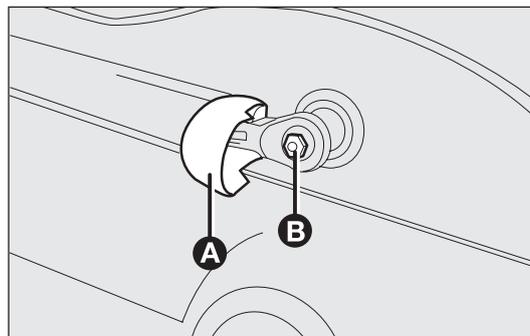


fig. 186

FOG0077m

SPRAY NOZZLES

Windscreen washer fig. 187

If the jet of fluid is inadequate, firstly check that there is fluid in the reservoir: (see “Checking fluid levels” in this chapter).

Then check that the nozzle holes are not clogged, if necessary clean them using a needle.

The windscreen jets are directed by adjusting the nozzle angle.

Fluid jets shall be directed at about $\frac{1}{3}$ height from the window upper edge.

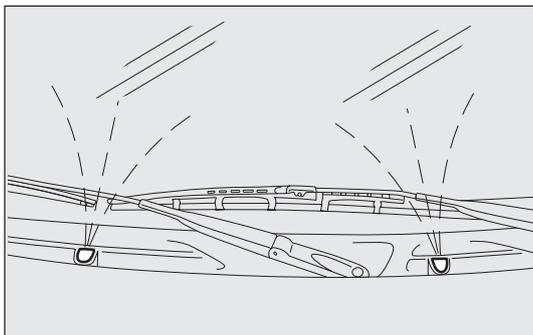


fig. 187

F0Z0116m

Rear window washer fig. 188

Rear window washer jets are fixed.

The nozzle holder is on the rear window.

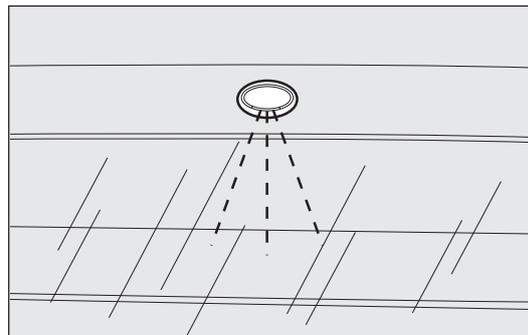


fig. 188

F0Z0117m

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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 environmental conditions.

Not to be underestimated is also the abrasive action of wind-borne atmospheric dust and sand, along with mud and gravel raised by other vehicles.

On your car, Fiat 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, wheel housing internal parts and other parts with highly protective wax products;

- spraying of protective plastic material in the more exposed points: underdoor, inner mudguard parts, edges, etc...;
- Use of “open” boxed sections to prevent condensation and pockets of moisture which could cause 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 the Warranty Booklet.

ADVICE FOR PRESERVING THE BODYWORK

Paint

Paintwork does not only serve an aesthetic purpose, but also protects the underlying sheet metal.

Touch-up abrasions and scratches immediately to prevent the formation of rust. Only use genuine spare paint products for touch-ups (see “Bodywork paint identification plate” in the “Technical Specifications” chapter).

Standard maintenance of paintwork consists in washing the vehicle; its frequency depends on the conditions and environment where the vehicle is used. For example, in highly polluted areas, or if the roads are sprayed with salt, it is advisable to wash the car more frequently.

To correctly wash the vehicle, proceed as follows:

- remove the aerial from the roof to prevent damage to it if the car is washed in an automatic system;
- wash the body using a low pressure jet of water;
- wipe a sponge with a slightly soapy solution over the bodywork, frequently rinsing with the sponge;
- rinse well with water and dry with a jet of air or a chamois leather.

Dry the less visible parts, such as the door frames, bonnet and the headlight frames with special care, as in these areas water may stagnate more easily. The car should not be taken to a closed area immediately, but left outside 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. The vehicle should be washed in areas equipped for collecting and cleaning the liquid used in the washing process.

Glasses

To clean glasses, use specific window cleaner products. Also use clean cloths to avoid scratching the glass or damaging the transparency.

IMPORTANT Wipe the rear window inside 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 any electronic control unit. Have this operation performed at a specialised workshop.

IMPORTANT The washing should take place with the engine cold and the ignition key in the STOP position. After the washing operation, make sure that the various protections (e.g. rubber caps and guards) have not been removed or damaged.

Front headlights

IMPORTANT Never use aromatic substances (e.g.: petrol) or ketenes (e.g.: acetone) for cleaning front headlight plastic lens.

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INTERIORS

Regularly check that water is not trapped under the mats (due to water dripping off shoes, umbrellas, etc.), as this would cause oxidation of the sheet metal.



WARNING

Never use flammable products, such as petrol ether or rectified petrol to clean the car inside. The electrostatic charges which are generated by rubbing during the cleaning operation may cause a fire.



WARNING

Do not keep aerosol bottles in the vehicle: risk of bursting. Aerosol bottles must not be exposed to a temperature exceeding 50 °C. When the car is exposed to sunlight, inner temperature can greatly exceed this value.

SEATS AND FABRIC PARTS

Remove dust with a soft brush or a vacuum cleaner. It is advisable to use a moist brush on velvet upholstery.

Rub the seats with a sponge moistened with a solution of water and neutral detergent.

INTERIOR PLASTIC PARTS

It is advisable to clean interior parts with a moist cloth and a solution of water and mild soap. Use specific products for cleaning plastic, without solvents and specifically designed to prevent damage to the appearance and colour of the treated parts to remove grease and tough stains.

IMPORTANT Never use alcohol or petroleum to clean the instrument panel.

CLEANING SEAT PROTECTORS



WARNING

In order to clean/remove stains from the seat protectors, it is not advisable to use alcohol or alcohol based products (e.g. solvents).

TECHNICAL SPECIFICATIONS

IDENTIFICATION DATA

It is advisable to take note of the identification codes. The identification data stamped and shown on the data plates and their position are the following fig. 189:

- 1 Identification data plate.
- 2 Chassis marking.
- 3 Bodywork paint identification plate.
- 4 Engine marking.

IDENTIFICATION DATA PLATE fig. 190

The data plate is located on the left side of the boot floor and it bears the following identification data:

- B Type-approval number.
- C Vehicle type identification code.

- D Chassis manufacture progressive number.
- E Maximum allowed vehicle weight fully loaded.
- F Maximum allowed vehicle weight fully loaded with trailer.
- G Maximum allowed weight on first axle (front).
- H Maximum allowed weight on second axle (rear).
- I Engine type.
- L Bodywork version code.
- M Spare part number.
- N Smoke opacity index (for diesel engines).

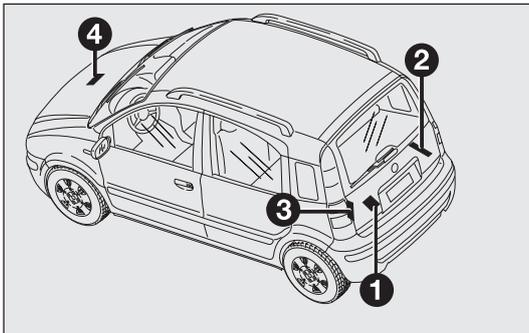


fig. 189

F0Z0219m

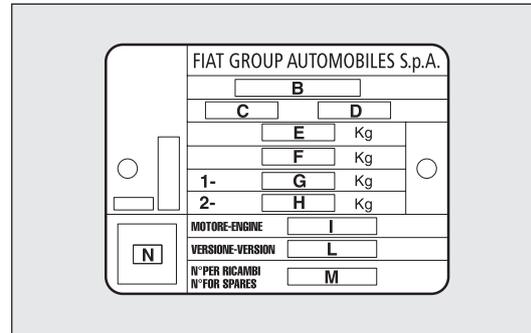


fig. 190

F0Z0702m

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BODYWORK PAINT IDENTIFICATION PLATE
fig. 191

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 Paint respray and touch-up code.

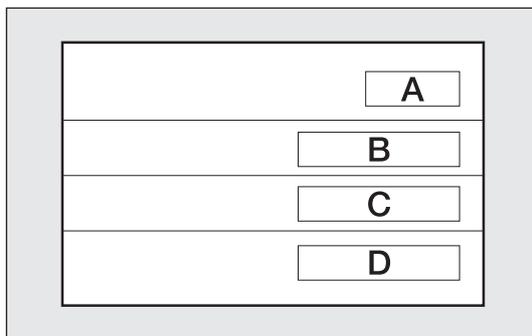


fig. 191

FOZ0114m

CHASSIS MARKING fig. 192

The plate is located on the right side of the boot floor and it bears the following identification data:

- vehicle type (ZFA 169000);
- the chassis progressive number.

ENGINE MARKING

Engine marking is stamped on the cylinder block and includes the model and the chassis progressive number.

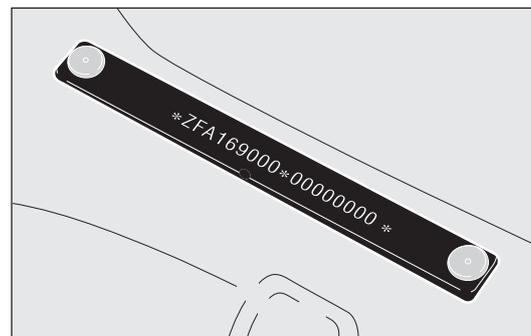


fig. 192

FOZ0220m

ENGINE CODE – BODYWORK VERSIONS

Versions	Engine type code	Bodywork version code	
		4 seat	5 seat
I.2	169A4000	169AXFIA 08 169AXFIA 08C (*) 169AXBIA 0BV (●) (*)	169AXFIA 08B 169AXFIA 08D (*) 169AXBIA 0BW (●) (*)
I.3 Multijet 75HP	169A5000	169AXGIA 10	169AXGIA 10B

(●) Euro 4.

(*) For versions/markets, where provided.

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75HP**

SAFETY

Type code

169A4000

169A5000

Cycle

Otto

Diesel

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Number and layout of cylinders

4 in line

4 in line

Piston bore and stroke

mm

70.8 × 78.86

69.6 × 82

Total displacement

cm³

1242

1248

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Compression ratio

11.1 : 1

16.8 : 1

Max power (EEC)

kW

51

55

HP

69

75

corresponding speed

rpm

5500

4000

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Max. torque (EEC)

Nm

102

145

kgm

10.4

14.8

corresponding speed

rpm

3000

1400

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Spark plugs

NGK ZKR7A-10

-

Fuel

Unleaded petrol 95 R.O.N.
(EN228 standard)Diesel fuel for motor vehicles
(EN590 standard)**TECHNICAL
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POWER SUPPLY

	I.2	I.3 Multijet 75HP
Fuel supply system	Multipoint electronic injection sequential, phased, returnless system	Common Rail Multijet direct injection with electronic control, turbo and intercooler



WARNING

Modifications or repairs to the fuel supply system that are not carried out properly or do not take the system technical specifications into account can cause malfunctions leading to the risk of fire.

TRANSMISSION

	I.2 – I.3 Multijet 75HP
Gearbox	Five forward gears plus reverse with synchronizers for forward gear engagement
Drive	Self-adjusting pedal without idle stroke
Clutch	Front

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BRAKES

I.2 – I.3 Multijet 75HP

Service brakes:

– front

disc (self-ventilating for I.3 Multijet 75HP engine)

– rear

drum, self-centering shoes with one control cylinder for each wheel

Parking brake

controlled by hand lever, working on rear brakes

IMPORTANT Water, ice and antifreeze salt sprinkled on the roads may deposit on the brake discs reducing braking efficiency the first time the brakes are applied.

SUSPENSIONS

I.2 – I.3 Multijet 75HP

Front

Mc Pherson independent wheels, mechanical cross member, shock absorbers and coil springs; anti-roll bar for versions with electric power steering.

Rear

torsion beam with interconnected wheels consisting of a torsion axle and two tubular arms with shock absorbers and coil springs.

STEERING

I.2 – I.3 Multijet 75HP

Type

rack and pinion with electric power steering (where provided)

Steering circle
(kerb to kerb)

m

9.1

WHEELS

WHEELS AND TYRES

Pressed steel or alloy rims. Tubeless radial carcass tyres. The vehicle registration document also lists all type-approved tyres.

IMPORTANT In the event of discrepancies between the information provided on this “Owner Handbook” and the “Vehicle registration document”, only the latter is valid.

For safe driving, the car must be fitted with tyres of the same make and type on all wheels.

IMPORTANT Do not use inner tubes in case of tubeless tyres.

SPACE-SAVER WHEEL

Pressed steel wheel. Tubeless tyre.

WHEEL GEOMETRY

Front wheel toe-in measured from rim to rim:
 0 ± 1 mm

The values refer to the car in running order.

UNDERSTANDING TYRE MARKING **fig. 193**

Example: 155/80 R 13 79T

155 = Nominal width (S, distance between sidewalls in mm).

80 = Height/width ratio (H/S) in percentage.

R = Radial tyre.

13 = Rim diameter in inches (\emptyset).

79 = Load rating (capacity).

T = 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.

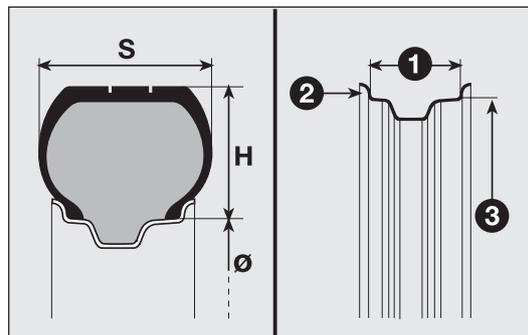


fig. 193

F0Z0111m

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Load rating (capacity)

70 = 335 kg	78 = 425 kg	86 = 530 kg
71 = 345 kg	79 = 437 kg	87 = 545 kg
72 = 355 kg	80 = 450 kg	88 = 560 kg
73 = 365 kg	81 = 462 kg	89 = 580 kg
74 = 375 kg	82 = 475 kg	90 = 600 kg
75 = 387 kg	83 = 487 kg	91 = 615 kg
76 = 400 kg	84 = 500 kg	
77 = 412 kg	85 = 515 kg	

UNDERSTANDING RIM MARKING fig. 193**Example: 5,00 B × 13 H2**

5,00 = rim width in inches 1.

B = rim drop centre outline (side projection where the tyre bead rests) 2.

13 = rim nominal diameter in inches (corresponds to diameter of the tyre to be mounted) 3 = Ø.

H2 = shape and number of humps (contour used for withholding tubeless tyre beads on the rim).

RIM PROTECTOR TYRES fig. 194**WARNING**

If after-sale tyres with rim protector are used (fig. 194) and the car has integral caps fixed (by springs) to the sheet wheel, DO NOT fit wheel caps. The use of unsuitable tyres and wheel caps could cause a sudden pressure loss of the tyre.



fig. 194

FOZ0821m

Version	Rims	Tyres standard	Tyres snow type	Tyre optional	Space-saving wheel	
					Rim	Tyre
I.2	5,00 B × 13 H2 (steel)	155/80 R13 79T	155/80 R13 79T M+S	165/65 R14 79T	4,50 B 13 H	S135/80 B13 82M 135/80 R13 82P
I.3 Multijet 75HP	5J × 14 H2 (alloy)	165/65 R14 79T	165/65 R14 79T M+S	155/80 R13 79T		

COLD TYRE INFLATION PRESSURE (bar)

When the tyres are warm, the inflation pressure should be +0.3 bar in relation to the recommended figure.

However, recheck that the value is correct with the tyre cold.

Versions	Tyres	Medium load		Full load		Space-saving wheel
		Front	Rear	Front	Rear	
I.2	155/80 R 13 79T 165/65 R 14 79T	2.0 2.0	1.8 1.8	2.2 2.2	2.2 2.2	2.8
I.3 Multijet 75HP	155/80 R 13 79T 165/65 R 14 79T	2.2 2.2	1.8 1.8	2.3 2.3	2.2 2.2	
Snow tyres	155/80 R 13 79T M+S 165/65 R 14 79T M+S	2.0 2.0	1.8 1.8	2.2 2.2	2.2 2.2	

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DIMENSIONS

Dimensions are expressed in mm and refer to the car equipped with its standard-supplied tyres.

Height is measured with car unladen.

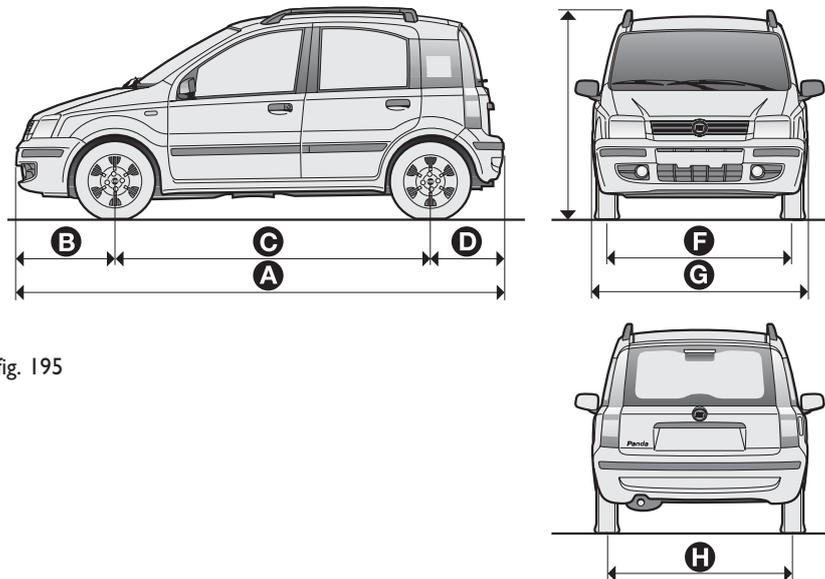


fig. 195

F0Z0703m

A	B	C	D	E	F	G	H
3538	713	2299	526	1578 (**)	1357 (*)	1578	1366 (*)

(*) Measurements may vary according to rim size.

(**) Without longitudinal bars 1540 mm

BOOT VOLUME

Unladen car capacity (V.D.A. standards) in dm³

	Rear seat one-piece and split	Rear seat sliding
Under parcel shelf with rear seat in standard position	206	176 (*)/235 (**)
At waist edge with rear seat backrest tilted	490	416
Max. to the roof with rear backrest tilted	860	786
Max. to roof with rear seat backrest tilted (in case of with sun roof)	815	741

(*) With seat fully back

(**) With seat fully forward

PERFORMANCE

Max. allowed speed after initial car use

Version	km/h
1.2	162
1.3 Multijet 75HP	165

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WEIGHTS

Weights (kg)

	1.2	1.3 Multijet 75HP
Unladen weight (with all fluids, fuel tank filled to 90% and without optional equipment):	860	935
Payload (*) including the driver:	445	445
Maximum allowed loads (**):		
– front axle:	730	750
– rear axle:	660	660
– total:	1305	1380
Towable loads:		
– braked trailer:	800	900
– non braked trailer:	400	400
Maximum load on the roof (***):	50	50
Maximum load on the ball joint (braked trailer):	60	60

(*) If special equipment is fitted (sun roof, tow hook, etc.) the unladen weight increases and consequently the payload will decrease, still complying with the maximum allowed loads.

(**) Loads not be exceeded. The user is responsible for arranging goods in the luggage compartment and/on load platform within the maximum permitted loads.

(***) Lineaccessori Fiat roof rack bars, max capacity: 50 kg.

CAPACITIES

		1.2	1.3 Multijet 75HP	Specified fuels and original products
Fuel tank: including a reserve of:	litres	35	35 (▲)	Unleaded petrol with no less than 95 R.O.N. (EN228 standard) (▲)Diesel fuel for motor vehicles (EN590 standard)
	litres	5	5 (▲)	
Engine cooling system:	litres	4.6	4.6	Mixture of 50% distilled water and PARAFLU^{UP} 50% (□)
Engine sump:	litres	2.5	2.8 (●)	SELENIA K P.E.
Engine sump and filter:	litres	2.8	3.0 (●)	(●) SELENIA WR P.E.
Gearbox/differential casing:	litres	1.65	1.65	TUTELA CAR TECHNIX
Hydraulic brake circuit:	kg	0.55	0.55	TUTELA TOP 4
Windscreen and rear window washer fluid reservoir:	litres	1.8	1.8	Mixture of water and TUTELA PROFESSIONAL SC35

(□) When the vehicle is used under particularly harsh climate conditions, we recommend using a mixture of 60% PARAFLU^{UP} and 40% demineralised water.

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Use	Quality specifications of fluids and lubricants for correct car operation	Fluids and lubricants genuine	Interval for replacement
Lubricants for petrol engines	SAE 5W-40 ACEA C3 grade synthetic base lubricant. FIAT 9.55535-S2 specifications	SELENIA K P.E. Contractual Technical Reference No. F603.C07	According to Scheduled Servicing Programme
Lubricants for diesel engines (1.3 Multijet 75HP)	SAE 5W-30 grade synthetic base lubricant. FIAT 9.55535-SI specifications	SELENIA WR P.E. Contractual Technical Reference No. F510.D07	According to Scheduled Servicing Programme

For diesel engines, in emergency situations where genuine products are unavailable, lubricants with at least ACEA C2 performance are allowed. However, engine optimum performance is not guaranteed. We recommend to have the products replaced with the appropriate genuine lubricants by the Fiat Dealership, as soon as possible.

The use of products with features lower than ACEA C3 and ACEA C2 could cause engine damage not covered by warranty.

Use	Quality specifications of fluids and lubricants for correct car operation	Fluids and lubricants original	Applications
Lubricants and greases for drive transmission system	Synthetic lubricant, SAE 75W-85 grade. FIAT 9.55550-MX3 specifications	TUTELA CAR TECHNIX Contractual Technical Reference no. F010.B05	Front mechanical gear-box and differentials
	Synthetic lubricant, SAE 75W-85 grade. FIAT 9.55550-DA4 specifications	TUTELA TRANSMISSION CROSS Contractual Technical Reference no. F804.D08	Rear differential 4x4 versions
	Molybdenum disulphide grease for high temperatures. Consistency NLGI 1-2 FIAT 9.55580 specifications	TUTELA ALL STAR Contractual Technical Reference no. F702.G07	Wheel side constant velocity joints
	Grease for constant-velocity joints with low friction coefficient. NL.Gl. 0-2 consistency FIAT 9.55580 specification.	TUTELA STAR 700 Contractual Technical Reference N° F701.C07	Differential side constant velocity joints
Brake and clutch fluid	Synthetic fluid for brake and clutch systems. It passes the specifications: FMVSS no. 116 DOT 4, ISO 4925, SAE J 1704. FIAT 9.55597 specifications	TUTELA TOP 4 Contractual Technical Reference no. F001.A93	Hydraulic brakes and hydraulic clutch controls
Protective agent for radiators	Red protective agent with antifreeze action, based on inhibited monoethylene glycol with organic formula. It passes CUNA NC 956-16, ASTM D 3306 specifications. FIAT 9.55523 specifications	PARAFLU^{UP} Contractual Technical Reference no. F101.M01	Cooling circuits Utilisation percentage: 50% water 50% PARAFLU ^{UP}
Fuel additive	Antifreeze additive for diesel fuel, protecting Diesel engines	TUTELA DIESEL ART Contractual Technical Reference no. F601.L06	To be mixed with diesel (25 cc per 10 litres)
Windscreen/rear screen washer fluid	Mixture of alcohol and surfactants CUNA NC 956-11. FIAT 9.55522 specifications	TUTELA PROFESSIONAL SC35 Contractual Technical Reference no. F201.D02	To be used undiluted or diluted in windscreen/rear window washer/wiper systems

IMPORTANT Do not use fluids with different specifications for topping-up or mixing

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FUEL CONSUMPTION

The fuel consumption figures given in the table below are determined on the basis of the homologation tests set down by relevant 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: drive simulating the driving of the car out of town with frequent acceleration in all gears; the speed varies from 0 to 120 km/h;
- combined consumption: the weighting is around 37% urban cycle and 63% extra-urban cycle.

IMPORTANT The type of route, traffic conditions, weather conditions, driving style, general condition of the car, trim level/equipment/accessories, use of the climate control system, vehicle load, presence of roof racks and other situations that adversely affect the aerodynamics or wind resistance lead to different fuel consumption figures than those measured.

Consumption according to the european directive in force (litres/100 km)

Versions	Urban	Extra urban	Combined
I.2	6,4	4,0	4,9
I.3 Multijet 75HP	5,2	3,6	4,2

CO₂ EMISSIONS

The CO₂ emission levels given in the following tables refer to combined consumption.

Versions

Versions	CO ₂ emissions according to the european directive in force (g/km)
I.2	113 / 110 (●) / 118 (■)
I.3 Multijet 75HP	109

(●) Euro 5, for versions/markets, where provided.

(■) Euro 4, for versions/markets, where provided.

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PRESCRIPTIONS FOR HANDLING THE VEHICLE AT THE END OF ITS LIFE

Fiat has been committed for many years to safeguarding the environment through the constant improvement of its production processes and manufacturing products that are increasingly compatible with nature.

To grant customers the best possible service in terms of respecting environmental laws and in response to European Directive 2000/53/EC governing vehicles at the end of their life, Fiat is offering all customers the opportunity of handing over their vehicle* at the end of its life without incurring any additional costs.

The European Directive sets out that when the vehicle is handed over the last keeper or owner should not incur any expenses as a result of its market value.

In particular, in almost all European Union countries, until 1st January 2007, vehicles registered after 1st July 2002 will be collected free of charge, whilst from 2007 collection will be free of charge irrespective of the year of registration as long as the vehicle contains its basic components (in particular, the engine and bodywork) and has no additional waste.

To hand your vehicle over at the end of its life without extra cost, contact a Fiat Dealership or authorised collection and scrapping centres.

These centres have been carefully chosen to offer high quality service for the collection, treatment and recycling of vehicles at their end of life, respecting the surrounding environment.

You can find further information on these collection and scrapping centres either from a Fiat and Fiat Commercial Vehicle Dealership or by calling the toll-free number 00800 3428 0000 or on the Fiat website.

(*) Vehicle for transporting passengers with a maximum of nine seats and a total permitted weight of 3.5 t

CONOSCENZA
DELLA
VETTURA

SICUREZZA

AVVIAMENTO
E GUIDA

SPIE E
MESSAGGI

IN EMERGENZA

MANUTENZIONE
E CURA

DATI TECNICI

INDICE

SELENIA®

In the heart of your engine.



Always ask your mechanic for **SELENIA®**

Oil change? The experts recommend Selenia

*The engine of your car is factory filled with **Selenia**. This is an engine oil range which satisfies the most advanced international specifications. Its superior technical characteristics allow **Selenia** to guarantee the **highest performance and protection of your engine**.*

The Selenia range includes a number of technologically advanced products:

SELENIA K PURE ENERGY

Synthetic lubricant designed for latest generation, low emission, petrol engines. Its specific formulation warrants the utmost protection also for high performance turbocharged engines with high thermal stress. Its low ash content helps to maintain the total cleanliness of modern catalysts.

SELENIA WR PURE ENERGY

Fully synthetic lubricant that can meet the requirements of the latest diesel engines. Low ash content to protect the particulate filter from the residual products of combustion. High Fuel Economy System that allows considerable fuel saving. It reduces the danger of dirtying the turbine to ensure the protection of increasingly high performance diesel engines

SELENIA MULTIPOWER

Particularly ideal for the protection of new generation petrol engines, very effective even in the most severe weather conditions. It guarantees a reduction in fuel consumption (Energy conserving) and it is also ideal for alternative engines.

SELENIA SPORT

Fully synthetic lubricant capable of meeting the needs of high performance engines. Studied to protect the engine also in high thermal stress conditions, it prevents deposits on the turbine to achieve the utmost performance in total safety.

The range also includes Selenia StAR Pure Energy, Selenia Racing, Selenia K, Selenia WR, Selenia 20K, Selenia 20K AR. For further information on Selenia products visit the web site www.selenia.com.





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KNOW
YOUR VEHICLE

SAFETY

CORRECT USE
OF THE CAR

WARNING LIGHTS
AND MESSAGES

IN
AN EMERGENCY

CAR
MAINTENANCE

TECHNICAL
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