

F I A T 5 0 0



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

WHY CHOOSING GENUINE PARTS

We really know your car because we invented, designed and built it: we really know every single detail.

At **Fiat Service authorised workshops** you can find technicians directly trained by us, offering quality and professionalism for all service operations.

Fiat workshops are always close to you for the regular servicing operations, season checks and practical recommendations by our experts.

With Fiat Genuine Parts you keep the reliability, comfort and performance features of your new car unchanged in time: that's why you bought it for.

Always ask for Genuine Parts for the components used on our cars; we recommend them because they come from our steady commitment in research and development of highly innovative technologies.

For all these reasons: **rely on Genuine Parts, because they are the only ones designed by Fiat for your car.**

SAFETY:
BRAKING SYSTEM

**ENVIRONMENT: PARTICULATE FILTERS,
CLIMATE CONTROL MAINTENANCE**

**COMFORT: SUSPENSION
AND WINDSCREEN WIPERS**

**PERFORMANCE: SPARK PLUGS,
INJECTORS AND BATTERIES**

**LINEACCESSORI
ROOF RACK BARS, WHEEL RIMS**

**CHOOSING GENUINE PARTS
IS THE MOST NATURAL CHOICE**



HOW TO RECOGNISE GENUINE PARTS

To recognise a **Genuine Part**, check **that the component bears our brands**, always clearly visible on Genuine Parts, from the braking system to windscreen wipers, from shock absorbers to pollen filter.

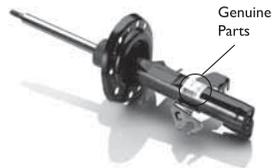
All **Genuine Parts** undergo **strict controls**, both during design and manufacturing stages, by specialists using **vanguard materials**, to **test the component reliability**.

This to guarantee **performance** and **safety** for you and your passengers on board, for a long time.

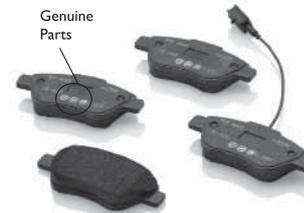
Always ask for and make sure a **Genuine Part** has been used.



Pollen filter



Shock absorber



Brake pads

Dear customer,

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

We have written this handbook to help you get to know all the features of your car and use it in the best possible way. You are recommended to read it right through before taking to the road for the first time. You will find information, tips and important warnings regarding driving your vehicle to help you get the most from your Fiat 's technological features.

Read the warnings and indications, marked with the following symbols:



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 reading. Happy motoring!

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

VERY IMPORTANT

REFUELLING



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

The use of petrol that does not conform to the above-mentioned specification will cause the EOBD warning light to come on and the irregular operation of the engine.

Diesel engines: only refuel with diesel fuel conforming to the European Standard EN590. The use of other products or mixtures may damage the engine beyond repair and consequently invalidate the warranty.

STARTING THE ENGINE



Make sure that the handbrake is engaged; place the gear lever in neutral. Fully depress the clutch pedal, without pressing the accelerator; then turn the ignition key to the MAR-ON position and wait for the  and  warning lights to switch off (diesel versions); turn the ignition key to the AVV position and release it as soon as the engine starts.

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 related to emissions to ensure increased 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 it 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 maintenance of the car is essential for ensuring that it maintains its performance and its safety features, its environmental friendliness and low running costs for a long time to come.

THE OWNER MANUAL CONTAINS...



... important information, advice and warnings for correct use, driving safety and maintenance of your car over time. Special attention must be paid to the symbols provided  (personal safety)  (environmental protection)  (car safety).

GETTING TO KNOW YOUR CAR

DASHBOARD

The presence and position of the controls, instruments and indicators may vary according to the different versions.

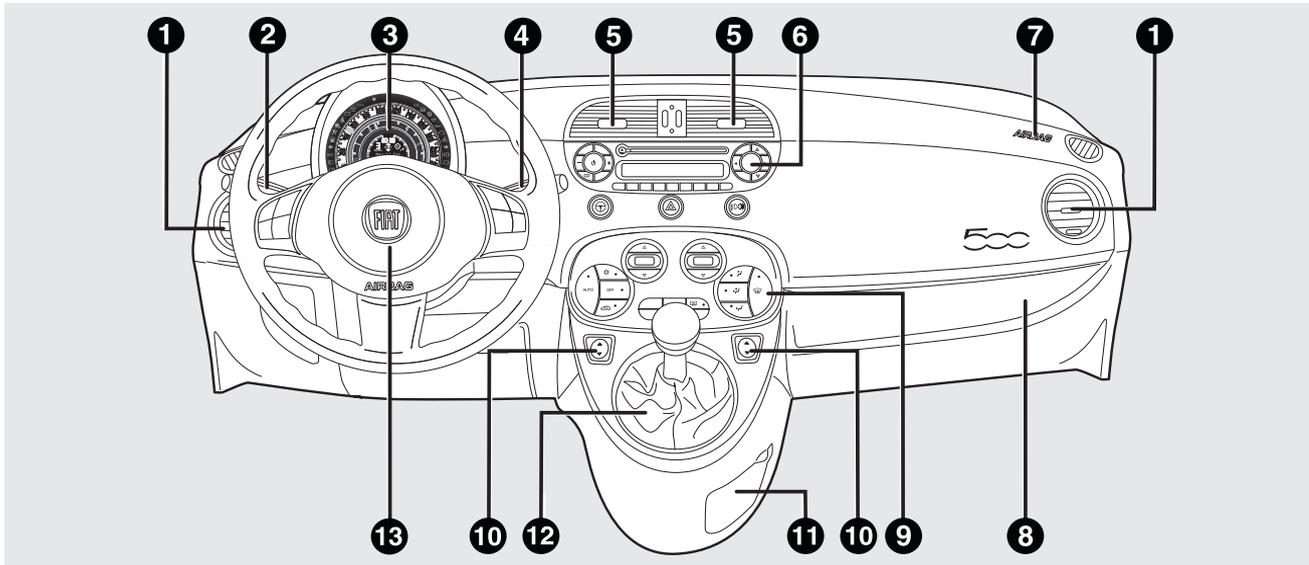


fig. 1
1. Side air vent – 2. Left stalk: external light control – 3. Instrument panel and warning lights – 4. Right stalk: windscreen wiper controls, rear window wiper, trip computer – 5. Centre air vents – 6. Oddments compartment/radio console – 7. Passenger airbag – 8. Oddments compartment/hidden document holder – 9. Heating/ventilation/climate control system controls – 10. Electric window controls – 11. Glove compartment – 12. Gear lever – 13. Driver's air bag

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SYMBOLS

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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 inner surface of the engine bonnet includes a label with the different symbols used.

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THE FIAT CODE SYSTEM

This is an electronic engine locking system which increases protection against attempted thefts of the car. It is automatically activated when the ignition key is removed.

Each time the vehicle is started by turning the ignition key to MAR-ON, the Fiat CODE system control unit sends a recognition code to the engine control unit to deactivate the immobiliser.

If, during starting, the code is not correctly recognised, a warning light  comes on in the instrument panel. In this case, turn the key to STOP and then to MAR-ON; if it is still locked, try again with the other keys that come with the vehicle. Contact a Fiat Dealership if you still cannot start the engine.

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

Warning light switching on while driving

If the warning light  switches on, this means that the system is running a self-diagnosis (for example for a voltage drop). Should the fault persist, contact a Fiat Dealership.

THE KEYS

CODE CARD

(for versions/markets, where provided)

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

A fig. 2 the electronic code;

B fig. 2 the mechanical key code to be given to the Fiat Dealership when ordering duplicate keys.

You should have the electronic code A with you at all times.

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

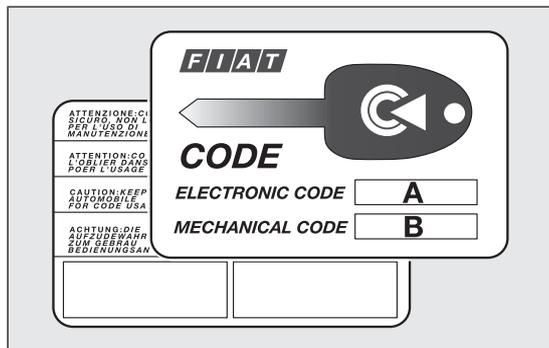


fig. 2

F0S0002



The electronic components inside the key may be damaged if the key is subjected to strong shocks. In order to ensure complete efficiency of the electronic devices inside the keys, they should never be exposed to direct sunlight.

KEY WITHOUT REMOTE CONTROL

The metal insert A fig. 3 operates:

- the ignition switch;
- the door locks and the tailgate (for versions/markets where provided);
- the locking/unlocking of the fuel cap.

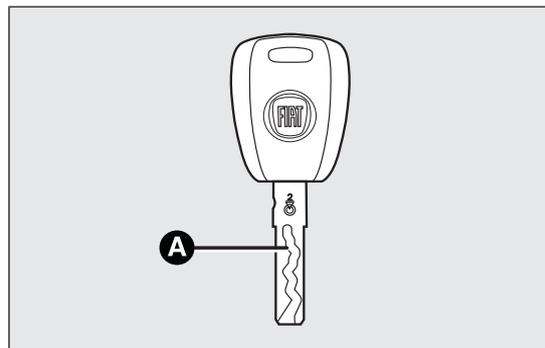


fig. 3

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KEY WITH REMOTE CONTROL

(for versions/markets, where provided)

The metal insert A fig. 4 operates:

- the ignition switch;
- the door locks;
- the locking/unlocking of the fuel cap.

Press button B fig. 4 to open/close the metal insert.

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).

The doors are unlocked automatically if the fuel cut-off system intervenes.

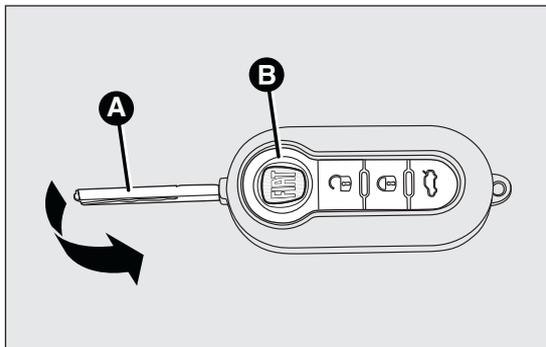


fig. 4

F0S0004

Locking the doors and the tailgate

Briefly press button  : for remote locking of doors and tailgate, switching-off of the internal roof lights and single flashing of direction indicators (*).

If one or more doors are open, the doors will not be locked. This is indicated by a rapid flashing of the direction indicators (*). If the boot is open, the doors will, however, be locked. When a speed of over 20 km/h is reached, the doors will be automatically locked if this specific function was set (*).

(*): For versions/markets, where provided

Opening the tailgate by the remote control

Press button  to release (open) the tailgate remotely.

The tailgate opening is indicated by double flashing of direction indicators.

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.

REPLACING REMOTE CONTROL BATTERY

To replace the battery, proceed as follows:

- ❑ press button A fig. 5 and open the metal insert B fig. 5;
- ❑ turn the screw C fig. 5 to  using a fine bit screwdriver;
- ❑ take out the battery case D fig. 5 and replace the battery E fig. 5 making sure that polarities are correct;
- ❑ refit the battery case D inside the key and lock it turning the screw C to .

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

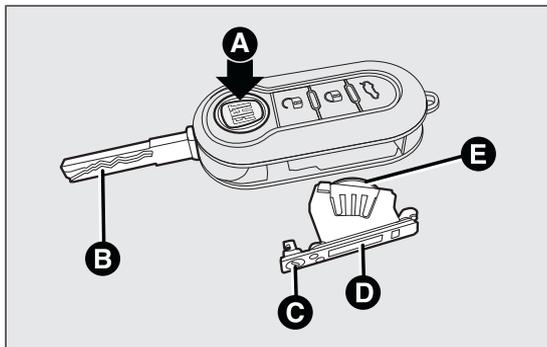


fig. 5

F0S0005

REPLACING THE REMOTE CONTROL COVER

Proceed as shown in fig. 6 and fig. 7 to replace the remote control cover.

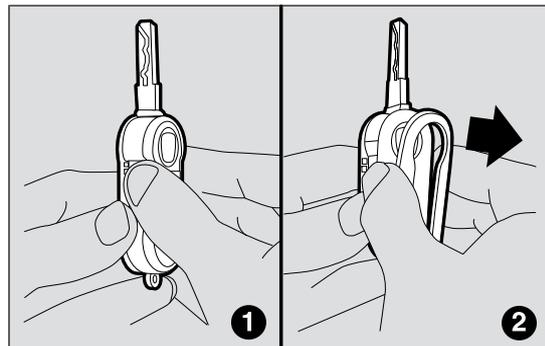


fig. 6

F0S0352

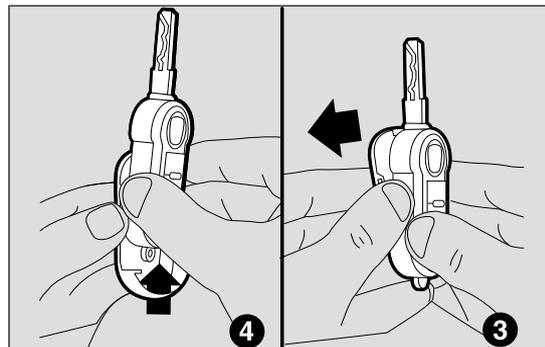


fig. 7

F0S0353

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IGNITION DEVICE

The key can be turned to 3 different positions fig. 8:

- STOP: engine off, key can be removed, steering column locked. Some electrical devices (e.g. sound system, central door locking system, etc.) can operate;
- MAR-ON: driving position. All electrical devices are enabled;
- AVV: engine start-up.

The ignition switch is fitted with a safety system that requires the ignition key to be turned back to STOP if the engine does not start, before the starting operation can be repeated.

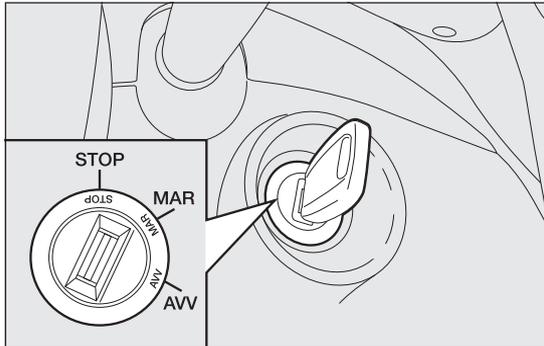


fig. 8

F0S0006

STEERING LOCK

Engagement: when the key is in position STOP, remove the key and turn the steering wheel until it is locked.

Disengagement: move the steering wheel slightly as you turn the ignition key to MAR-ON.



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

CONTROL PANEL AND INSTRUMENTS

The instrument background colour and type may vary according to the versions. Diesel versions have a rev counter with 6 rpm x 1000 full scale.

The warning lights  and  are only present on Diesel versions.

The warning light  or  is available only on versions with Dualogic gearbox (see “Dualogic” supplement).

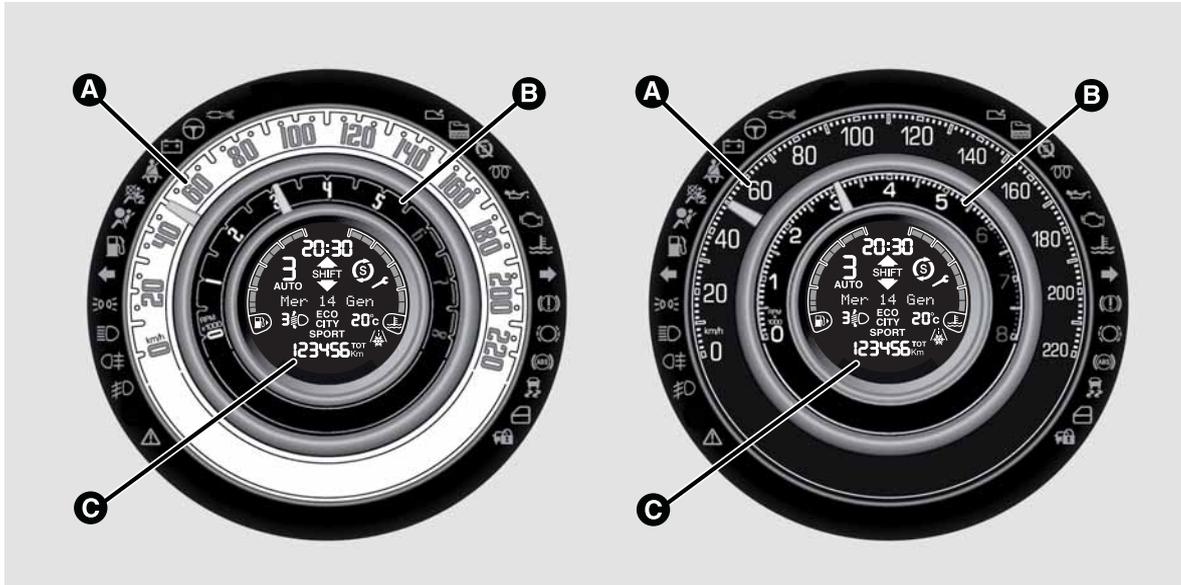


fig. 9

A. Speedometer (speed indicator) B. Rev counter C. Multifunction display with digital fuel level indicator and digital indicator of engine coolant temperature.

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SPEEDOMETER (SPEED INDICATOR)

The indicator A fig. 10-fig. 11 shows the car speed (speedometer).

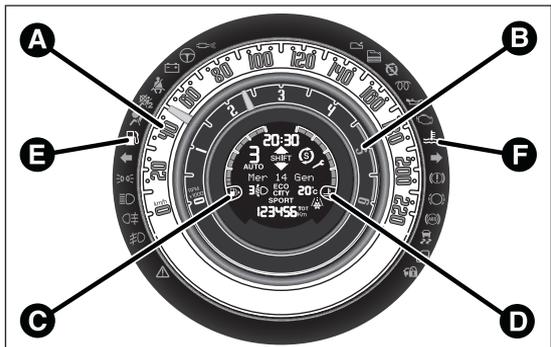


fig. 10

F0S0392

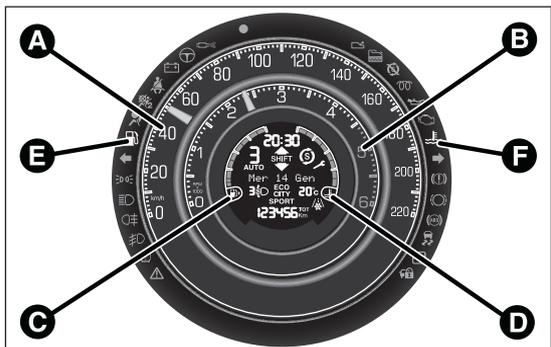


fig. 11

F0S0403

REV COUNTER

The indicator B fig. 10-fig. 11 shows the engine revs. Full scale 8 rpm x 1000: petrol versions. Full scale 6 rpm x 1000: diesel versions.

DIGITAL FUEL LEVEL INDICATOR

The digital gauge C fig. 10 - fig. 11 shows the amount of fuel in the tank.

The warning light E  fig. 10 - fig. 11 switches 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 catalyst.

ENGINE COOLANT TEMPERATURE INDICATOR

The digital indicator D fig. 10-fig. 11 shows the temperature of the engine coolant and starts supplying indications when the coolant temperature exceeds 50°C.

The first segment is always on to show the correct operation of the system.

The warning light F  fig. 10 - fig. 11 may switch on (together with a message on the multifunction display) to indicate that the coolant temperature is too high; in this case, stop the engine and contact a Fiat Dealership.

MULTIFUNCTION DISPLAY

The car may be equipped with a multifunction display that, according to previous settings, will show useful driving information.

GEAR SHIFT INDICATOR

(for versions/markets, where provided)



Shift up



Shift down

On vehicles with a manual gearbox, the gear shift indicator suggests gear changes to the driver (SHIFT UP or SHIFT DOWN) via a special display on the control panel. This suggestion to change gear is designed to improve consumption and ensure the best driving style.

Note The indication in the instrument panel remains on until the driver shifts gear or the driving conditions go back to a situation where gearshifting is not required to improve consumption.

CONTROL BUTTONS

+ To scroll through the screen and the related options upwards or to increase the value displayed fig. 12.

MENU  Press briefly to access the menu and/or go to next screen or to confirm the required menu option. Hold down to go back to the standard screen.

- To scroll through the screen and the options downwards or to decrease the value displayed.

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

- within the menu, they allow you to scroll up and down through the options;
- during settings operations, they increase or decrease values.

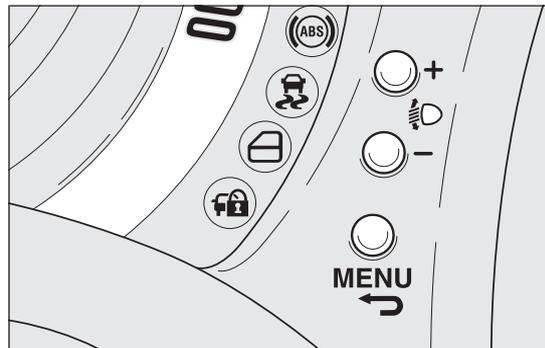


fig. 12

F0S0383

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Note When one of the front doors is opened, the display is activated showing the time and km/mileage (for markets/versions, where provided) for a few seconds.

MULTIFUNCTION DISPLAY “STANDARD” SCREEN

The standard screen fig. 13 shows the following information:

- 1 Odometer (display of distance travelled in kilometres/miles)
- 2 SPORT driving mode indication (0.9 TwinAir 105 HP versions)
ECO driving mode indication (0.9 TwinAir 85 HP versions)
- 3 Headlamp alignment position (only with dipped headlamps on)
- 4 Digital fuel level indicator

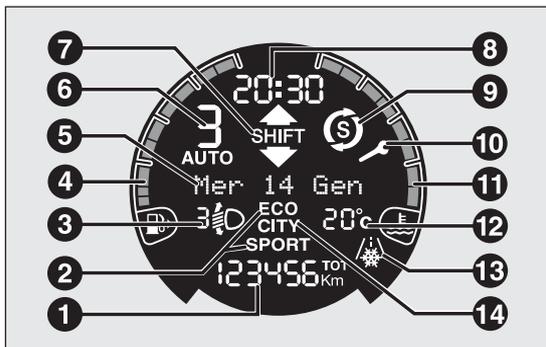


fig. 13

F0S0393

- 5 Date
- 6 Gear engaged indication (Duallogic versions)
- 7 Gear Shift Indicator
- 8 Time
- 9 Start&Stop (for versions/markets, where provided)
- 10 Car service indicator
- 11 Digital engine coolant temperature gauge
- 12 External temperature indicator
- 13 Possible ice on the road indication
- 14 Dualdrive electric steering engagement

SETUP MENU

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 (Clock and Unit of measurement).

The setup menu can be activated by pressing the MENU button  briefly. Single presses on buttons + or – will scroll through the setup menu options. Operating modes are different according to the characteristics of the option selected.

The menu includes the following functions:

- LIGHTING
- SPEED BEEP
- TRIP B DATA

- SET TIME
- SET DATE
- SEE RADIO
- AUTOCLOSE
- MEASUREMENT UNIT
- LANGUAGE
- BUZZER VOLUME
- BUTTON VOLUME
- BELT BUZZER
- SERVICE
- PASSENGER AIRBAG
- DAYTIME RUNNING LIGHTS
- EXIT MENU

Selecting an option from the main menu without a submenu:

- briefly press the MENU button  to select the main menu option to be set;
- press buttons + or – (with single presses) to select the new setting;
- briefly press the MENU button  to store the new setting and to go back to the same main menu option selected previously.

Selecting an option from the main menu with a submenu:

- briefly press the MENU button  to display the first submenu option;

- press buttons + or – (with single presses) to scroll through all the submenu options;
- briefly press the MENU button  to select the displayed submenu option and to open the relevant setup menu;
- press buttons + or – (with single presses) to select the new setting for this submenu option;
- a short press on MENU button  will store the setting and then return to the same submenu option that was first selected.

MENU FUNCTIONS

Passenger compartment light adjustment

The instrument panel with reconfigurable multifunction display is provided with a light sensor capable of detecting environmental light conditions and adjusting the brightness of the instruments accordingly.

The brightness of the instrument panel may therefore change while travelling following an event causing a switch from “day” to “night” conditions (or vice versa) in the passenger compartment (e.g. in a tunnel, on avenues in shadows, under flyovers, etc.).

This function is available, with the dipped headlamps on and in night-time conditions, to adjust the brightness of the instrument panel, buttons, sound system display and automatic climate control display.

For versions/markets, where provided, during the daytime, and with the dipped headlamps on, the instrument panel, buttons and sound system and automatic climate control displays are set to maximum brightness.

To adjust the light intensity, proceed as follows:

- press the MENU button  briefly to make the display flash the previously stored level;
- press button + or – to adjust the brightness level;
- press the MENU button  briefly to return to the menu screen or hold the button down to return to the standard screen without storing.

Speed Beep (Speed limit)

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 section “Warning lights and messages”).

To set the desired speed limit, proceed as follows:

- briefly press the MENU button  : the display will show the words (Speed Beep);
- press button + or – to select speed limit activation (On) or deactivation (Off);
- if the function is on, press + or – to select the required speed limit and then press MENU  to confirm.

Note Setting is possible between 30 and 200 km/h, or 20 and 125 mph, according to the previously set unit. See the "Measurement unit adjustment (Measurement unit)" paragraph described below. The setting will increase/decrease by five units each time button +/- is pressed. Hold down the button +/- to increase/decrease the setting rapidly. Complete the setting by briefly pressing the button when you approach the required value.

- press the MENU button  briefly to return to the menu screen or hold the button down to return to the standard screen without storing.

To cancel the setting, proceed as follows:

- press the MENU button  briefly to make the display flash (On);
- press button – : (Off) will flash on the display;
- press the MENU button  briefly to return to the menu screen or hold the button down to return to the standard screen without storing.

Trip B data (Activating Trip B)

With this function is possible to turn the Trip B display (trip meter) on and off.

For further information see “Trip computer”.

Proceed as follows to switch the function on and off:

- press the MENU button  briefly, the display will flash On or Off depending on the previous setting;

- press button + or – to set;
- press the MENU button  briefly to return to the menu screen or hold the button down to return to the standard screen without storing.

Time adjustment (Clock adjustment)

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

To carry out the adjustment, proceed as follows:

- briefly press the MENU button  : the display will show the two submenus “Time” and “Mode”;
- press the button + or – to switch between the two submenus;
- once you have selected a submenu, press the MENU button  briefly;
- when you select the “Time” submenu, pressing the MENU button  briefly makes the "hours" flash on the display;
- press + or – to set the value;
- briefly press the MENU button  : “minutes” will flash on the display;
- press + or – to set the value.

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

- when you select “Mode”, pressing the MENU button  makes the mode flash on the display;
- press button + or – to select “24h” or “12h mode”. When you have made the adjustment, press the MENU button  briefly to return to the submenu screen or hold the button down to return to the main menu screen without storing.
- hold the MENU button  down again to return to the standard screen or to the main menu according to where you are in the menu.

Set date (Setting the date)

Using this function it is possible to update the date (day - month - year).

Proceed as follows to update:

- briefly press the MENU button  : “year” will flash on the display;
- press + or – to set the value;
- briefly press the MENU button  : "month" will flash on the display;
- press + or – to set the value;
- briefly press the MENU button  : “day” will flash on the display;
- press + or – to set the value;

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

- press the MENU button  briefly to return to the menu screen or hold the button down to return to the standard screen without storing.

See radio (audio information display)

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 CDs: track number.

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

- briefly press the MENU button , making the display flash On or Off depending on the previous setting;
- press button + or – to set;
- press the MENU button  briefly to return to the menu screen or hold the button down to return to the standard screen without storing.

Autoclose (automatic central locking with the car in motion - where provided)

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

Proceed as follows to activate or deactivate this function:

- press the MENU button  briefly to display a submenu;
- press the MENU button  briefly to make the display flash On or Off according to the previous setting;
- press button + or – to set;
- press the MENU button  briefly to return to the submenu screen or hold the button down to return to the main menu screen without saving;
- hold the MENU button  down again to return to the standard screen or to the main menu according to where you are in the menu.

Unit of measurement (Setting the unit of measurement)

With this function it is possible to set the measurement units through two submenus: “Distance” and “Consumption”.

To set the required unit proceed as follows:

- briefly press the MENU button  : the display will show the two submenus;

- press the button + or – to switch between the two submenus;
- once you have selected a submenu, press the MENU button \Rightarrow briefly;
- when you select “Distances”, briefly pressing the MENU button \Rightarrow makes the display show "km" or "mi" depending on the previous setting;
- press button + or – to set;
- when you select “Consumption”, briefly pressing the MENU button \Rightarrow makes km/l, l/100km or mpg appear on the display depending on the previous setting;

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

If the set distance unit is “mi” the fuel consumption unit will be displayed in “mpg”.

- press the button + or – to select.

When you have made the adjustment, press the MENU button \Rightarrow briefly to return to the submenu screen or hold the button down to return to the main menu screen without storing.

- hold the MENU button \Rightarrow down again to return to the standard screen or to the main menu according to where you are in the menu.

Language (Language selection)

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

To set the desired language, proceed as follows:

- briefly press the MENU button \Rightarrow : the previously set “language” will flash on the display;
- press button + or – to set;
- press the MENU button \Rightarrow briefly to return to the menu screen or hold the button down to return to the standard screen without storing.

Warnings volume (Adjusting the alert/warning acoustic signal 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 MENU button \Rightarrow : the previously set volume level will flash on the display;
- press + or – to set the value;
- press the MENU button \Rightarrow briefly to return to the menu screen or hold the button down to return to the standard screen without storing.

Button volume (Adjusting the button volume)

This function may be used to adjust (to 8 levels) the volume of the noise made when the MENU button \Rightarrow , + and – . buttons are pressed.

To set the desired volume, proceed as follows:

- briefly press the MENU button \Rightarrow : the previously set volume level will flash on the display;

- press **+** or **-** to set the value;
- press the MENU button **↵** briefly to return to the menu screen or hold the button down to return to the standard screen without storing.

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

This function can only be displayed after a Fiat Dealership has deactivated the SBR system (see "SBR system" in the "Safety" section).

Service (Scheduled servicing)

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

To consult this display, proceed as follows:

- briefly press the MENU button **↵** , which makes the display show the service interval in km or mi according to the previous setting (see "Distance units of measurement" paragraph);
- press the MENU button **↵** briefly to return to the menu screen or hold it down to return to the standard screen.

Note The "Scheduled Servicing Plan" requires the vehicle to be serviced every 30,000 km (or 18,000 miles). This is automatically displayed, when the ignition key is turned to MAR, from 2,000 km (or the equivalent in miles) and reappears every 200 km (or the equivalent in miles). Below 200 km servicing indications are more frequent. The display will be in kilometres or miles depending on the measurement unit settings. When the next scheduled service is approaching and the key is turned to MAR, the word Service will appear on the display, followed by the number of kilometres or miles left. Go to a Fiat Dealership, where the "Scheduled Servicing Plan" operations will be performed and the message will be reset.

Passenger air bag (Activation/deactivation of passenger-side front air bag and side bag to protect chest/pelvis area)

(*) For versions/markets where provided

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

Proceed as follows:

- press the MENU button **↵** and then, after displaying the message "Bag pass: Off" (to deactivate) or "Bag pass: On" (to activate) by means of buttons **+** and **-** press the MENU button **↵** again;
- the confirmation message will appear on the display;

- press buttons + or – to select (Yes) (confirming activation/deactivation) or (No) (to abort);
- press the MENU button  briefly, a message confirming the selection will be displayed and you will return to the menu screen or hold the button down to return to the standard screen without storing.

Daytime Running Lights (DRL)

With this function is possible to turn the day lights on and off.

Proceed as follows to activate or deactivate this function:

- press the MENU button  briefly to display a submenu;
- press the MENU button  briefly to make the display flash On or Off according to the previous setting;
- press button + or – to set;
- press the MENU button  briefly to return to the submenu screen or hold the button down to return to the main menu screen without saving;
- hold the MENU button  down again to return to the standard screen or to the main menu according to where you are in the menu.

Exit menu

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

Pressing the MENU button  briefly will return the display to the standard screen without storing.

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

TRIP COMPUTER

General information

The Trip computer is used to display information on car operation when the key is turned to MAR.

This function is composed of separate trips, called "Trip A" and "Trip B" which can monitor the entire mission (journey) in a reciprocally independent manner.

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

"Trip A" is used to display the figures relating to:

- Range
- Distance travelled
- Average consumption
- Current consumption
- Average speed
- Trip time (driving time).

"Trip B" may be used to display the figures relating to:

- Distance travelled B
- Average consumption B
- Average speed B
- Trip time B (driving time).

Note The "Trip B" function may be disabled (see "Activating Trip B"). "Range" and "Instant consumption" parameters cannot be reset.

Values displayed

Range

This value shows the distance that the car can still cover before needing fuel, assuming that driving style is unvaried. "- - -" will appear on the display in the following cases:

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

IMPORTANT The range can be affected by several factors: driving style (see "Driving style" paragraph in the "Starting and driving" chapter), type of route (motorway, towns and cities, mountain roads, etc.), conditions of use (load, tyre pressures, etc.). Trip planning must therefore take the above into account.

Distance travelled

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

Average consumption

This value shows the approximate average fuel consumption from the start of the new journey.

Current consumption

This value shows the fuel consumption. The value is constantly updated. The display will show "- - -" if the car is parked with the engine running.

Average speed

This value shows the car's average speed based on the overall time elapsed since the start of the new journey.

Journey time

Time elapsed since the start of the new journey.

TRIP control button

The TRIP button is located on the right hand stalk fig. 14. With the ignition key turned to MAR-ON, this button allows you to view the previously described parameters and also reset them to begin a new mission:

- brief press to access the various parameter displays;
- long press to reset and then start a new mission.

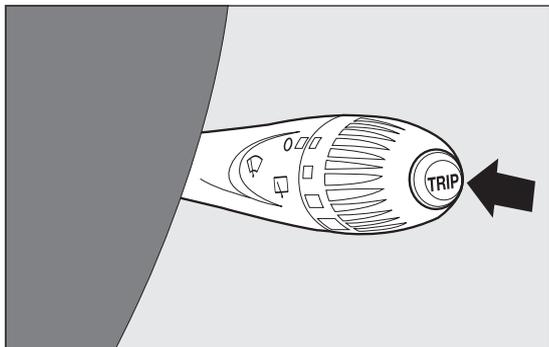


fig. 14

F0S0090

New mission

It begins after a reset:

- “manual” resetting by the user, by pressing the relevant button;
- “automatic” resetting, when the “Trip distance” reaches 9999.9 km or when the “Travel time” reaches 99:59 (99 hours and 59 minutes);
- disconnection/reconnection of the battery.

IMPORTANT The reset operation when “Trip A” or “Trip B” details are being displayed resets the information associated with the function displayed.

Start of journey procedure

With the ignition key in the MAR-ON position, reset by pressing the TRIP button and keeping it pressed for more than 2 seconds.

Exit Trip

You can automatically exit the TRIP function once all the values have been displayed or by holding the MENU button  down for more than 1 second.

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WARNING

All adjustments must be made with the car stationary.

LENGTHWISE DIRECTION ADJUSTMENT

Lift the lever A fig. 15 and push the seat forwards or backwards: in the driving position your arms should rest on the rim of the steering wheel.

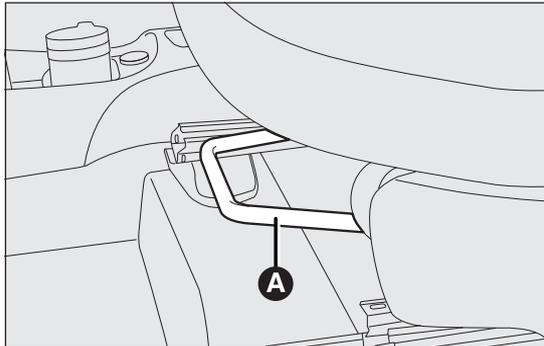


fig. 15

F0S0013



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.

ADJUSTING BACKREST INCLINATION

Turn knob B fig. 16.

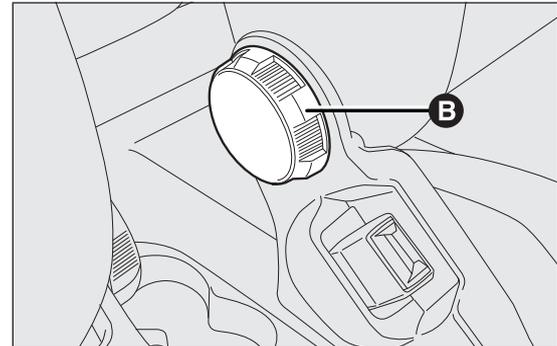


fig. 16

F0S0014

HEIGHT ADJUSTMENT

(for versions/markets, where provided)

Operate lever C fig. 17 to lift or lower the rear part of the cushion to achieve the most comfortable driving position.

BACKREST FOLDING

To fold the backrest over, adjust lever D fig. 18 (movement 1) and push the backrest forwards until it locks (movement 2); release lever D and, pushing the backrest, slide the seat forwards (movement 3).

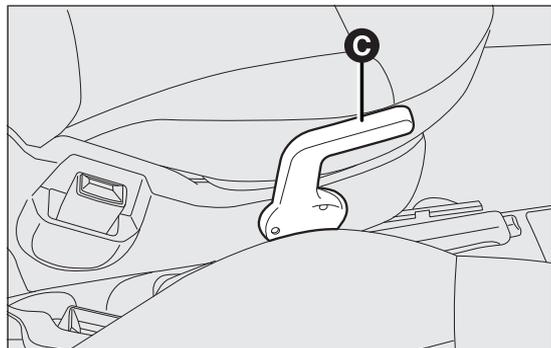


fig. 17

F0S0015

DRIVER AND PASSENGER SIDES WITH POSITION MEMORY

(for versions/markets, where provided)

To restore the seat to its original position, slide the seat backwards pushing the backrest until the seat locks (movement 4), adjust lever D fig. 18 (movement 5) and raise the backrest (movement 6) until the locking can be heard.

IMPORTANT Using lever D fig. 18 before locking the seat in its original position will cause the initial seat position to be lost. In this case the position of the seat must be restored through lengthwise adjustment A fig. 15.

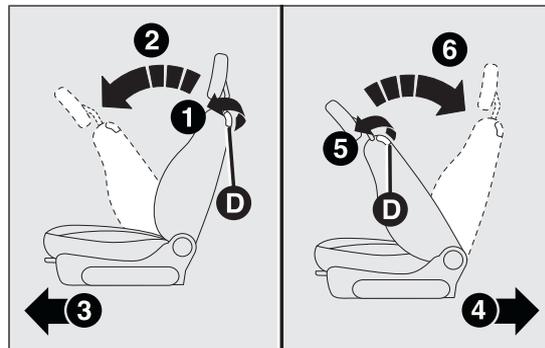


fig. 18

F0S0154

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PASSENGER SIDE WITHOUT POSITION MEMORY

To restore the seat to its original position, slide the seat backwards pushing the backrest until the desired position is reached (movement 4), adjust lever D fig. 18 (movement 5) and raise the backrest (movement 6) until the locking can be heard.

The type of reattachment manoeuvre has been chosen to guarantee the safety of the occupant. If an obstacle is present (e.g. a bag) and the seat cannot be returned to its original position, the mechanism reattaches the seat only positioning the backrest to ensure that the guides are always locked.

REAR SEATS

BACKREST RELEASE

For versions with joint seat, lift levers A fig. 19 and B fig. 19 and guide the backrest onto the cushion.

For versions with split seat, lift lever A or B to release respectively the left or right part of the backrest and guide the backrest onto the cushion.

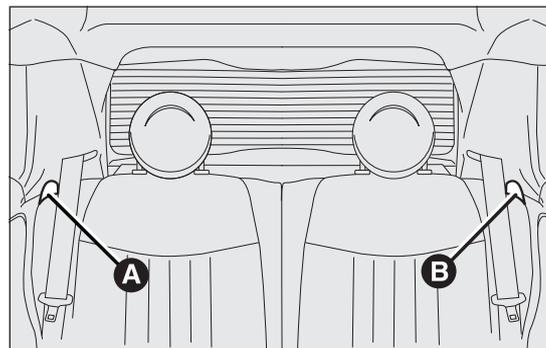


fig. 19

F0S0017

HEAD RESTRAINTS

FRONT

Head restraints are height-adjustable; to adjust them operate as follows.

Upwards adjustment: lift the head restraint until it locks.

Downwards adjustment: press the button A fig. 20 and lower the head restraint.



WARNING

All adjustments must be carried out only with the vehicle stationary and engine off. Head restraints must be adjusted so that the head, rather than the neck, rests on them. Only in this case can they protect your head correctly.

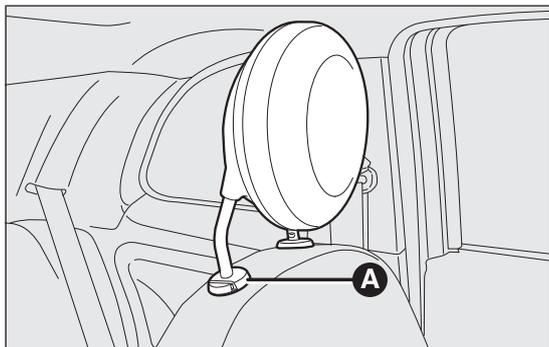


fig. 20

F0S0033



WARNING

To make the best use of the head restraint protective action, adjust the backrest so that you are setting upright and keep your head as close as possible to the head restraint.

REAR

(for versions/markets, where provided)

To extract the rear head restraints press buttons B fig. 21 and C fig. 21 at the side of the two supports simultaneously and upwards. The rear head restraints must be lifted out with the backrest released and tilted toward the passenger compartment or with the tailgate open. To bring the head restraint to the correct position, lift it until you hear it click.

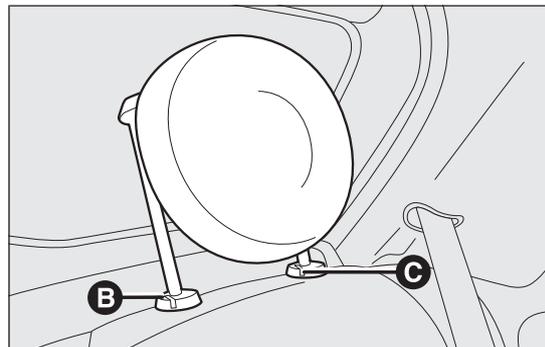


fig. 21

F0S0034

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To lower the head restraint press button B. The particular head restraint shape deliberately interferes with the passenger correctly supporting their back on the backrest in order to force them 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.

STEERING WHEEL ADJUSTMENT

(for versions/markets, where provided)

The steering wheel can be adjusted vertically.

To adjust, move lever A fig. 22 downwards to position 2, then adjust the steering wheel to the most suitable position and lock it by moving lever A to position 1.



WARNING

All adjustments must be carried out only with the vehicle stationary and engine off.

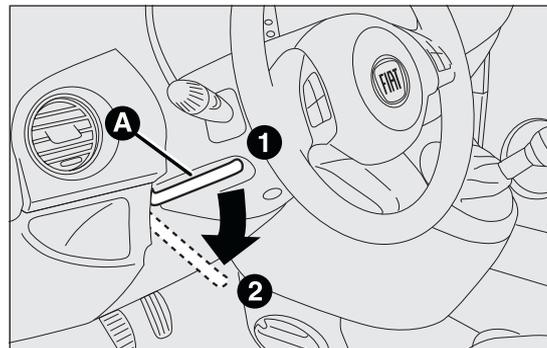


fig. 22

F0S0018

INTERIOR REAR VIEW MIRROR

The mirror is fitted with a safety device that causes its release in the event of a violent impact with the passenger. Lever A fig. 23 can be used to move the mirror to two different positions: normal or antiglare.

ELECTROCHROMIC INTERIOR MIRROR (for versions/markets, where provided)

Some versions have an electrochromic mirror with automatic antiglare function. There is an ON/OFF button on the lower part of the mirror for activating/deactivating the electrochromic function. When the function is active, a LED on the mirror is active. When reverse gear is engaged, the mirror is automatically set for daytime use.

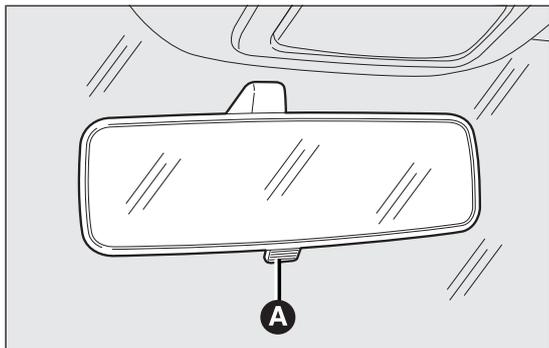


fig. 23

F0S0019

DOOR MIRRORS

WITH MANUAL ADJUSTMENT

The door mirror can be adjusted from outside by exerting a slight pressure on the four sides of the glass.

WITH ELECTRICAL ADJUSTMENT

Proceed as follows:

- select the mirror using selector B fig. 24;
- adjust the mirror using the four-way button A fig. 24 in the four directions.

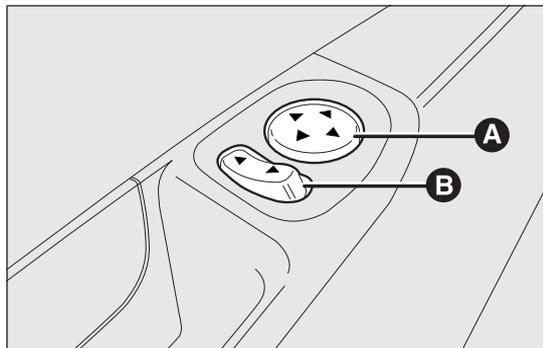


fig. 24

F0S0020

FOLDING THE MIRRORS

When required (for example when the mirror causes difficulty in narrow spaces) it is possible to fold the mirrors by moving them from position 1 fig. 25 (open), to position 2 fig. 25 (closed).

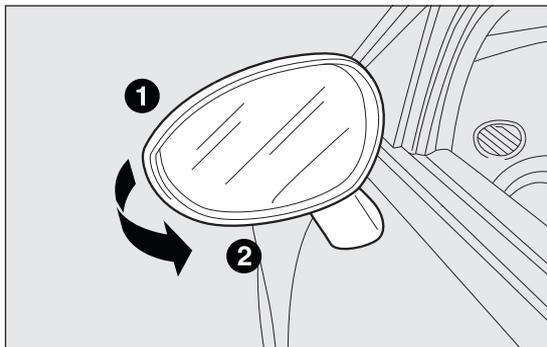


fig. 25

F0S0035



WARNING

As door mirrors are curved, they may slightly alter the perception of distance. When driving the mirrors should always be in position 1.

TEMPERATURE COMFORT

VENTS

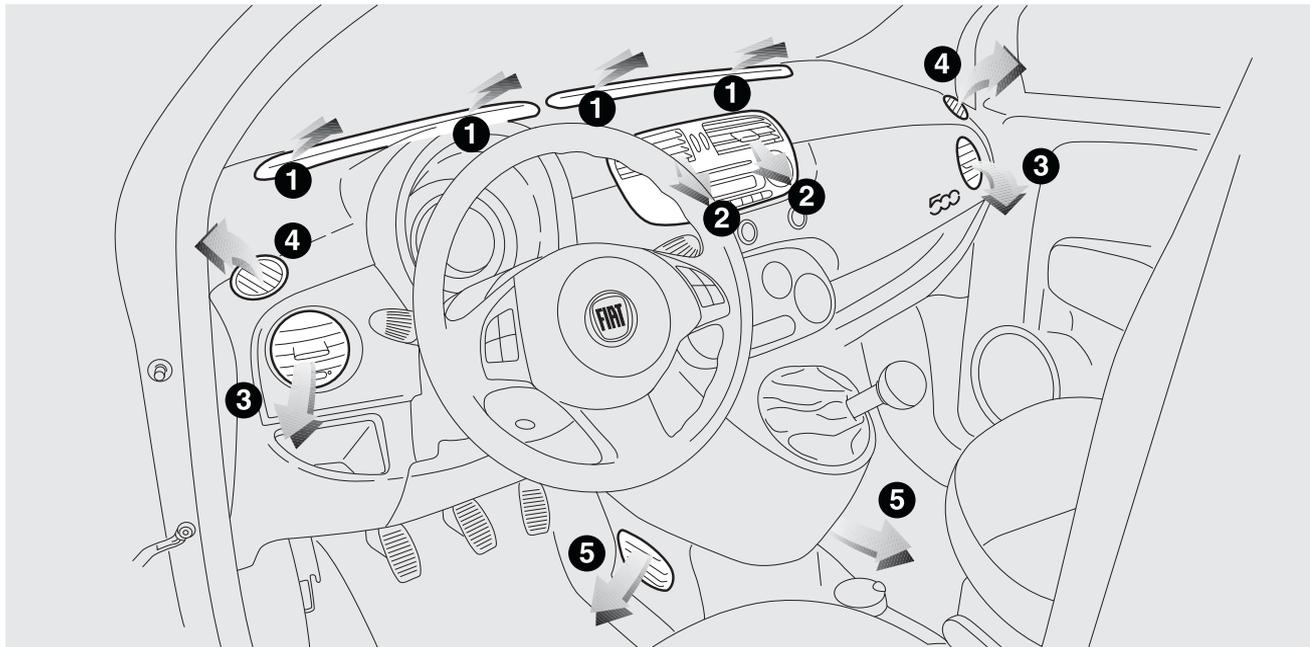


fig. 26

F0S0021

1. Vents for defrosting or demisting the windscreen – 2. Adjustable centre vents – 3. Adjustable side vents – 4. Fixed vents for side windows – 5. Lower vents

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HEATING AND VENTILATION

ADDITIONAL HEATER

(for versions/markets, where provided)

This device speeds up passenger compartment warming when it is very cold. The additional heater turns off automatically after reaching the required comfort conditions.

Important

The heater only works if the outside temperature and engine coolant temperature are low.

The heater will not activate if the battery voltage is too low.

CONTROLS

A Air temperature knob fig. 27 (red = hot/blue = cold)

B Fan speed knob fig. 27

Note To stop the air flow from the vents turn the knob to 0.

C Air recirculation knob fig. 27

 – internal air recirculation

 – air intake from outside

IMPORTANT It is advisable to switch the air recirculation on whilst queuing 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.

D Air distribution knob fig. 27  toward the body and the side windows

 toward the body, the side windows and the feet

 toward the feet only

 toward the feet and the windscreen

 toward the windscreen only.

E Heated rear window activation/deactivation button fig. 27. The LED on the button comes on to indicate activation.

In order to maintain battery efficiency, the function is automatically deactivated after about 20 minutes.

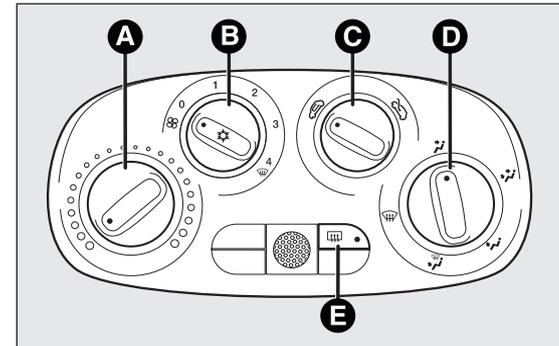


fig. 27

FOS0376

Fast front window demisting/defrosting

Proceed as follows:

- turn knob A to the red section;
- turn knob C to ;
- turn knob D to ;
- turn knob B to 4  (maximum fan speed).

MANUAL CLIMATE CONTROL

(for versions/markets, where provided)

The additional heater is activated automatically by turning knob A to the end of the red section and setting the fan (knob B) to at least the 1st speed

CONTROLS

- A Air temperature knob (red = hot/blue = cold) fig. 28
- B Fan speed knob and climate control system activation/deactivation fig. 28. Press the knob to activate the climate control system; the LED on the knob switches on. This enables rapid cooling of the passenger compartment.

Note To stop the air flow from the vents turn the knob to 0.

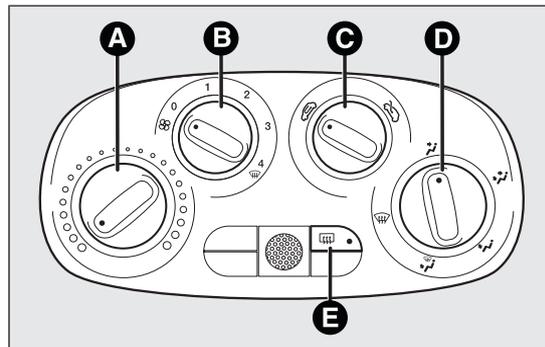


fig. 28

F0S0377

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C Air recirculation knob fig. 28

-  internal air recirculation
-  air intake from outside

IMPORTANT It is advisable to switch the air recirculation on whilst queueing 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.

D Air distribution knob fig. 28

-  toward the body and the side windows
-  toward the body, the side windows and the feet
-  toward the feet only
-  toward the feet and the windscreen
-  toward the windscreen only

E Heated rear window activation/deactivation button fig. 28.

The LED on the button comes on to indicate activation.

In order to maintain battery efficiency, the function is automatically deactivated after about 20 minutes.

Fast front window and front side windows demisting/defrosting (MAX-DEF)

Proceed as follows:

- turn knob A to the red section;
- turn knob C to  ;
- turn knob D to  ;
- turn knob B to 4  (maximum fan speed).

IMPORTANT The climate control system is very useful for speeding 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.

SYSTEM SERVICING

In winter, the climate control system must be turned on at least once a month for about 10 minutes. Have the system inspected at a Fiat Dealership before the summer.

AUTOMATIC CLIMATE CONTROL

(for versions/markets, where provided)

The additional heater turns on automatically depending on the environmental conditions and with engine started when the temperature of the engine coolant is low.

It is turned off also automatically after reaching the required comfort conditions in the passenger compartment and when the engine coolant temperature is hot.

According to the temperature set by the user, the automatic climate control system fig. 29 automatically adjusts:

- the temperature of the air sent into the passenger compartment;
- the speed of the fan (continuous variation of the air flow rate);

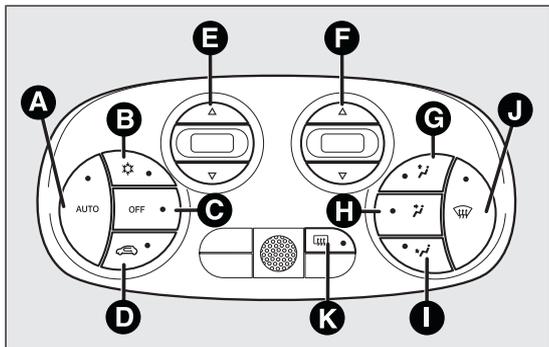


fig. 29

F0S0024

- the distribution of the air in the passenger compartment;
- compressor engagement/disengagement (for cooling/dehumidifying the air);
- interior air recirculation activation/deactivation.

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.

CONTROLS

A button fig. 29 AUTO - Automatic climate control function engagement

When the AUTO button is pressed and the required temperature is set, the system adjusts air temperature, quantity and distribution into the passenger compartment and controls the compressor operation.

B button fig. 29 ☼ - Compressor engagement/disengagement

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

When the compressor is off:

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

- 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).

C button fig. 29 OFF - Switching off the system

When the OFF button is pressed 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.

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

D button fig. 29 - Air recirculation on/off

It is advisable to switch the internal air recirculation on while 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.

E buttons fig. 29 - Temperature setting

When the button  is pressed the temperature requested in the passenger compartment rises until the value HI is reached (maximum heating).

When the button is pressed  the temperature requested in the passenger compartment decreases until the value LO is reached (maximum cooling).

IMPORTANT If the heating fluid is not sufficiently hot, the maximum fan speed does not come on straight away in order to limit the intake of insufficiently hot air into the passenger compartment.

F buttons fig. 29 - - Fan speed adjustment

When the buttons  or  are pressed respectively, the fan speed and that shown by 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.

GHI buttons fig. 29 - Manual selection of air distribution

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

-  air flow to the windscreen and front side window vents to demist or defrost them.
-  air flow to central and side dashboard vents to ventilate the chest and the face during the hot season.
-  air flow towards the front seat feet area. 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.
-   distribution between feet area vents (warmest air) and dashboard vents (coolest air).
-   distribution between feet area vents and windscreen/front side window vents. This type of distribution achieves effective heating 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.

L button fig. 29 - Front window fast demisting/defrosting

When the button  is pressed the system activates all the functions required for fast demisting/defrosting:

- compressor on (if the weather conditions are suitable);
- air recirculation off;
- maximum air temperature setting (HI);
- fan speed determined according to the coolant temperature;
- air flow conveyed to the windscreen and front side windows;
- heated rear window on.

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

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. Never use R12 fluid, which is not compatible with the system components.

HEATED REAR WINDOW DEMISTING/DEFROSTING

Press button  to activate this function. Activation is indicated by switching on of warning light  on the instrument panel.

This function is timed and it will turn off automatically after 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.

EXTERNAL LIGHTS

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

The ignition key has to be in the MAR-ON position for the external lights to come on.

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

DAYTIME RUNNING LIGHTS (DRL)

(for versions/markets, where provided)

With the ignition key turned to MAR-ON and the selector wheel turned to position  fig. 30 the daytime running lights are automatically activated; the other lights and interior lighting remain off. The automatic operation of the daytime running lights can be activated/deactivated via the display menu (see "Multifunction Display" paragraph in this chapter). If the daytime running lights are deactivated, no light comes on when the twist switch is turned to .



WARNING

The daytime running lights are an alternative to the dipped beam headlights for driving during the daytime in countries where it is compulsory to have lights on during the day, and they are also permitted in those countries where this not obligatory.



WARNING

Daytime running lights cannot replace dipped beam headlights when driving at night or through tunnels. The use of daytime running lights is governed by the highway code of the country in which you are driving. Comply with legal requirements.

DIPPED BEAM HEADLIGHTS/SIDE LIGHTS

With the ignition key turned to MAR-ON, turn the twist switch to  fig. 30. If dipped beam headlights are activated, the daytime running lights go out and the side and tail lights and dipped beam headlights come on. The  warning light will come on in the instrument panel.

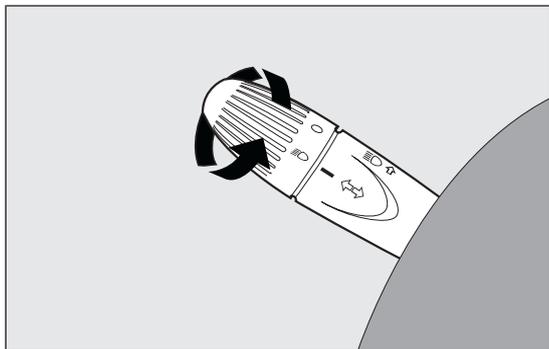


fig. 30

F0S0210

When the ignition key is turned to STOP or removed and the twist switch is turned from  to , all the side lights and number plate lights come on. The  warning light will come on in the instrument panel.

MAIN BEAM HEADLIGHTS

To switch on the main beam headlights, with twist switch in position  fig. 30, push the stalk forward toward the dashboard (stable position). The  warning light will come on in the instrument panel.

They switch off when the stalk is pulled towards the wheel (dipped beam headlights come back on).

FLASHING

You can flash the headlights by pulling the stalk towards the wheel (unstable position) fig. 30. The  warning light will come on in the instrument panel.

DIRECTION INDICATORS

Place the lever in the (stable) position:

up (position 1 fig. 31): activate the right hand indicator;

down (position 2): activates the left direction indicator.

Warning light  or  should flash in the instrument panel. The indicators switch off automatically when the steering wheel is straightened.

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Lane change function

If you wish to signal a lane change, put the left stalk in the temporary position for less than half a second. The direction indicator on the selected side flashes three times and then switches off automatically.

"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.

Each time the stalk is operated, the warning light  on the instrument panel turns on and the display shows how long the function remains active.

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 it increases the time that the lights remain on.

Deactivation: keep the stalk pulled towards the steering wheel for more than two seconds.

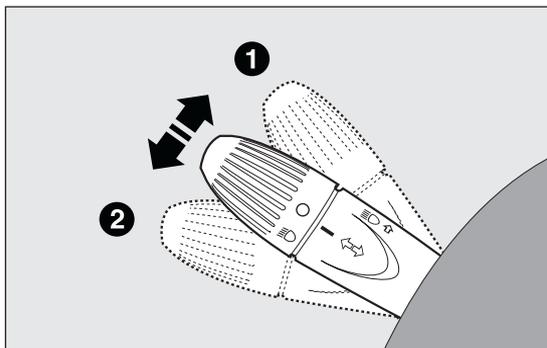


fig. 31

F0S0211

WINDOW CLEANING

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

WINDSCREEN WASHER/WIPER

This operates only with the ignition key turned to MAR-ON.

The stalk has 5 different positions (4 speeds)fig. 32: A. windscreen wiper off. B. intermittent operation. C. continuous slow operation. D. continuous fast operation. E. temporary fast operation (unstable position).

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

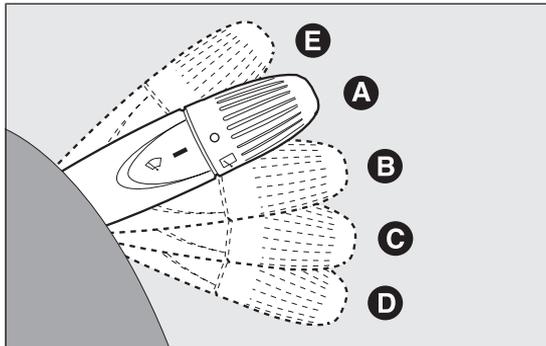


fig. 32

F0S0117

"Smart washing" function: pull the stalk towards the steering wheel (unstable position) to operate the windscreen washer.

Keep the lever pulled to activate both the windscreen washer jet and the windscreen wiper with a single movement; the latter turns on automatically if you keep the lever pulled for over half a second. The operation of the windscreen wiper terminates several strokes after the lever is released; a final cleaning stroke several seconds later 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 the motor protection cutting in and wiper operation being inhibited for a few seconds. If rear window wiper operation is not restored, contact a Fiat Dealership.

REAR WINDOW WASHER/WIPER

This operates only with the ignition key turned to MAR-ON.

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

With the windscreen wiper active, rotate the ring nut to  to activate the rear window wiper which, in this case, operates (in the different positions) in synch with the windscreen wiper, but with half its frequency.

With the windscreen wiper on, engaging reverse gear will automatically turn the rear window wiper on, in continuous slow operation. Operation stops when reverse is disengaged.

"Smart washing" function: push the stalk towards the dashboard (unstable position) to operate 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. In these conditions, the rear window wipers may be submitted to excessive effort resulting in the motor protection cutting in and wiper operation being inhibited for a few seconds. If rear window wiper operation is not restored, contact a Fiat Dealership.

ROOF LIGHTS

FRONT ROOF LIGHT

The lens can be set to three positions:

- right side pressed: light always on
- left side pressed: light always off
- central position (neutral): the light switches on and off when the doors are opened or closed.

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

On some versions, the lights switch on and off only when the front driver side door is opened or closed.

When the doors are released with the remote control, a timer will be activated for about 10 seconds. When locking the doors using the remote control, the roof light goes off.

Roof light timing (lens central position)

Three different switching-on modes are provided:

- when opening one door a three-minute timer will start, which restarts each time a door is opened;
- a timer of about 10 seconds will start when the ignition key is removed within two minutes from turning the engine off;
- a timer of about 10 seconds will start when the doors are opened (either by remote control or key in driver's door).

Three modes are provided for switching off:

- ❑ when all doors are closed, the 3-minute timer will stop and a 10-second one will start. This timer will stop when the key is turned to MAR-ON;
- ❑ when doors are locked (either with remote control or with key on driver side door), the roof light turns off.
- ❑ the courtesy lights are turned off in any case after 15 minutes to preserve battery duration

BOOT LIGHT

For versions fitted with boot light, the light comes on automatically when the tailgate is opened and it will go off when it is closed.

CONTROLS

DUALDRIVE ELECTRIC POWER STEERING (for versions/markets, where provided)

Press button A fig. 33 to activate the CITY function (see paragraph "Dualdrive electric power steering"). When this function is active, the wording CITY on the instrument panel will turn on.

To deactivate the function press the button again.

ECO FUNCTION

(for versions/markets, where provided)

To activate the ECO function press button E fig. 34 for at least 5 seconds.

When the ECO function is activated, the car is set for city driving, characterised by less effort on the steering wheel (Dualdrive system on) and reduced fuel consumption.

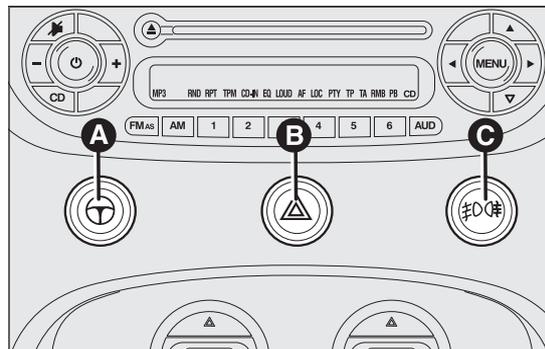


fig. 33

F0S0036

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When this function is active, the wording **ECO** on the instrument panel will turn on.

This function is stored and, at the next starting, the system keeps the setting it had before the engine was shut down.

The **E** button should be pressed again to turn the function off and restore the normal driving setting.

SPORT FUNCTION

(for versions/markets, where provided)

To activate the **SPORT** function hold button **D** fig. 35 pressed for at least 5 seconds.

When the function **SPORT** is on, a sports driving setting is activated that features more responsive acceleration and increased force required at the steering wheel to produce a more sporty drive.

When this function is active, the wording **SPORT** on the instrument panel will turn on.

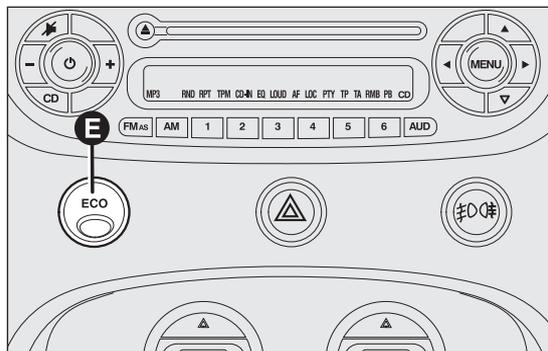


fig. 34

F0S0360

The **D** button should be pressed again to turn the function off and restore the normal driving setting.

IMPORTANT When the **SPORT** function is active, during acceleration the steering may shudder which is typical of a sports setting.

HAZARD WARNING LIGHTS

They are turned on by pressing the button **B** fig. 33, regardless of the position of the ignition key.

With the device on, warning lights \leftarrow and \rightarrow light up in the instrument panel.

To switch the lights off, press the button **B** again.

IMPORTANT The use of hazard warning lights is governed by the highway code of the country you are driving in: comply with legal requirements.

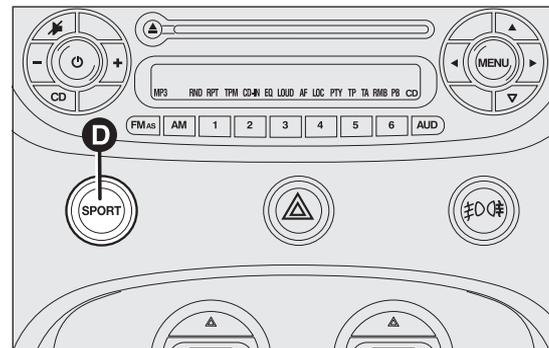


fig. 35

F0S0153

Emergency braking

In the event of an emergency braking, the hazard warning light switch on automatically together with warning lights  and  on the instrument panel.

The function switches off automatically when the nature of the braking changes.

This function complies with the relevant legislations currently in force.

FOG LIGHTS/REAR FOG LIGHTS

(for versions/markets, where provided)

The fog lights can be activated only when the dipped beam headlights are on.

To turn on the front/rear fog lights, use the button C  fig. 33 as follows:

First press: front fog lights on

Second press: rear fog lights on

Third press: Front/rear fog lights off

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

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

REAR FOG LIGHTS

(for versions/markets, where provided)

To turn the lights on press the button D  fig. 36 with the dipped beam headlights 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.

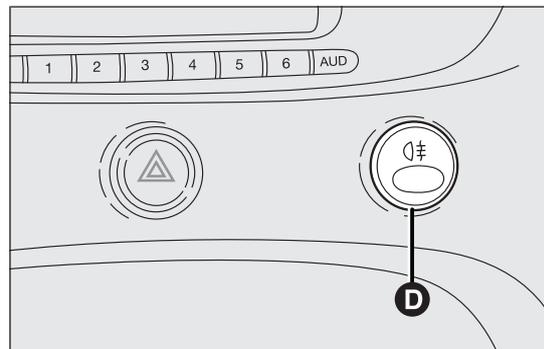


fig. 36

F0S0074

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INTERIOR FITTINGS

CIGAR LIGHTER

(for versions/markets, where provided)



WARNING

The cigar lighter gets very hot. Handle it carefully and make sure that children don't touch it: risk of fire and/or burns. Always check that the cigar lighter is switched off.

SUN VISORS

They are located at the sides of the driving rear view mirror. They can be adjusted forwards and sideways fig. 37.

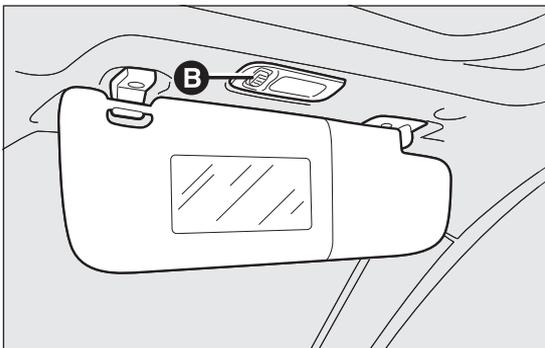


fig. 37

F0S0038

The passenger side sun visor includes a courtesy mirror; lighted by a specific roof light that can be switched on using the button B fig. 37.



WARNING

On both sides of the passenger side sun visor there is a label remembering that it is compulsory to deactivate the airbags if a rearward facing child restraint system is fitted. Always comply with the instructions on the label (see the "Airbags" paragraph in chapter "Safety").

The driver and passenger side sun visors include document pockets.

COMPARTMENT IN PASSENGER SIDE DASHBOARD

(for versions/markets, where provided)

To open the compartment, use the handle A fig. 38.



WARNING

Never travel with the glove compartment open: it could injure the passenger in the event of a crash.

COMPARTMENT IN CENTRAL CONSOLE

To open the compartment, use the groove B fig. 39 and pull outwards.

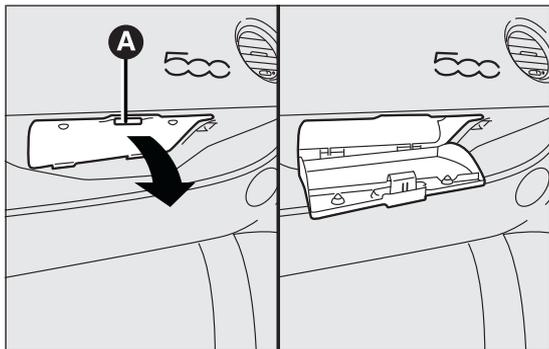


fig. 38

F0S0040

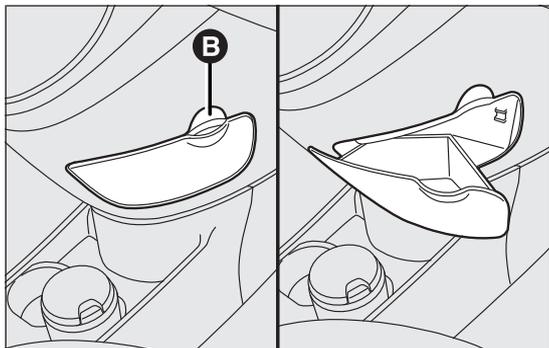


fig. 39

F0S0041



WARNING

Never travel with the compartment open: it could injure the passenger in the event of a crash.

STORAGE COMPARTMENT UNDER THE SEAT (for versions/markets, where provided)

In some versions, there is a storage compartment fig. 40 under the passenger seat.

To access the storage compartment, lift the front area of the cushion 1 fig. 40 to release it, then lift the back of the cushion 2 fig. 40 (backrest side).

To close the storage 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.

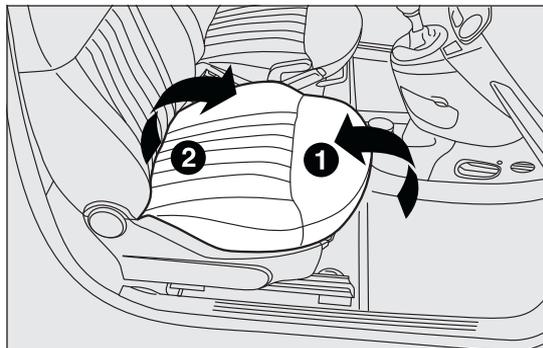


fig. 40

F0S0039

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CUP/BOTTLE HOLDERS

On the central tunnel there are two cup/can holders for the front seats and two for the rear seats.

POWER SOCKET

(for versions/markets, where provided)

The power socket is located on the central tunnel and is powered when ignition key is turned to MAR.

To use the socket, open the protective lid A fig. 41.

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

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

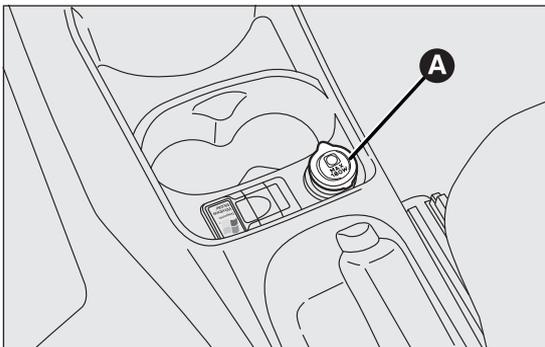


fig. 41

F0S0042



Accessories with a maximum power of 180 W (maximum electrical input 15 A) can be connected to the socket.

PORTABLE NAVIGATOR SETUP

(for versions/markets, where provided)

The socket for portable navigator connection is located on the dashboard fig. 42.

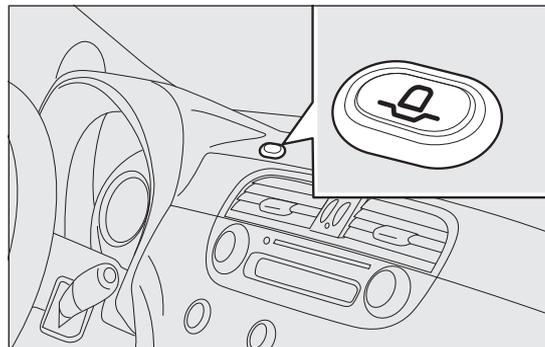


fig. 42

F0S0265

FIXED GLASS ROOF

(for versions/markets, where provided)

The sun roof comprises a wide fixed glass panel and a manually-operated sun blind. The blinds can be used in the "fully closed" or "fully open" positions.

To open the blind, grab the handle, press the tooth A fig. 43 and move it to the completely open position.

To close it, grab the handle and move the blind to the closing position until tooth A is attached.

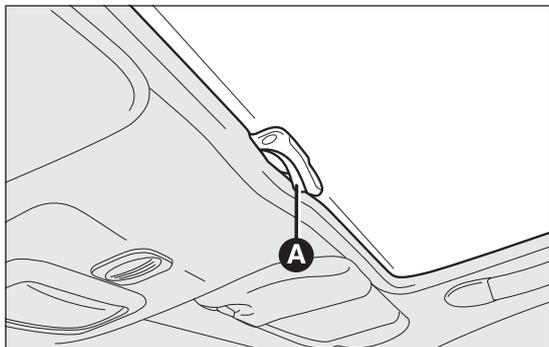


fig. 43

F0S0097

SUN ROOF

(for versions/markets, where provided)

The sun roof comprises a wide electrically-operated glass panel and a manually-operated sun blind. The blinds can be used in the "fully closed" or "fully open" positions.

To open the blind, grab the handle, press the tooth A fig. 44 and move it to the completely open position.

To close it, grab the handle and move the blind to the closing position until tooth A is attached.

The sun roof can be operated only with the ignition key turned to MAR-ON. The controls A and B fig. 45 are located near the front courtesy light and operate roof closing/opening respectively.

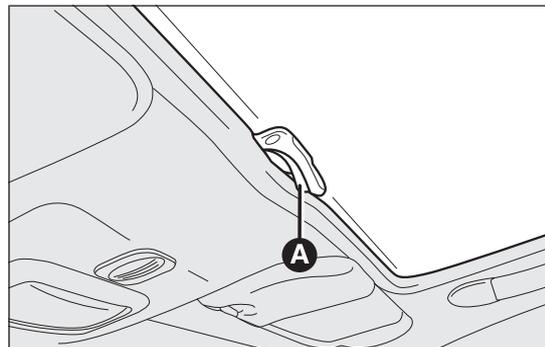


fig. 44

F0S0097

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OPENING

Keep the button B fig. 45 pressed: the roof will move to "spoiler" position. To fully open the roof press the button B again and keep it pressed: the roof will stop in the position reached when the button is released.

CLOSURE

Keep the button A fig. 45 pressed: the roof will move to "spoiler" position. The roof will stop in the position reached when the button is released. Press the button A again and keep it pressed until the roof is completely closed.



Use the sunroof only at "spoiler" position if a transverse roof rack is fitted.

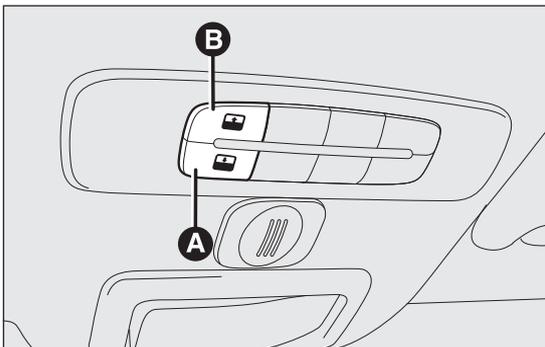


fig. 45

F0S0096



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



WARNING

When leaving the vehicle, always remove the key from the ignition to avoid the risk of injury to those still inside the car due to accidental operation of the sunroof. Improper use of the roof can be dangerous. Before and during operation, always check that no-one is exposed to the risk of being injured by the moving sunroof or by objects getting caught and dragged by it.

ANTI-PINCH SAFETY DEVICE

The sun roof has an anti-pinch safety system capable of detecting the presence of an obstacle whilst the roof is closing. When this happens, the system stops and the movement of the roof is immediately reversed.

INITIALISATION PROCEDURE

After the battery has been disconnected or a fuse has blown, the operation of the sliding roof must be initialised again.

Proceed as follows:

- keep the button A fig. 45 pressed so that the roof closes completely in stages
- after full closing, wait for the sun roof motor to stop.

EMERGENCY OPERATION

If the electric device for moving the roof fails, the sun roof can be moved manually proceeding as described below:

- for manual activation remove the protective cap A fig. 46 from its housing which is located on the internal covering behind the sun blind
- take the Allen key provided from the tool box in the boot
- insert the key provided into the housing and turn it clockwise to open the roof or anticlockwise to close the roof.

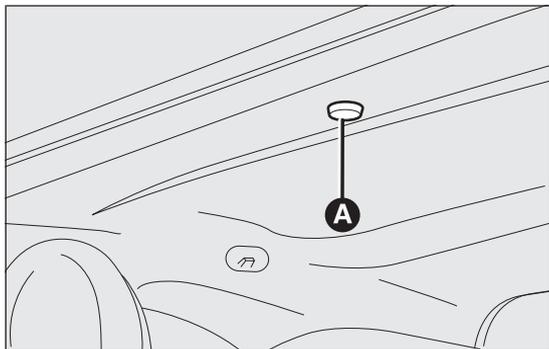


fig. 46

F0S0098

DOORS



WARNING

Before opening a door, ensure that you can do it in conditions of safety. Open the doors only when the car is stationary.

OPENING/CLOSING WITH THE KEY

To open from outside (driver's side door): rotate the key to I fig. 47 and pull the handle.

On versions with central locking, when the key is turned, the doors and the tailgate are simultaneously unlocked.

To open from outside (passenger's side door): pull the handle. Opening the door is possible only if it has been unlocked from inside bringing the handle to position I fig. 48

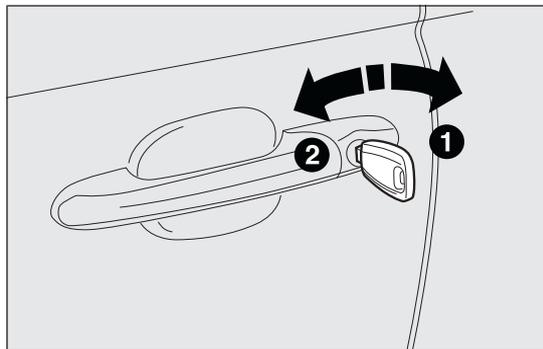


fig. 47

F0S0099

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To lock from outside: with driver's side door completely closed, turn the key to position 2 fig. 48.

It is possible to lock the passenger side door only from inside bringing the handle to position 2 fig. 48.

On versions with central locking, when the key is turned, the doors and the tailgate are simultaneously locked.

To lock/unlock from inside: use the handles on the door panels fig. 48.

Position 1: the door is unlocked.

Position 2: the door is locked.

On versions with door central locking, the driver's and passenger's side handles lock/unlock both doors and tailgate.

IMPORTANT The locked door condition is indicated by the red symbol A fig. 48 on the interior door handle.

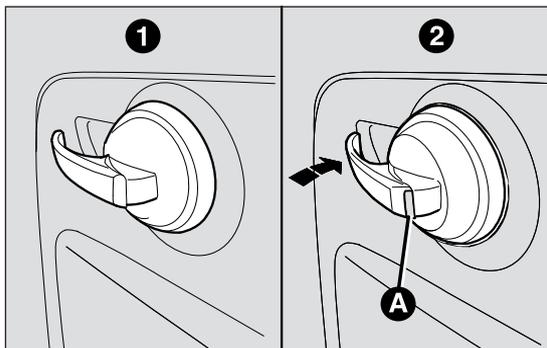


fig. 48

F0S0357

CENTRAL LOCKING

(for versions/markets, where provided)

The doors and tailgate must be perfectly closed to activate the central locking.

To unlock from outside (door and tailgate locks) push button  on the key with remote control.

To lock from outside (door and tailgate locks) push button .

IMPORTANT If one of the doors is not completely closed or if there is a fault in the system, the central locking will not be activated. If the operation is repeated 10/11 times in quick succession, the device is excluded for approximately 30 seconds.

To unlock from inside (door and tailgate locks) pull handle A fig. 49.

Operating the lever on driver or passenger side unlocks both doors and tailgate.

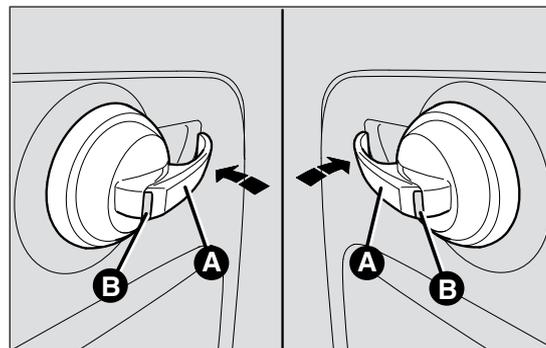


fig. 49

F0S0358

To lock from inside (door and tailgate locks) push handle A towards door panel.

Operating the lever on driver or passenger side locks both doors and tailgate.

The correct lever position with locked doors is shown by the red symbol B fig. 49 visible on the handles.

POWER WINDOWS

POWER WINDOWS

(for versions/markets, where provided)

These operate when the ignition key is turned to MAR-ON and for about 2 minutes after turning the key to STOP or removing it.

The power window control buttons are located beside the gear lever and activate fig. 50:

A Opening/closing of the left window.

B Opening/closing of the right window.

Holding the button pressed for a few seconds, the window raises or lowers automatically (only with key at MAR-ON).

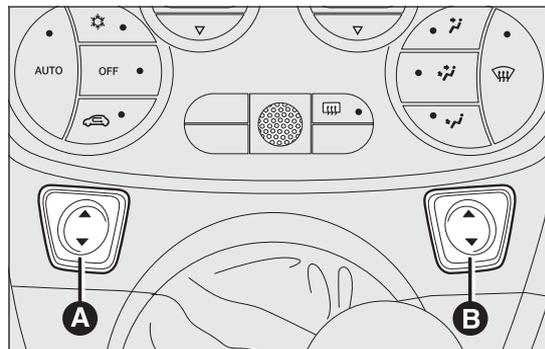


fig. 50

F0S0030

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**WARNING**

Incorrect use of the power windows may be dangerous. Before and during operation, always check that no-one is exposed to the risk of being injured either directly by the moving window or through objects getting caught and being dragged.

**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.

MANUAL WINDOW WINDERS

(for versions/markets, where provided)

On some versions the window winders are manual.

To open/close the window operate the handle on the door panel.

BOOT**OPENING THE TAILGATE WITH THE KEY METAL INSERT**

To release the lock, use the metal insert of the ignition key A fig. 51.

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

On some versions, opening the tailgate will switch the boot light on: the light will go off automatically when the tailgate is closed.

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

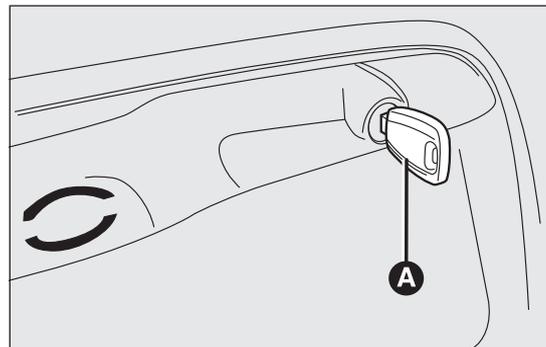


fig. 51

F0S0100

OPENING THE TAILGATE WITH THE REMOTE CONTROL

(for versions/markets, where provided)

Press button  on the key with the remote control.

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

SOFT TOUCH POWER HANDLE

(for versions/markets, where provided)

On some versions, the tailgate (if released) can be opened only from outside the car operating on the power handle B fig. 52 located under the tailgate edge.

The boot can be opened at any time if the doors are unlocked.

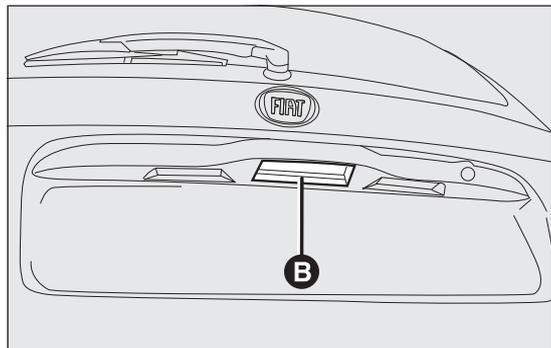


fig. 52

F0S0101

To open it, enable the handle, opening one of the front doors or unlocking the doors with the remote control or using the key without remote control.

If the tailgate is not shut properly the instrument panel warning light  (where provided) will switch on.

TAILGATE CLOSURE

To close, lower the tailgate by pressing near the lock until you hear it click.

In the inner part of the tailgate a strap B fig. 53 makes it easier to hold and close the tailgate.

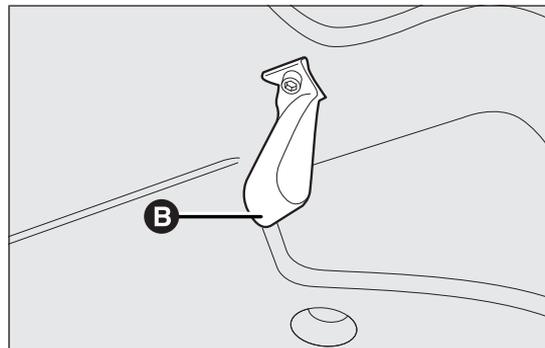


fig. 53

F0S0031

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**WARNING**

Never exceed the maximum allowed load in the boot (see "Technical Specifications"). Also make sure that the objects you place in the boot have been properly secured, to avoid them from being thrown forward consequent to sudden braking and injuring your passengers.

**WARNING**

Do not travel with the tailgate open: exhaust gas may enter the passenger compartment.

**WARNING**

If you are travelling in areas with few filling stations and you want to transport fuel in a spare tank, comply with the law by using only an approved, suitably secured tank. However, by doing so, you increase the risk of fire in case of an accident with your vehicle.



Take care not to knock objects on the roof rack when opening the tailgate.

EMERGENCY TAILGATE OPENING

To open the tailgate from the passenger's compartment if the car battery is flat or the electric tailgate lock is faulty, proceed as follows (see "Extending the boot" in this chapter):

- extract the rear head restraints
- fold the backrests over
- to unlock the tailgate mechanically, working from the inside of the boot, use lever A fig. 54.

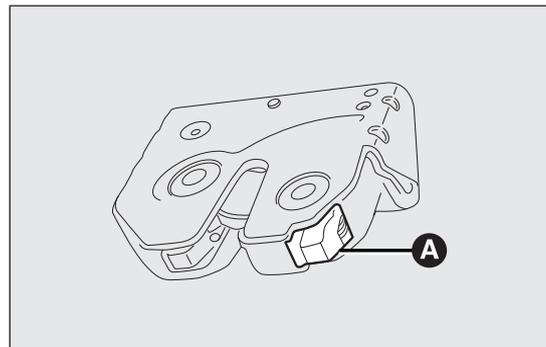


fig. 54

F0S0135

EXTENDING THE BOOT

The separate rear seats allow partial fig. 55 or total fig. 56 boot extension.

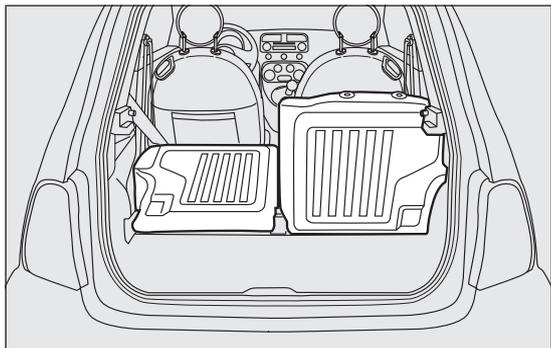


fig. 55

F0S0043

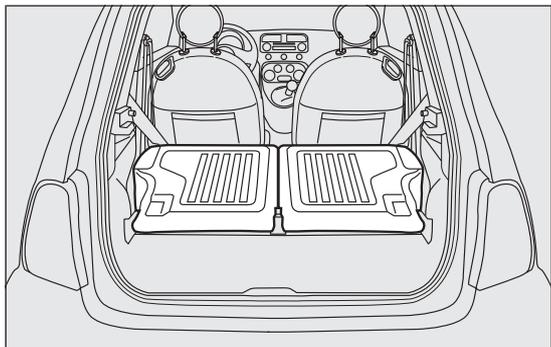


fig. 56

F0S0044

PARTIAL EXTENSION (50/50)

(for versions/markets, where provided)

Proceed as follows:

- lift out rear seat head restraints (where provided) with backrest released and tilted toward the passenger compartment or with the tailgate open
- check that the seat belt is fully extended and not twisted
- operate lever A fig. 57 or B to release the left hand or right hand part of the backrest respectively and fold it down onto the cushion.

IMPORTANT To return the backrest to its correct position, we recommend operating from the outside through the doors.

TOTAL EXTENSION

Tilting the rear seat completely forwards allows maximum loading volume.

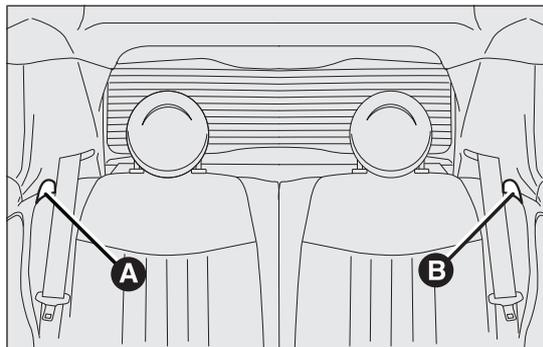


fig. 57

F0S0017

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Proceed as follows:

- remove the rear seat head restraints (where provided)
- check that the seat belts are correctly extended and not twisted
- operate the levers A fig. 57 and B to release the backrests and guide them down onto the cushion.

IMPORTANT To return the backrest to its correct position, we recommend operating from the outside through the doors.

REPOSITIONING THE REAR SEAT

Raise the backrests and push them back until the locking click of both retainers is heard.

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

IMPORTANT When returning the backrest to its normal position, make sure that it is correctly fastened and that you hear the lock click.

Make sure the backrest is properly secured at both sides to prevent it moving forward in the event of sharp braking that may cause injuries to passengers.

REMOVING THE PARCEL SHELF

To remove the parcel shelf, release it from its two side pins and pull it out.

BONNET

OPENING

Proceed as follows:

- pull lever A fig. 58 in the direction indicated by the arrow;
- move the lever B fig. 59 to the right as shown in the figure;
- lift the bonnet and, at the same time, release the supporting rod C fig. 60 from its catch D, then insert the end of the rod into housing E in the bonnet (larger hole) and push to safety position (smaller hole), as shown in the figure.

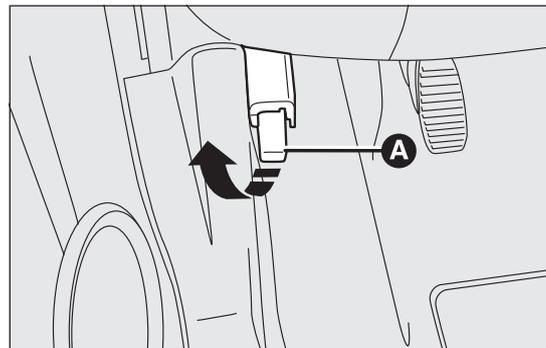


fig. 58

F0S0045



WARNING

The bonnet may drop suddenly if the supporting rod is not positioned properly. Only perform these operations when the car is stationary.

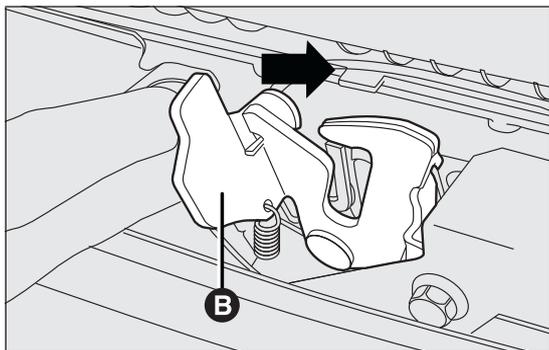


fig. 59

F0S0046

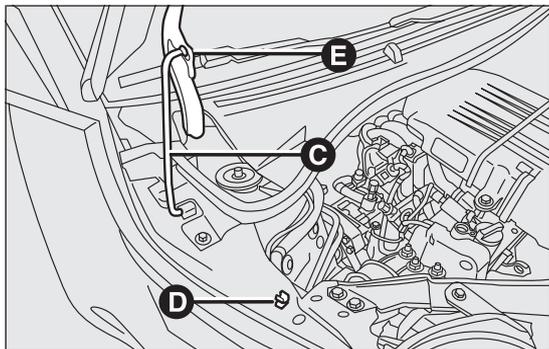


fig. 60

F0S0047



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



WARNING

When the engine is warm, work carefully inside the engine compartment to avoid getting burnt. Do not place your hands close to the fan: it might start working even with the ignition key removed. Wait for the engine to cool.



WARNING

Pay attention to scarves, ties and other loose-fitting garments. If they accidentally come into contact with moving parts, they may get caught up and dragged with serious risks for those wearing them.

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CLOSURE

Proceed as follows:

- hold the bonnet up with one hand and with the other remove rod C fig. 60 from housing E and fit it back into its catch D
- lower the bonnet to approximately 20 centimetres above the engine compartment and let it come down. Make sure that the bonnet is completely closed and not just secured in safety position. If it is not perfectly closed, do not try to press the bonnet down but open it and repeat the procedure.



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. If you discover during travel that the lock is not fully engaged, stop immediately and close the bonnet in the correct manner.

ROOF RACK/SKI RACK

FASTENERS

The fasteners are located in the areas indicated in fig. 61.

To use the front fasteners, remove the cap A fig. 61, accessible with the door open.

The rear fixing areas B can be found according to measurements shown in fig. 62. Lineaccessori Fiat provides a specific roof rack/ski rack for the tailgate.

IMPORTANT Follow the instructions contained in the assembly kit carefully. Assembly must be performed by qualified personnel.

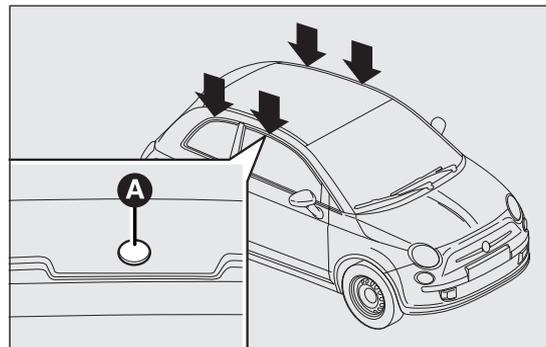


fig. 61

F0S0136



WARNING

Fully comply with the regulations in force concerning maximum clearance. Never exceed the maximum permitted loads; see section "Technical specifications".



WARNING

Evenly distribute the load and take into account, when driving, the increased responsiveness of the car to side wind. Check that the attachment fixing screws are tight after a few kilometres.

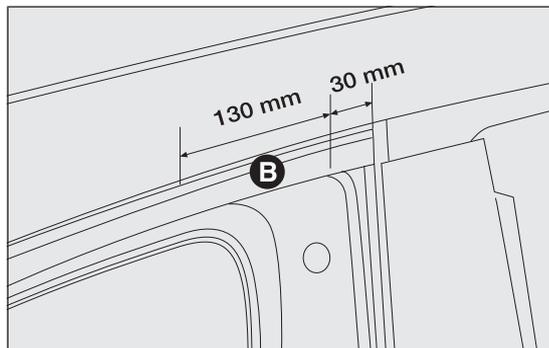


fig. 62

F0S0152

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 guarantee the best visibility conditions for all drivers while travelling with headlights on.

Contact a Fiat Dealership to have the headlights properly adjusted.

Check beam aiming every time the load or its distribution changes.

IMPORTANT When the gas discharge (Xenon) headlamps (for versions/markets, where provided) are switched on, normally parabolas and light beam move vertically for about 2 seconds until headlamp alignment has stabilised.

ANGLE COMPENSATION

The car is fitted with an electric headlight alignment system. This system is operational with the ignition key turned to MAR and the dipped beam headlights on.

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

In this case, restore the correct direction by operating buttons + and - fig. 63.

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

Gas discharge headlights (Xenon headlights) are automatically adjusted. Headlight alignment adjustment is electronic and therefore cannot be manually adjusted using the + and – buttons.

Correct positions depending on the load

Position 0 - one or two people in the front seats.

Position 1 - four persons.

Position 2 - four persons + load in the luggage compartment.

Position 3 - driver + maximum permitted load stowed in the boot.

FRONT FOG LIGHT ALIGNMENT

(for versions/markets, where provided)

Contact a Fiat Dealership to have the headlights properly adjusted.

ADJUSTING THE HEADLIGHTS WHEN ABROAD

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 dazzling the drivers on the other side of the road, you need to cover areas of the headlight according to the Highway code of the country you are travelling in.

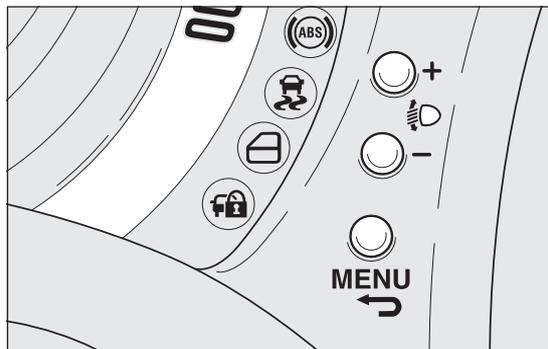


fig. 63

F0S0383

ABS SYSTEM

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

The system intervenes when braking and the wheels are about to lock, typically in emergency braking or low-grip conditions, when locking may be more frequent.

Moreover, the system increases control and stability of the car when braking on surfaces with a differentiated grip on the right side wheels and the left side wheels or on bends.

SYSTEM INTERVENTION

The driver can feel that the ABS system has come into action because the brake pedal pulsates slightly and the system gets noisier: this is entirely normal with the system operating.



WARNING

When the ABS intervenes and you feel the brake pedal pulsating, do not reduce the pressure, but hold it down firmly and confidently; in doing so you will brake in the shortest distance possible, depending on the current road conditions.



WARNING

To obtain 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.



WARNING

If the ABS system intervenes, this indicates that the traction of the tyres on the road is about to reach its limit. You must slow down to a speed compatible with the available traction.



WARNING

The ABS cannot overrule the natural laws of physics, and cannot increase the grip available according to the condition of the road.



WARNING

The ABS cannot prevent accidents, including those due to excessive speed on corners, driving on low-grip surfaces or aquaplaning.

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**WARNING**

The capability of the ABS must never be tested irresponsibly and dangerously, in such a way as to compromise personal safety and the safety of others.

**WARNING**

For the correct operation of the ABS system, it is essential that the tyres are of the same make and type on all wheels, in perfect condition and, above all, of the specified type and dimensions.

**WARNING**

If the space-saver wheel (where provided) is used, the ABS system keeps operating. Always remember that the space-saver wheel, being smaller than the original wheel, provides less grip.

EBD (Electronic Brakeforce Distribution) SYSTEM

This system, which cannot be deactivated, recognises emergency braking conditions (according to the brake pedal operation speed) 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.

MSR (Motor Schleppmoment Regelung) SYSTEM

The MSR system is an integral part of the ABS, that intervenes, if there is a sudden change to a lower gear, restoring torque to the engine, thereby preventing excessive drive at the drive wheels which, especially in poor grip conditions, could lead to a loss in stability of the vehicle.

ESC (Electronic Stability Control) SYSTEM

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

The system is capable of recognising potentially dangerous situations in terms of the stability and intervenes automatically on the brakes in a differentiated manner for the four wheels in order to provide a stabilising torque.

The ESC system also includes the following subsystems:

- HH (Hill Holder)
- ASR (AntiSpin Regulation)
- HBA (Hydraulic Brake Assistance)

SYSTEM INTERVENTION

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

SYSTEM ACTIVATION

The ESC system switches on automatically when the engine is started and cannot be switched off.

HH (Hill Holder) SYSTEM

This is an integral part of the ESC system and facilitates starting on slopes, activating automatically in the following cases:

- uphill** - car stationary on a road with a gradient higher than 5%, engine running, brake pressed and transmission in neutral or gear other than reverse engaged;
- downhill** - car stationary on a road with a gradient higher than 5%, engine running, brake pressed and reverse gear engaged.

When setting off, the ESC system control unit maintains the braking pressure on the wheels until the engine torque necessary for starting is reached, or in any case for a maximum of 2 seconds, allowing your right foot to be moved easily from the brake pedal to the accelerator.

When two seconds have elapsed, without starting, the system is automatically deactivated, gradually releasing the braking pressure.

During this release stage it is possible to hear a typical mechanical brake release noise, indicating the imminent movement of the car.



WARNING

The HH system is not a parking brake; therefore, never leave the car without having engaged the handbrake, turned the engine off and engaged first gear, so that it is parked in safe conditions (for further information read the "Parking" paragraph in the "Starting and driving" chapter).

**WARNING**

There may be situations on small gradients (less than 8%), with car laden or a trailer attached to it (where provided), in which the HH system may not activate, causing a slight reversing motion and increasing the risk of collision with another vehicle or object. The driver is, in any case, responsible for safe driving.

ASR (AntiSpin Regulation) SYSTEM

This is an integral part of the ESC system and automatically operates in the event of one or both drive wheels slipping, loss of grip on wet roads (aquaplaning) and acceleration on slippery, snowy or icy roads, etc.

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

- if the slipping involves both drive wheels, the ASR system intervenes, reducing the power transmitted by the engine;
- if the slipping only involves one of the drive wheels, it also intervenes automatically, braking the wheel that is slipping.

System intervention

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

Manual deactivation/reactivation

The ASR comes on automatically whenever the engine is started. Whilst driving, the ASR can be switched off and subsequently switched on again by pressing the C-fig. 64 (ASR OFF) button. When the system is not active, the LED on the same button turns on and, on some versions, a message appears on the display.

If the ASR is disengaged during driving, this is automatically reactivated at the following car starting.

When travelling on snowy roads with snow chains, it may be helpful to turn the ASR off: in fact, in these conditions, the driving wheels skidding when moving off gives you better traction.

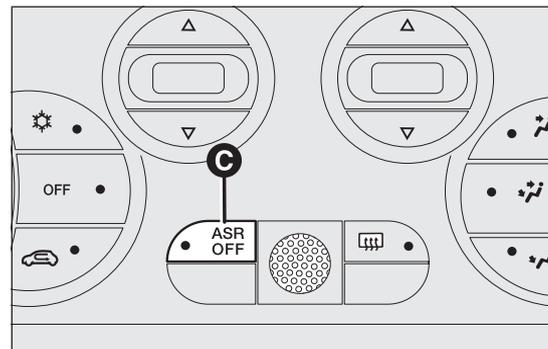


fig. 64

F0S0102



WARNING

For the correct operation of the ASR system, it is essential that the tyres are of the same make and type on all wheels, in perfect condition and, above all, of the specified type and dimensions.



WARNING

If the space-saver wheel (where provided) is used, the ASR system keeps operating. Always remember that the space-saver wheel, being smaller than the original wheel, provides less grip.



WARNING

The ASR cannot overrule the natural laws of physics, and cannot increase the grip available according to the condition of the road.



WARNING

The ASR cannot prevent accidents, including those due to excessive speed on corners, driving on low-grip surfaces or aquaplaning.



WARNING

The capability of the ASR must never be tested irresponsibly and dangerously, in such a way as to compromise personal safety and the safety of others.

HBA (Hydraulic Brake Assist) SYSTEM

This is an integral part of the ESC system and automatically operates in the event of one or both drive wheels slipping, loss of grip on wet roads (aquaplaning) and acceleration on slippery, snowy or icy roads, etc.

The HBA system is designed to improve the car's braking capacity during emergency braking.

The system detects an emergency braking by monitoring the speed and strength with which the brake pedal is pressed, thereby applying the optimal brake pressure. This can reduce the braking distance: the HBA system therefore completes the ABS.

Maximum assistance of the HBA system is obtained pressing the brake pedal very quickly; in addition, the brake pedal should be pressed continuously during braking, avoiding intermittent presses, to obtain benefits from the system.

Do not reduce pressure on the brake pedal until braking is not necessary anymore.

The HBA system is deactivated when the brake pedal is released.

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**WARNING**

The HBA system cannot increase tyre grip on the road over the limits imposed by laws of physics: always drive carefully according to the conditions of the road surface.

**WARNING**

The HBA system cannot prevent accidents, including those due to excessive speed on bends, travelling on low-grip surfaces or aquaplaning.

**WARNING**

The HBA system is an aid for the driver, who must always pay full attention while driving. The responsibility always rests with the driver.

**WARNING**

The capability of the HBA system must never be tested irresponsibly and dangerously in such a way as to compromise the safety of the driver, occupants or other road users.

EOBD SYSTEM

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

The goal of the system is to:

- monitor system efficiency
- indicate an increase in emissions due to vehicle malfunction
- indicate the need to replace damaged components.

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-ON position, the warning light  either does not come on or, when driving, it comes on permanently or flashes along with a message in the multifunction display (for versions/markets where provided), contact a Fiat Dealership as soon as possible. The operation of warning light  may be checked by the traffic police using specific devices. Comply with the laws and regulations of the country where you are driving.

DUALDRIVE ELECTRIC POWER

STEERING (for versions/markets, where provided)

A few versions have an electrically operated power assisted system, that only works with the ignition key in the MAR-ON position and the engine started, known as Dualdrive. fig. 65, and allows the force required at the steering wheel to be adapted to the driving conditions.

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

For some versions the control to activate the Dualdrive electric power steering is replaced by the control to activate the SPORT or ECO function (see paragraph “Controls” in this chapter).

CITY FUNCTION ACTIVATION/ DEACTIVATION

Press button A fig. 65 to turn the function on/off.

When the function is active, the CITY warning light on the instrument panel turns on.

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

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**WARNING**

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

FAILURE WARNING

Any failure of the electric power steering system is indicated by instrument panel warning light  coming on together with a message on the multifunction display (for versions/markets where provided - see section "Warning lights and messages"). In the event of electric power steering system failure, the car can be driven with mechanical steering.

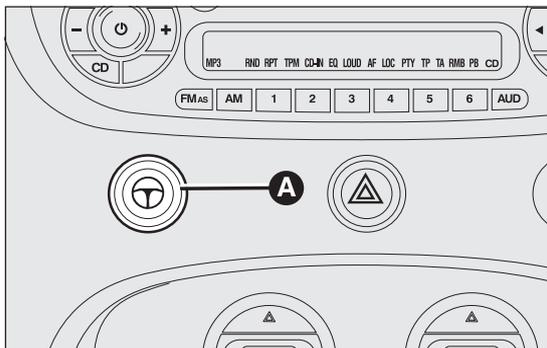


fig. 65

F0S0032

IMPORTANT In some circumstances, factors independent of the electric power steering could cause the warning light  on the instrument panel to switch on. In this case, stop the car immediately, switch off the engine for about 20 seconds and then restart the engine. If the warning light  is still on, along with the message on the multifunction display (for versions/markets, where provided), contact a Fiat Dealership.

IMPORTANT During parking manoeuvres requiring a lot of steering, the steering may become harder; this is normal and is due to the intervention of the system to protect the electric steering motor from overheating so no intervention is required. When the vehicle is used again later on, the power steering will work normally.

**WARNING**

Before starting any servicing operation, stop the engine and remove the key from the ignition switch to operate the steering lock, particularly when the wheels do not touch the ground. If this is not possible (for example if the key needs to be turned to MAR-ON or the engine must be running), remove the main fuse that protects the electric power steering.

PARKING SENSORS

(for versions/markets, where provided)

Parking sensors are located in the rear bumper fig. 66 and their function is to inform the driver, through an intermittent buzzer, 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.

WARNING BUZZER

When reverse gear is engaged and there is an obstacle behind the car a buzzer is activated and the signal varies as the distance of the obstacle from the bumper varies.

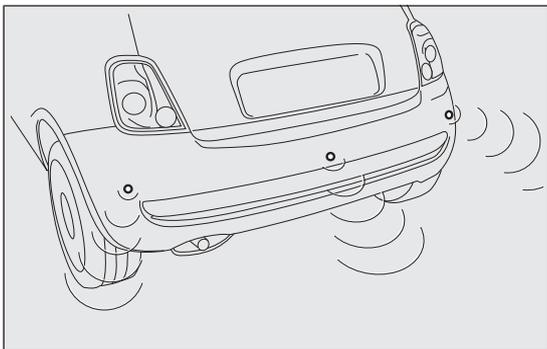


fig. 66

F0S0340

The frequency of the acoustic signal:

- increases 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

Centre operating radius 140 cm.

Side operating radius 60 cm.

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

FAILURE WARNING

Any parking sensor failures will be indicated when engaging reverse by the warning light \triangle in the instrument panel together with the message in the multifunction display (for versions/markets where provided) (see “Warning lights and messages” section).

OPERATION WITH TRAILER

Sensor operation is automatically deactivated when the trailer's electric cable plug is fitted in the car's tow hook socket. The sensors are automatically enabled again when the trailer's cable plug is removed.

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For correct 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. In washing stations, clean sensors quickly keeping the vapour jet/high pressure washing nozzles at 10 cm at least from the sensors.

GENERAL WARNINGS

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

The following conditions may influence the performance of the parking assistancesystem:

- Reduced sensor sensitivity and a reduction in the parking assistance system performance could be due to the presence on the surface of the sensor of: ice, snow, mud, thick paint
- The sensor may detect a non-existent obstacle (echo interference) due to mechanical interference, for example when washing the vehicle, in rain, (strong wind), hail.

- The signals sent by the sensors can also be altered by the presence of ultrasonic systems (e.g. pneumatic brake systems or pneumatic drills) near the vehicle.
- Parking assistance system performance can also be influenced by the position of the sensors, for example due to a change in the ride setting (caused by wear to the shock absorbers, suspension), or by changing tyres, overloading the car or carrying out specific tuning operations that require the car to be lowered.
- The presence of a tow hook without trailer interferes with the correct operation of the parking sensors. If a fixed tow hook is installed, the parking sensors cannot be used. If the customer wishes to install a removable tow hook, this must be disconnected from the crossmember whenever the trailer is not attached to prevent the activation of the sensors.



WARNING

Parking manoeuvres however are always the driver's responsibility. While manoeuvring, always make sure that no people (especially children) or animals are in the area concerned. The parking sensors are designed to assist drivers: in any case, you must always pay the utmost attention during potentially dangerous manoeuvres, even when carried out at low speed.

START&STOP SYSTEM

INTRODUCTION

The Start&Stop system automatically stops the engine each time the vehicle is stationary and starts it again when the driver wants to move off. In this way, the vehicle efficiency is increased, by reducing consumption, dangerous gas emissions and sound pollution.

Note If the climate comfort is to be favoured, the Start&Stop system can be deactivated, for a continuous operation of the climate control system.

ENGINE OPERATION/STOPPING MODE

With manual gearbox: with the vehicle stationary, the engine stops with the gearbox in neutral and the clutch pedal released.

With Dualogic gearbox: the engine stops if the vehicle is at a standstill and the brake pedal is pressed. This condition can be maintained even if the brake pedal is not depressed, if the gear lever is in position N.

Note The engine can only be stopped automatically over about 10 km/h, to prevent the engine from being repeatedly stopped when driving at walking pace.

The engine stop is signalled by the warning light fig. 67 on the instrument panel, depending on the configuration.

ENGINE OPERATION/RESTARTING MODE

With manual gearbox: press the clutch pedal to allow the engine to be restarted.

With Dualogic gearbox: if the gear lever is in position N, place it in any other gear, otherwise release the brake pedal or move the gear lever to +, – or R.

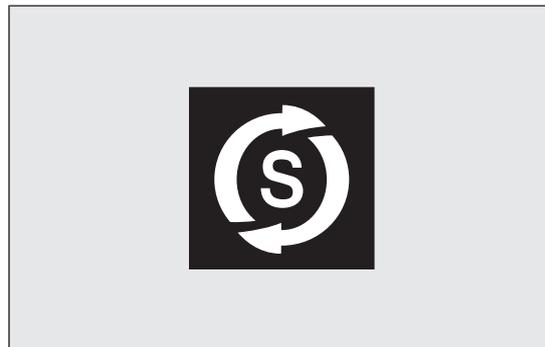


fig. 67

F0S0270

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MANUAL ACTIVATION AND DEACTIVATION

The system can be activated/deactivated using the button A fig. 68 on the dashboard.

When the system is deactivated, the warning light fig. 69 switches on on the instrument panel.

In addition, for versions/markets where provided, additional indications concerning the deactivation or activation of Start&Stop system are given on the display.

ENGINE STOPPING FAILURE CONDITIONS

When the system is active, due to comfort, emission control and safety reasons, the engine does not stop in some conditions, such as:

- engine still cold
- especially cold outside temperature

- battery not sufficiently charged
- particulate filter regeneration (DPF) in progress (diesel engines only)
- driver's door not shut
- driver's seat belt not fastened
- reverse gear engaged (for example, for parking manoeuvres)
- for versions equipped with automatic climate control, if an adequate level of thermal comfort has not been reached or with MAX-DEF activation
- during the first period of use for a new car, to initialise the system.

In the above cases there is an information message in the display and, where provided, the warning light fig. 67 will flash on the instrument panel.

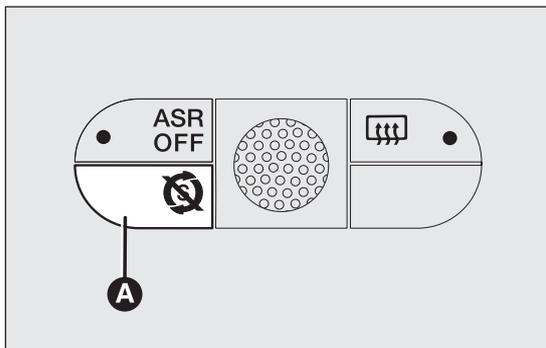


fig. 68

F0S0271

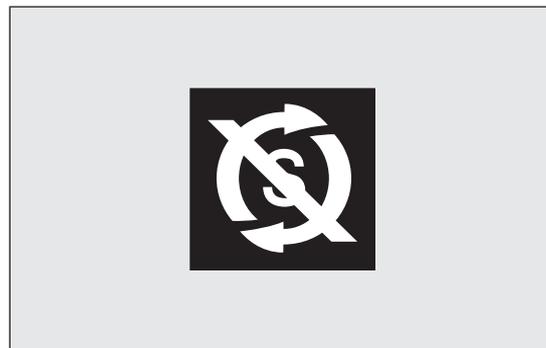


fig. 69

F0S0272

ENGINE RESTARTING CONDITIONS

For reasons of comfort, limiting harmful emissions and safety purposes, the power unit can restart automatically without any action by the driver if certain conditions are met, including:

- battery not sufficiently charged
- reduced braking system vacuum (e.g. if the brake pedal is pressed repeatedly)
- car moving (e.g. when driving on roads with a gradient)
- engine stopping by Start&Stop system for over 3 minutes;
- for versions equipped with automatic climate control, to enable suitable thermal comfort or with MAX-DEF activation.

With a gear engaged, the engine can be automatically restarted only by fully depressing the clutch pedal. The driver is asked to perform this operation through a message in the display and by the warning light fig. 67 on the instrument panel flashing, where provided.

Note If the clutch is not pressed, when three minutes have elapsed since the engine was stopped, the engine can only be restarted using the key.

Note In cases of undesired engine stops, due for example to the clutch pedal being released abruptly with a gear engaged, if the Start&Stop system is activated, the engine can be restarted by fully depressing the clutch pedal or by placing the gear lever in neutral.

SAFETY FUNCTIONS

In engine cut-out conditions through the Start&Stop system, if the driver unfastens his/her seat belt and opens the driver's door or the passenger door, the engine can be restarted only by using the key.

The driver is notified of this condition both by a buzzer and through an information message in the display and, where provided, by the warning light fig. 67 flashing in the instrument panel.

"ENERGY SAVING" FUNCTION (for versions/markets, where provided)

If, following the automatic engine restarting, the driver does not carry out any action on the vehicle for over 3 minutes, the Start&Stop system stops the engine definitely, to prevent fuel consumption. The engine can only be started using the key in such cases.

Note In any case, it is possible to keep the engine running by deactivating the Start&Stop system.

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IRREGULAR OPERATION

In the case of malfunctions the Start&Stop system is disabled. The driver is informed of the problem by the general failure warning light A fig. 70 switching on with an information message (where provided) and the system failure symbol B fig. 70 in the instrument panel.

Contact a Fiat Dealership.

CAR INACTIVITY

In the case of car inactivity, special attention must be paid during disconnection of the battery power supply.

Proceed as follows: detach connector A fig. 71 (by pressing button B) from sensor C for monitoring the charge status of the battery installed on the negative battery pole D.

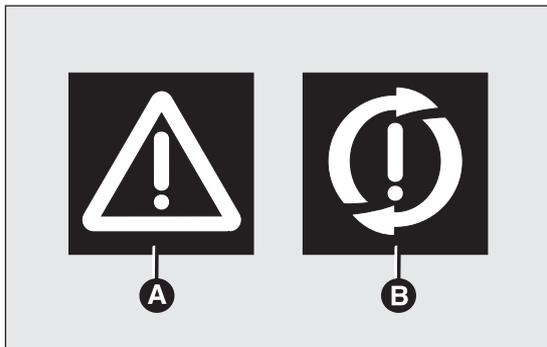


fig. 70

F0S0273

This sensor should never be disconnected from the battery pole except if the battery is replaced.



WARNING

When replacing the battery, always go to a Fiat Dealership. Replace the battery with one of the same type (HEAVY DUTY) and with the same specifications.

IMPORTANT After turning the ignition key to STOP, wait at least 1 minute before disconnecting the electrical supply to the battery.

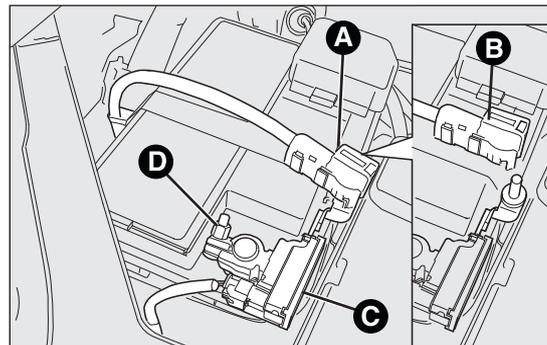


fig. 71

F0S0374

EMERGENCY STARTING

When jump starting, never connect the negative lead – fig. 72 of the auxiliary battery to the negative pole A fig. 72 of the car battery, rather to an engine/gearbox earth point.

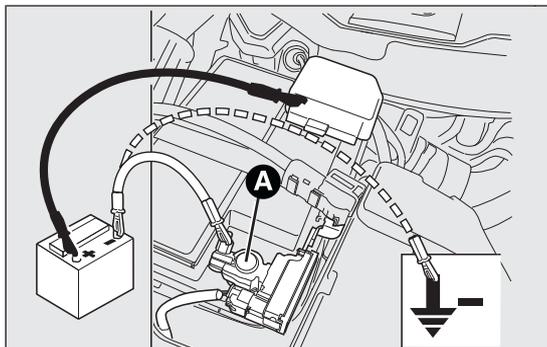


fig. 72

F0S0375

IMPORTANT NOTES



WARNING

Before opening the bonnet, make sure that the vehicle is switched off and the key is in the STOP position. Follow the instructions on the dedicated label on the front crossmember fig. 73. It is advisable to extract the key when there are other people in the car. The car should always be left after the key has been removed or turned to the STOP position. When refuelling, make sure that the car is switched off with the key in the STOP position.

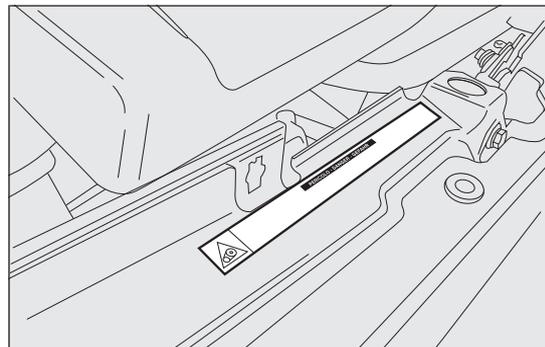


fig. 73

F0S0276

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**WARNING**

For cars with Dualogic gearbox, if the engine is automatically stopped on a slope, the engine should be restarted by moving the gear lever to + or – without releasing the brake pedal. For vehicles with Dualogic transmission, where the Hill Holder function is present, in case of stop downhill the motor does not cut off automatically, so as to make the Hill Holder function - which is active only when the engine is running - available.

SOUND SYSTEM

(for versions/markets, where provided)

For the operation of the radio with CD/MP3 player (for versions/markets where provided), read the Supplement attached to this Owner Handbook.

STANDARD EQUIPMENT

The system consists of:

- radio supply cables
- radio housing
- front and rear speaker housing.

For speaker installation, contact a Fiat Dealership.

The radio should be fitted in the specific housing inside the oddment compartment, where the power supply cables are available.



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

SETUP

(for versions/markets, where provided)

In addition to the standard equipment the vehicle also features:

- two 165 mm diameter 40 W mid-woofer speakers, in one of the front doors
- two 38 mm diameter 30 W tweeter speakers, in the front pillars
- aerial supply cable
- front speaker power cables
- radio supply cables
- roof-mounted aerial.

RADIO

(for versions/markets, where provided)

The complete system consists of:

- two 165 mm diameter 40 W mid-woofer speakers, each in one of the front doors
- two 38 mm diameter 30 W tweeter speakers, in the front pillars
- two 165 mm diameter 40 W full range speakers, in the rear side panels
- an aerial on the vehicle roof
- radio with CD/MP3 player (for specifications and operation, refer to the supplement “Car radio” annexed to this Handbook).

If there is a Hi-Fi system (where provided):

- two 165 mm diameter 60 W mid-woofer speakers

- two 40 W tweeter speakers in the front pillars
- two 40 W max full range speakers in the rear side panels
- a 60 W subwoofer under the right-hand front seat
- a 4x30 W amplifier in the right-hand rear side panel
- an aerial on the roof
- radio with CD/MP3 player (for specifications and operation, refer to the supplement “Car radio” annexed to this Handbook).

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ACCESSORIES PURCHASED BY THE OWNER

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

INSTALLING ELECTRICAL/ELECTRONIC DEVICES

Electrical and electronic devices installed after buying the car in the context of after-sales service must carry the label (see fig. 74).

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



fig. 74

IMPORTANT Traffic police may not allow the car on the road if devices have been installed which modify the features of the car. This may also cause invalidation of warranty in relation to faults caused by the change 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 instructions provided.

RADIO TRANSMITTERS AND MOBILE PHONES

Radio transmitter equipment (vehicle mobile phones, CB radios, amateur radio etc.) cannot be used inside the car unless a separate aerial is mounted externally.

IMPORTANT The use of these devices inside the passenger compartment (without an external aerial) may cause the electrical systems to malfunction. This could compromise the safety of the vehicle in addition to constituting a potential hazard for passengers' health. In addition, transmission and reception of these devices may be affected by the shielding effect of the car body. As far as the use of EC-approved mobile phones is concerned (GSM, GPRS, UMTS), follow the usage instructions provided by the mobile phone manufacturer.

AT THE FILLING STATION

PETROL ENGINES

Use unleaded petrol only, with octane number (R.O.N.) not 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 amounts or in an emergency, as this would damage the catalytic converter beyond repair.

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 car for a long time in the mountains or cold areas,

it is advisable to refuel using locally available diesel. In this case, it is also advisable to keep the tank over 50% full.



For diesel engines, only use diesel fuel for motor vehicles in accordance with EN 590 European Standards. 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 refuel with another type of fuel, do not start the engine, and drain the tank. If the engine has been run for even an extremely limited amount of time, you must not only drain the fuel tank, but the rest of the supply circuit as well.

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

Cap B fig. 75 is fitted with loss prevention device C which secures it to flap A.

Unscrew cap B using the ignition key. 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 fig. 75.

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**WARNING**

Do not bring open flames or lit cigarettes near to the fuel tank opening: fire risk. Keep your face away from the fuel filler to prevent breathing in harmful vapours.

FUEL CUT-OFF SYSTEM

This intervenes in the event of impact with the following measures:

- cut off of the fuel supply with the engine consequently cutting out
- automatic unlocking of the doors
- switching on of the internal lights.

When the system has been triggered, the message “Fuel cut off, see handbook” is displayed on the instrument panel.

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

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

The following procedure should be carried out to restore the correct operation of the vehicle:

- turn the ignition key to the MAR-ON position
- activate the right direction indicator
- deactivate the right direction indicator
- activate the left direction indicator
- deactivate the left direction indicator
- activate the right direction indicator
- deactivate the right direction indicator
- activate the left direction indicator
- deactivate the left direction indicator

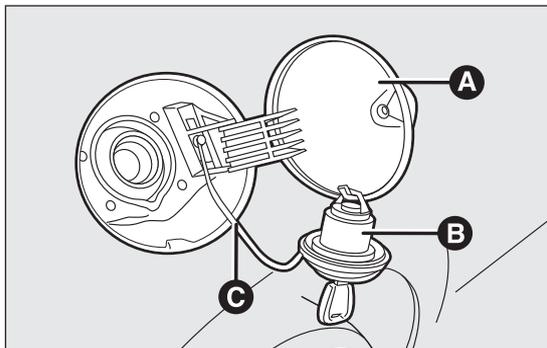


fig. 75

F0S0104

- turn the ignition key to the STOP position
- turn the ignition key to the MAR-ON position.



WARNING

If, after an impact, you smell fuel or notice leaks from the fuel system, do not reactivate the system to avoid the risk of fire.

PROTECTING THE ENVIRONMENT

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

- three-way catalytic converter (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 (EGR)
- 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.

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DIESEL PARTICULATE FILTER (DPF) (Multijet versions with DPF only)

SAFETY

The Diesel Particulate Filter is a mechanical filter, integral with the exhaust system, that physically traps 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.

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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 particulate has been trapped by the filter.

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

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If the dedicated message is displayed, refer to the "Warning lights and messages" chapter.

SAFETY

SEAT BELTS

USING THE SEAT BELTS

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

To fasten the seat belts, hold the tongue A fig. 76 and insert it into the buckle B fig. 76, until it clicks into place.

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 fig. 76. 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.

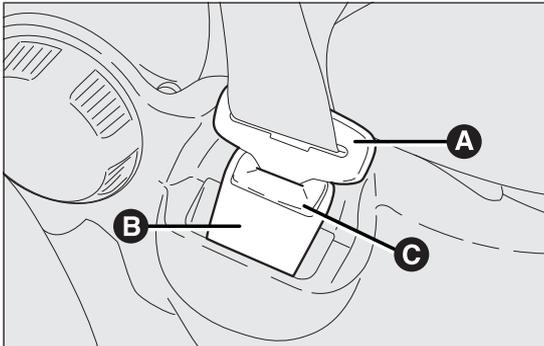


fig. 76

F0S0077



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 sharply or in the event of sudden braking, collisions and high-speed bends.

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



WARNING

Remember that in the event of an accident, the rear seat passengers not wearing seat belts are exposed to a very serious risk and also represent a serious danger for the front seat occupants.

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SBR SYSTEM

(for versions/markets, where provided)

The car is provided with the SBR (Seat Belt Reminder) system, which warns the driver and the front passenger if their seat belts are not fastened, as follows:

- warning light  switched on constantly and continuous beep for the first 6 seconds;
- warning light  flashes and intermittent beep for the next 96 seconds.

For permanent deactivation, contact a Fiat Dealership.

The SBR system can be reactivated through the display setup menu.

PRETENSIONERS

The car is equipped with front seat belts pretensioners, that reduce slack in the belts in the event of a severe frontal impact. This guarantees the perfect adherence of the seat belts to the occupants' bodies before the restraining action begins.

The retractors lock to indicate that the pretensioner has intervened.

This car is also equipped with a second pretensioner (in the kick plate area). Its activation is signalled by the shortening of the metal cable.

A slight discharge of smoke may be produced during the activation of the pretensioner which is not harmful and does not involve any fire hazard.

IMPORTANT To obtain the highest degree of protection from the action of the pretensioner, wear the seat belt tight to the chest and pelvis.

The pretensioner does not require any maintenance or lubrication: any changes to its original conditions will invalidate its efficiency. If, due to unusual natural events (floods, sea storms, etc.), the device has been affected by water and mud, it must be replaced.



WARNING

The pretensioner may be used only once. Contact a Fiat Dealership to have it replaced after it has been deployed.



Operations which lead to impacts, vibrations or localised heating (over 100°C for a maximum of six hours) in the area around the pretensioner may damage or deploy it. Contact a Fiat Dealership should intervention be necessary on these components.

LOAD LIMITERS

To increase occupant safety, the retractors of the safety belts contain a load limiter to dose the force acting on the chest and shoulders during the belt restraining action in the case of frontal 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 setting off.

Seat belts are also to be worn by pregnant women: 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.

Pregnant women must position the lower part of the belt very low down so that it passes over the pelvis and under the abdomen (see fig. 77). The best way to protect the unborn child is to protect the mother. When a safety belt is worn properly, it is more likely that the unborn child will not be hurt in a

crash. For pregnant women, as for anyone, the key to making safety belts effective is wearing them properly.



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 pelvis. 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 or even death in the event of an accident. Removing or otherwise tampering with seat belt and pretensioner components is strictly prohibited. Any operations on these components must be performed by qualified and authorised technicians. Always go to a Fiat Dealership.

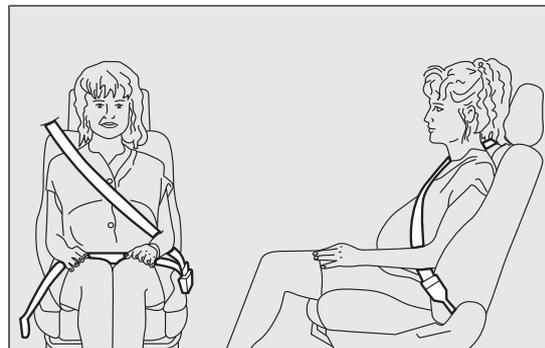


fig. 77

F0S0078

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IMPORTANT The seat 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. 78) rather than the abdomen of the occupant. Never use devices (clips, clamps, etc.) to hold the seat belt away from your body.

IMPORTANT Each seat belt must be used by only one person. Never travel with a child sitting on the passenger's lap and a single belt to protect them both fig. 79. In general, do not place any objects between the person and the belt.

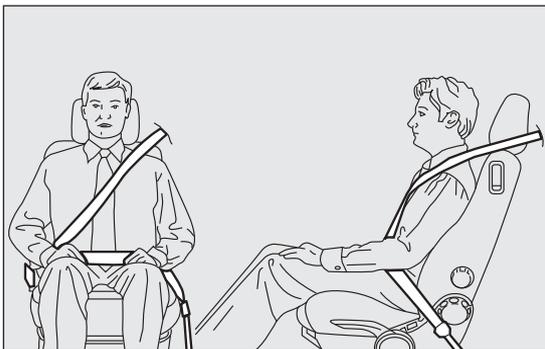


fig. 78

F0S0079

**WARNING**

If the belt has been subjected to a high level of stress, for example after an accident, it must be completely replaced together with the attachments, attachment fixing screws and the pretensioner. In fact, even if the belt has no visible defects, it could have lost its resilience.

SEAT BELTS MAINTENANCE

Observe the following precautions for correct seat belt maintenance:

- always use the seat belt with the strap well stretched and not twisted; make sure that it is free to run without obstructions;
- check seat belt operation as follows: attach the seat belt and pull it hard;



fig. 79

F0S0080

- ❑ replace the belt after an accident of a certain severity even if it does not appear to be damaged. Always replace the seat belt if the pretensioners were deployed;
- ❑ to clean the seat belts, wash by hand with water and neutral 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 it shows wear or cuts.

CARRYING CHILDREN SAFELY

All vehicle's occupants must be protected, babies and children included!

For optimal protection in the event of a collision, all passengers must be seated and wearing adequate restraint systems.

This prescription is compulsory in all EC countries according to EC Directive 2003/20/EC.

This is even more important for children since their head is larger and heavier than an adult's in proportion to their body, while their muscular and bone structures are not fully developed.

Therefore, correct restraint systems other than adult seat belts are necessary to reduce as much as possible the risk of injuries in case of accident, braking or sudden manoeuvre.

Children must be suitably restrained inside the vehicle according to their weight. Several child restraint system types are available; always choose the one most suitable for the child.

Over 1.50 m in height, from the point of view of restraint systems, children are considered as adults and wear the seat belts normally.

The results of research on the best child restraint systems are contained in the European Standard ECE-R44, which enforces the use of restraint systems classified into five weight groups:

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Group	Weight groups
Group 0	up to 10 kg of weight
Group 0+	up to 13 kg of weight
Group 1	9-18 kg in weight
Group 2	15-25 kg in weight
Group 3	22-36 kg of weight

**WARNING**

SEVERE DANGER: When an active passenger airbag is fitted, **DO NOT install rearward facing child restraint systems on the front seat. Deployment of the airbag in an accident could cause fatal injuries to the child. We recommend always transporting children in the rear seat, as this position is most protected during impact. If necessary, children can stay on the front seat, only if the passenger's front airbag can be disabled. In this case, check that the airbag is actually deactivated by making sure the warning light appears on the instrument panel (see "Passenger front airbag" in the "Front airbags" section). The passenger seat must also be positioned back as far as possible in order to avoid the child restraint system from coming into contact with the dashboard.**



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

Lineaccessori Fiat offers child restraint systems for each weight group. These devices are recommended, since they are specifically designed and tested for Fiat cars.

GROUP 0 and 0+

Infants up to 13 kg must be carried with rearward facing seat of a type as shown in fig. 80 which, supporting the head, does not induce stress on the neck in the event of sudden decelerations.

The rearward facing child restraint system is restrained by the car seat belts, as shown in fig. 80 and it must restrain the child in turn with its own belts.

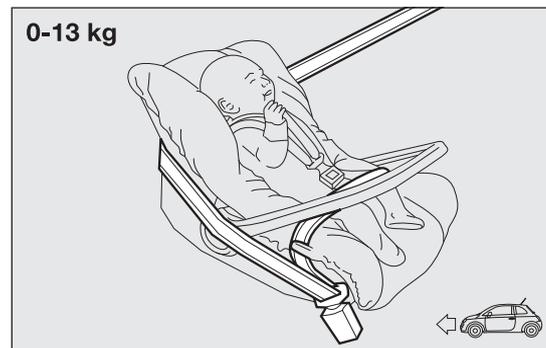


fig. 80

F0S0081



WARNING

The figures are only examples for fitting purposes. To install the child restraint system, refer to the instructions supplied with the same.

GROUP I

Children of weight from 9 to 18 kg may be carried in a forward facing seat fig. 81.



WARNING

The figures are only examples for fitting purposes. To install the child restraint system, refer to the instructions supplied with the same.

9-18 kg

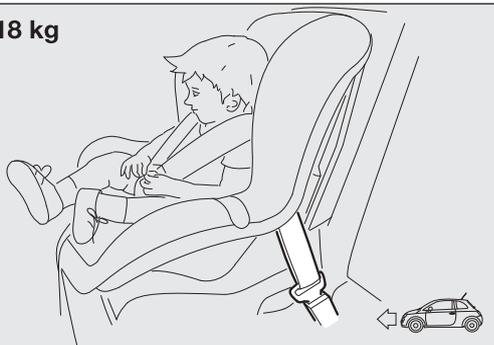


fig. 81

F0S0371

GROUP 2

Children from 15 to 25 kg may use the car seat belts directly fig. 82.

The child restraint system is used only to position the child correctly with respect to the belts so that the diagonal section crosses the child's chest and never the neck, and the lower part is snug on the pelvis not the abdomen.



WARNING

The figures are only examples for fitting purposes. To install the child restraint system, refer to the instructions supplied with the same.

15-25 kg

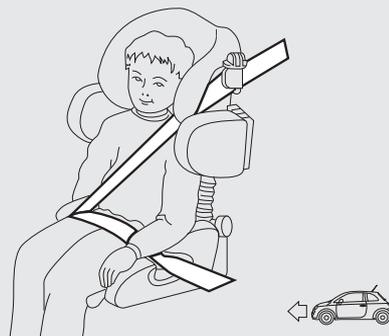


fig. 82

F0S0083

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GROUP 3

For children from 22 kg up to 36 kg suitable risers are available to position the seat belt correctly.

The fig. 83 shows the correct child restraint system positioning on the rear seat.

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

**WARNING**

The figures are only examples for fitting purposes. To install the child restraint system, refer to the instructions supplied with the same.

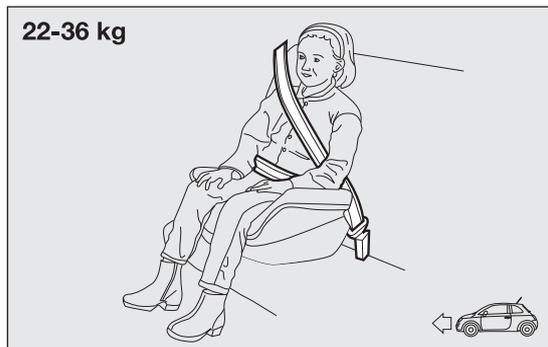


fig. 83

F0S0084

PASSENGER SEAT COMPLIANCE FOR USING UNIVERSAL CHILD RESTRAINT SYSTEMS

The Fiat  complies with the European Directive 2000/3/EC which governs the arrangement possibilities for child restraint systems on the various seats of the car as shown in the following table:

Group	Weight groups	Front passenger seat	Rear passenger 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

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

Below is a summary of the main safety rules to be followed to carry children safely:

- Install the child restraint systems on the rear seat, which is the most protected position in the event of an accident.
- If the passenger's airbag is deactivated always check the warning light (amber) on the instrument panel to make sure that it has actually been deactivated.
- Carefully follow the instructions supplied with the child restraint system which are mandatory by law. Keep the instructions in the car along with the other documents and this handbook. Do not use second-hand child restraint systems without instructions.
- Always check that the seat belt is well fastened by pulling on it.
- Only one child is to be strapped into each retaining system; never carry two children using one child restraint system.
- Always check that the seat belts do not restrain the child's throat.
- While travelling, do not let the child sit incorrectly or release the belts.
- Never allow a child to put the belt diagonal section under an arm or behind his back.
- Never carry children on your lap, even newborns. No-one can restrain a child in the event of an accident.
- In the event of an accident, replace the child's seat with a new one.

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UNIVERSAL ISOFIX CHILD RESTRAINT SYSTEM ASSEMBLY SETUP

The car is equipped with ISOFIX anchorages, a new European standard which makes fitting a child restraint system quick, simple and safe.

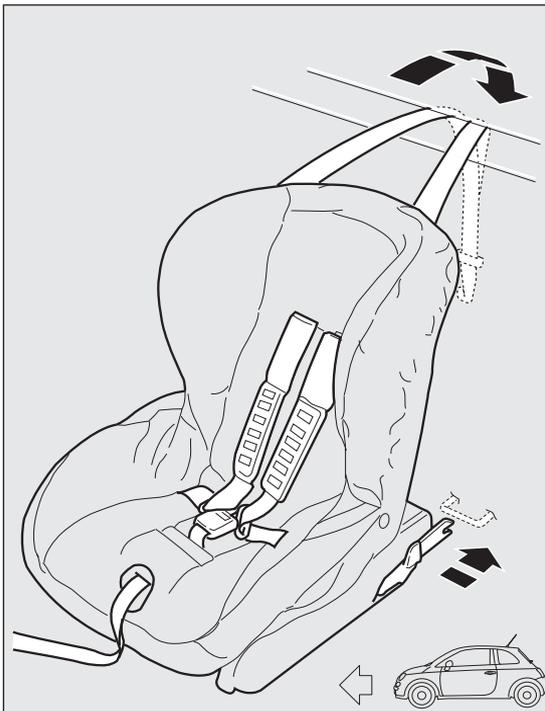


fig. 84

F0S0132

Traditional child restraint systems can be fitted alongside Universal Isofix child restraint systems. An example of Universal Isofix child restraint system covering weight group I is shown in fig. 84. Specific Isofix child restraint systems cover the other weight groups. These seats must be used only if specifically designed, tested and type-approved specifically for this car (see the list of cars attached to the child restraint system).

Due to its different fixing system, the child restraint system must be anchored to the dedicated lower metal rings A fig. 85, located between rear seat backrest and cushion.

After removing the parcel shelf, secure the upper belt (provided with the child's seat) to specific ring B fig. 86 located between the rear backrest and the boot floor.

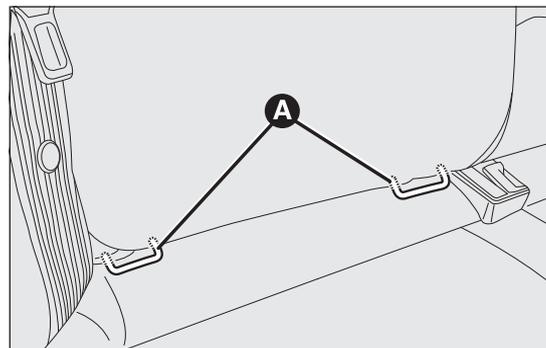


fig. 85

F0S0133

Remember that, in the case of Universal Isofix child restraint systems, you can use all restraint systems bearing the marking ECE R44 (R44/03 or later updates) "Universal Isofix".



WARNING

If a Universal Isofix child restraint system is not fixed to all three anchorages, the child restraint system will not be able to protect the child correctly. In a crash, the child could be seriously or fatally injured.

The Universal Isofix "Duo Plus" child restraint system and the special "G 0/1" restraint system are available from Lineaccessori Fiat.

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

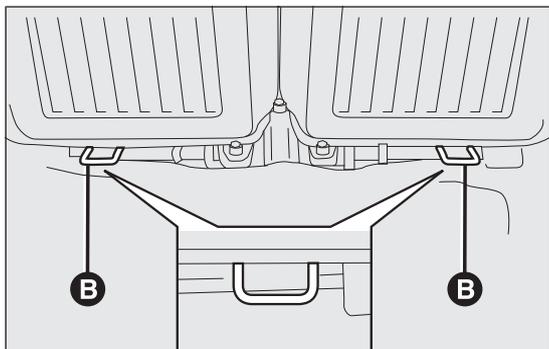


fig. 86

F0S0134



WARNING

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

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PASSENGER SEAT COMPLIANCE FOR USING UNIVERSAL ISOFIX CHILD RESTRAINT SYSTEMS

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 restraint system position	Isofix size class	Rear side Isofix position
Group 0 up to 10 kg	Rearward facing	E	X
Group 0+ up to 13 kg	Rearward facing	E	X
	Rearward facing	D	X
	Rearward facing	C	X
	Rearward facing	D	X
Group 1 - 9 to 18 kg	Rearward facing	C	X
	Forward facing	B	IUF
	Forward facing	BI	IUF
	Forward facing	A	IUF

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

IUF: suitable for Isofix child restraint systems to be positioned facing forward, universal class (fitted with third upper mounting), approved for the relevant weight group.

AIR BAG

The car is provided with front airbags for the driver and the passenger, driver's knee bag (for versions/markets, where provided), front side bags (for versions/markets, where provided) and window bags.

FRONT AIR BAGS

The front driver/passenger airbags and the driver's knee bag (for versions/markets, where provided) protect the front seat occupants in the event of frontal impacts of medium/high severity, by placing the bag between the occupant and the steering wheel or dashboard.

Therefore non-activation in other types of collisions (side collisions, rear shunts, roll-overs, etc.) is not a system malfunction.

An electronic control unit causes the bag to inflate in the event of a head-on crash.

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

Front airbags are not a replacement of but complementary to the seat belts, which you are recommended to always wear, as specified by law in Europe and most non-European countries.

In the event of an impact, someone not wearing a seat belt will move forward and come into contact with the bag which is still in the opening stage.

The protection offered by the bag is compromised in these circumstances.

Front airbags may not be activated in the following situations:

- front collisions against highly deformable objects not affecting the front surface of the car (e.g. bumper collision against guard rail, etc.);
- car wedging under other vehicles or protective barriers (e.g. trucks or guard rails);

they may not provide any additional protection compared with seat belts, so their activation would be inappropriate. Lack of deployment in such cases is consequently not the sign of a fault.



WARNING

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

The front air bags (driver, passenger, driver's knee bags) are designed and calibrated to protect front seat passengers wearing seat belts.

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Their volume at the moment of maximum inflation fills most of the space between the steering wheel and the driver, between the lower post guard and the knees on passenger side and between the dashboard and the passenger.

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

Driver's side front airbag

This consists of an instantly inflating bag contained in a special recess in the centre of the steering wheel. fig. 87.

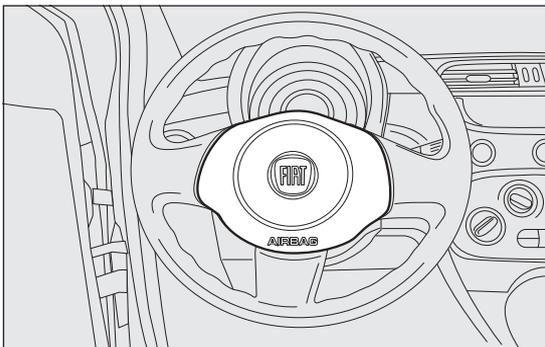


fig. 87

F0S0085

Passenger side front airbag

This consists of an instantly inflating bag contained in a special recess in the dashboard fig. 88 : this bag has a larger volume than that of the driver's.

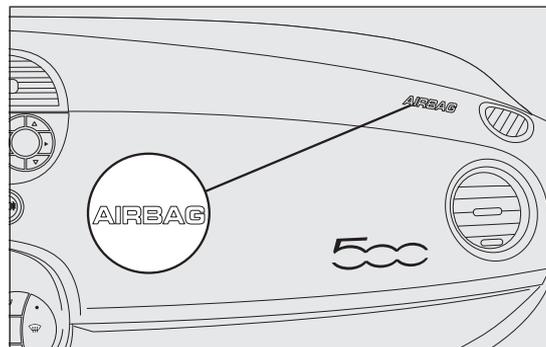


fig. 88

F0S0086



WARNING



SEVERE DANGER: When an active passenger airbag is fitted, **DO NOT** install rearward facing child restraints on the front seat. Deployment of the airbag in an accident could cause fatal injuries to the child regardless of the severity of the impact. Therefore, always deactivate the passenger airbag when a rearward facing child restraint system is installed on the front passenger seat. The front passenger seat must also be positioned back as far as possible in order to avoid the child restraint system from coming into contact with the dashboard. **Immediately reactivate the passenger airbag as soon as the child restraint system has been removed.**

Passenger front airbag and child restraint system



WARNING

NEVER install rearward facing child restraint systems on the front passenger seat protected by an **ACTIVE AIRBAG**: risk of **DEATH** or **SEVERE INJURIES TO THE CHILD**. Deployment of the airbag in an accident could cause fatal injuries or severe injuries to the baby regardless of the severity of the collision.

ALWAYS comply with the instructions on the label stuck on both sides of the sun visor.

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Passenger front airbag and child restraint system:WARNING

I	RISCHIO DI FERITE GRAVI O MORTALI. I seggiolini bambino che si montano nel verso opposto a quello di marcia non vanno installati sui sedili anteriori in presenza di air bag passeggero attivo.
GB	DEATH OR SERIOUS INJURY CAN OCCUR. NEVER use a rearward facing child restraint on a seat protected by an ACTIVE AIRBAG in front of it, DEATH or SERIOUS INJURY to the CHILD can occur
F	RISQUE DE MORT OU DE BLESSURES GRAVES. NE PAS positionner le siège pour enfant tourné vers l'arrière, en cas d'air bag passager actif.
D	Nichtbeachtung kann TOD oder SCHWERE VERLETZUNGEN zur Folge haben. Rückwärts gerichtete Kinderrückhaltesysteme (Babyschale) dürfen nicht in Verbindung mit aktiviertem Beifahrerairbag auf dem Beifahrersitz verwendet werden
NL	DIT KAN DODELIJK ZIJN OF ERNSTIGE ONGELUKKEN VEROORZAKEN. Plaats het kinderstoeeltje niet ruggelings op de voorstoel wanneer er een airbag aanwezig is.
E	PUEDE OCACIONAR MUERTE O HERIDAS GRAVES. NO ubicar el asiento para niños en sentido inverso al de marcha en el asiento delantero si hubiese airbag activo lado pasajero.
PL	MOŻE GROZIĆ ŚMIERĆ I LUB CIĘŻKIMI OBRAŻENIAMI. NIE WOLNO umieszczać fotelika dziecięcego tyłem do kierunku jazdy na przednim siedzeniu w przypadku zainstalowanej aktywnej poduszki powietrznej pasażera.
TR	ÖLÜM VEYA AĞIR ŞEKİLDE YARALANMAYA SEBEP OLABİLİR. Yolcu airbağı aktif halde iken çocuk koltuğunu araç gidiş yönüne ters biçimde yerleştirmeyin.
DK	FARE FOR DØDELIGE KVÆSTELSER OG LIVSTRUENDE SKADER. Placer aldrig en bagudvendt barnestol på passagerersædet, hvis passager-airbagen er indstillet til at være aktiv (on).
EST	TAGAJÄRJEKS VÕIVAD OLLA TÕSISED KEHAVIGASTUSED VÕI SURM. Turvapadja olemasolu korral ärge asetage lapse turvaistet sõidusuunaga vastasuunas.
FIN	KUOLEMANVAARA TAI VAKAVIEN VAMMOJEN UHKA. Älä aseta lasten turvaistuinta niin, että lapsi on selkä menosuuntaan, kun matkustajan airbag on käytössä.
P	RISCO DE MORTE OU FERIMENTOS GRAVES. Não posicionar o banco para crianças numa posição contrária ao sentido de marcha quando o airbag de passageiro estiver activo.
LT	GALI IŠTIKTI MIRTIS ARBA GALITE RIMTAI SUSIŽEISTI. Nedėkite vaiko sėdynės atgretžtos nugarą į priekinį automobilio stiklą ten, kur yra veikiančios keleivio oro pagalvės.
S	KAN VARA LIVSHOTANDE ELLER LEDA TILL ALLVARLIGA SKADOR. Placera aldrig en bakåtvänd barnstol i framsätet då passagerarsidans krockkudde är aktiv.
H	HALÁSOS VAGY SÚLYOS BALESET KÖVETKEZHET BE. Ne helyezzük a gyermekülést a menetiránnyal szembe, ha az utas oldalán légszák működik.
LV	VAR IZRAISĪT NĀVI VAI NOPIETNAS TRAUMAS. Nenovietot mazuļa sēdekli pretēji braukšanas virzienam, ja pasažiera pusē ir uzstādīts gaisa spilvens.
CZ	HROZÍ NEBEZPEČÍ VÁŽNÉHO UBLIŽENÍ NA ZDRAVÍ NEBO DOKONCE SMRTI. Neumistujte dětskou sedačku do opačné polohy vůči směru jízdy v případě aktivního airbagu spolujezdce.
SLO	LAHKO PRIDE DO SMRTI ALI HUDIH POŠKODB. Otroškega avtomobilskega sedišča ne nameščajte v obratni smeri vožnje, če ima vozilo vgrajene zračne blazine za potnike.
RO	SE POATE PRODUCÉ DECESUL SAU LEZIUNI GRAVE. Nu așezați scaunul de mașină pentru bebeluși în poziție contrară direcției de mers atunci când airbag-ul pasagerului este activat.
GR	ΜΠΟΡΕΙ ΝΑ ΠΡΟΚΛΗΘΟΥΝ ΘΑΝΑΤΟΣ Ή ΣΟΒΑΡΑ ΤΡΑΥΜΑΤΑ. Μην τοποθετείτε το καρεκλάκι αυτοκινήτου για παιδιά σε αντίθετη προς την φορά πορείας θέση σε περίπτωση που υπάρχει αερόσακος εν ενεργεία στη θέση συνεπιβάτη.
BG	ИМА ОПАСНОСТ ОТ СМЪРТ И СЕРИОЗНИ НАРАНЯВАНИЯ. Не поставяйте столчето за пренасяне на бебета в положение обратно на посоката на движение, при положение активно на въздушната възглавница за пътуване.
SK	MŮŽE NASTAŤ SMRŤ ALEBO VÁŽNE ZRANENIA. Nedávajte autosedačku pre deti do polohy proti chodu vozidla, keď je aktívny airbag spolujazdca.
RUS	ТРАВМЫ И ЛЕТАЛЬНЫЙ ИСХОД. Детское кресло, устанавливающееся против направления движения, нельзя монтировать на месте переднего пассажира, если последнее оборудовано активной подушкой безопасности.
HR	OPASNOST OD TEŠKIH ILI SMRTONOSNIH OZLJEDA. Sjedala za djecu koja se montiraju u smjeru suprotnom od vožnje ne smiju se instalirati na prednja sjedala ako postoji aktivni zračni jastuk suvozača.

Driver's side knee bag

(for versions/markets, where provided)

It consists of an instantly inflating cushion housed into a special compartment under the lower post guard fig. 90 at driver's knee level, designed to give further protection in the event of a head-on crash.

Deactivating the passenger side airbags: front airbag and front side bag

(for versions/markets where provided)

If a child must be carried on the front seat in a backwards facing child seat, deactivate the passenger side front airbag and front side bag (for versions/markets, where provided).

The instrument panel warning light  will stay on constantly until the passenger's front airbag and the front side bag are reactivated (for versions/markets, where provided).

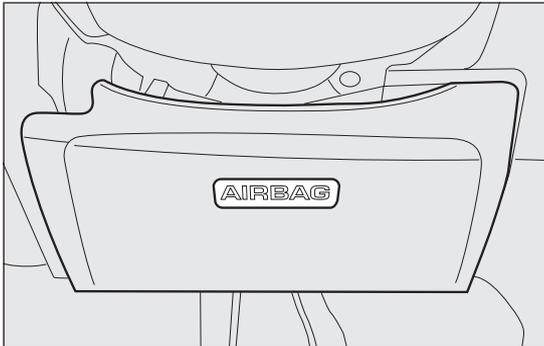


fig. 90

F0S0105

IMPORTANT To manually deactivate the passenger's front airbag and the front side bag (for versions/markets, where provided), refer to section "Knowing your car", paragraphs "Multifunction display".

The instrument panel warning light  will stay on constantly until the passenger's front air bag and the Side Bag for chest protection are reactivated (for versions/markets where provided).

IMPORTANT To manually deactivate the passenger's front air bag and the Side Bag for chest protection (for versions/markets where provided), refer to section "Knowing your car", paragraphs "Multifunction display".

SIDE AIR BAGS: Side Bag (for versions/markets, where provided) and Window Bag

Side bag (for versions/markets, where provided)

These comprise two instantly inflating bags located in the front seat backrests fig. 91 which protect the pelvis, chest and shoulder area of the occupants in the event of a side impact of medium/high severity.

Window bags

This is formed by two "curtain" window bags located behind the side roof cover fig. 92 and covered by special trim. They are designed to protect the head of front passengers in the event of side collisions, thanks to the wide cushion inflation surface.

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IMPORTANT In the event of a side impact, the system provides best protection if the passenger sits on the seat in a correct position, thus allowing correct window bag deployment.

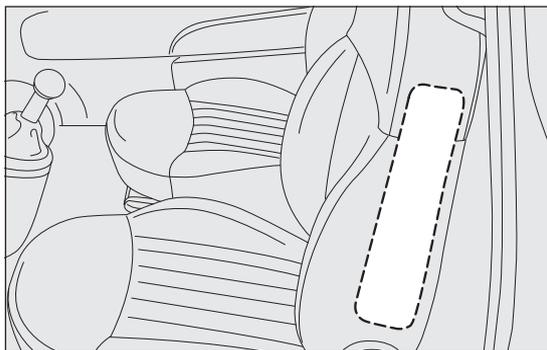


fig. 91

F0S0087



fig. 92

F0S0106

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

IMPORTANT A small amount of dust will be released when the airbags are deployed. The dust is not harmful 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 by a dusty residue: this may irritate skin and eyes. Wash with mild soap and water in the event of exposure.

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

Every control, repair and replacement operation concerning the airbags must only be carried out at a Fiat Dealership. If the car is scrapped, have the system deactivated at a Fiat Dealership.

IMPORTANT Pretensioners, front air bags and side bags are deployed according to different logics on the basis of the type of collision. Failure to deploy of one of the devices does not necessarily indicate a system malfunction.



WARNING

Do not rest your head, arms or elbows on the door, on the windows or in the window bag area to prevent injury during deployment. Never lean your head, arms or elbows out of the window.



WARNING

Do not travel carrying objects in your lap, in front of your chest or between your lips (pipe, pencils, etc.): they could cause severe injury if the airbag is deployed.



WARNING

Always drive with your hands on the rim of the steering wheel rim so that the airbag can inflate freely if required. Do not drive with your body bent forward. Keep your back straight against the backrest.



WARNING

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



WARNING

Do not cover the front seat backrests with extra covers if they are equipped with side bags.

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**WARNING**

When the ignition key is in and turned in the MAR-ON position and the engine is off, the airbags may deploy if the car is crashed by another moving vehicle. Therefore, even if the car is stationary, when an active passenger airbag is fitted, **DO NOT** install rearward facing child restraint systems on the front passenger seat. Deployment of the airbag following an impact could cause fatal injuries to the child. Therefore, always deactivate the passenger airbag when a rearward facing child restraint system is installed on the front passenger seat. The front passenger seat must also be positioned back as far as possible in order to avoid the child restraint system from coming into contact with the dashboard. Immediately reactivate the passenger airbag as soon as the child restraint system has been removed. Also remember that, if the key is turned to STOP, none of the safety devices (airbags or pretensioners) will be deployed in the event of collision. Non-deployment in such cases does not indicate a system malfunction.

**WARNING**

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

**WARNING**

Do not wash the seats with water or pressurised steam (wash by hand or at automatic seat washing stations).

**WARNING**

The airbag deployment threshold is higher than that of the 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.

STARTING AND DRIVING

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 the section “Getting to know your car”.

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 chosen for your car was designed to limit maintenance interventions.



We recommend that during the initial period you do not demand full performance from the car (e.g. excessive acceleration, long journeys at top speed, sharp braking etc.).



When the engine is switched off never leave the key turned to MAR-ON to prevent useless current absorption from draining the battery.



WARNING

It is dangerous to have the engine running indoors. The engine consumes oxygen and engine exhaust contains carbon dioxide, carbon monoxide and other toxic gasses.



WARNING

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

STARTING PROCEDURE FOR PETROL VERSIONS

Proceed as follows:

- operate the handbrake;
- put the gear lever into neutral;
- press the clutch pedal down to the floor without touching the accelerator;
- turn the ignition key to AVV and release it as soon as the engine starts.

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

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

Contact a Fiat Dealership if you still cannot start the engine.

STARTING PROCEDURE FOR DIESEL VERSIONS

Proceed as follows:

- operate the handbrake;
- put the gear lever into neutral;
- turn the ignition key to MAR-ON: the warning lights  and  on the instrument panel will turn on;
- wait for the warning lights  and  to switch off. The hotter the engine is, the quicker this will happen;
- press the clutch pedal down to the floor without touching the accelerator;
- turn the ignition key to AVV as soon as warning light  switches 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 attempting to start again.

If, when the ignition key is at MAR-ON the  warning light remains lit, turn the key to STOP and then back to MAR-ON; if the warning light remains lit, 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 with 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 revs. Do not accelerate abruptly;
- Do not demand full performance at first. Wait until the engine coolant temperature gauge starts moving.



Never jump start the engine by pushing, towing or coasting downhill. This could cause fuel to flow 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 stopping the engine serves no practical purpose; it wastes fuel and is especially damaging to turbocharged engines.

HANDBRAKE

The handbrake is located fig. 93 between the two front seats.

Pull the lever upwards to operate the handbrake until the car is locked.



WARNING

The car should be braked after a few clicks of the lever, if it is not, contact a Fiat Dealership to have it adjusted.

When the handbrake is on and the ignition key is at MAR-ON, the instrument panel warning light (ⓘ) will come on.

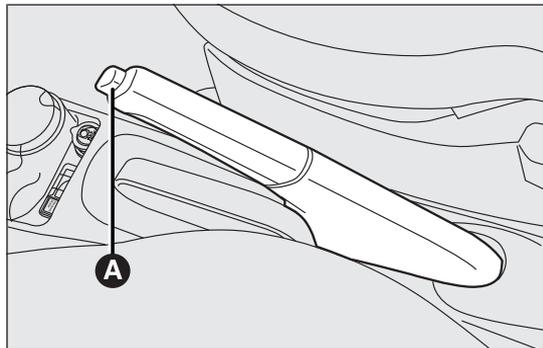


fig. 93

F0S0048

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Proceed as follows to release the handbrake:

- slightly lift the handbrake and press release button A fig. 93;
- keep button A pressed and lower the lever. The (!) warning light in the instrument panel will go out.

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

PARKING

Proceed as follows:

- stop the engine and engage the handbrake;
- engage a gear (first gear if parked uphill or reverse if facing downhill) and leave the wheels turned.

Block the wheels with a wedge or a stone if the car is parked on a steep slope.

Do not leave the ignition key at MAR-ON to avoid draining the battery. Always remove the key when you leave the car.

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

USING THE MANUAL GEARBOX

To engage the gears, press the clutch pedal fully and put the gear lever into the required position (the diagram is shown on the knob fig. 94).

For cars provided with 6-speed gearbox, to engage the 6th gear, operate the lever by pressing it towards the right in order to avoid engaging the 4th gear by mistake. The same applies to the shift from the 6th to the 5th gear.

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 fig. 94 under the knob and shift the lever to the right and back.

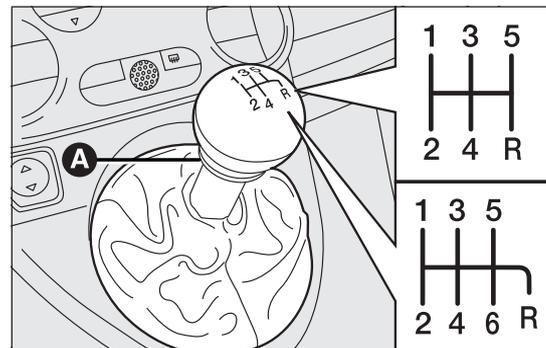


fig. 94

F0S0076

IMPORTANT The clutch pedal should be used only for gear changes. Do not drive with your foot resting on the clutch pedal, however lightly. For versions/markets where provided, the electronic clutch control could cut in, interpreting the incorrect driving style as a fault.



WARNING

Press the clutch pedal fully to change gears correctly. It is therefore essential that there is nothing under the pedals: make sure the mats are lying flat and do not get in the way of the pedals.



Do not drive with your hand resting on the gear lever as the force exerted, even if slight, could lead over time to premature wear on the gearbox internal components.

SAVING FUEL

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

The general factors that affect fuel consumption are listed below.

Car maintenance

Have checks and adjustments carried out in accordance with the “Scheduled Servicing Plan”.

Tyres

Check the tyre pressures at least once every four 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 ride greatly affects consumption and stability.

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Accessories installed on roof bars

Remove accessories like: roof bars, ski racks, luggage container, etc. from the roof if they are no longer used. These accessories lower air penetration and adversely affect consumption levels. When transporting particularly large objects, use a trailer if possible.

Electric devices

Use electrical devices only for the amount of time necessary. The heated rear window, additional headlights, windscreen/rear window wipers and heater fan need a considerable amount of energy, therefore increasing fuel consumption (by up to 25% in the urban cycle).

Climate control system

Air conditioning leads to higher fuel consumption (on average up to +20%). If the temperature outside permits, try and use the air vents.

Spoilers

The use of non-certified spoilers may adversely affect air drag and fuel consumption.

DRIVING STYLE

The main driving styles that affect fuel consumption are listed below.

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 declutching 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.

Max. speed

Fuel consumption increases considerably with speed. Maintain a constant speed, avoiding unnecessary braking and acceleration, which cost in terms of both fuel consumption and emissions.

Acceleration

Accelerating violently will greatly affect consumption and emissions: acceleration should be gradual.

USAGE CONDITIONS

The main usage conditions that negatively affect fuel consumption are listed below.

Cold starting

Short journeys and frequent cold starts do not allow the engine to reach optimum operating temperature. This results in a significant increase in consumption levels (from +15 to +30% on the urban cycle) and emissions.

Traffic and road conditions

Rather high consumption levels are linked 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. Winding mountain roads and rough road surfaces also 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 distances 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 the car's loading capacity by the same amount. To make sure that 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.

Respect the speed limits specific to each country for vehicles towing trailers.

In any case, the maximum speed must not exceed 100 km/h.

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**WARNING**

The ABS with which the car may be equipped will not control the braking system of the trailer. Particular caution is required on slippery roads.

**WARNING**

Never modify the braking system of the car to control the trailer brake. The trailer braking system must be fully independent of the car's hydraulic system.

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 tyre for the customer's requirements.

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

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

Due to the specific characteristics of snow tyres, in normal weather conditions or on long motorway journeys, the performance of these tyres is lower than that of standard tyres. Their usage should therefore be restricted in accordance with their type approval.

IMPORTANT When using snow tyres with a maximum speed index below the one that can be reached by the car (increased by 5%), place a notice in the passenger compartment, plainly in view, which states the maximum speed allowed by 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 you should not change the rotation direction of the tyres.



WARNING

The max. speed for snow tyres with “Q” marking is 160 km/h. The Highway Code speed limits must however be always strictly observed.

SNOW CHAINS

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

Snow chains may be fitted to the tyres of the front wheels (drive wheels) only.

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 wheel. If a front tyre is punctured, replace a rear wheel with the space-saver wheel and move the rear wheel to the front axle. In this way, with two normal drive wheels at the front, snow chains can be fitted.



Keep your speed down when snow chains are fitted; do not exceed 50 km/h. Avoid potholes, steps and pavements and avoid driving for long distances on roads not covered with snow to prevent damaging the car and the roadbed.

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CAR INACTIVITY

If the car is to be left inactive for longer than a month, the following precautions should be observed:

- park the car in covered, dry and if possible well-ventilated premises and slightly open the windows;
- engage a gear and disengage the handbrake;
- disconnect the negative battery terminal and check charge (see paragraph “Battery - Charge and electrolyte level check” in chapter “Maintenance and care”);
- clean and protect the painted parts using protective wax;
- clean and protect the shiny metal parts using special compounds available commercially;
- sprinkle talcum powder on the rubber windscreen and rear window wiper blades and lift them off the glass;

- 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;
- do not drain the engine cooling system.

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WARNING LIGHTS AND MESSAGES

WARNING LIGHTS AND MESSAGES

GENERAL WARNINGS

Warning lights are accompanied by a specific message and/or sound when applicable. These indications are **concise and precautionary** and, as such, must not be considered as exhaustive and/or an alternative to the information contained in this Owner Handbook, which you are advised to read carefully in all cases. In the event of a failure indication, **always refer to the contents of 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 categories can be stopped by pressing the button MODE. The instrument panel warning light will stay on until the cause of the malfunction is eliminated.



**BRAKE FLUID LOW (red) /
HANDBRAKE ENGAGED (red)**

When the key is turned to the MAR-ON position the warning light comes on but should go out after a few seconds.

LOW BRAKE FLUID LEVEL

The warning light comes 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 vehicle immediately and contact a Fiat Dealership.

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HANDBRAKE APPLIED

The warning light turns on when the handbrake is engaged.

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

IMPORTANT If the warning light comes on when the car is in motion, check that the handbrake is not on.



AIRBAG FAILURE (red)

When the key is turned to the MAR-ON position the warning light comes on but should go out 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 stays on whilst driving, a failure may have occurred in the restraint systems. In this case the air bags or pretensioners may not be deployed in an impact or, in a lower number of cases, they may be deployed accidentally. Contact a Fiat Dealership immediately to have the system checked.



WARNING

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



FRONT PASSENGER AIRBAG DEACTIVATED (amber)

Warning light  switches on when the front passenger airbag is deactivated.

With the front passenger air bag enabled, when the ignition key is turned to MAR the warning light  switches on constantly for about 4 seconds, flashes for another 4 seconds and then should switch off.



WARNING

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 a fault in the restraint systems. Contact a Fiat Dealership immediately to have the system checked.



HOT ENGINE COOLANT (red)

When the key is turned to the MAR-ON position the warning light comes on but should go out 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:

- when driving normally:** stop the car, switch off the engine and check that the water level in the reservoir is not below the MIN mark. If it is, wait 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. Also check visually for any fluid leaks. If, when restarting, the warning light should come on again, contact a Fiat Dealership;
- if the vehicle is used under demanding conditions** (e.g. towing trailers uphill or fully loaded): slow down and, if the warning light stays on, stop the car. Stop for two or three minutes with the engine running and slightly accelerated to facilitate better coolant circulation, then turn the engine off. Check the correct coolant level as described above.

IMPORTANT Over demanding routes, it is advisable to keep the engine running and slightly accelerated for a few minutes before turning it off.

On some versions the display shows the dedicated message.

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LOW BATTERY CHARGE (red)

The warning light comes on when the ignition key is turned to MAR-ON, but it should go out as soon as the engine has started (with the engine running at idle speed a brief delay before going out is acceptable).

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



ABS SYSTEM FAILURE (amber)

When the key is turned to the MAR-ON position the warning light comes on but should go out after a few seconds.

The warning light will light up when the system is either not working or not available. In this case the braking system maintains its own unaltered efficiency but without the advantage of the ABS system. Drive carefully and contact a Fiat Dealership as soon as possible.

On some versions the display shows the dedicated message.



EBD FAILURE (red) (amber)

Simultaneous switching on of warning lights (ⓘ) and (ABS) while the engine is running indicates an EBD system failure or non-availability of the system. Early locking of the rear wheels may occur in the event of violent braking causing the vehicle to swerve. Drive very carefully to a Fiat Dealership to have the system inspected.

On some versions the display shows the dedicated message.



CONTINUOUSLY ON: LOW ENGINE OIL PRESSURE (red)

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

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

1. Engine oil pressure low

The warning light turns on and stays on constantly along with a message on the display (for versions/markets where provided) 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.

2. Engine oil exhausted

(Multijet versions with DPF only)

The warning light will turn on flashing together with the message on the display (for versions/markets where provided). Depending on the versions, the warning light flashing modes are as follows:

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

After the first indication, at each engine start up the warning light will continue flashing as described above until the oil is changed. For (versions/markets where provided), the display shows a dedicated message together with the warning light.

The flashing of the warning light should not be considered as a fault, it simply informs the customer that the oil needs to be changed following normal car use.

Remember that the deterioration of the engine oil is accelerated by:

- mainly town use of the car which makes the DPF regeneration process more frequent;

- 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

If the warning light comes on, the exhausted engine oil should be changed as soon as possible, never drive more than 500 km from the first switching-on of this warning light. Failure to observe the above may result in severe damage to the engine and invalidate the warranty. Remember that the operation of this warning light is not related to the amount of oil in the engine. Therefore, do not simply top up when the light starts flashing.

For versions/markets where provided:

the warning light  switches on and flashes along with the message on the display (where provided) when the system detects that the engine oil is exhausted.

The flashing of the warning light should not be considered as a fault, it simply informs the driver that oil needs to be changed after normal use of the car.

If the oil is not changed, when a second deterioration threshold is reached, the warning light  also switches on in the instrument panel and the engine operation is limited to 3000 rpm.

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



To avoid damaging the engine it is advisable to change the engine oil when the warning light  flashes. Go to a Fiat Dealership.



“DUALDRIVE” ELECTRIC POWER STEERING FAILURE (red)

The warning light comes on when the ignition key is turned to MAR-ON, but it should switch off after a few seconds.

If the warning light stays on, you will not benefit from the electric power steering and the effort needed to turn the wheel will be greatly increased, although it will still be possible to steer the car. Contact a Fiat Dealership.

On some versions the display shows the dedicated message.



START & STOP SYSTEM DEACTIVATION (amber)

The warning light comes on when the Start&Stop system is turned off by pressing the button on the dashboard. A corresponding message may be displayed on some versions.



INCOMPLETE DOOR LOCKING (red)

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

A specific message is displayed on certain versions. An acoustic signal is emitted with the doors open and the car moving.



EOBD/INJECTION SYSTEM FAILURE (amber)

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

If the warning light remains on or comes on whilst driving, it 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 fuel consumption.

On some versions the display shows the dedicated message.

Under these conditions, you may continue travelling at moderate speed without demanding excessive effort from the engine. Prolonged use of the car with the warning light on may cause damage. Contact a Fiat Dealership as soon as possible.

FOR PETROL ENGINES ONLY

If the warning light is flashing, this indicates that the catalytic converter may be damaged.

If the light flashes, it is necessary to release the accelerator pedal to lower the speed of the engine until the warning light stops flashing; continue the journey at moderate speed, trying to avoid driving conditions that may cause further flashing and contact a Fiat Dealership as soon as possible.



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

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DPF (PARTICULATE FILTER) BEING CLEANED

(Multijet versions with DPF only – amber)

When the key is turned to the MAR-ON position the warning light comes on but should go out after a few seconds.

The warning light comes on constantly to notify the driver that the DPF system needs to eliminate captured pollutants (particulate) by the regeneration process.

The warning light does not switch on during every DPF regeneration, but only when driving conditions require that the driver is notified. To switch the warning light off, the car must be kept moving until the regeneration process is completed. On average, the process lasts 15 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 switches on, it does not indicate a fault with the car and it should therefore not be taken to a workshop.

A specific message will appear on the display when the warning light comes on (for versions/markets, where provided).

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 described above. It is not a good idea to complete DPF regeneration with the vehicle stationary.



FUEL RESERVE (amber)

When the key is turned to the MAR-ON position the warning light comes on but should go out after a few seconds.

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

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



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

GLOW PLUG HEATING

This warning light comes on when the key is turned to MAR-ON. It will go out as soon as the heater 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 may stay on for an extremely short time.

GLOW PLUG HEATING FAULT

The warning light flashes if there is a fault in the preheating system. Contact a Fiat Dealership as soon as possible.

On some versions the display shows the dedicated message.



WATER IN DIESEL FUEL FILTER (Multijet versions - amber)

When the key is turned to the MAR-ON position the warning light comes on but should go out after a few seconds.

The warning light  switches on when there is water in the diesel filter. On certain versions warning light  comes on instead.

On some versions the display shows the dedicated message.



The presence of water in the supply circuit may cause severe damage to the injection system and irregular engine operation. If the warning light  switches on (on some versions the warning light  is accompanied by the dedicated message on the display), go to a Fiat Dealership as soon as possible to have the system bled. If the above indications come on immediately after refuelling, water has probably entered the tank: turn the engine off immediately and contact a Fiat Dealership.

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CAR PROTECTION SYSTEM FAILURE - FIAT CODE (amber)

If, with the ignition key at MAR, the warning light stays on permanently, this indicates a possible failure (see “Fiat Code system” in the “Knowing your car” section).

IMPORTANT Warning lights  and  will switch on at the same time to indicate a Fiat CODE system failure.

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

Contact Fiat Dealership to have all the key memorised.



REAR FOG LIGHTS (amber)

The warning light switches on when the rear fog lights are activated.



GENERIC FAILURE INDICATION (amber)

The warning light turns on in the following circumstances.

ENGINE OIL PRESSURE SENSOR FAILURE

The warning light switches on when the engine oil pressure sensor is incorrect. Contact a Fiat Dealership to have the fault fixed as soon as possible.

WATER IN DIESEL FILTER

See the description for warning light .

FUEL CUT-OFF DEVICE INTERVENTION/ FUEL CUT-OFF NOT AVAILABLE

The warning light switches on when the fuel cut-off inertia switch intervenes or when the fuel cut-off system is not available.

The display shows the dedicated message.

EXTERIOR LIGHTS FAULT

The warning light switches on when an external light failure is detected.

PARKING SENSOR FAILURE

The warning light turns on and the message is shown on the display when a parking sensor fault is detected. Contact a Fiat Dealership.



ESC SYSTEM FAILURE (amber)

Turning the ignition key to MAR-ON 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 ASR OFF button when travelling, contact a Fiat Dealership.

The display will show the dedicated message.

Note Flashing of the warning light while driving indicates the intervention of the ESC system.

HILL HOLDER FAULT

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

The warning light turns on to indicate a Hill Holder system fault. In this case, contact a Fiat Dealership as soon as possible.

The display will show the dedicated message.



SIDE LIGHTS AND DIPPED HEADLAMPS (green)/FOLLOW ME HOME (green)

SIDELIGHTS AND DIPPED BEAM HEADLIGHTS

The warning light comes on when side/tail lights or low beams are turned on.

FOLLOW ME HOME

The warning light will turn on when this device is active (see "Follow me home" in section "Knowing your car").

The display shows the dedicated message.

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FRONT FOG LIGHTS (green)

The warning light comes on when the front fog lights are turned on.



LEFT-HAND DIRECTION INDICATOR (green - intermittent)

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 warning light button is pressed.



"DUALDRIVE" ELECTRIC POWER STEERING SYSTEM ACTIVATION

The word "CITY" is shown on the multifunction display when the "Dualdrive" electric power steering system is activated by pressing the relevant control button. If the button is pressed again the word CITY goes out.



MAIN BEAMS (blue)

The warning light switches on when the main beams are turned on.

POSSIBLE ICE ON ROAD

This indication starts flashing when the outside temperature reaches or falls below 3°C to warn the driver of the possible presence of ice on the road.

The display will show a 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 "Knowing your car").

LIMITED RANGE

The multifunction display will show the dedicated message to warn the driver that the cruising range is less than 50 km.

ASR SYSTEM

The ASR system can be turned off by pressing the button ASR OFF.

The multifunction display can show the dedicated message to warn the driver that the system is off; at the same time the LED on the button will turn on.

When button ASR OFF is pressed again the LED on the button will turn off and the display will show the dedicated message to warn the driver that the system is on again.



BRAKE PAD WEAR (amber)

The warning light on the panel turns on (together with a message on the display) if the front or rear (where provided) brake pads are worn; in this case have them replaced as soon as possible.



ECO FUNCTION ACTIVATION (0.9 TwinAir 85 HP versions)

The ECO indication appears on the multifunction display when the corresponding function is activated by pressing the relevant control button. The indication ECO will switch off when pressing the button again.



SPORT FUNCTION ACTIVATION (1.4 16V versions)

The SPORT indication appears on the multifunction display when the corresponding function is activated by pressing the relevant control button. The indication SPORT will switch off when pressing the button again.

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UNFASTENED SEAT BELTS (red)

The warning light on the display lights up permanently when the car is not moving and the driver's seat belt is not correctly fastened. The warning light will switch on constantly together with a constant beep of the buzzer for the first 6 seconds and for the next 96 seconds with warning light blinking and intermittent beep when front seatbelts are not correctly fastened and the vehicle is in motion. The SBR (Seat Belt Reminder) system buzzer can be disabled only by a Fiat Dealership. The system can be reactivated from the set-up menu. The display shows the dedicated message.

IN AN EMERGENCY

In an emergency we recommend that you call the freephone number found in the **Warranty Booklet**. You can go to our web site at www.fiat500.com to find the Fiat Dealership nearest to you.

STARTING THE ENGINE

Go to a Fiat Dealership immediately if warning light  stays on constantly on the instrument panel.

JUMP STARTING

If the battery is flat, the engine may be started using an auxiliary battery fig. 95, with the same capacity or a little higher than the flat one.

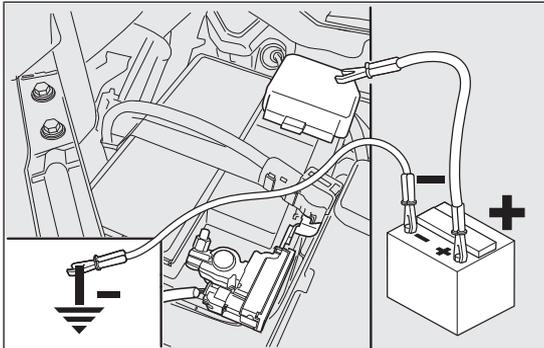


fig. 95

F0S0093



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 expert personnel because incorrect actions may cause electrical discharge of considerable intensity. Furthermore, battery fluid is poisonous and corrosive: avoid contact with your skin and eyes. Keep open flames and lighted cigarettes away from the battery and do not cause sparks.

Proceed as follows to start the car:

- connect the positive terminals (sign + near the terminal) of the two batteries with a jump lead;
- with a second lead, connect the negative terminal – of the auxiliary battery to an earthing point  on the engine or the gearbox of the car to be started;

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start the engine;

when the engine has been started, remove the leads reversing the order above.

If after a few attempts the engine does not start, do not persist but contact a Fiat Dealership.

IMPORTANT Do not directly connect the negative terminals of the two batteries: sparks could ignite explosive gas released from the battery. If the auxiliary battery is installed on another car, prevent accidental contact between metallic parts of the two cars.

BUMP STARTING

Never bump start the engine by pushing, towing or driving downhill.

This could cause fuel to flow into the catalytic converter and damage it beyond repair.

IMPORTANT Remember that the brake servo and electrical power steering system (where provided) are not active until the engine is started. A much greater effort will therefore be required to use the brake pedal or turn the steering wheel.

REPLACING A WHEEL

GENERAL INSTRUCTIONS

The vehicle may be factory-fitted (for versions/markets where provided) with a normal spare wheel or with a space-saver wheel.

Wheel changing and correct use of the jack and spare wheel call for some precautions as listed below.



WARNING

The space-saver wheel (for versions/markets where provided) is specific to your car, do not use it on other models, or use the space-saver wheel of other models on your car. The space-saver wheel must only be used in case of emergency. Never use it for more than strictly necessary and never exceed 80 km/h.



WARNING

On the space-saver wheel there is an orange label, summarising the main warnings regarding space-saver wheel usage restrictions. Never remove or cover the label. The following information is provided in four languages on the label: "Important! For temporary use only! 80 km/h max! Replace with standard wheel as soon as possible. Never cover this indication." Never apply a hub cap on a space-saver wheel.



WARNING

If you change the type of wheel (alloy rims instead of steel rims and vice versa) you will have to change the entire set of fastening bolts with another set of suitably sized bolts.

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**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 violent acceleration and braking, abrupt steering and fast cornering. The total life of a space-saver wheel is approximately 3,000 km, after which it must be replaced by another wheel of the same type. Never install a traditional tyre on a rim designed to be used as a space-saver wheel. Have the wheel repaired and refitted as soon as possible. Using two or more space-saver wheels at the same time is forbidden. Do not apply grease to the bolt threads before fitting: they could unscrew themselves.

**WARNING**

The jack may be used to replace wheels only on the car that it comes with or other cars of the same model. Never use the jack for other purposes, such as lifting other car models. Never use the jack to carry out 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 the one shown on its label.

**WARNING**

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. In this way, equipped with two normal drive wheels at the front, they can be fitted with snow chains, thus resolving the emergency situation.



WARNING

If the hub cap is not fitted correctly, it may come off when the car is travelling. Never tamper with the inflation valve. Never introduce tools of any kind between rim and tyre. Check tyre and space-saver wheel pressures regularly, complying with the values given in the "Technical specifications" chapter.

JACK

Please note that:

- the jack weight is 1,76 kg;
- the jack requires no adjustment;
- the jack cannot be repaired and in the event of a fault it must be replaced by another original one;
- 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 that is not dangerous for oncoming traffic where you can change the wheel safely. The ground must be flat and sufficiently compact;
- turn the engine off and pull up the handbrake;
- engage first gear or reverse;
- lift the boot mat A fig. 96
- loosen the fastener B fig. 97
- take out the tool box C fig. 97 and place it next to the wheel to be changed;
- take the space-saver wheel D fig. 97;
- use the provided screwdriver to remove the hub cap, levering the dedicated opening on the outer edge;

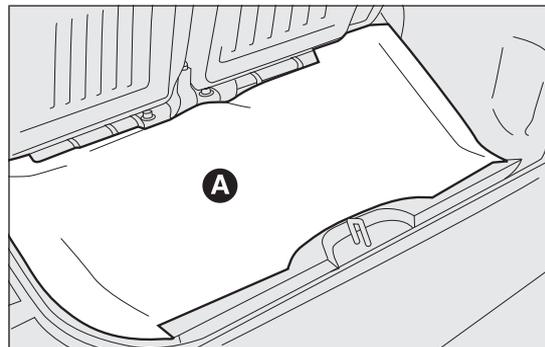


fig. 96

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- for cars fitted with alloy wheels, remove the press-fitted hub cap using the screwdriver provided;
- loosen the retaining bolts for the wheel to be changed by about one turn using the spanner provided E fig. 98;

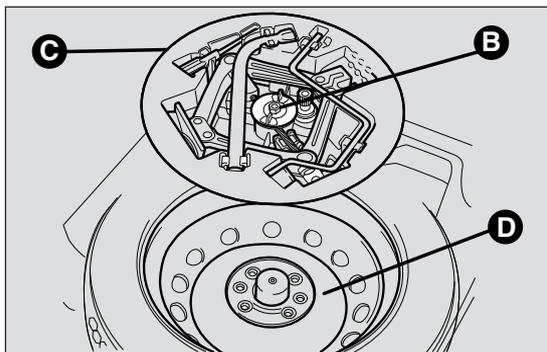


fig. 97

F0S0127

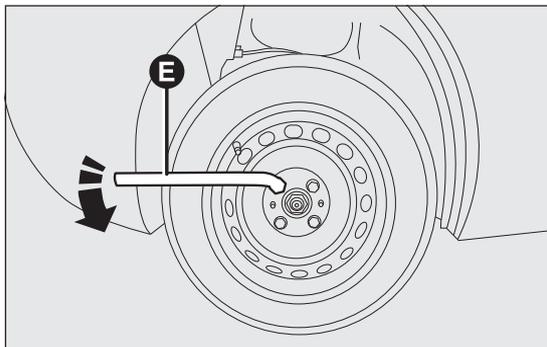


fig. 98

F0S0128

- turn the jack handle to partially open it fig. 100;
- if the vehicle is equipped with side skirts, to let the jack pass under the vehicle, the latter must be tilted (as shown in fig. 99);
- position the jack near the wheel to be repaired at the reference point on the side member;
- extend the jack until groove F fig. 100 on the jack fits correctly into ridge G fig. 100 underneath the side member;
- alert other passengers that the car is about to be raised; all persons should be kept away from the car until it has been lowered;

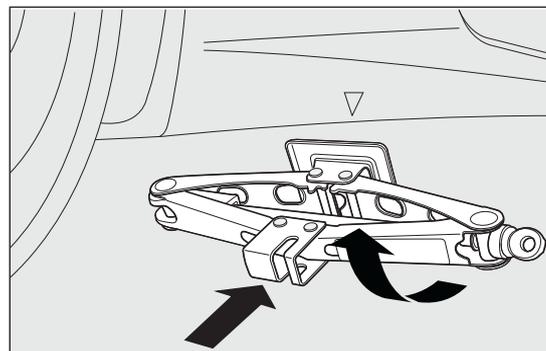


fig. 99

F0S0328

- ❑ fit the handle H fig. 100 to operate the jack device I fig. 100 and raise the car until the wheel is a few centimetres from the ground. When turning the jack handle make sure that it can turn freely without scraping your hand against the ground. The moving components of the jack (screws and joints) can also cause injuries: avoid touching them. If you become soiled with the lubricating grease, wash it off thoroughly;
- ❑ make sure the contact surfaces between space-saver wheel and hub are clean so that the fastening bolts will not come loose;

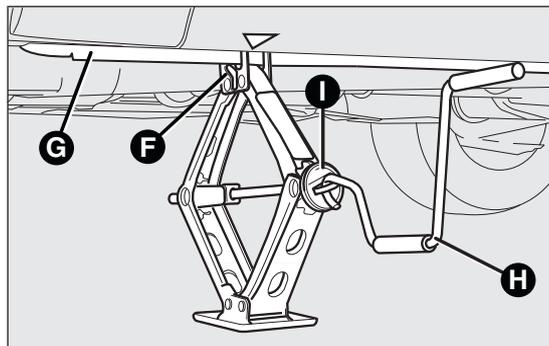


fig. 100

F0S0129

- ❑ fit the space-saver wheel making pin N fig. 101 coincide with one of the wheel holes O fig. 101;
- ❑ fasten the four fastening bolts;
- ❑ turn the jack handle to lower the car and remove the jack;
- ❑ fasten the bolts completely, working in a criss-cross fashion as shown in fig. 102.

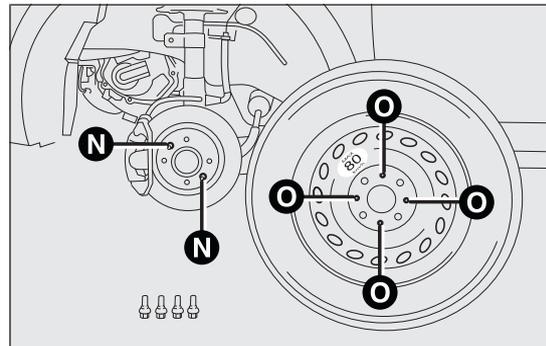


fig. 101

F0S0130

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REFITTING THE STANDARD WHEEL

Following the procedure described previously, raise the car and remove the space-saver wheel.

Versions with steel rims

Proceed as follows:

- make sure the contact surfaces between standard wheel and hub are clean so that the fastening bolts will not come loose;
- fit the standard wheel inserting the 4 bolts into the holes;
- using the wrench provided, tighten the fastening bolts;
- press-fit the hub cap, aligning the special splining (on the cap) with the inflation valve;

- lower the car and remove the jack;
- using the wrench provided, fully tighten the bolts in the sequence shown previously.

Versions with alloy wheels

- insert the wheel on the hub and using the wrench provided tighten the bolts;
- lower the car and remove the jack;
- using the wrench provided, fully tighten the bolts in the sequence shown in fig. 102;
- reinstall the pressure-fitted hub cap, making sure that the reference hole on the wheel is aligned with the reference hole on the cap.

IMPORTANT If it is not fitted properly, the hub cap may detach itself when the vehicle is running.

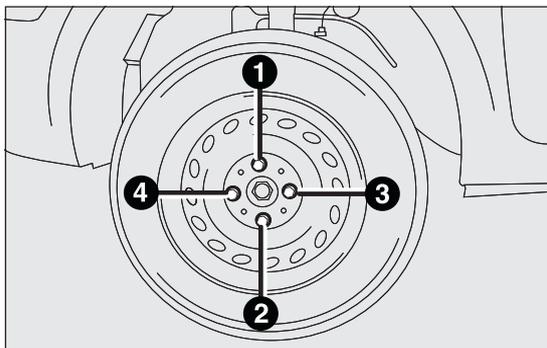


fig. 102

F0S0131

After tyre replacement

- arrange the space-saver wheel D fig. 97 in the specific compartment in the boot;
- insert the partially open jack into the container C and force it slightly into its housing so that it does not vibrate when the car is moving;
- put the tools back into their places in the container;
- stow the container complete with tools on the spare wheel and secure everything with the clamping device B;
- correctly reposition the boot stiff cover.

IMPORTANT Do not use air chambers with Tubeless tyres. Check the inflation pressure of the tyres and the space-saver 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-saver wheel with different build characteristics.

You should keep the bolts and space-saver wheel in case you decide to use the original type of wheel later on.

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Fix&Go QUICK TYRE REPAIR KIT

(for versions/markets, where provided)

The Fix&Go fig. 103 quick tyre repair kit is located in the boot and composed of:

- a spray bottle A with the sealant, equipped with filling pipe B, separated by the compressor C;
- compressor C with pressure gauge, fitting valve to couple the bottle A, cable with supply socket D and pipe N to restore pressure (this is inside the body as shown);
- adhesive label under the spray bottle A, with the message "max. 80 km/h" to be placed where the driver can easily see it (for example on the dashboard) after repairing the tyre;
- instruction booklet fig. 104, for the quick and correct use of the Fix&Go;
- a pair of protective gloves.

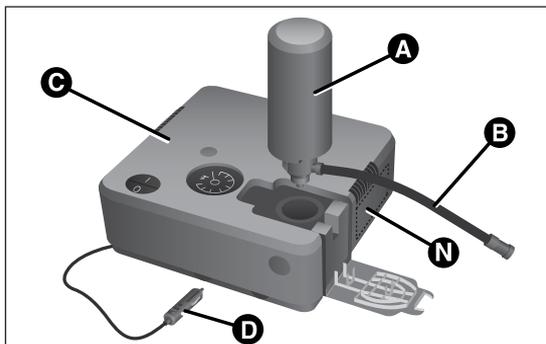


fig. 103

F0S1016



WARNING

Give the booklet to the technicians who will be handling the tyre that was treated using the Fix&Go kit.



In the event of a puncture caused by foreign bodies, the kit may be used to repair tyres showing damages on the track or shoulder up to max. 4 mm diameter.



WARNING

Punctures on the sides of the tyre may not be repaired. Do not use the Fix&Go kit if the tyre was damaged as a result of being used when underinflated.

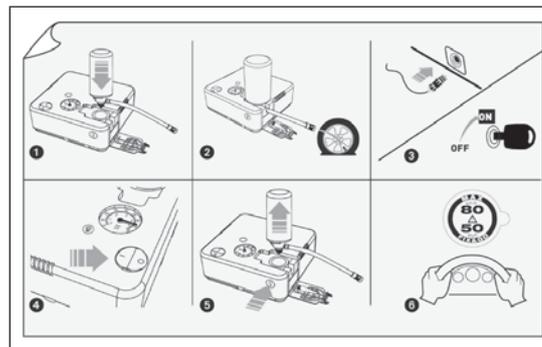


fig. 104

F0S1017



WARNING

Repairs are not possible in the case of damage to the wheel rim (bad groove distortion causing air loss). Do not remove foreign bodies (screws or nails) from the tyre.

IMPORTANT INFORMATION:

The sealant of the Fix&Go kit is effective with external temperatures between -20°C and +50°C.

The sealing fluid will expire.



WARNING

Never operate the compressor for longer than 20 consecutive minutes. Risk of overheating. The Fix&Go kit is not suitable for definitive repairs, so the repaired tyres may only be used 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. It may cause sensitisation if inhaled or on contact. Avoid contact with eyes, skin and clothes. In the event of contact, wash immediately with plenty of water. If ingested, do not induce vomiting. Rinse out your mouth, drink large quantities of water and seek immediate medical attention. Keep out of the reach of children. The product must not be used by asthmatics. Do not inhale the fumes released during insertion and suction operations. Call a doctor immediately if allergic reactions are noted. Store the spray bottle away from heat sources. The sealant has an expiry date.



Replace the cylinder if the sealing fluid has expired. Dispose of the bottle and the sealant liquid properly. Have the sealing fluid and the cylinder disposed of in compliance with national and local regulations.

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INFLATING PROCEDURE



WARNING

Wear the protective gloves provided with the Fix&Go kit.

- engage the handbrake;
- place the Fix&Go kit close to the tyre to be repaired;
- locate the filler pipe B fig. 105 already connected to the spray bottle A;
- open the side lid E then connect the spray bottle A to the fitting, following the direction of the arrow;
- undo the cap of the tyre valve F and connect the filling pipe B, tightening the relevant ring nut on the tyre valve;
- make sure that the switch G fig. 106 is in position **0** (off), then start the engine;
- place the electric plug H fig. 107 in the cigar lighter socket of the car (12 V);
- switch on the compressor, bringing the switch G to position **I** (on);
- inflate the tyre to the prescribed pressure (available in the TECHNICAL SPECIFICATIONS chapter, paragraph TYRE PRESSURE);

IMPORTANT To get a more precise reading, it is advisable to check the value with compressor off.

- if the pressure does not reach at least 1.5 bar in 5 minutes, switch the compressor off and disconnect the filling pipe B from the tyre valve, then remove the plug H;
- move the car by about 10 m, to distribute the sealant inside the tyre, then inflate again.

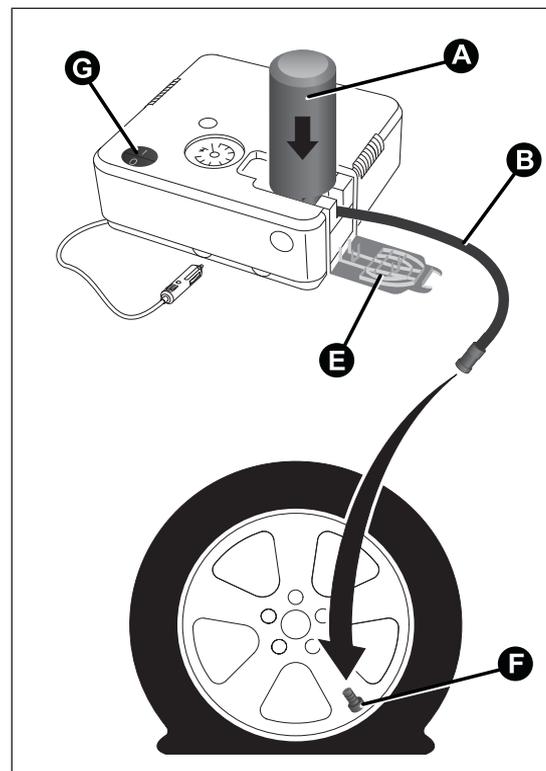


fig. 105

F0S1019

IMPORTANT If after 5 minutes from switching the compressor on it is still impossible to reach at least 1.5 bar, do not start driving since the tyre is excessively damaged and the Fix&Go kit cannot guarantee proper hold. Contact a Fiat Dealership.

- ❑ If the tyre was inflated to the prescribed pressure, start driving immediately.



WARNING

Apply the adhesive label where it can be easily seen by the driver as a reminder that the tyre has been treated with the Fix&Go kit. Drive carefully, particularly on bends. Do not exceed 80 km/h. Do not accelerate or brake suddenly.

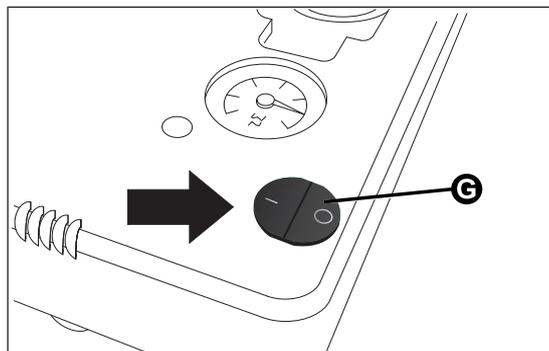


fig. 106

F0S1020

- ❑ After having driven for about 10 minutes, stop, apply the handbrake and recheck the tyre pressure.



WARNING

If the pressure falls below 1.5 bar, do not drive any further: the Fix&Go kit cannot guarantee proper hold because the tyre is too damaged. Contact a Fiat Dealership. If instead a pressure value of at least 1.5 bar is detected, restore the correct pressure (with the engine running and the handbrake engaged), resume driving and drive with great care to the nearest Fiat Dealership.

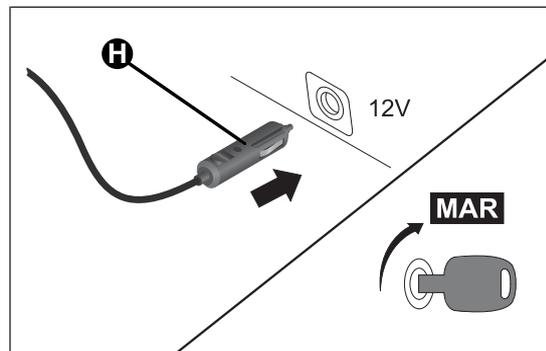


fig. 107

F0S1021

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**WARNING**

You must always indicate that the tyre was repaired using the Fix&Go kit. Give the booklet to the technicians who will be handling the tyre that was treated using the Fix&Go kit.

FOR CHECKING AND RESTORING PRESSURE ONLY

The compressor may also be used for checking and possibly restoring tyre pressure.

Proceed as follows:

- If the spray bottle A fig. 108 is connected to the compressor, you need to press the release button L to remove it;
- connect the pipe to the tyre valve;
- check the pressure on the pressure gauge;
- if the value of the pressure is too low, fit the electric plug in the cigar-lighter socket and switch on the compressor.

IMPORTANT To adjust the possible overpressure of the tyre, press the air release button M.

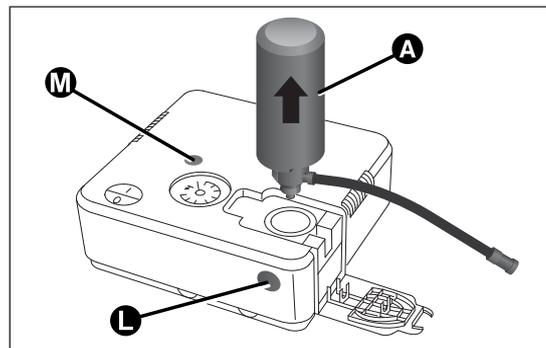


fig. 108

F0S1022

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 direction 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 “If a fuse blows” in this section;



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 pressurised gas, in the case of breakage they may burst.



Halogen bulbs must be handled holding the metallic part only. Touching the transparent part of the bulb with your fingers may reduce the intensity of the emitted light and even reduce the lifespan of the bulb. If touched accidentally, rub the bulb with a cloth moistened with methyated spirit and allow 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 essential for the safety of the car and of compliance with law.

IMPORTANT A slight misting may appear on the internal surface of the headlight: this does not indicate a fault and is caused by low temperature and the degree of humidity in the air. Misting will rapidly disappear when the headlights are switched on. The presence of drops inside the headlights indicates infiltration of water. Contact a Fiat Dealership.

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TYPES OF BULBS

Various types of bulbs are fitted to your car:

All-glass bulbs: (type A) press-fitted. Pull to remove.

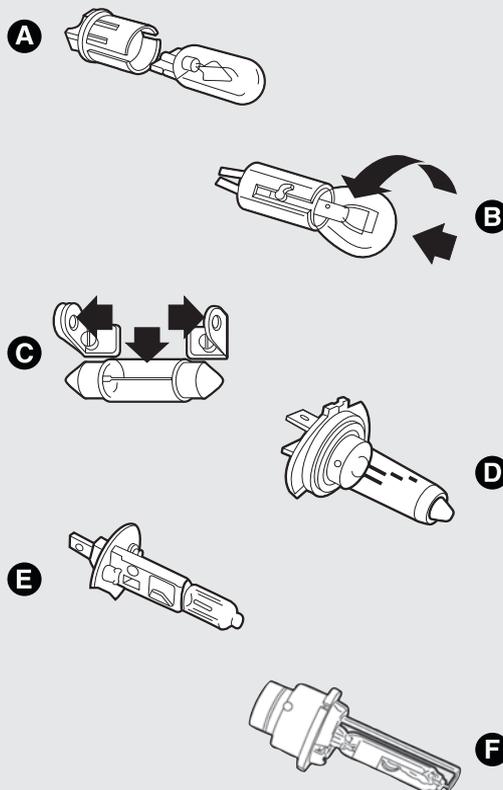
Bayonet type bulbs: (type B) to remove them press the bulb and turn it anticlockwise.

Tubular bulbs: (type C) release them from their contacts to remove.

Halogen bulbs: (type D) to remove the bulb, release the clip holding the bulb in place.

Halogen bulbs: (type E) to remove the bulb, release the clip holding the bulb in place.

Gas discharge bulb (Xenon): (type F) to replace them contact a Fiat Dealership.



Bulbs

Use	Type	Power	Re. Figure
Main beam headlamps	H1	55W	D
Dipped headlamps	H7	55W	D
Dipped headlamps with gas discharge bulbs (Xenon) (for versions/markets where provided)	DESIGN	35W	F
Front side lights/day lights	W21/5W	5/21W	A
Front direction indicators	WY21W	21W	B
Front direction indicators (with xenon gas discharge bulbs)	PY24W	24W	B
Side direction indicators	W5W	5W	A
Rear direction indicators	PY21W	21W	B
Side/taillights	R10W	10W	B
Stop	P21W	21W	B
Reverse gear	P21W	21W	B
Rear fog lamp	P21W	21W	B
Ceiling light	C5W	5W	C
Boot light	W5W	5W	A
Number plate light	C5W	5W	C
Fog lights	H3	55 W	E
Third stop	W5W	5W	A

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REPLACING EXTERNAL BULBS

For the type of bulb and power rating, see “Changing a bulb”.

FRONT LIGHT CLUSTERS

The front light clusters contain side light, dipped beam, main beam and direction indicator bulbs.

Operating from the engine compartment remove the rubber cap A fig. 109 to access the direction indicator bulbs; remove the rubber cap B fig. 109 to access the dipped beam headlight bulbs.

To access the bulbs of the side lights/daytime running lights and of the main beam headlights, after fully steering the wheels, open the guard door C fig. 110 on the wheel arch at the level of the lights, then remove the rubber cap D fig. 110.

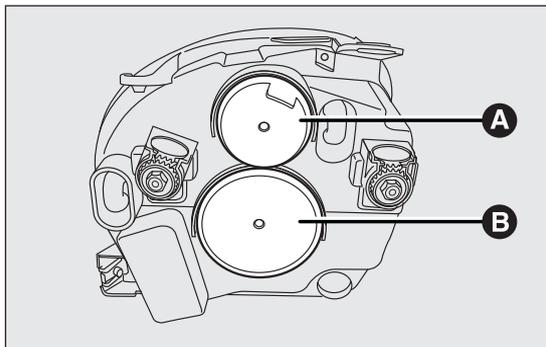


fig. 109

F0S0050

DIRECTION INDICATORS

Front

To change the bulb, proceed as follows:

- remove the protective rubber cap mentioned above;
- turn the bulb holder A fig. 111 anticlockwise and remove it;
- remove the pressure-fitted bulb and replace it;
- refit the bulb holder A by turning it clockwise and locking it correctly;
- refit the rubber cap.

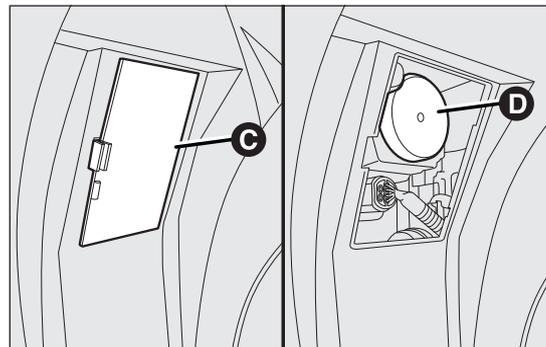


fig. 110

F0S0051

Side



The intervention must be carried out taking all precautions necessary to avoid damaging the bodywork (use a sufficiently rigid and appropriately thick plastic card).

To change the bulb, proceed as follows:

- lever the lens off, by initially applying force from the front towards the back (1 - fig. 112);
- then lever in the opposite direction, by applying force from the back part (2 - fig. 112) and remove unit B;

- turn the bulb holder anticlockwise, extract the clipped bulb and replace;
- refit the bulb holder in the lens, then position unit B, ensuring that the fastening clip clicks into place.

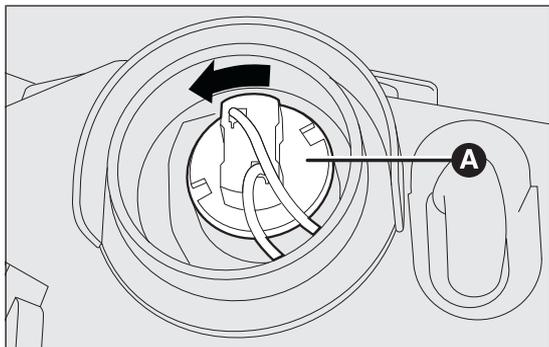


fig. 111

F0S0052

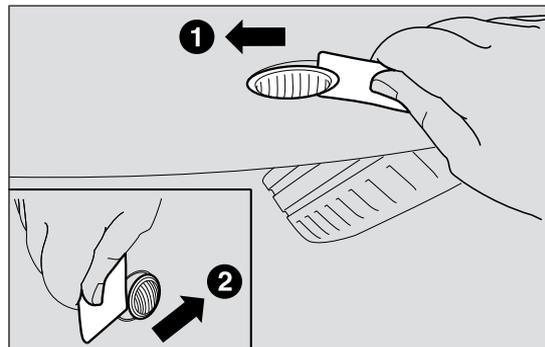


fig. 112

F0S0355

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DIPPED BEAM HEADLIGHTS

To change the bulb, proceed as follows:

- remove the protective rubber cap mentioned above;
- press the fastener A fig. 113 and remove the bulb holder;
- remove the pressure-fitted bulb and replace it;
- refit the cap locking it correctly;
- refit the rubber cap.

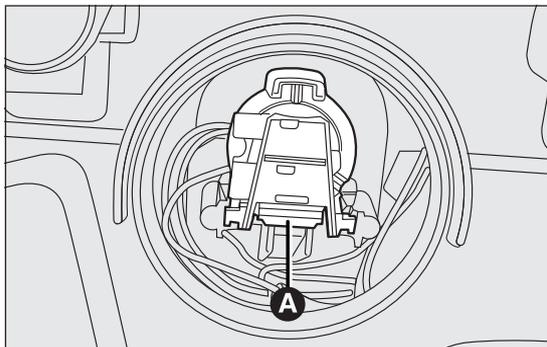


fig. 113

F0S0053

With gas discharge bulbs (Xenon)
(for versions/markets where provided)



WARNING

Due to the high power supply voltage, gas discharge bulbs (Xenon) should only be replaced by specialised personnel: danger of death! Go to a Fiat Dealership.

MAIN BEAM HEADLIGHTS

To change the bulb, proceed as follows:

- remove the protective rubber cap mentioned above;
- release the two bulb holding clips A fig. 114;
- extract the bulb and replace it;

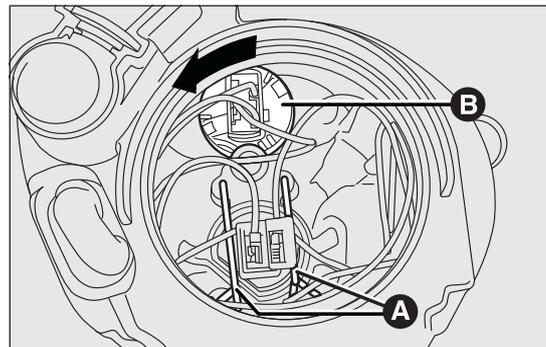


fig. 114

F0S0054

- fit the new bulb, making the outline of the metallic part coincide with the grooves on the reflector, then reattach the bulb holding clips;
- refit the rubber cap.

SIDE LIGHTS/DAYTIME RUNNING LIGHTS

To change the bulb, proceed as follows:

- remove the protective rubber cap mentioned above;
- turn the bulb holder B fig. 114 anticlockwise and remove it;
- remove the pressure-fitted bulb and replace it;
- refit the bulb holder B by turning it clockwise and locking it correctly;
- refit the rubber cap.

FOG LIGHTS (Fiat 500S versions)

IMPORTANT For all other versions of Fiat 500, to replace the fog lights you must contact a Fiat Dealership.

To replace the bulb, proceed as follows:

- steer the wheel completely inwards;
- adjust the tab A fig. 115 and remove the pressure-fit flap;
- adjust the clip B fig. 116 and disconnect the electrical connector C;
- rotate bulb holder D anticlockwise and remove the unit;

- release the bulb and replace it;
- refit the unit, rotating clockwise to lock it and reconnect the electrical connector;
- refit the flap and check that it is correctly locked.

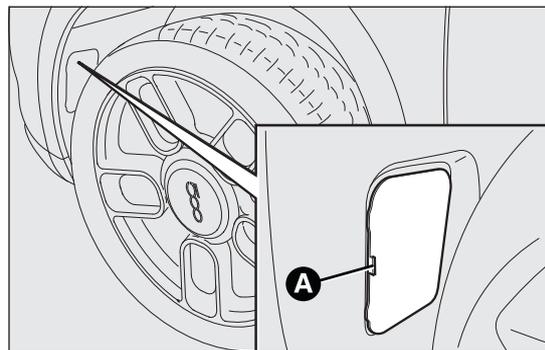


fig. 115

F0S0380

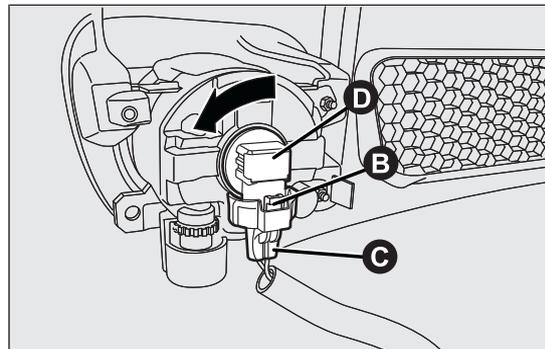


fig. 116

F0S0381

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REAR LIGHT CLUSTERS

To change the bulb proceed as follows:

- open the tailgate;
- unscrew the two fastening screws A fig. 117 and extract the light cluster axially without rotating it;
- remove the bulb holder from its housing releasing it from the locking tabs B fig. 117;
- extract the bulbs by pushing them slightly and turning them anticlockwise.

The bulbs are arranged as follows: fig. 118:

C Direction indicators

D Stop

E Side

F Reverse (right headlamp) / rear fog light (left headlamp)

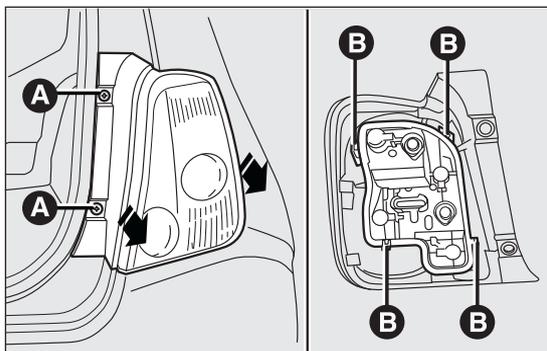


fig. 117

F0S0354

THIRD BRAKE LIGHTS

To change the bulb proceed as follows:

- remove the two guard caps and unscrew the two fastening screws A fig. 119;
- remove the assembly;

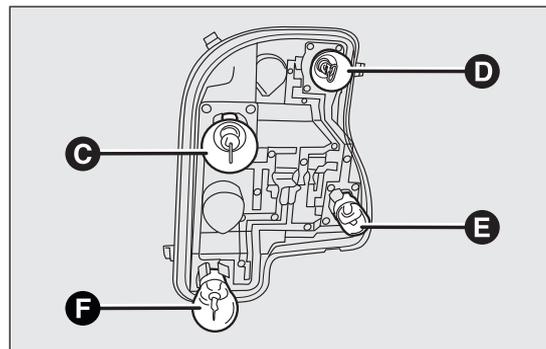


fig. 118

F0S0057

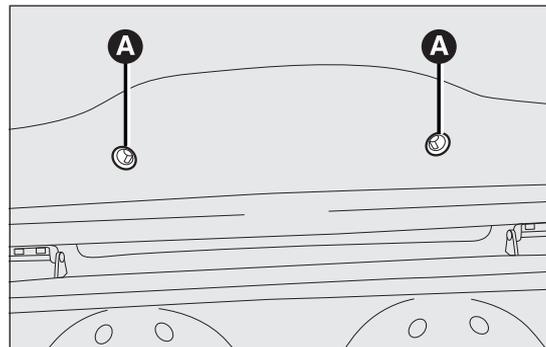


fig. 119

F0S0058

- disconnect the electrical connector B fig. 120;
- press the retaining device C fig. 120 and open the bulb holder;
- remove the pressure-fitted bulb to be replaced and replace it;
- close the bulb holder making sure the catch is correctly locked;
- tighten the two fastening screws and reinstall the guard caps.

- change the bulb releasing it from the side contacts and making sure the new bulb is correctly fastened between the contacts;
- refit the lens.

NUMBER PLATE LIGHTS

To replace the bulbs proceed as follows:

- operate in the point shown by the arrow fig. 121 and remove the lens A;

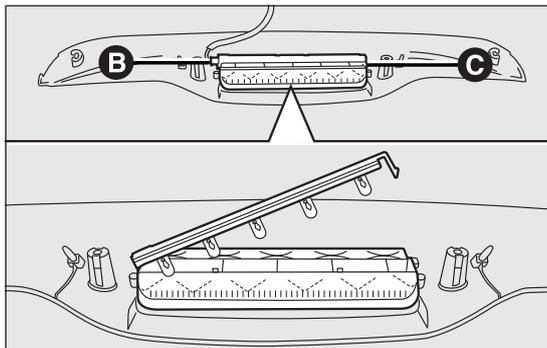


fig. 120

F0S0059

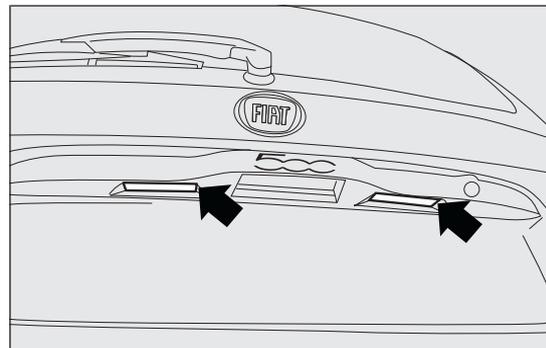


fig. 121

F0S0139

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CHANGING AN INTERNAL LIGHT

For the type of bulb and power rating, see “Changing a bulb”.

ROOF LIGHT

To change the bulbs, proceed as follows:

- using the screwdriver provided, extract the roof light A fig. 122 working in the point shown by the arrow;
- open the cover fig. 123 as indicated;

- replace the bulb C fig. 123 releasing the side contacts, insert the new bulb and make sure that it is correctly locked between the contacts;
- close the cover and refit the lens.

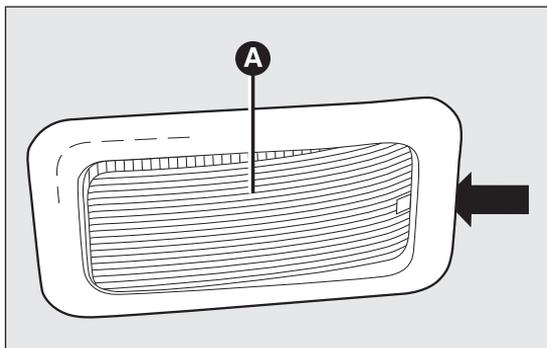


fig. 122

F0S0060

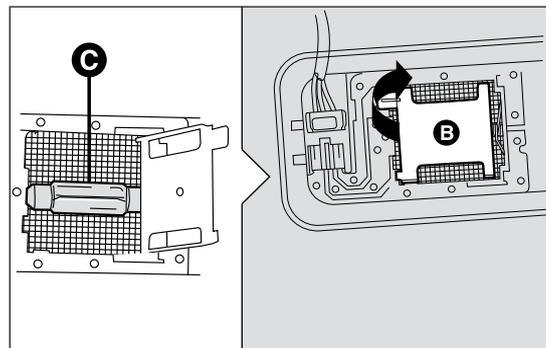


fig. 123

F0S0356

BOOT LIGHT

(for versions/markets, where provided)

To change the bulbs, proceed as follows:

- open the tailgate;
- using the screwdriver provided, extract the roof light A fig. 124 working in the point shown;
- open the bulb cover B fig. 125 and replace the pressure-fitted bulb C fig. 125;

- refit the cover B on the lens;
- refit the roof light correctly by pressing one side and then the other until the locking click is heard.

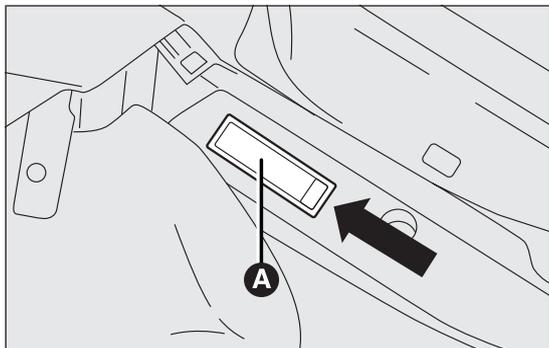


fig. 124

F0S0063

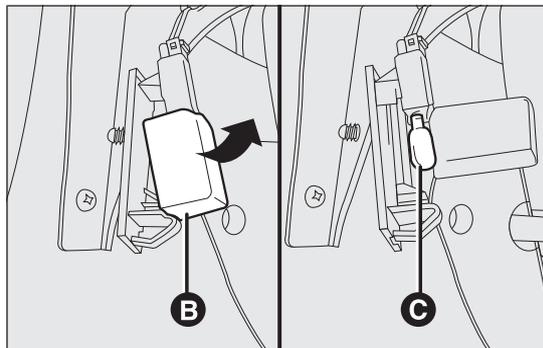


fig. 125

F0S0064

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REPLACING FUSES

GENERAL INFORMATION

Fuses protect the electrical system: they intervene (blow) in the event of a fault or improper action on the system.

When a device does not work, check the condition of its fuse: the conductor element A fig. 126 must be intact. If it is not, replace the blown fuse with another with the same amperage (same colour).

B fig. 126 intact fuse;

C fig. 126 fuse with damaged filament.

To replace a fuse, use the pliers D fig. 126 hooked inside the fusebox on the left side of the instrument panel.

Refer to the tables on the following pages to identify the protective fuse.

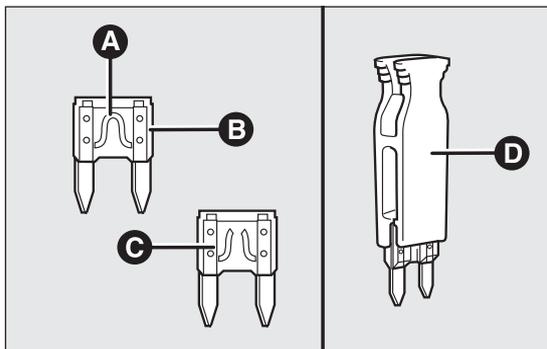


fig. 126

F0S0065



WARNING

If the replaced fuse blows again, contact a Fiat Dealership.



WARNING

Never replace a fuse with metal wires or anything else.



WARNING

Never replace a fuse with another with a higher amp rating; DANGER OF FIRE.



WARNING

If a general fuse (MEGA-FUSE, MIDI-FUSE, MAXI-FUSE) blows contact a Fiat Dealership.



WARNING

Before replacing a fuse, make sure that the ignition key has been removed and that all the other services are switched off and/or disengaged.



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.

FUSE LOCATION

Dashboard fuses

To access the fuse you must remove the press-fitted cover E.

The 5A fuse for door mirror demisting is located in the diagnosis socket area, as shown in fig. 127.

The fuse box shown in fig. 128 is located in the lower area next to the pedal unit.

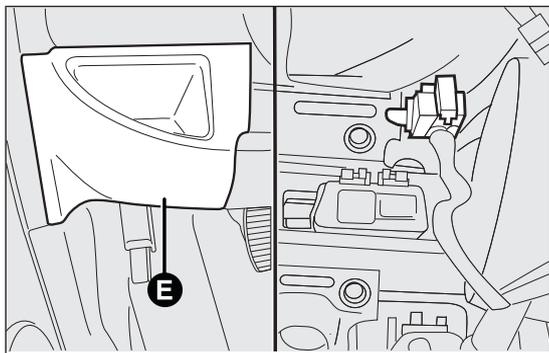


fig. 127

F0S0066

Engine compartment fuse box

A second control unit is located on the right side of the engine compartment, next to the battery; to access it press device I fig. 129, release tabs M and remove cover L.

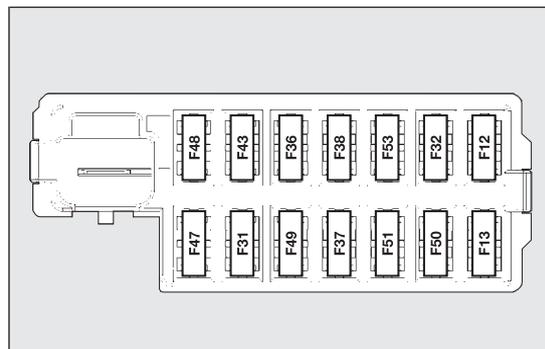


fig. 128

F0S0172

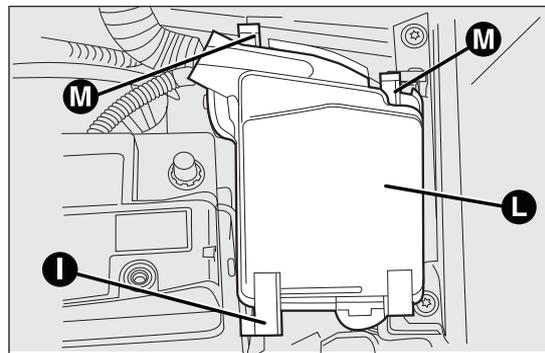


fig. 129

F0S0068

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The number identifying the electrical component corresponding to each fuse is on the back of the cover fig. 130.



If you need to wash the engine compartment, take care not to directly hit the engine compartment fuse box with the water jet.

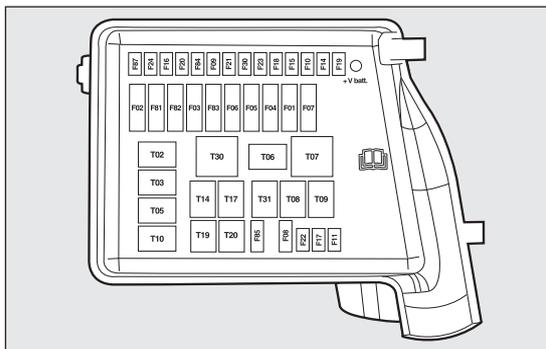


fig. 130

F0S0069

FUSE SUMMARY TABLE

Dashboard fuse box fig. 128	FUSE	AMPS
Right dipped headlight power supply	F12 (*)	7,5
Left dipped headlight and headlight alignment control unit power supply	F13	7,5 / 5 (*)
Front, rear and luggage compartment roof lights	F32 (*)	7,5
Diagnosis socket, radio, climate control, EOBD	F36	10
Brake light switch, instrument panel node	F37	5
Central locking	F38	15
Windscreen/rear window washer pump	F43	15
Driver's side electric windows	F47	20
Passenger side electric window	F48	20
Parking sensor, control backlighting, electric mirrors	F49	5
Radio switch, Blue&Me ,™ climate control, brake lights, clutch	F51	7,5
Instrument panel node	F53	5

(*)(for versions/markets, where provided)

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Engine compartment fuse box fig. 130

	FUSE	AMPS
Climate control fan	F08	30
Trailer	F09	15
Horns	F10	15
Main beam headlamps	F14	15
Sunroof motor	F15	20
Heated rear window, mirror defrosters	F20	30
Fog lights	F30	15
Front power socket (with or without cigar lighter)	F85	15

BATTERY RECHARGING

IMPORTANT The battery recharging procedure is given as information only. You are advised to contact a Fiat Dealership to have this operation performed.

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 connector A fig. 131 (pressing the button B) from the sensor C monitoring the battery charge status, on the negative pole D of the battery;
- connect the positive cable of the battery charger to the positive battery pole E fig. 132 and the negative cable to the terminal of sensor D;

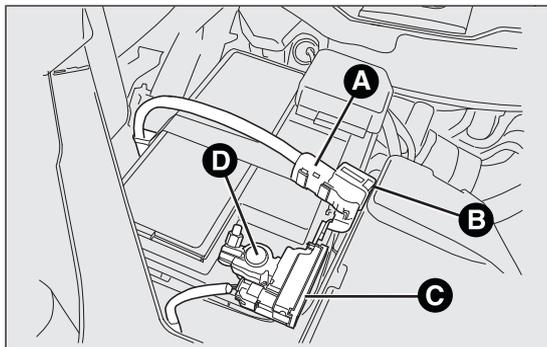


fig. 131

F0S0372

- turn on the battery charger. At the end of the charging process, switch the battery charger off;
- after having disconnected the battery charger, reconnect connector A to the sensor C as shown in fig. 131.

IMPORTANT If the car is equipped with an alarm system, this has to be disabled by means of the remote control (see "Alarm" paragraph in "Getting to know your car").



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 open flames or possible sources of sparks: danger of explosion and fire.

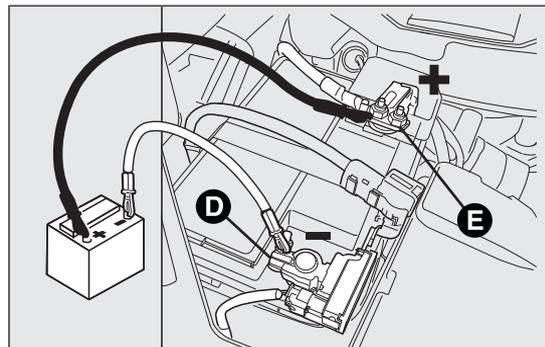


fig. 132

F0S0373

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**WARNING**

Do not attempt to recharge a frozen battery. The battery must first be defrosted, otherwise it may explode. If the battery has frozen, it must be inspected by a specialised technician before being recharged to ensure that its internal components have not been damaged and that the battery housing is not cracked, as this could lead to caustic and corrosive battery acid being leaked.

RAISING THE CAR

If the car needs to be jacked up, go to a Fiat Dealership which is equipped with shop jacks and jack arms.



Special care should be taken when positioning the workshop lift or the jack arms for versions equipped with side skirts.

TOWING THE CAR

The tow hook, which is supplied with the vehicle, is housed in the tool box, under the carpet in the boot.

FASTENING THE TOW RING

Proceed as follows:

Front

- release the cap A fig. 133
- take the tow ring B fig. 134 from its housing in the tool support;
- fully tighten the ring on the threaded pin.

Rear

- release the cap A fig. 133

- take the tow ring B fig. 134 from its housing in the tool support;
- fully tighten the ring on the threaded pin.



WARNING

Before towing, turn the ignition key to MAR-ON and then to STOP without removing it. The steering column will automatically lock when the key is removed and the wheels cannot be steered.

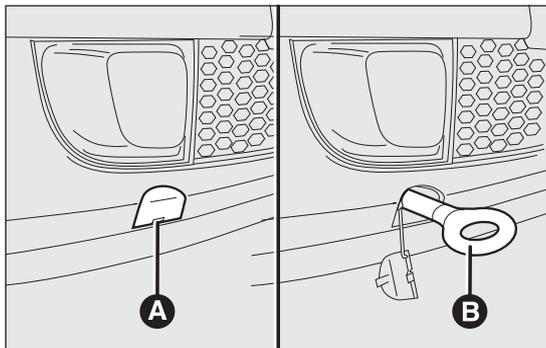


fig. 133

F0S0107

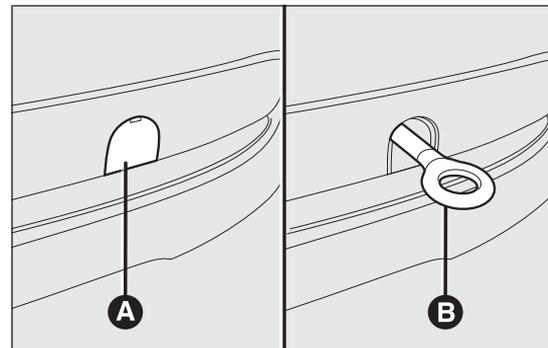


fig. 134

F0S0108

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WARNING

Whilst towing, remember that as the assistance of the brake servo and the electric power assisted steering is not available, greater force needs to be exerted on the brake pedal and more effort is required on the steering wheel. Do not use flexible cables when towing and avoid jerky movements. During towing, make sure that the trailer hitch does not damage any components it is touching. When towing the car, it is compulsory to respect specific highway code regulations relating to the tow hook and procedures for towing on the road. Do not start the engine while towing the car.

SERVICING AND MAINTENANCE

SCHEDULED SERVICING

Correct servicing is essential in guaranteeing a long life for the car under the best conditions.

For this reason, Fiat has prepared a series of checks and maintenance operations to be performed every 30,000 km.

However, scheduled servicing does not suffice to cover all the car's requirements: even in the initial period before the 30,000 km service, and then subsequently between one service and the next, ordinary care is always required, such as routine checks and topping up fluid levels, checking tyre pressures etc.

IMPORTANT The Scheduled Servicing services are set out by the Manufacturer. Failure to have them carried out may invalidate the warranty.

Scheduled Servicing can be carried out by any Fiat Dealership, at pre-established times.

If during each operation, in addition to the ones scheduled, 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 inform a Fiat Dealer of any small operating irregularities without waiting for the next service.

If the vehicle is used frequently for towing a trailer, the interval between services should be reduced.

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SCHEDULED SERVICING PLAN

Services must be performed every 30,000 km.

	18	36	54	72	90	108
Thousands of miles	30	60	90	120	150	180
Thousands of km	24	48	72	96	120	144
Months						
Check battery charge status and possibly recharge	●	●	●	●	●	●
Check tyre condition/wear and adjust pressure, if necessary	●	●	●	●	●	●
Check operation of lighting system (headlamps, direction indicators, hazard warning lights, luggage compartment, passenger compartment, instrument panel warning lights, etc.)	●	●	●	●	●	●
Check windscreen wiper/washer operation, adjust nozzles	●	●	●	●	●	●
Check the position/wear of the windscreen/rear window wiper blades	●	●	●	●	●	●
Check front disc brake pad conditions and wear	●	●	●	●	●	●
Check rear drum brake linings conditions and wear		●		●		●
Visually inspect the conditions of: bodywork, underbody protection, pipes and hoses (exhaust - fuel - brakes), rubber parts (boots - sleeves - bushes - etc.)	●	●	●	●	●	●
Check cleanliness of bonnet and boot locks, as well as cleanliness and lubrication of linkages	●	●	●	●	●	●
Check the tension of auxiliary drive belt/s and adjust if necessary (or every 24 months) (excluding engines equipped with automatic tensioners)	●				●	
Visually inspect conditions of the accessory drive belts		●				●
Check and adjust tappet clearance (1.2 8V versions)		●		●		●
Check and adjust clutch pedal travel (0.9 TwinAir 65 HP versions)	●	●	●	●	●	●
Check and adjust handbrake lever stroke	●	●	●	●	●	●

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Thousands of miles	18	36	54	72	90	108
Thousands of km	30	60	90	120	150	180
Months	24	48	72	96	120	144
Check rear disc brake pad condition and wear		●		●		●
Check rear disc brake pad condition and wear (1.4 16V versions*)	●	●	●	●	●	●
Check and, if necessary, top-up fluid levels (engine coolant, brakes, hydraulic clutch, windscreen washer, battery, etc.)	●	●	●	●	●	●
Check condition of toothed timing drive belt (excluding Multijet 1.3, 0.9 TwinAir 65 HP, 85 HP and 105 HP versions)		●				●
Check engine management system operation (through the diagnosis socket)	●	●	●	●	●	●
Check gearbox oil level			●			●
Check exhaust emissions/smokiness	●	●	●	●	●	●
Replace accessory drive belts				●		
Replace air cleaner cartridge (0.9 TwinAir 65 HP and 1.2 8V versions)		●		●		●
Replace air cleaner element (0.9 TwinAir 85 HP, 105 HP, 1.4 16V* and 1.3 Multijet)	●	●	●	●	●	●
Replace toothed timing drive belt (1) (1.2 8V and 1.4 16V versions*)				●		

* For versions/markets, where provided

(1) Or every four years for particularly demanding use (cold climates, city driving, long periods of idling) or at least every five years irrespective of the mileage.

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Thousands of miles	18	36	54	72	90	108
Thousands of km	30	60	90	120	150	180
Months	24	48	72	96	120	144
Replace spark plugs (2) (0.9 TwinAir 65 HP versions)		●		●		●
Replace spark plugs (2) (0.9 TwinAir 85 HP, 105 HP, 1.2 8V, 1.4 16V versions*)	●	●	●	●	●	●
Change engine oil and oil filter (petrol versions) (3)	●	●	●	●	●	●
Change engine oil and oil filter (Multijet versions with DPF) (4) (5)						
Change brake fluid (or every two years)		●		●		●
Replace pollen filter (or once a year)	●	●	●	●	●	●
Replace fuel filter (1.3 Multijet versions)		●		●		●

(2) For the 0.9 TwinAir versions, the following are essential to ensure correct operation: only use spark plugs of the same make and type which are specially certified for these engines (see the information in the “Engine” paragraph in the “Technical specifications” section); strictly comply with the spark plug replacement interval given in the Scheduled Servicing Plan; for spark plug replacement, it is advisable to contact a Fiat Dealership.

* For versions/markets, where provided

- (3) If the vehicle is mainly used for city driving or has an annual mileage of less than 10,000 km, the engine oil and engine oil filter should be changed every 12 months.
- (4) Engine oil and filter shall be changed when the corresponding warning light turns on (see chapter “Warning lights and Messages”), or in any case every 2 years. If the car is used mainly for town driving, the engine oil and filter should be changed every 12 months.
- (5) The actual interval for changing the oil and replacing the engine oil filter depends on the car usage conditions and is signalled by the warning light or message (if present) in the instrument panel and must never exceed 24 months.

PERIODIC CHECKS

Every 1,000 km or before long journeys, check and, if necessary, restore:

- engine coolant level;
- brake fluid level;
- windscreen washer fluid level;
- tyre inflation pressure and condition;
- operation of lighting system (headlights, direction indicators, hazard warning lights, etc.);
- operation of screen wash/wipe system and positioning/wear of windscreen/rear window wiper blades.

Every 3,000 km check and top up if required: engine oil level.

You are advised to use PETRONAS LUBRICANTS products, which have been designed and produced specifically for Fiat cars (see table "Capacities" in the "Technical specifications" section).

HEAVY-DUTY USE OF THE CAR

Should the prevailing use of the car be under one of the following specially demanding conditions:

- towing a trailer or caravan;
- dusty roads;
- short, repeated journeys (less than 7-8 km) at sub-zero outside temperatures;
- engine often idling, or driving long distances at low speed (e.g. door to door deliveries) or long period of inactivity;

the following checks must be carried out more often than indicated in the Scheduled Servicing Plan:

- check front disc brake pad conditions and wear;
- check cleanliness of bonnet and boot locks, cleanliness and lubrication of linkage;
- visually inspect conditions of: engine, gearbox, transmission, pipes and hoses (exhaust - fuel system - brakes) and rubber elements (boots - sleeves - bushes - etc.);
- check battery charge status and fluid (electrolyte) level (refer to "Battery - Check state of charge and electrolyte level" paragraph in this chapter);
- visually inspect conditions of the auxiliary drive belts;

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- check and, if necessary, replace the pollen filter; in particular it should be replaced if a decrease in the air flow into the passenger compartment is detected;
- check and, if necessary, replace air cleaner.

CHECKING FLUID LEVELS



WARNING

Never smoke while working in the engine compartment: gas and inflammable vapours may be present, with the risk of fire.



Be careful, when topping up, and take care not to mix up the various types of fluids: they are all incompatible with one another and could seriously damage the car.

0.9 TwinAir 65 HP versions

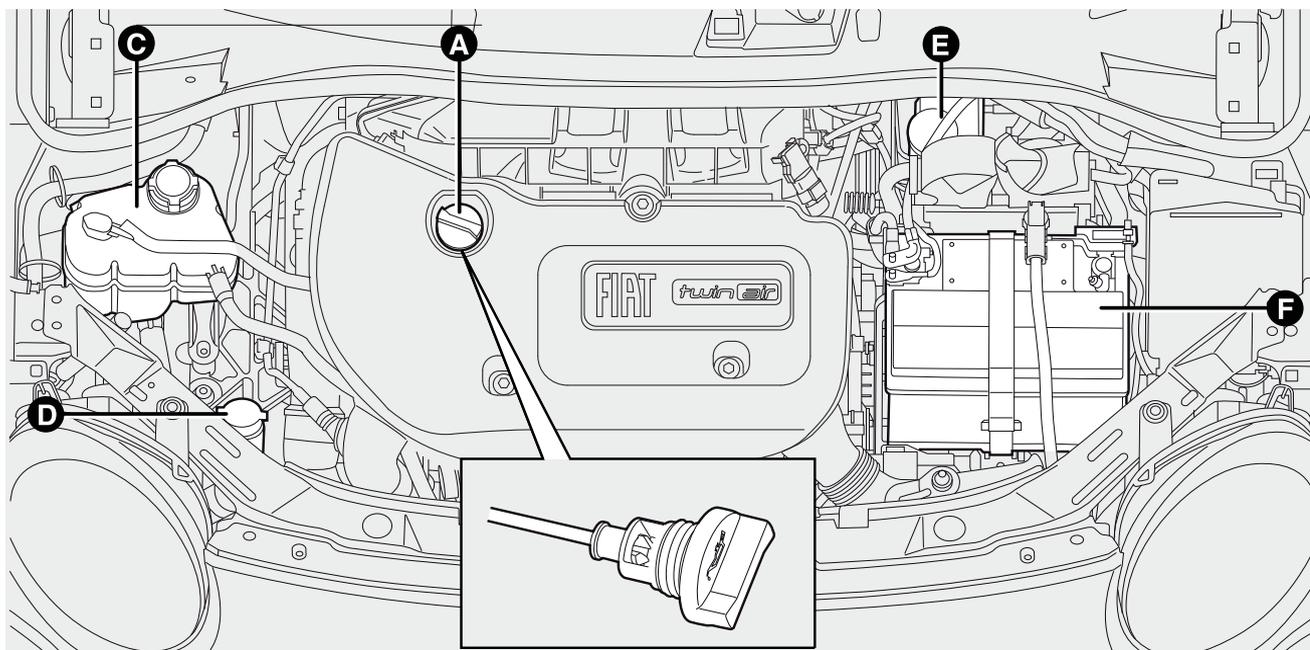


fig. 135

F0S0394

A. Engine oil plug/filler B. Engine oil dipstick C. Engine coolant fluid D. Windscreen washer fluid E. Brake fluid F. Battery

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0.9 TwinAir 85 HP - 105 HP versions

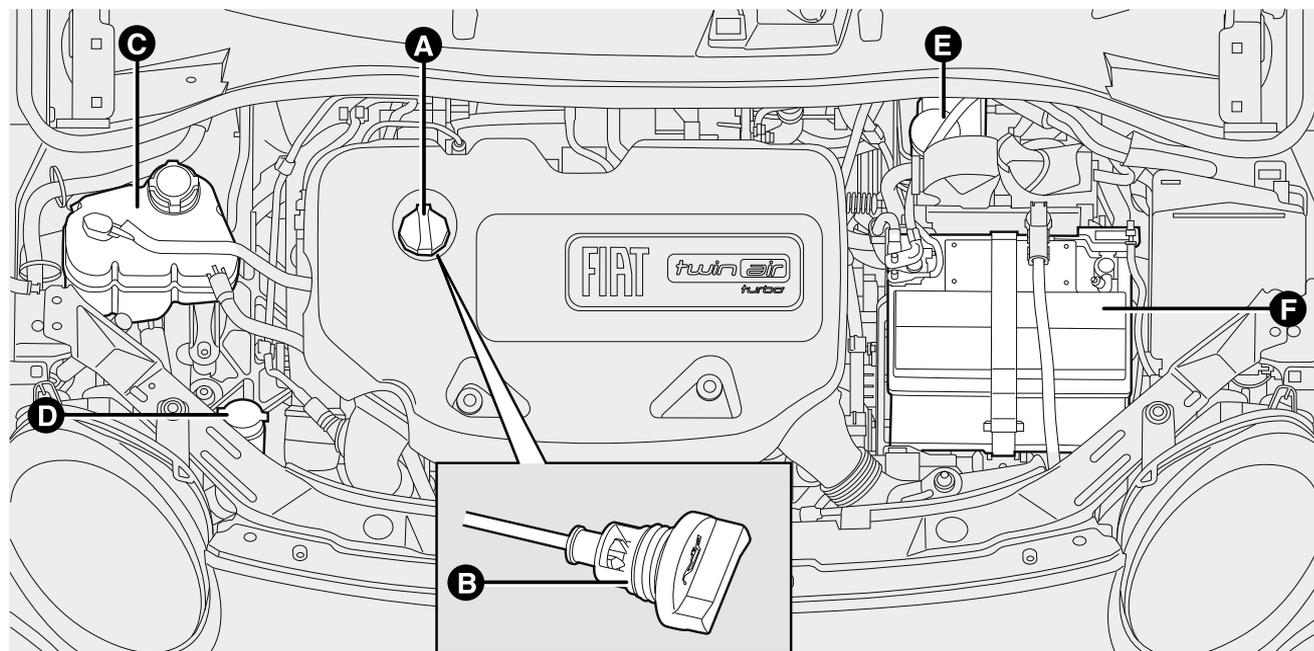


fig. 136

A. Engine oil plug/filler B. Engine oil dipstick C. Engine coolant fluid D. Windscreen washer fluid E. Brake fluid F. Battery

F0S0395

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1.2 8V versions

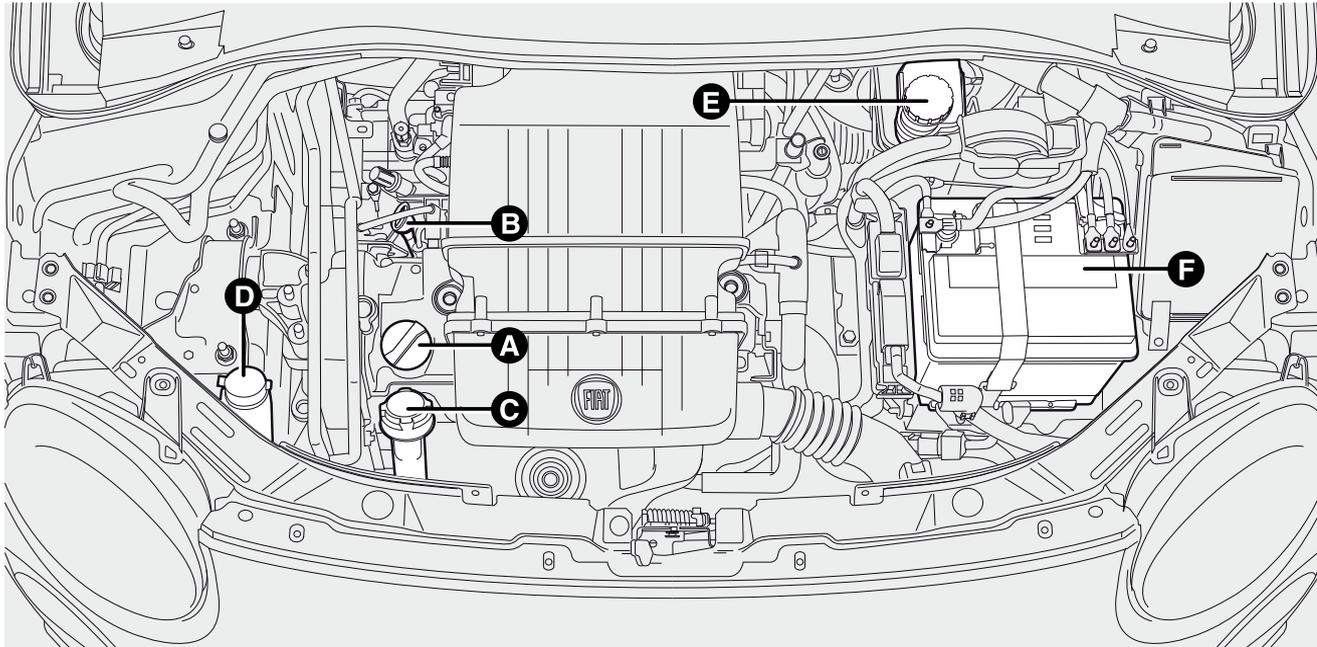


fig. 137

F0S0396

A. Engine oil plug/filler B. Engine oil dipstick C. Engine coolant fluid D. Windscreen washer fluid E. Brake fluid F. Battery

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I.4 16V versions (for versions/markets where provided)

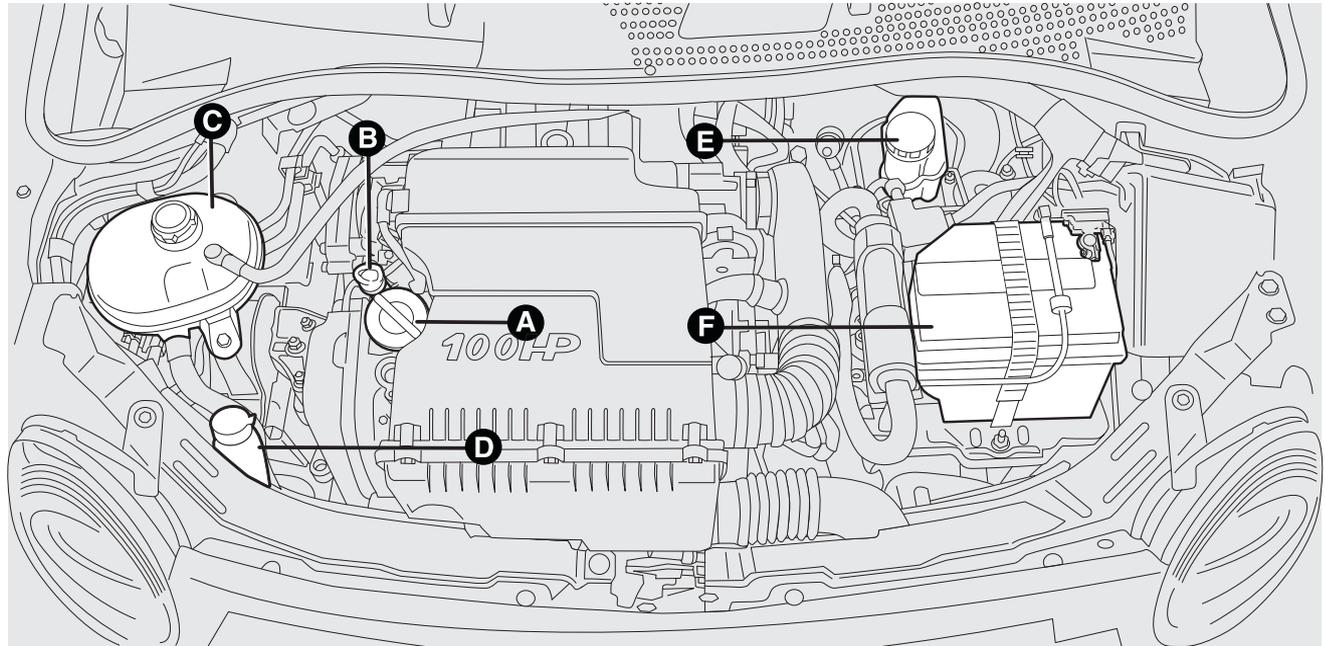


fig. 138

A. Engine oil plug/filler B. Engine oil dipstick C. Engine coolant fluid D. Windscreen washer fluid E. Brake fluid F. Battery

F0S0071

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I.3 Multijet 75 HP versions

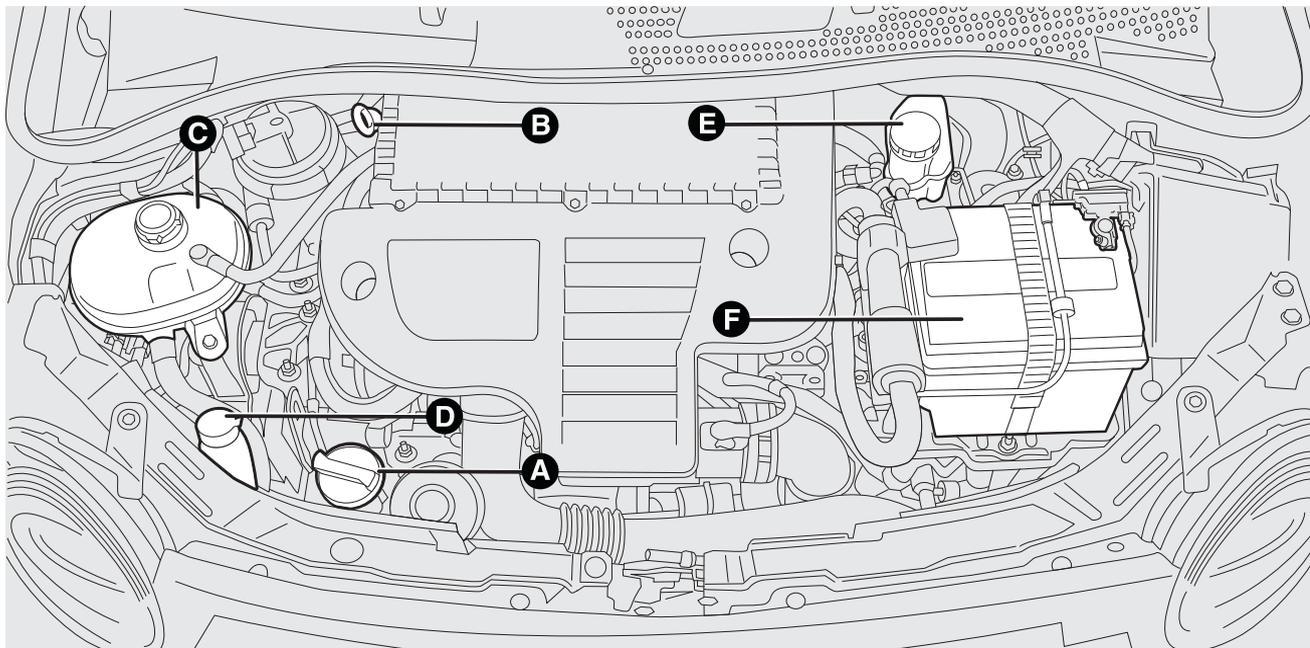


fig. 139

F0S0072

A. Engine oil plug/filler B. Engine oil dipstick C. Engine coolant fluid D. Windscreen washer fluid E. Brake fluid F. Battery

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I.3 Multijet 95 HP versions

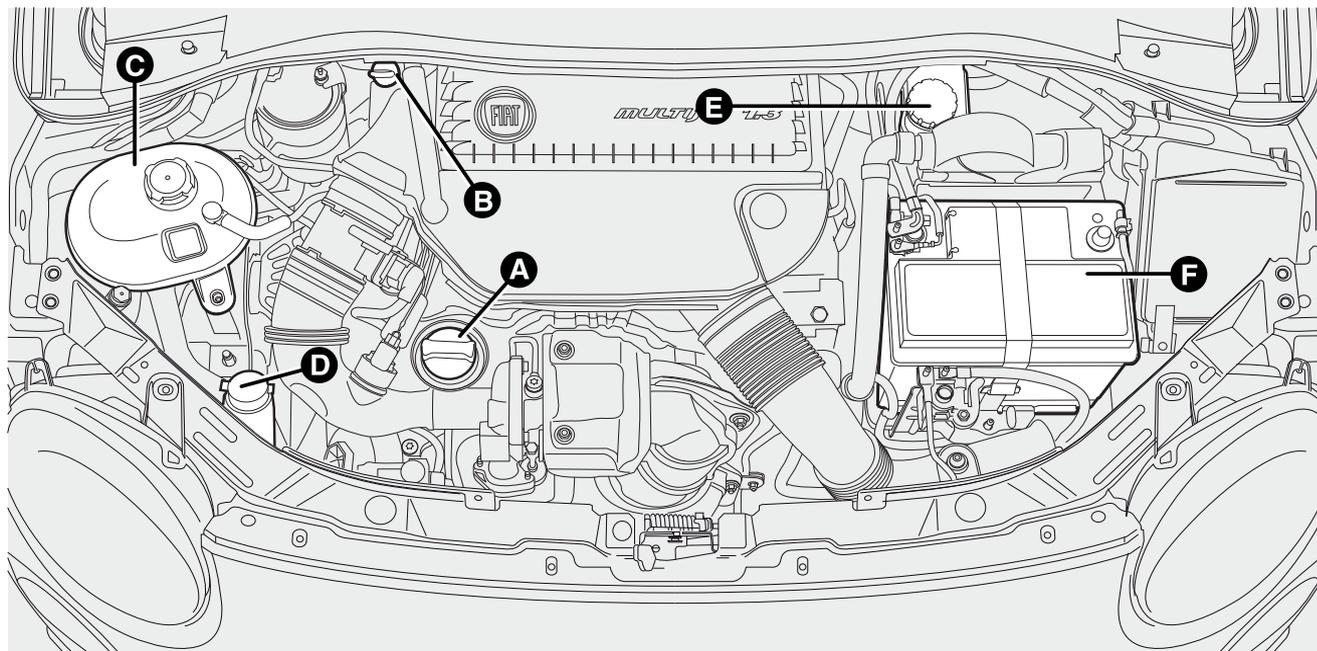


fig. 140

F0S0399

A. Engine oil plug/filler B. Engine oil dipstick C. Engine coolant fluid D. Windscreen washer fluid E. Brake fluid F. Battery

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ENGINE OIL

Check the oil level a few minutes (about five) after the engine has stopped, with the vehicle parked on level ground.

For all versions, 0.9 TwinAir 65 HP, 85 HP and 105 HP excluded

Extract the engine oil dipstick, clean it with a cloth that does not leave any trace and reinsert it. Extract the engine oil dipstick again and check that the level is between the MIN and MAX marks on the dipstick.

The range between the MIN and MAX marks corresponds to about 1 litre of oil.

If the level of the oil is close to or below the MIN. mark, add oil via the filler fitting until the MAX. mark is reached.

The oil level must never exceed the MAX mark.

For 0.9 TwinAir 65 HP, 85 HP and 105 HP versions

The engine oil dipstick B is integral with plug A.

Loosen the plug, clean the dipstick with a cloth that does not leave traces, reinsert the dipstick and re-tighten the plug.

Extract the engine oil dipstick again and check that the level is between the MIN and MAX marks on the dipstick.

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.

Engine oil consumption

The maximum engine oil consumption is usually 400 grams every 1,000 km.

During the initial period of usage for the vehicle, the engine is bedding in, therefore the engine oil consumption may settle down only after the first 5,000 - 6,000 km.

IMPORTANT The oil consumption depends on driving style and the conditions under which the car is used.

IMPORTANT After adding or changing the oil, let the engine run for a few seconds and wait a few minutes after switching it off before checking the level.

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**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.



Do not add oil with specifications other than that already in the engine.



Used engine oil and filter contain harmful substances for the environment. Contact a Fiat Dealership to have the oil and filters changed. They are equipped to dispose of the used oil and filters respecting nature and the law.

ENGINE COOLANT

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, slowly pour into the reservoir filler neck C (see previous pages) a mixture of 50% distilled water and 50% PARAFLO^{UP} by PETRONAS LUBRICANTS until the level approaches the MAX.

A 50-50 mixture of PARAFLO^{UP} and distilled water gives freeze protection up to -35°C .

When the vehicle is used in particularly harsh weather conditions, we recommend using a 60-40 mixture of PARAFLO^{UP} and distilled water.



PARAFLO^{UP} anti-freeze is used in the engine cooling system. Use the same fluid as in the cooling system when topping up. PARAFLO^{UP} may not be mixed with any other types of fluids. If this happens, do not start the engine and contact a Fiat Dealership.

**WARNING**

The 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 reservoir cap when the engine is hot: you risk scalding yourself.

WINDSCREEN/REAR WINDOW WASHING FLUID

To add fluid, remove cap D (see previous pages) by manoeuvring the special tab.

Use 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.

Close cap D by pressing on the central section.



WARNING

Do not travel if the windscreen washer reservoir is empty: using the windscreen washer is essential for improving visibility. Some commercial windscreen washer additives are flammable. The engine compartment contains hot components which may set it on fire.

BRAKE FLUID

Unscrew cap E (see previous pages) and check that the fluid in the reservoir is at the maximum level.

The fluid level in the reservoir must not exceed the MAX mark.

If you need to top up, you should use the brake fluid shown in the "Fluids and lubricants" table (see chapter "Technical specifications").

Note Carefully clean the cap of the reservoir E and the surrounding surface.

When opening the cap, make sure that no dirt gets into the reservoir.

For topping-up, always use a funnel with integrated filter with mesh equal to or lower than 0.12 mm.

IMPORTANT Brake fluid absorbs moisture. For this reason, if the 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 Plan".



Prevent brake fluid, which is highly corrosive, from coming into contact with painted parts. Should it happen, 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. Call a doctor immediately if swallowed.



WARNING

The symbol  on the container indicates a synthetic brake fluid, distinguishing it from the mineral kind. Using a mineral-type fluid will damage the special rubber seals of the braking system beyond repair.

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AIR CLEANER/POLLEN FILTER

Have the air cleaner or the pollen filter replaced by a Fiat Dealership.

DIESEL FILTER

CONDENSATION DISCHARGE (MultiJet versions)



The presence of water in the supply circuit may cause severe damage to the injection system and irregular engine operation. If the warning light  switches on, contact a Fiat Dealership as soon as possible to have the system bled. If this problem is indicated immediately after refueling, water may have entered the fuel tank. In this case, immediately turn off the engine and contact your Fiat Dealership.

BATTERY

The car has 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 specialised personnel and by a Fiat Dealership.



WARNING

Battery liquid is poisonous and corrosive. Avoid contact with skin and eyes. Keep open flames and sources of sparks away from the battery: risk of explosion and fire.



WARNING

Running the battery with an excessively low liquid level will damage the battery beyond repair and could even cause its explosion.

CHANGING THE BATTERY

If required, replace the battery with a genuine spare part with the same specifications.

If a battery with different specifications is fitted, the service intervals given in the "Scheduled Servicing Plan" in this chapter will no longer be valid.

Follow the battery manufacturer's instructions for maintenance.



Incorrect fitting of electric and electronic devices may cause severe damage to your car. Go to a Fiat Dealership if you want to install accessories (alarms, etc.): they will suggest the most suitable devices and advise you if a higher capacity battery needs to be installed.



Batteries contain substances which are very dangerous for the environment. You are advised to go to a Fiat Dealership to have the battery replaced where the old battery will be disposed of respecting both the environment and the laws in force.

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**WARNING**

If the vehicle must remain unused for a long time at a very low temperature, remove the battery and take it to a warm place, to avoid freezing.

**WARNING**

When performing any operation on the battery or near it, always protect your eyes with 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 that the doors, tailgate and bonnet are closed properly, to prevent any lights from remaining on inside the passenger's compartment;
- switch off all lights inside the car: the car is however equipped with a system which switches all internal lights off automatically;
- do not keep accessories (e.g. sound system, hazard lights, etc.) switched on for a long time when the engine is not running;

- before performing any operation on the electrical system, disconnect the negative battery cable;
- Completely tighten the battery terminals.

IMPORTANT If the charge level remains under 50% for a long time, the battery is damaged by sulphation, reducing its capacity and efficiency at start-up.

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 a Fiat Dealership whose skilled personnel, in addition to suggesting the most suitable devices from 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.

It is normal for the pressure to increase when the car is used; for the correct tyre inflation pressure, see “Wheels” in the “Technical specifications” section.

Incorrect pressure causes abnormal tyre wear fig. 141:

A normal pressure: tread evenly worn.

B low pressure: tread particularly worn at the edges.

C high pressure: tread particularly worn in the centre.

The tyres must be replaced when the tread is less than 1.6 mm thick. In any case, comply with the laws in force in the country where you are driving.

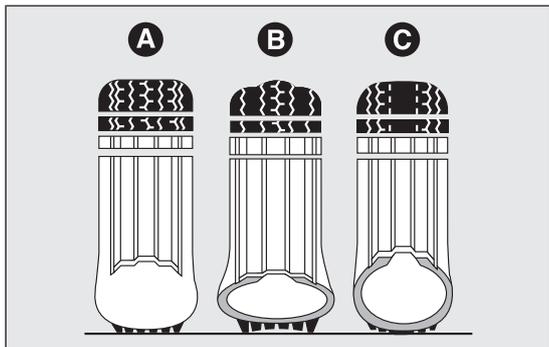


fig. 141

F0S0094

IMPORTANT NOTES

- As far as possible, avoid sharp braking and screech starts. Be careful not to hit the kerb, potholes or obstacles of other kinds. Driving for long stretches over uneven roads can damage the tyres;
- periodically check that the tyres have no cuts in the side wall, abnormal swelling or irregular tyre 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 immediately and change it to avoid damage to the tyre, the rim, suspensions and steering system;
- tyres age even if they are not used a great deal. Cracks in the tread and on the sidewalls are a sign of ageing. In any event, have the tyres checked by specialised personnel if they have been fitted for longer than six years. Also remember to check the space-saver wheel with particular care;
- In the case of replacement, always fit new tyres, avoiding those of dubious origin;
- if a tyre is changed, also change the inflation valve;
- to allow even wear between the front and rear tyres, it is advisable to change them over every 10–15 thousand kilometres, keeping them on the same side of the car so as not to reverse the direction of rotation.

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**WARNING**

Remember that the road holding qualities of your car also depend on correct tyre pressures.

**WARNING**

If tyre pressure is too low, it may overheat and be severely damaged as a result.

**WARNING**

Do not switch tyres from the right-hand side of the vehicle to the left-hand side, and vice versa.

**WARNING**

Never submit alloy rims to repainting treatments requiring the use of 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 Plan" 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

BLADES

Periodically clean the rubber part using special products; TUTELA PROFESSIONAL SC 35 is recommended.

Replace the blades if the rubber edge is deformed or worn. In any case, it is advisable to replace them approximately once a year.

A few simple precautions can reduce the possibility of damage to the blades:

- if the temperature falls below zero, make sure that ice has not frozen the rubber against the glass. 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 over-heating;
- do not operate the windscreen and rear window wipers on dry glass.



WARNING

Driving with worn wiper blades is a serious hazard, because visibility is reduced in bad weather.

CHANGING THE WINDSCREEN WIPER BLADES

Proceed as follows:

- raise the windscreen wiper arm A fig. 142 and position the blade so that it forms an angle of 90° with the arm;
- press the button A and extract the blade C fig. 142 from the arm B fig. 142;
- insert the new blade making sure it is locked into place.

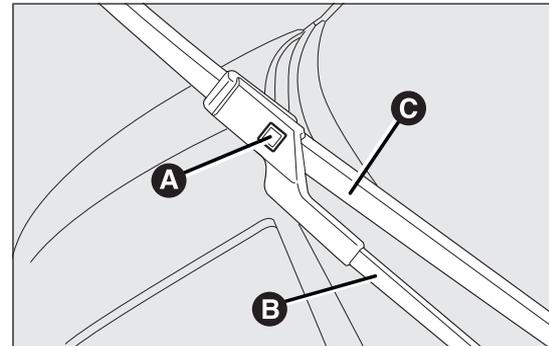


fig. 142

F0S0137

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CHANGING THE REAR WINDOW WIPER BLADE

Proceed as follows:

- raise the cover A fig. 143 and remove the arm from the car, undoing the nut B fig. 143 that fastens it to the pivot pin;
- fit the new arm, positioning it correctly, and fully tighten the nut;
- lower the cover.

WINDSCREEN JETS (WASHERS)

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; use a needle to unblock them if necessary.

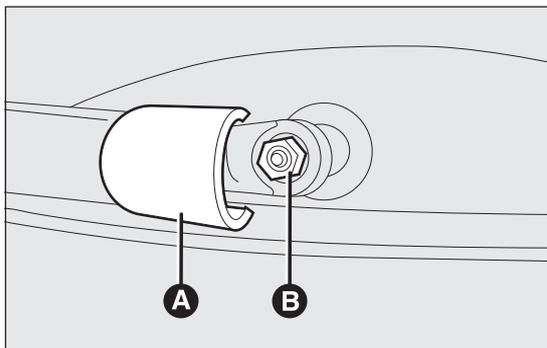


fig. 143

F0S0109

The windscreen jets are directed by adjusting the angle of the nozzles.

The jets should be directed at about 1/3 of the height from the top edge of the windscreen fig. 144.

IMPORTANT In versions with a sun roof, make sure that the sun roof is closed before operating the front jets.

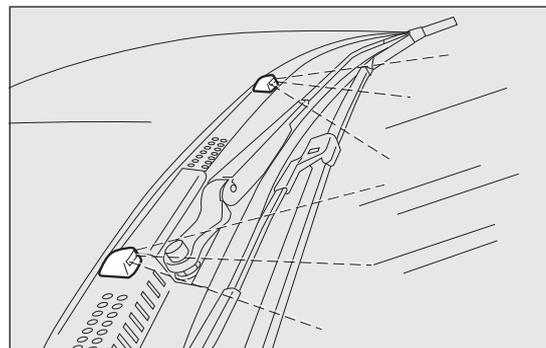


fig. 144

F0S0110

REAR WINDOW JETS (WASHERS)

Rear window washer jets are fixed.

The nozzle holder is on the rear window fig. 145.

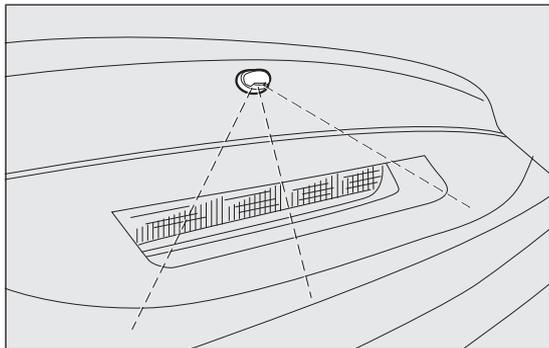


fig. 145

F0S0111

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.

The abrasive action of wind-borne atmospheric dust and sand, as well as mud and gravel raised by other vehicles is also not to be underestimated.

On your car, Fiat has adopted the best manufacturing technologies to effectively protect the bodywork against corrosion.

These are the most important:

- 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 arch interiors and other parts with highly protective wax products;
- spraying of plastic parts, with a protective function in the more exposed points: underdoor, inner wing, edges, etc;
- Use of “open” boxed sections to prevent condensation and pockets of moisture from triggering rust inside.

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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 rust formation. Use only original paint products for touch-ups (see “Bodywork paint identification plate” in the “Technical specifications” section).

Normal maintenance of paintwork consists in washing the car: the frequency depends on the conditions and environment where the car is used. For example, in highly polluted areas, or if the roads are spread 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;
- if high pressure jets or cleaners are used to wash the vehicle, keep a distance of at least 40 cm from the bodywork to avoid damage or alteration. It should be remembered that the build up of water can damage the car over a period of time;
- 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 particularly carefully, such as the door frames, bonnet and the headlight frames, where 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.

External 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 that many species release give the paint a dull appearance and increase the possibility of triggering rusting processes.

IMPORTANT Bird droppings must be washed off immediately and thoroughly as the acid they contain is particularly aggressive.



Detergents pollute the environment. Therefore the engine compartment should be washed in areas equipped for collecting and purifying the liquid used in the washing process.

Versions with matt paintwork

These versions have exclusive matt paintwork which requires special care for its preservation. The instructions for good preservation follow below.



Avoid washing with rollers and/or brushes in washing stations. Then, wash the car, only by hand, using pH-neutral detergents; dry it with a wet chamois leather. Abrasive products and/or polishes should not be used for cleaning the car.



Bird droppings must be washed off immediately and thoroughly as the acid they contain is particularly aggressive.



Avoid (if at all possible) parking the car under trees; remove vegetable resins immediately as, when dried, it may only be possible to remove them with abrasive products and/or polishes, which is highly inadvisable as they could alter the typical opacity of the paint.

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Do not use pure windscreen washer fluid for cleaning the windscreen and the rear window: dilute it to at least 50% with water.

America versions

Your FIAT  America has exclusive decorations on the door mirror fairings which require special care when washing in order to preserve them.

IMPORTANT Do not use high temperature or pressure water jets on the door mirror fairings.

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 each winter, thoroughly wash the engine compartment, taking care to avoid spraying the water jet directly onto the electronic control units and the relay/fuse control unit on the left side of the engine compartment (as you look from behind the wheel). 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 the plastic lenses of the front headlights.

INTERIORS

Regularly check that water is not trapped under the mats (due to water dripping off shoes, umbrellas, etc.), as this could cause oxidation of the sheet metal.



WARNING

Never use flammable products, such as petrol ether or rectified petrol to clean the inside of the car. The electrostatic charges which are generated by rubbing during the cleaning operation may cause a fire.



WARNING

Do not keep aerosol cans in the car: they might explode. Aerosol cans must not be exposed to temperatures exceeding 50°C. When the vehicle is exposed to sunlight, the temperature inside 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.

PLASTIC AND COATED PARTS

It is advisable to clean interior parts with a moist cloth and a solution of water and mild neutral 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 Do not use alcohol, petrols or derivatives to clean the instrument panel lens.

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IDENTIFICATION DATA

We recommend taking note of the identification codes. The following identification codes are printed and shown on the plates:

- Model plate.
- Chassis marking.
- Bodywork paint identification plate.
- Engine marking.

V.I.N. PLATE

The data plate is located on the left side of the boot floor and it bears the following identification data fig. 146:

- B** Type-approval number.
- C** Vehicle type identification code
- D** Chassis serial number.
- E** Maximum authorised weight of vehicle fully laden
- F** Maximum authorised weight of vehicle fully laden plus trailer.
- G** Maximum permitted weight on first (front) axle
- H** Maximum permitted weight on second (rear) axle
- I** Engine type.
- L** Bodywork version code.
- M** Spares number.
- N** Correct value of smoke coefficient (for diesel engines)

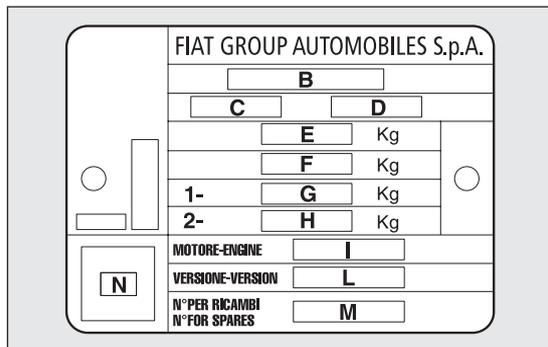


fig. 146

F0S0112

BODYWORK PAINT IDENTIFICATION PLATE

The plate is applied on the external tailgate post (left side) and it bears the following data fig. 147:

- A** Paint manufacturer.
- B** Colour name.
- C** Fiat colour code.
- D** Respray and touch up code.

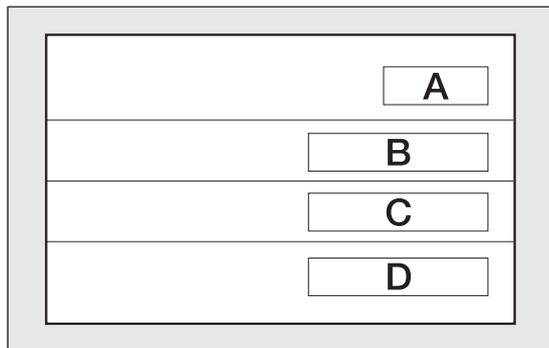


fig. 147

F0S0113

CHASSIS MARKING

The plate is located on the right side of the boot floor and it bears the following identification data fig. 148:

- type of vehicle;
- chassis serial number.

ENGINE MARKING

Engine marking is stamped on the cylinder block and includes the model and the chassis serial number.

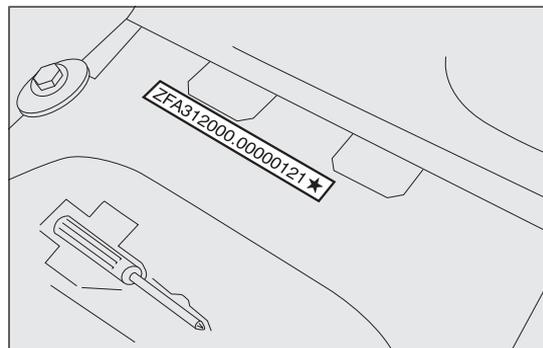


fig. 148

F0S0114

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ENGINE CODE - BODYWORK VERSIONS**EURO 5 TYPE-APPROVAL**

Versions	Engine type code	Bodywork version code
0.9 TwinAir 65 HP	312A4000	312AXH1A 10 (**)
		312AXH1A 10C(**) (***)
0.9 TwinAir 85 HP	312A2000	312AG1A 08
1.2 8v 69 HP	169A4000	312AXA1A 00C (*)
		312AXA1A 00D
		312AXA1A 00E (*) (**)
		312AXA1A 00F (**)
		312AXA1A 00S (***)
1.4 16V 100 HP *	169A3000	312AXC1B 02F (*)
		312AXC1B 02G (*) (**)
1.3 16v Multijet 75 HP	169A1000	312AXB1A 01C (*)
1.3 16V Multijet 95 HP	199B1000	312AXE1A 06C (*) (**)

(**) Versions with Start&Stop system

(***) Versions / markets, where provided

(*) Versions with electric power steering

* For versions/markets, where provided

EURO 6 TYPE-APPROVAL

Versions	Engine type code	Bodywork version code
0.9 TwinAir 65 HP	312A4000	312AXH1A 10E (**) 312AXH1A 10G (***)
0.9 TwinAir 85 HP	312A2000	312AG1A 08E
0.9 TwinAir 105 HP	199B6000	312AXM1B 11
1.2 8V 69 HP	169A4000	312AXA1A 00W 00X (**)
		312AXA1A 00U 00V

(**) Versions with Start&Stop system

(***) Versions / markets, where provided

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ENGINE

Versions	0.9 TwinAir 65 HP	0.9 TwinAir 85 HP	0.9 TwinAir 105 HP	
Type code	312A4000	312A2000	199B6000	
Cycle	Otto	Otto	Otto	
Number and arrangement of cylinders	2 in line	2 in line	2 in line	
Piston bore and stroke (mm)	83.5 x 88	80.5 x 86.0	80.5 x 86.0	
Total displacement (cm ³)	964	875	875	
Compression ratio	11,1 : 1	10±02 : 1	10±02 : 1	
			SPORT	NORMAL
Maximum power (EC) (kW)	48	62,5	77	72
Maximum power (EC) (HP)	65	85	105	98
corresponding engine speed (rpm)	6250	5500	5500	5500
Maximum torque (EC) (Nm)	88	145	145	120
Maximum torque (EC) (kgm)	8,9	14,8	14,8	12,2
corresponding engine speed (rpm)	3500	1900	2000	1750
Spark plugs	NGK LKR7DI-12	NGK LKR9EI-8	NGK ILKR9G8	
Fuel	Unleaded petrol 95 RON (EN 228 Specification)		Unleaded petrol 95 RON (EN 228 Specification)	

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Versions	1.2 8V 69 HP	1.4 16V 100 HP*	1.3 16V Multijet 75 HP	1.3 16V Multijet 95 HP
Type code	169A4000	169A3000	169A1000	199B1000
Cycle	Otto	Otto	Diesel	Diesel
Number and arrangement of cylinders	4 in line	4 in line	4 in line	4 in line
Piston bore and stroke (mm)	70.8 x 78.86	72 x 84	69.6 x 82	69.6 x 82
Total displacement (cm ³)	1242	1368	1248	1248
Compression ratio	11,1 : 1	10,8 : 1	17,6:1	16,8:1
Maximum power (EC) (kW)	51	73,5	55	70
Maximum power (EC) (HP)	69	100	75	95
corresponding engine speed (rpm)	5500	6000	4000	4000
Maximum torque (EC) (Nm)	102	131	145	200
Maximum torque (EC) (kgm)	10,4	13,4	14,8	20,4
corresponding engine speed (rpm)	3000	4250	1500	1500
Spark plugs	NGK ZKR7A-10 Champion RA8MCX4	NGK DCPR7E- N-10	-	-
Fuel	Unleaded petrol 95 RON (EN 228 Specification)		Diesel for motor vehicles (EN590 specification)	

* For versions/markets, where provided

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FUEL POWER SUPPLY

Versions

Fuel supply system

0.9 TwinAir 65 HP

0.9 TwinAir 85 HP

0.9 TwinAir 105 HP

1.2 8v 69 HP

1.4 16V 100 HP *

1.3 16v Multijet 75 HP

1.3 16V Multijet 95 HP

Multipoint sequential timed electronic injection, with knock control and variable intake valve actuation

Multipoint sequential phased electronic injection, returnless system

Electronically controlled Common Rail Multijet direct injection with turbo and intercooler

* For versions/markets, where provided



WARNING

Modifications or repairs to the fuel supply system that are not carried out correctly or do not take the system's technical specifications into account can cause malfunctions leading to the risk of fire.

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TRANSMISSION

Versions	Gearbox	Clutch	Traction
0.9 TwinAir 65 HP	Five/six forward speeds plus reverse with synchronisers for selecting forward gears	Self-adjusting pedal without idle stroke	Front
0.9 TwinAir 85 HP			
0.9 TwinAir 105 HP			
1.2 8v 69 HP			
1.4 16V 100 HP *			
1.3 16v Multijet 75 HP			
1.3 16V Multijet 95 HP			

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BRAKES

Versions	Front service brakes	Rear service brakes	Parking brake
0.9 TwinAir 65 HP	Disc	Drum, self-centring shoes with control cylinder for each wheel	Controlled by hand lever, acting on the rear brakes
0.9 TwinAir 85 HP			
0.9 TwinAir 105 HP	Disc	Disc	
1.2 8v 69 HP	Disc	Drum, self-centering shoes with one control cylinder for each wheel	
1.4 16V 100 HP *	Self-ventilated disc	Disc	
1.3 16v Multijet 75 HP	Self-ventilated disc	Drum, self-centering shoes with one control cylinder for each wheel	
1.3 16V Multijet 95 HP			

* For versions/markets, where provided

IMPORTANT Water, ice and salt spread on the roads may deposit on the brake disks reducing braking efficiency the first time the brakes are applied.

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SUSPENSIONS

Versions	Front	Rear
0.9 TwinAir 65 HP	MacPherson independent wheels with mechanical crossmember, shock absorbers and coil springs; with anti-roll bar for versions with electric power steering	Torsion beam with interconnected wheels consisting of a torsion axle and two tubular arms with shock absorbers and coil springs with anti-roll bar *
0.9 TwinAir 85 HP		
0.9 TwinAir 105 HP		
1.2 8v 69 HP		
1.4 16V 100 HP *		
1.3 16V Multijet 75 HP		
1.3 16V Multijet 95 HP		

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STEERING

Versions	Turning circle (m)	Type
0.9 TwinAir 65 HP	9,3	Rack and pinion with electric power steering *
0.9 TwinAir 85 HP	9,3	
0.9 TwinAir 105 HP	9,3	
1.2 8v 69 HP	9,3	
1.4 16V 100 HP *	10,8	
1.3 16V Multijet 75 HP	9,3	
1.3 16V Multijet 95 HP	10,8	

* For versions/markets, where provided

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WHEELS

RIMS AND TYRES

Pressed steel or alloy rims. Tubeless radial carcass tyres. All approved tyres are listed in the registration document.

IMPORTANT If there are any discrepancies between the Owner handbook and the registration document, take the information from the latter. For safe driving, the car must be fitted with tyres of the same make and type on all wheels.

IMPORTANT Do not use air chambers with tubeless tires.

SPACE-SAVER WHEEL

Pressed steel wheel. Tubeless tyre.

WHEEL GEOMETRY

Front wheel toe-in measured from rim to rim: 0.5 ± 1 mm

The values refer to the car in running order.

CORRECT TYRE READING

Example fig. 149: 175/65 R 14 82H

175 Nominal width (S, distance in mm between sidewalls)

65 Height/width ratio (H/S) as a percentage

R Radial tyre

14 Rim diameter in inches (\emptyset)

82 Load rating (capacity)

H Maximum speed index

Maximum speed index

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

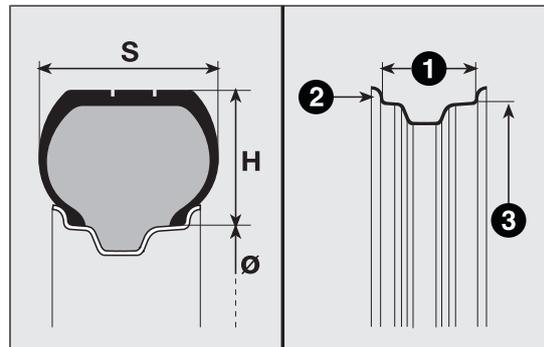


fig. 149

F0S0095

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Maximum speed index for snow tyres**QM + S** up to 160 km/h**TM + S** up to 190 km/h**HM + S** up to 210 km/h**Load rating (capacity)**

70 = 335 kg	81 = 462 kg
71 = 345 kg	82 = 475 kg
72 = 355 kg	83 = 487 kg
73 = 365 kg	84 = 500 kg
74 = 375 kg	85 = 515 kg
75 = 387 kg	86 = 530 kg
76 = 400 kg	87 = 545 kg
77 = 412 kg	88 = 560 kg
78 = 425 kg	89 = 580 kg
79 = 437 kg	90 = 600 kg
80 = 450 kg	91 = 615 kg

CORRECT READING OF THE WHEEL RIM**Example: 5.00 B x 14 H2** fig. 149**5,00** rim width in inches 1.**B** profile of the flange (side projection where the tyre bead rests) 2.**14** fitting diameter, expressed in inches (corresponds to the diameter of the tyre that should be fitted) 3 = Ø.**H2** shape and number of humps (circumference measurement which keeps the bead of tubeless tyres in position on the rim).

RIMS AND TYRES PROVIDED AS STANDARD

Versions	Rims	Tyres	Snow tyres	Space-saver spare wheel * Rim Tyre
0.9 TwinAir 65 HP	5½jx14H2-ET35	175/65 R14 82T	175/65 R14 82Q (M+S)	4.00Bx14 ET43 135x80 R14 84P 4.00Bx14 ET43 135x80 R14 84M 4.00Bx14 ET43 135x80 B14 84M
	6jx15H2-ET35 (**)	185/55 R15 82T (***)	185/55 R15 82Q (M+S)	
	6½jx16H2-ET35 (**)	195/45 R16 84T (***)	195/45 R16 84Q (M+S)	
0.9 TwinAir 85 HP	5½jx14H2-ET35	175/65 R14 82T	175/65 R14 82Q (M+S)	4.00Bx14 ET43 135x80 R14 84P 4.00Bx14 ET43 135x80 R14 84M 4.00Bx14 ET43 135x80 B14 84M
	6jx15H2-ET35 (**)	185/55 R15 82T (***)	185/55 R15 82Q (M+S)	
	6½jx16H2-ET35 (**)	195/45 R16 84T (***)	195/45 R16 84Q (M+S)	

* For versions/markets, where provided

(**) Alloy rim

(***) Not suitable for chains

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Versions	Rims	Tyres	Snow tyres	Space-saver spare wheel * Rim Tyre
0.9 TwinAir 105 HP	6jx15H2-ET35 / 40 (**)	185/55 R15 82H (***)	185/55 R15 82Q (M+S)	4.00Bx14 ET43 135x80 R14 84P 4.00Bx14 ET43 135x80 B14 80P
	6½jx16H2-ET35 (**)	195/45 R16 84H (***)	195/45 R16 84Q (M+S)	4.00Bx14 ET43 135x80 B14 84M

* For versions/markets, where provided

(**) Alloy rim

(***) Not suitable for chains

Versions	Rims	Tyres	Snow tyres	Space-saver spare wheel * Rim Tyre
1.2 8V 69 HP	5½jx14H2-ET35 (****)	165/65 R14 79T (****)	165/65 R14 79Q (M+S) (****)	4.00Bx14 ET43 135x80 R14 84P 4.00Bx14 ET43 135x80 R14 84M 4.00Bx14 ET43 135x80 B14 84M
	5½jx14H2-ET35	175/65 R14 82T	175/65 R14 82Q (M+S)	
	6jx15H2-ET35 (**)	185/55 R15 82T (***)	185/55 R15 82Q (M+S)	
	6½jx16H2-ET35 (**)	195/45 R16 84T (****)	195/45 R16 84Q (M+S)	

* For versions/markets, where provided

(****) Only available for versions without electric power steering

(**) Alloy rim

(***) Not suitable for chains

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Versions	Rims	Tyres	Snow tyres	Space-saver spare wheel * Rim Tyre
1.4 16V 100 HP*	5½x14H2-ET35	175/65 R14 82H	175/65 R14 82Q (M+S)	4.00Bx14 ET43 135x80 R14 84P 4.00Bx14 ET43 135x80 R14 84M 4.00Bx14 ET43 135x80 B14 84M
	6x15H2-ET35 (**)	185/55 R15 82H (***)	185/55 R15 82Q (M+S)	
	6x15H2-ET40	185/55 R15 82H (***)	185/55 R15 82Q (M+S)	
	6½x16H2-ET35 (**)	195/45 R16 84H (***)	195/45 R16 84Q (M+S)	
1.3 16V Multijet 75 HP	5½x14H2-ET35	175/65 R14 82T	175/65 R14 82Q (M+S)	4.00Bx14 ET43 135x80 R14 84P 4.00Bx14 ET43 135x80 R14 84M 4.00Bx14 ET43 135x80 B14 84M
	6x15H2-ET35 (**)	185/55 R15 82T (***)	185/55 R15 82Q (M+S)	
	6½x16H2-ET35 (**)	195/45 R16 84T (***)	195/45 R16 84Q (M+S)	
1.3 16V Multijet 95 HP	5½x14H2-ET35	175/65 R14 82T	175/65 R14 82Q (M+S)	4.00Bx14 ET43 135x80 R14 84P 4.00Bx14 ET43 135x80 R14 84M 4.00Bx14 ET43 135x80 B14 84M
	6x15H2-ET35 (**)	185/55 R15 82T (***)	185/55 R15 82Q (M+S)	
	6½x16H2-ET35 (**)	195/45 R16 84T (***)	195/45 R16 84Q (M+S)	

* For versions/markets, where provided

(**) Alloy rim

(***) Not suitable for chains

COLD TYRE INFLATION PRESSURE (bar)

Add +0.3 bar to the prescribed pressure when the tyres are warm.

Recheck pressure value with cold tyres.

Tyres	Medium load		Full load		Space-saver spare wheel*
	Front	Rear	Front	Rear	
165/65 R14 79T	2,0	2,0	2,2	2,2	2,8
175/65 R14 82T	2,0 (**)/ 2,2 (***)	2,0	2,2 (**)/ 2,3 (***)	2,2	
175/65 R14 82H	2,2	2,0	2,3	2,2	
185/55 R15 82T	2,2	2,1	2,3	2,3	
185/55 R15 82H	2,2	2,1	2,3	2,3	
195/45 R16 84T	2,2	2,1	2,4	2,3	
195/45 R16 84H	2,2	2,1	2,4	2,3	

* For versions/markets, where provided

(**) For 1.2 8V versions

(***) For 0.9 TwinAir 65 HP, 85 HP, 105 HP and 1.3 Multijet versions

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RIM PROTECTOR TYRES



WARNING

DO NOT fit wheel hub caps when using integral hub caps fixed (with springs) to the steel rim and after sale tyres provided with Rim Protector (fig. 150). Use of unsuitable tyres and hub caps may cause sudden loss of tyre pressure.



fig. 150

F0S0351

PERFORMANCE

Max. speed in km/h that can be reached after initial car use.

Versions	km/h
0.9 TwinAir 65 HP	159 (in 4th gear)
0.9 TwinAir 85 HP	173
0.9 TwinAir 105 HP	188
1.2 8v 69 HP	160
1.4 16V 100 HP *	182
1.3 16v Multijet 75 HP	165
1.3 16V Multijet 95 HP	180

* For versions/markets, where provided

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DIMENSIONS

Dimensions are expressed in mm fig. 151 and refer to the vehicle equipped with its original tyres. Height is measured with car unladen.

Boot capacity: capacity (V.D.A. standards)= 185 litres.

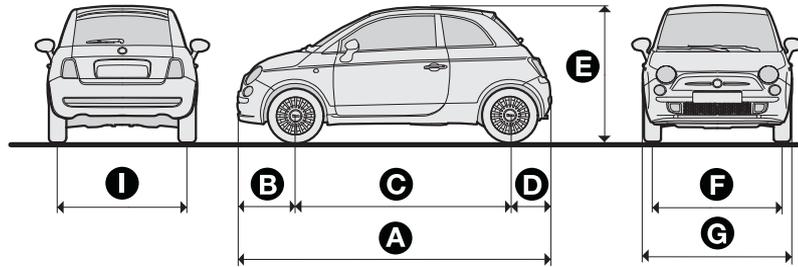


fig. 151

F0S0088

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Versions	A	B	C	D	E	F	G	I
0.9 TwinAir 65 HP	3546	703	2300	543	1488(***)	1413 / 1414(**)	1627	1407 / 1048(**)
0.9 TwinAir 85 HP	3546	703	2300	543	1488(***)	1413 / 1414(**)	1627	1407 / 1048(**)
0.9 TwinAir 105 HP	3546	703	2300	543	1488(***)	1413 / 1414(**)	1627	1407 / 1048(**)
1.2 8v 69 HP	3546	703	2300	543	1488(***)	1413	1627	1407
1.4 16V 100 HP *	3546	703	2300	543	1488(***)	1413 / 1414(**)	1627	1408
1.3 Multijet 75 HP	3546	703	2300	543	1488(***)	1413	1627	1407
1.3 Multijet 95 HP	3546	703	2300	543	1488(***)	1413	1627	1407

(***) Measurements may vary according to rim size.

(**) With 195/45 R16 tyres

* For versions/markets, where provided

WEIGHTS AND LOADS

Versions	0.9 TwinAir 65 HP	0.9 TwinAir 85 HP	0.9 TwinAir 105 HP	1.2 8V 69 HP
Unladen weight (with all fluids, fuel tank filled to 90% and without optional equipment) (kg):	865	930	940	865
Payload including the driver (kg): (**)	440	440	440	440
Maximum permitted loads (kg) (***)				
– front axle:	770	830	830	770
– rear axle:	640	640	640	640
– total:	1305	1370	1380	1305
Towable loads (kg)				
– trailer with brakes:	800	800	800	800
– trailer without brakes:	400	400	400	400
Maximum load on the ball (braked trailer) (kg):	60	60	60	60

(**) If special equipment is fitted (sunroof, tow hitch, etc.) the unladen car weight increases, thus reducing the specified payload in relation to the maximum permissible loads.

(***) Loads not to be exceeded. The user is responsible for arranging goods in the luggage compartment and/or load carrying platform within the maximum permitted loads.

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	Versions	1.4 16V 100 HP*	1.3 16V Multijet 75 HP	1.3 16V Multijet 95 HP
GETTING TO KNOW YOUR CAR	Unladen weight (with all fluids, fuel tank filled to 90% and without optional equipment) (kg):	930	980	980
SAFETY	Payload including the driver (kg): (*)	440	440	440
	Maximum permitted loads (kg) (**)			
STARTING AND DRIVING	– front axle:	830	830	830
	– rear axle:	640	640	640
	– total:	1370	1420	1420
WARNING LIGHTS AND MESSAGES	Towable loads (kg)			
	– trailer with brakes:	800	800	800
	– trailer without brakes:	400	400	400
IN AN EMERGENCY	Maximum load on the ball (braked trailer) (kg):	60	60	60

* For versions/markets, where provided

(*) If special equipment is fitted (sunroof, tow hitch, etc.) the unladen car weight increases, thus reducing the specified payload in relation to the maximum permissible loads.

(**) Loads not to be exceeded. The user is responsible for arranging goods in the luggage compartment and/or load carrying platform within the maximum permitted loads.

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REFUELLING

Petrol versions	0.9 TwinAir 65 HP	0.9 TwinAir 85 HP	0.9 TwinAir 105 HP	Prescribed fuels and original lubricants
Fuel tank (litres):	35	35	35	Unleaded petrol not less than 95 RON (EN 228 specification)
including a reserve of (litres):	5	5	5	
Engine cooling system (litres):	5,2	5,3	5,3	Mixture of demineralised water and 50% PARAFLU ^{UP} (**)
Engine sump (litres):	2,8	2,8	2,8	SELENIA DIGITEK P.E.
Engine sump and filter (litres):	3,2	3,2	3,2	
Gearbox/differential casing (litres):	1,65	1,65	1,65	TUTELA TRANSMISSION TECHNYX
Hydraulic brake circuit (kg):	0,55	0,55	0,55	TUTELA TOP 4
Windscreen and rear window washer fluid reservoir (litres):	2,5	2,5	2,5	Mixture of water and TUTELA PROFESSIONAL SC35

(**) When the vehicle is used in particularly harsh weather conditions, we recommend using a 60-40 mixture of PARAFLU^{UP} and distilled water.

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Petrol versions	1.2 8V 69 HP	1.4 16V 100 HP*	Prescribed fuels and original lubricants
Fuel tank (litres):	35	35	Unleaded petrol not less than 95 RON (EN 228 specification)
including a reserve of (litres):	5	5	
Engine cooling system (litres):	4,85	4,4	Mixture of demineralised water and 50% PARAFLU ^{UP} (**)
Engine sump (litres):	2,5	2,75	SELENIA K P.E.
Engine sump and filter (litres):	2,8	2,90	
Gearbox/differential casing (litres):	1,65	1,65	TUTELA TRANSMISSION TECHNYX
Hydraulic brake circuit (kg):	0,55	0,55	TUTELA TOP 4
Windscreen and rear window washer fluid reservoir (litres):	2,5	2,5	Mixture of water and TUTELA PROFESSIONAL SC35

* For versions/markets, where provided

(**) When the vehicle is used in particularly harsh weather conditions, we recommend using a 60-40 mixture of PARAFLU^{UP} and distilled water.

Diesel versions	1.3 16v Multijet 75 HP	1.3 16V Multijet 95 HP	Recommended fuels and original lubricants
Fuel tank (litres):	35	35	Diesel for automotive engines (EN 590 Specification)
including a reserve of (litres):	5	5	
Engine cooling system (litres):	6,3	6,3	Mixture of 50% water and PARAFLU ^{UP} (**)
Engine sump (litres):	2,8	2,8	SELENIA WR P.E.
Engine sump and filter (litres):	3,0	3,0	
Gearbox/differential casing (litres):	1,65	1,65	TUTELA TRANSMISSION TECHNIX
Hydraulic brake circuit (kg):	0,55	0,55	TUTELA TOP 4
Windscreen and rear window washer fluid reservoir (litres):	2,5	2,5	Mixture of water and TUTELA PROFESSIONAL SC35

(**) When the vehicle is used in particularly harsh weather conditions, we recommend using a 60-40 mixture of PARAFLU^{UP} and distilled water.

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FLUIDS AND LUBRICANTS

Your car is equipped with an engine oil that has been thoroughly developed and tested in order to meet the requirements of the Scheduled Servicing Plan. Constant use of the prescribed lubricants guarantees the fuel consumption and emission specifications. Lubricant quality is crucial for engine operation and duration.

PRODUCT SPECIFICATIONS

Use	Fluid and lubricant features for a correct use of the car	Genuine fluids and lubricants	Replacement interval
Lubricants for 0.9 TwinAir 65 HP, 85 HP, 105 HP petrol engines	SAE 0W-30 ACEA C2 grade totally synthetic lubricant. FIAT Classification 9.55535-GS1.	SELENIA DIGITEK P.E. Contractual Technical Reference no. F020.B12	According to Scheduled Servicing Plan
Lubricants for 1.2 8V 69 HP and 1.4 16V 100 HP* petrol engines	SAE 5W-40 ACEA C3 grade totally synthetic lubricant. FIAT Classification 9.55535-S2.	SELENIA K P.E. Contractual Technical Reference No. F603.C07	According to Scheduled Servicing Plan

* For versions/markets, where provided

In case of emergency, if lubricants with the prescribed specifications are not available, products with the minimum indicated ACEA performance can be used for topping up; in this case optimal performance of the engine is not guaranteed. For 0.9 TwinAir engines only use lubricants with indicated SAE grade and specifications.



The use of products with different specifications than those indicated above could cause damage to the engine that is not covered by the warranty.

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Use	Fluid and lubricant features for a correct use of the car	Genuine fluids and lubricants	Replacement interval
Lubricants for 1.3 Multijet 75 HP , 95 HP diesel engines	SAE 5W-30 ACEA C2 grade totally synthetic lubricant FIAT Classification 9.55535-S1.	SELENIA WR P.E. Contractual Technical Reference No. F510.D07	According to Scheduled Servicing Plan

In case of emergency, if lubricants with the prescribed specifications are not available, products with the minimum indicated ACEA performance can be used for topping up; in this case optimal performance of the engine is not guaranteed.



The use of products with different specifications than those indicated above could cause damage to the engine that is not covered by the warranty.

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Use	Fluid and lubricant features for a correct use of the car	Genuine fluids and lubricants	Applications
Lubricants and greases for drive transmission	SAE 75W-85 grade synthetic-base lubricant. FIAT Classification 9.55550-MX3.	TUTELA TRANSMISSION TECHNIX Contractual Technical Reference No. F010.B05	Manual gearbox and differential
	Specific fluid for ratio selector electro-hydraulic actuators. FIAT 9.55550-SA1 classification.	TUTELA CS SPEED Contractual Technical Reference no. F005.F98	Lubricant for electro-hydraulic actuator
	Molybdenum disulphide grease, for use at high temperatures. FIAT Classification 9.55580. Consistency NL.G.I. 1-2.	TUTELA ALL STAR Contractual Technical Reference No. F702.G07	Wheel side constant velocity joints
	Grease for constant velocity joints with low friction coefficient. FIAT Classification 9.55580. Consistency NL.G.I. 0-1.	TUTELA STAR 700 Contractual Technical Reference No. F701.C07	Differential side constant-velocity joints (1.4 16V 100 HP *)
	Polyurea synthetic-based grease suitable for high temperatures. FIAT Classification 9.55580. Consistency NL.G.I. 2.	TUTELA STAR 325 Contractual Technical Reference No. F301.D03	Differential side constant-velocity joints (1.4 16V 100 HP *)
	Brake fluid	Synthetic fluid F.M.V.S.S. no. 116 DOT 4, ISO 4925 SAE J1704, CUNA NC 956- 01. FIAT Classification 9.55597.	TUTELA TOP 4 Contractual Technical Reference No. F001.A93

* For versions/markets, where provided

Use	Fluid and lubricant features for a correct use of the car	Genuine fluids and lubricants	Applications
Protective agent for radiators	Red protective agent with antifreeze action, based on inhibited monoethylene glycol with organic formula. Exceeds CUNA NC 956-16, ASTM D 3306 specifications. FIAT Classification 9.55523.	PARAFLU^{UP} (**) Contractual Technical Reference No. F101.M01	Cooling circuit usage percentage: 50% distilled water 50% PARAFLU^{UP} (***)
Diesel additive	Additive for diesel antifreeze, protecting diesel engines.	TUTELA DIESEL ART Contractual Technical Reference No. F601.L06	To be mixed with diesel (25 cc per 10 litres)
Windscreen/rear window washer fluid	Mixture of alcohol, water and surfactants CUNA NC 956-II. FIAT Classification 9.55522.	TUTELA PROFESSIONAL SC35 Contractual Technical Reference No. F201.D02	To be used diluted or undiluted in windscreen/rear window washer/wiper systems

(**) IMPORTANT Do not use fluids with different specifications for topping-up or mixing.

(***) When the vehicle is used in particularly harsh weather conditions, we recommend using a 60-40 mixture of **PARAFLU^{UP}** and distilled water.

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FUEL CONSUMPTION

The fuel consumption figures given in the tables below are determined on the basis of the type-approval tests laid down by specific European Directives.

The procedures below are followed for measuring consumption:

- urban cycle: cold starting followed by driving that simulates urban use of the car;
- extra-urban cycle: frequent accelerating in all gears, simulating extraurban use of the car: speed varies between 0 and 120 km/h;
- combined fuel consumption: calculated with a weighting of approximately 37% of the urban cycle and 63% of the extra-urban cycle.

IMPORTANT The type of route, traffic conditions, weather conditions, driving style, general condition of the vehicle, trim level/equipment/accessories, use of the climate control, 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.

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FUEL CONSUMPTION ACCORDING TO THE CURRENT EUROPEAN DIRECTIVE (litres/100 km)

Versions	Urban	Extra-urban	Combined
0.9 TwinAir 65 HP	5,2 - 5,1*	3,6 - 3,5*	4,2 - 4,1*
0.9 TwinAir 85 HP	4,7	3,6	4,0
0.9 TwinAir 105 HP	5,5	3,5	4,2
1.2 8V 69 HP	6.4	4.3	5.1
1.2 8V 69 HP Start&Stop	5,7 - 5,6*	4,3 - 4,2*	4,8 - 4,7*
1.4 16V 100 HP *	7,7	5,1	6,1
1.4 16V 100 HP Start&Stop *	7,2	5,0	5,8
1.3 16v Multijet 75 HP	5,3	3,6	4,2
1.3 16V Multijet 95 HP Start&Stop	4.7	3.1	3.7

* For versions/markets, where provided

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CO₂ EMISSIONS

The CO₂ emission levels given in the following tables refer to combined consumption.

Versions	CO ₂ emissions according to the current European directive (g/km)
0.9 TwinAir 65 HP	97 - 95*
0.9 TwinAir 85 HP	92
0.9 TwinAir 105 HP	99
1.2 8v 69 HP	119
1.2 8V 69 HP Start&Stop	113 - 110*
1.4 16V 100 HP *	140
1.4 16V 100 HP Start&Stop *	135
1.3 16v Multijet 75 HP	110
1.3 16V Multijet 95 HP Start&Stop	97

* 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 the ecosystem. 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 it having a zero or negative 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, go to one of our Dealerships or Fiat-authorized 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 with a total permitted weight of 3.5 t

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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

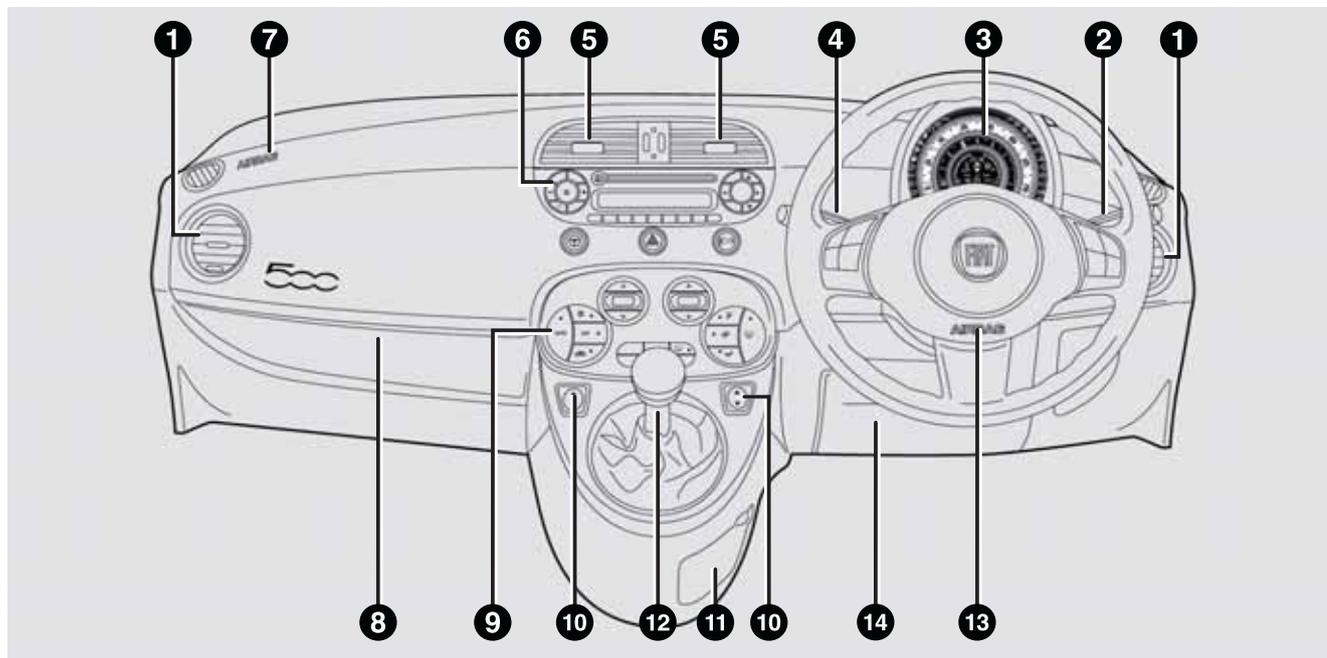
Particularly ideal for the protection of new generation petrol engines, very effective even in the most severe weather conditions. It guarantees a reduction in fuel consumption (Energy conserving) and it is also ideal for alternative engines.

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.

DASHBOARD (RIGHT HAND DRIVE VERSIONS)



F0S0404

1. Side vent – 2. Right stalk: controls wiper, washer, trip computer – 3. Instrument panel and warning lights – 4. Left stalk: external lights control – 5. Central air vents – 6. Oddment/Car radio compartment – 7. Passenger air bag – 8. Oddment compartment/hidden document tray – 9. Heating/ventilation/climate control – 10. Power windows control – 11. Oddment compartment – 12. Gear lever – 13. Driver air bag – 14. Driver knee bag

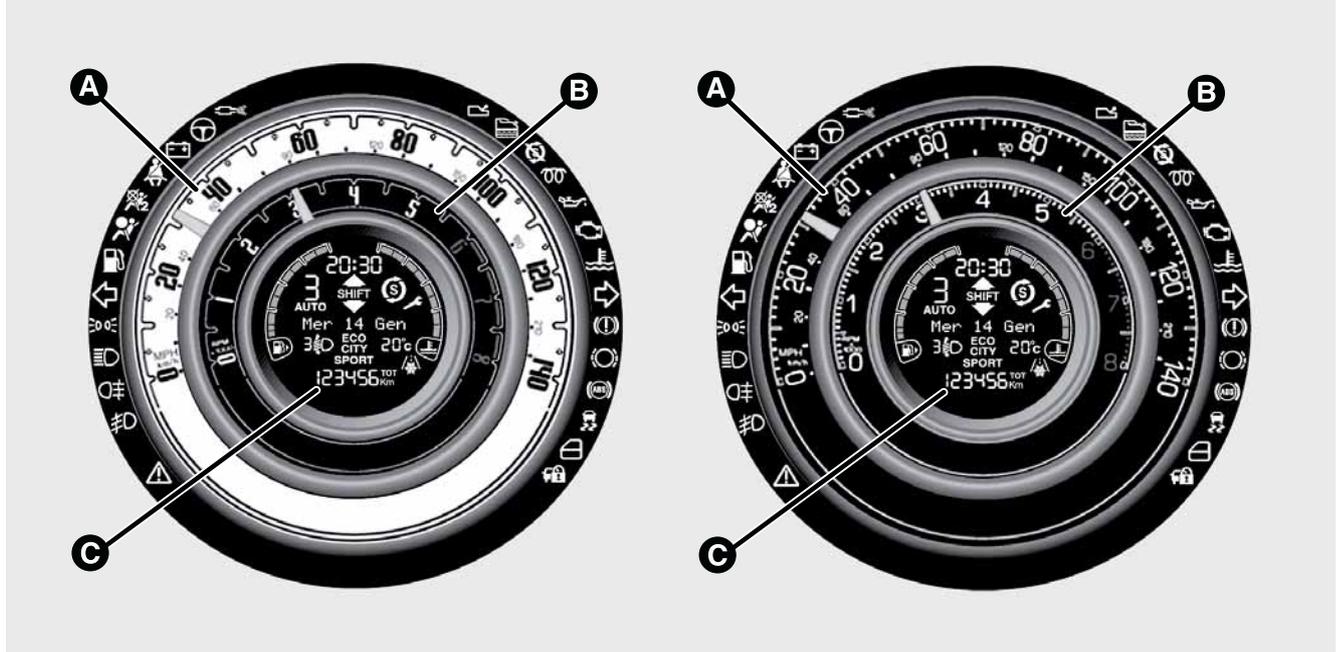
CONTROL PANEL AND INSTRUMENTS

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

The warning lights  and  are only present on Diesel versions.

The warning light  /  is available only on versions with Dualogic gearbox (see “Dualogic” supplement).

Panel version with light background and dark background



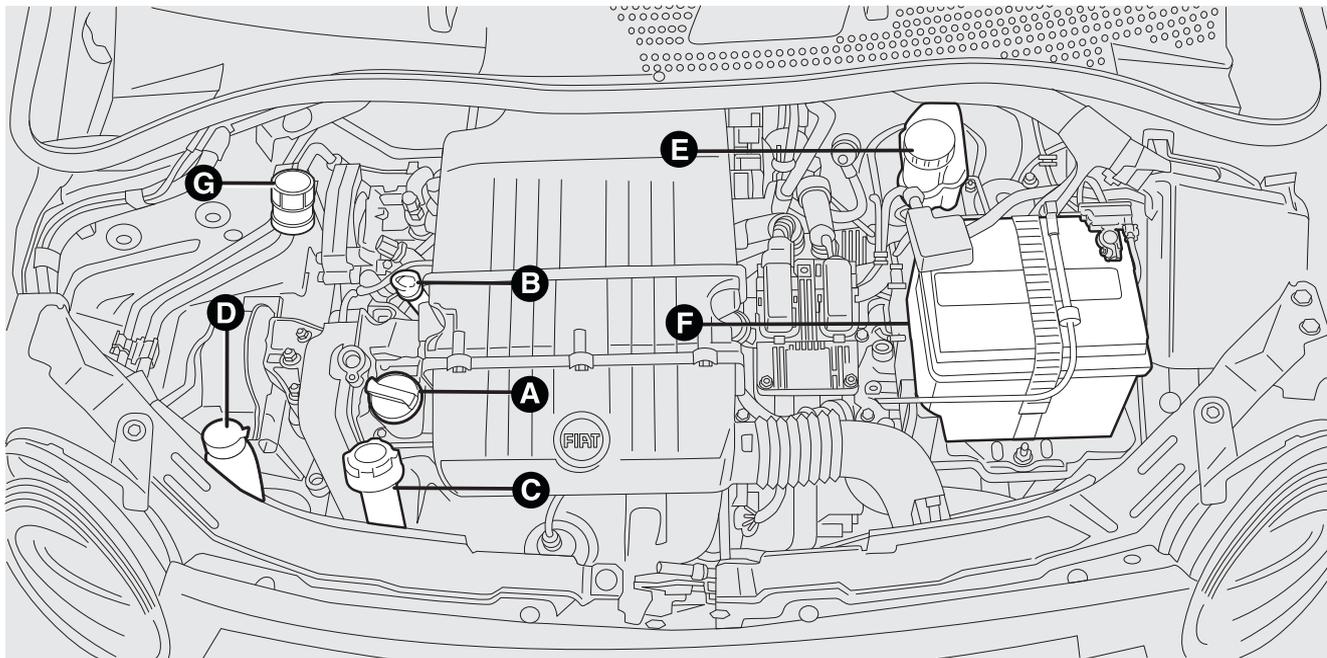
A. Speedometer (speed indicator) B. Rev counter (on the diesel versions, the odometer f.s.d is 6000 rpm)
C. Multifunctional display with digital fuel level indicator and digital indicator of engine coolant temperature.

F0S0405

CHECKING FLUID LEVELS

I.2 8V versions

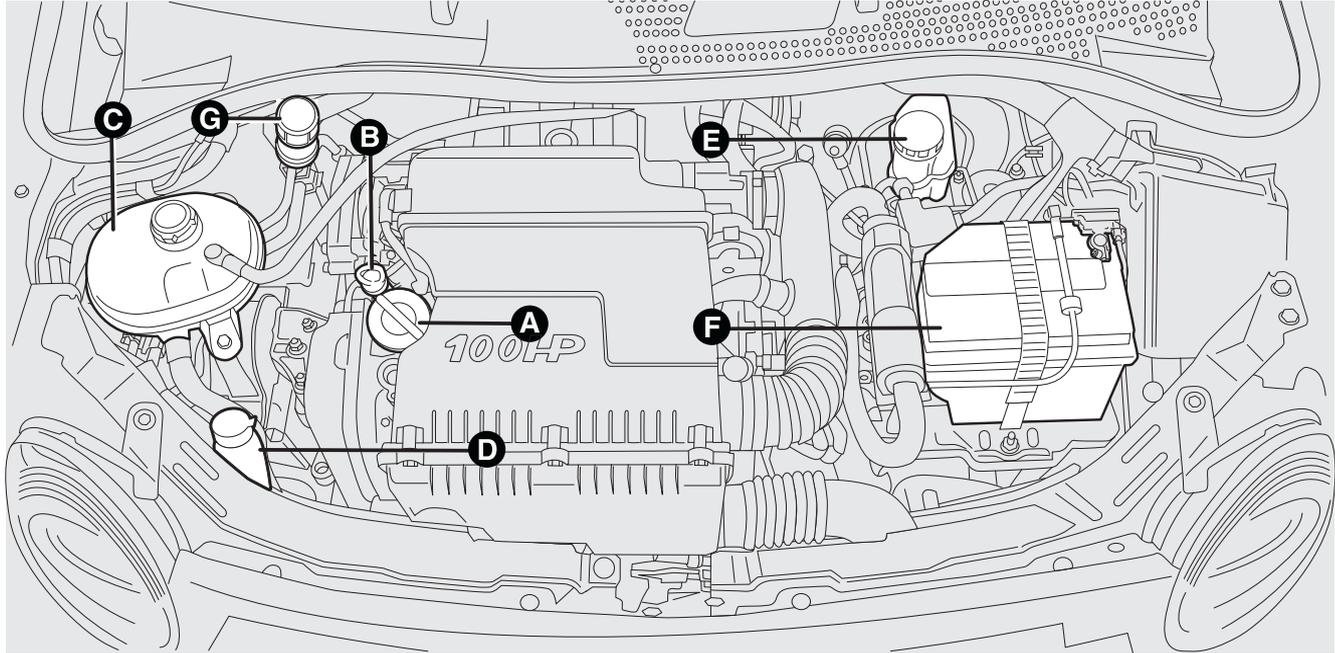
F0S0204



A. Engine oil filler B. Engine oil level dipstick C. Engine coolant fluid D. Windscreen washer fluid E. Brake fluid F. Battery
G. Clutch fluid

I.4 I6V (for versions / markets, where provided)

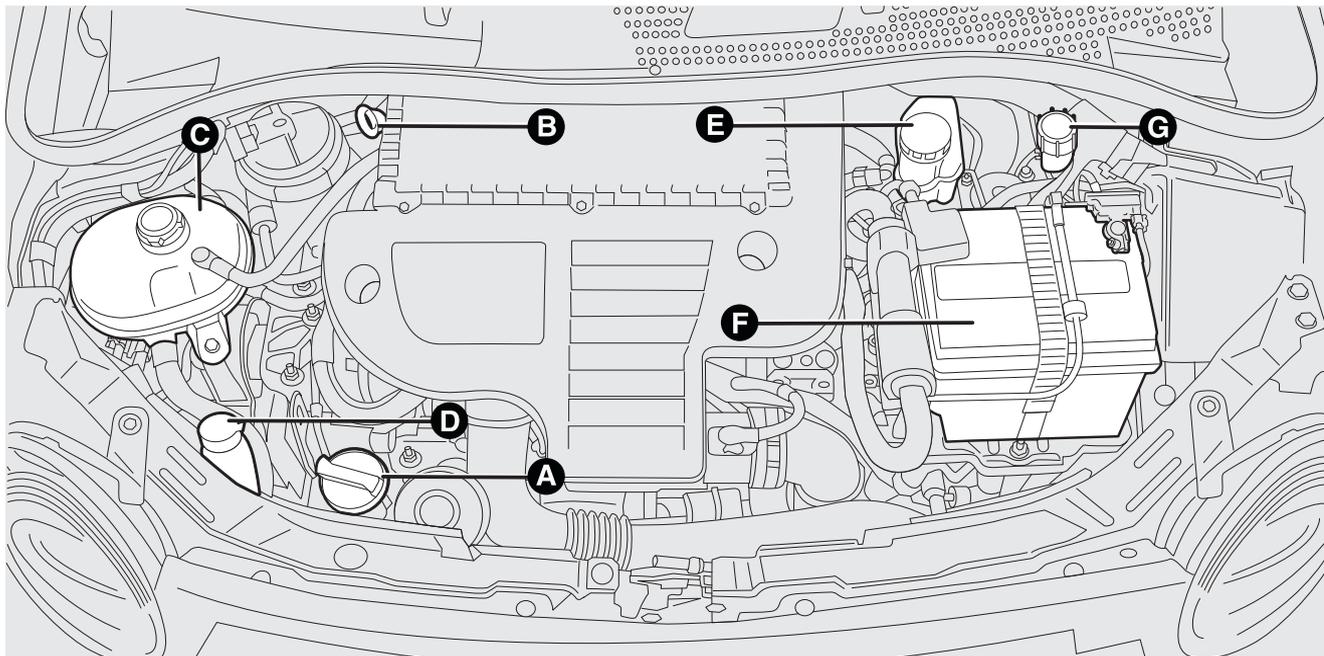
F0S0220



A. Engine oil filler B. Engine oil level dipstick C. Engine coolant fluid D. Windscreen washer fluid E. Brake fluid F. Battery
G. Clutch fluid

I.3 Multijet 75HP versions

F0S0205

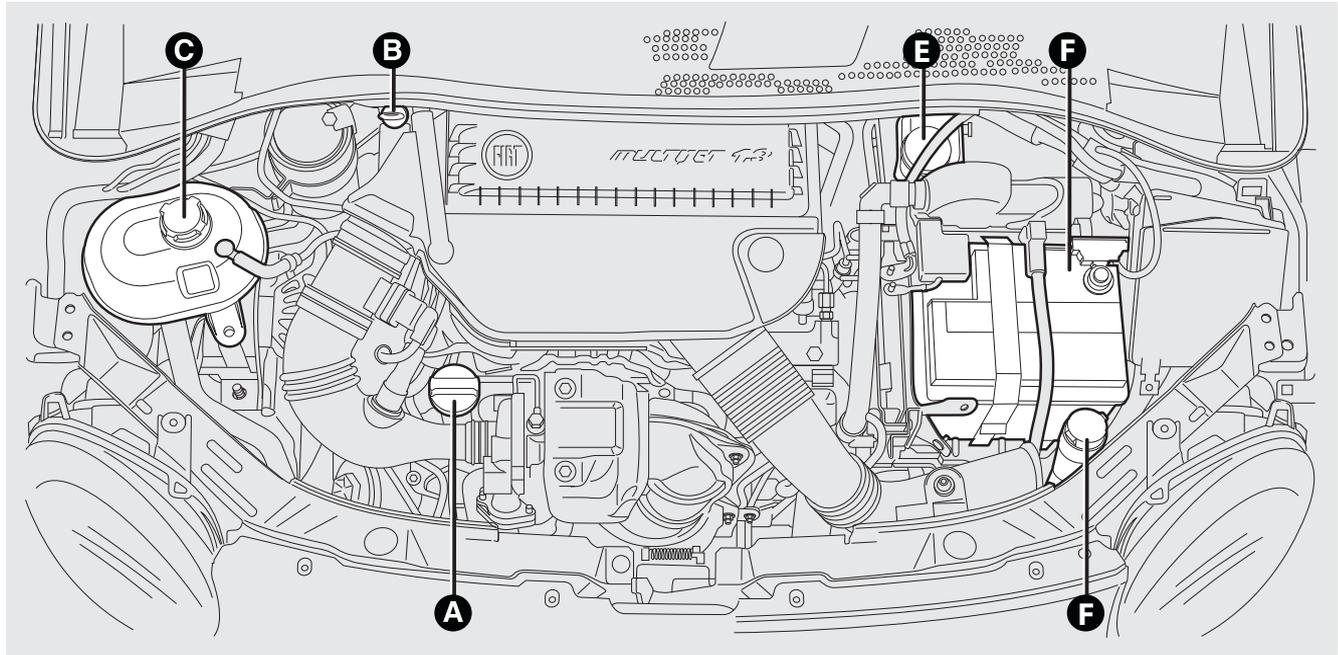


A. Engine oil filler B. Engine oil level dipstick C. Engine coolant fluid D. Windscreen washer fluid E. Brake fluid F. Battery G. Clutch fluid

I.3 Multijet 95HP versions

F0S0335

RIGHT HAND DRIVE VERSIONS



A. Engine oil filler B. Engine oil level dipstick C. Engine coolant fluid D. Windscreen washer fluid E. Brake fluid/Clutch fluid F. Battery

CAPACITIES

	Petrol version	Multijet version
Hydraulic brake circuit	0.55 kg	0.55 kg
Clutch hydraulic controls	0.100 litres	0.120 litres

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Fiat Group Automobiles S.p.A. - Parts & Services - Technical Services - Service Engineering
Largo Senatore G. Agnelli, 3 - 10040 Volvera - Turin (Italy)
Print no. 603.99.418 - 09/2013 - 1 Edition

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