

F I A T D U C A T O



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

WHY CHOOSING GENUINE PARTS

We really know your vehicle because we invented, designed and built it: we really know every single detail. At **Fiat Professional Service authorised workshops** you can find technicians directly trained by us, offering quality and professionalism for all service operations.

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

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

Always ask for Genuine Parts for the components used on our vehicles; 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 Professional for your vehicle.

SAFETY:
BRAKING SYSTEM

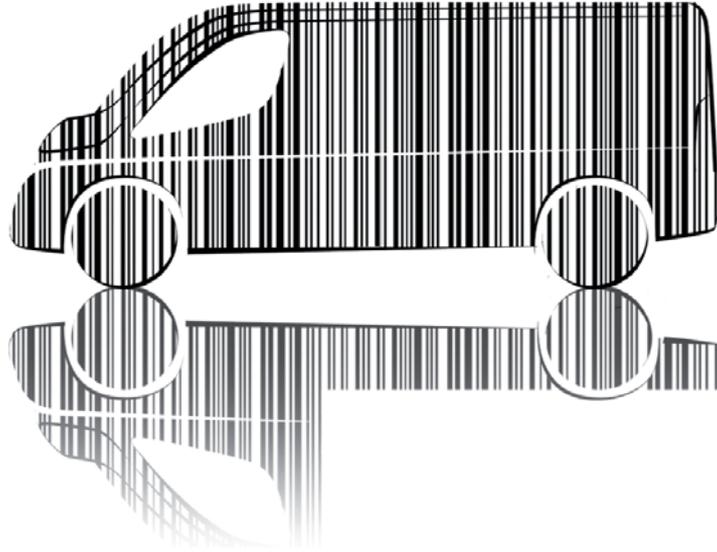
ENVIRONMENT: PARTICULATE FILTERS,
CLIMATE CONTROL SYSTEM MAINTENANCE

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**



PERFORMANCE



GENUINE PARTS

COMFORT



GENUINE PARTS

SAFETY



GENUINE PARTS

AMBIENT



GENUINE PARTS

ACCESSORIES



GENUINE PARTS

VALUES



GENUINE PARTS



HOW TO RECOGNISE GENUINE PARTS

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.

Dear customer,

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

We have written this handbook to help you get to know all the features of your vehicle 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 the use of your vehicle to help you get the most from the technical features of your Fiat Ducato.

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



personal safety;



vehicle integrity;



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 Ducato. 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



Only refuel with automotive diesel conforming to the European specification EN590. The use of other products or mixtures may damage the engine beyond repair and consequently invalidate the warranty, due to the damage caused.

STARTING THE ENGINE



Make sure that the handbrake is engaged; set the gear lever to neutral; fully depress the clutch without pressing the accelerator, then turn the ignition key to MAR-ON and wait for the warning lights  and  to switch off; turn the ignition key to AVV and release it as soon as the engine has started.

PARKING ON FLAMMABLE MATERIAL



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

RESPECTING THE ENVIRONMENT



The vehicle is fitted with a system that allows continuous diagnosis of the emission-related components in order to help protect the environment.

ELECTRICAL ACCESSORIES



If, after buying the vehicle, you decide to add electrical accessories (with the risk of gradually draining the battery), visit a Fiat Dealership. They can calculate the overall electrical requirement and check that the vehicle's electrical system can support the required load.

SCHEDULED SERVICING



Correct maintenance enables the vehicle to perfectly maintain performance and safety characteristics, its environmental friendliness and low running costs over time.

THE OWNER MANUAL CONTAINS...



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

KNOW YOUR VEHICLE

INSTRUMENT PANEL

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

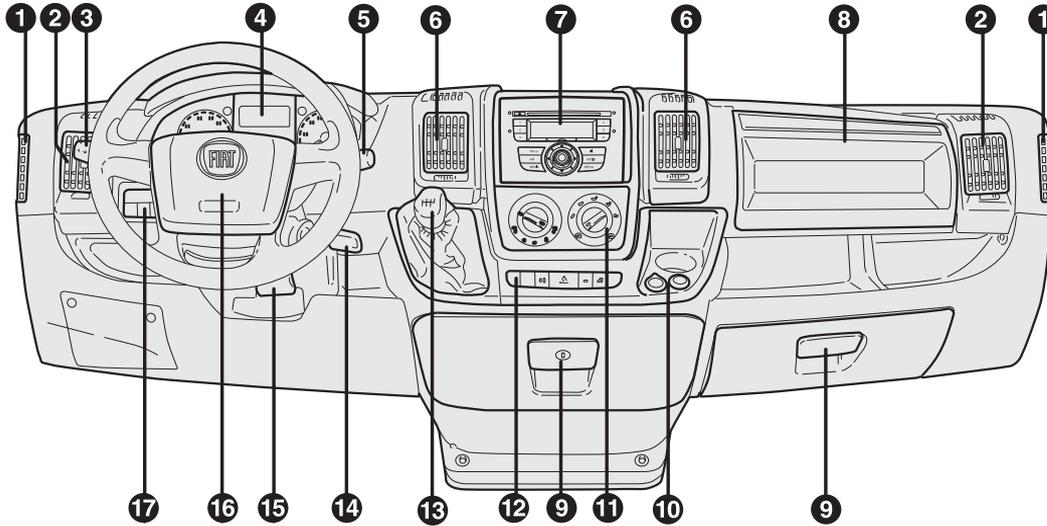


fig. 1

F0N0510M

1. Fixed side air vents – 2. Adjustable side air vents – 3. Left stalk: external light control – 4. Instrument panel and warning lights – 5. Right stalk: windscreen wiper, rear window wiper, trip computer controls – 6. Adjustable centre air vents – 7. Car radio (for versions/markets, where provided) – 8. Passenger side glove compartment/front air bag (for versions/markets, where provided) – 9. Glove compartment – 10. Cigar lighter/12 V socket – 11. Heating/ventilation/climate control system controls – 12. Controls in the dashboard – 13. Gear lever – 14. Ignition device – 15. Steering wheel adjustment lever – 16. Driver's front air bag/Horn – 17. Control plate: lamp/headlamp alignment adjustment/digital display/multifunction display.

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SYMBOLS

Special coloured labels have been attached near or on some of the components of your vehicle. These labels bear symbols that draw your attention to the precautions required when handling the component in question.

A plate summarising these symbols can be found under the bonnet fig. 2.

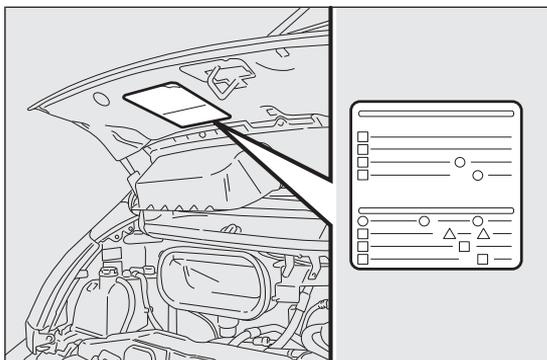


fig. 2

F0N0002

THE FIAT CODE SYSTEM

This is an electrical engine immobiliser system which increases protection against attempted theft of the vehicle. It is automatically activated when the ignition key is removed.

Each key contains an electronic device which modulates the signal emitted during ignition by an antenna built into the ignition device. The modulated signal, which changes each time the engine is started, is the “password”, by means of which the control unit recognises the key and enables to start the engine.

OPERATION

Each time the vehicle is started 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 inhibitor.

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

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

If the code has not been recognised correctly, the warning light  turns on accompanied by the related message on the display (see section “Warning lights and messages”).

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



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

THE KEYS

CODE CARD

The vehicle is delivered with two copies of the ignition key and with the CODE card fig. 3, which bears the following:

- A** the electronic code;
- B** the mechanical key code to be given to the Fiat Dealership when ordering duplicate keys.

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



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

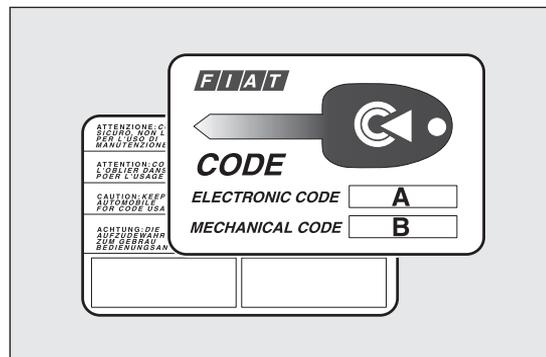


fig. 3

F0N0003

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KEY WITH REMOTE CONTROL

The metal insert A fig. 4 fig. 5 is retractable in the grip and it operates:

- the ignition switch;
- the door locks;
- opening and closing of the fuel tank cap.

To extract the metal insert, press button B fig. 4 fig. 5.

To refit it in the grip proceed as follows:

- hold down button B and turn the metal insert A;
- release button B and turn the metal insert A completely until the locking click is heard to ensure correct closure.

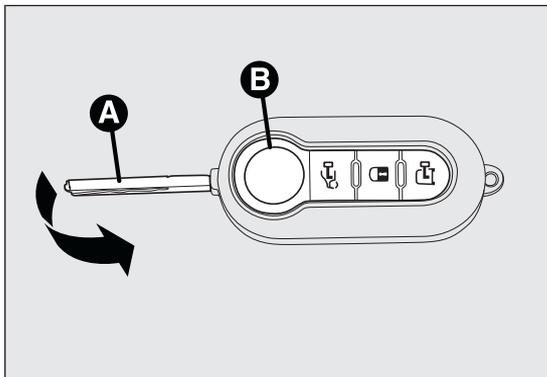


fig. 4

F0N0800

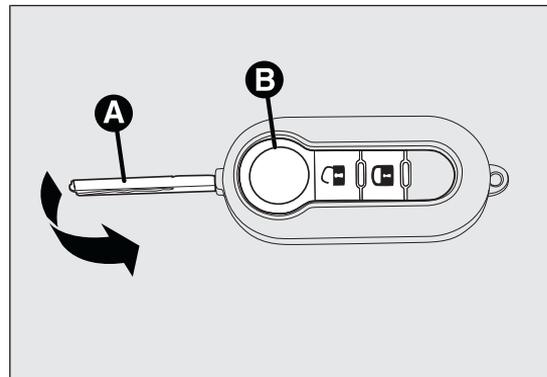


fig. 5

F0N0801



WARNING

Button B should only be pressed when the key is away from the body, in particular from the eyes and from objects that can be spoilt (e.g. clothes). Do not leave the key unattended to avoid the button being accidentally pressed while it is being handled, e.g. by a child.

Button  is used for unlocking the front doors.

Button  is used for locking all the doors.

Button  is used for unlocking the load compartment doors.

When unlocking the doors, the internal lights will come on for a preset time.

For some versions there is a key with remote control and 2 buttons  and  fig. 5.

Button  locks all the doors.

Button  unlocks all the doors.

Dashboard LED indications

When locking the doors, the LED A fig. 6 switches on for about 3 seconds and then starts flashing (deterrence function).

When the doors are locked, if one or more doors are not closed correctly, the LED and direction indicators start flashing quickly.

Request for additional remote controls

The system can recognise up to 8 keys with incorporated remote control.

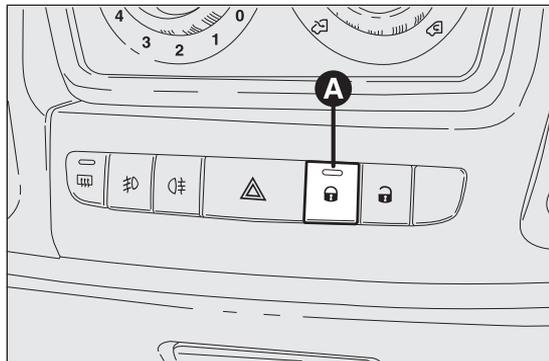


fig. 6

F0N0114

Should a new remote control be necessary, contact a Fiat Dealership and be ready to present the CODE card, a personal identity document and the vehicle ownership documents.

Changing battery - key with remote control fig. 7

To replace the remote control battery, proceed as follows:

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

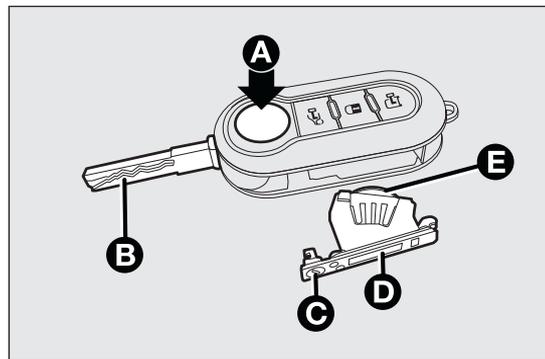


fig. 7

F0N0802



Used batteries are harmful to the environment. You can dispose of them either in the correct containers as specified by law or by taking them to a Fiat Dealership, which will deal with their disposal.

KEY WITHOUT REMOTE CONTROL

The metal insert A fig. 8 of the key is fixed.

The key operates:

- the ignition switch;
- the door locks;
- opening and closing of the fuel tank cap.

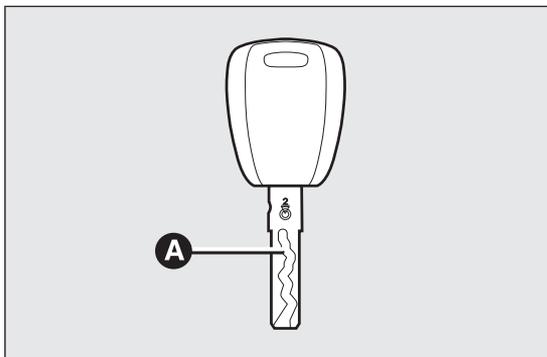


fig. 8

F0N0337

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

Type of key	Unlocking the doors	Locking the doors from the outside	Dead Lock activation (*)	Unlocking of load compartment lock	Lowering windows (*)	Raising windows (*)
Mechanical key/key with remote control	Turn key anticlockwise (driver's side)	Turn key clockwise (driver's side)	-	-	-	-
Key with remote control	Briefly press  / 	Briefly press 	Press  twice	Briefly press 	Hold down  (for more than 2 seconds)	Hold down  (for more than 2 seconds)
Direction indicators flashing (only with key with remote control)	2 flashes	1 flash	3 flashes	2 flashes	2 flashes	1 flash
Deterrent LED	Switching off	Switching on constantly for about 3 seconds, followed by deterrence LED flashing	Double flash, followed by deterrence flashing	Deterrence LED flashing	Switching off	Deterrence LED flashing

(*)For versions/markets, where provided.

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

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ELECTRONIC ALARM

(for versions/markets, where provided)

The alarm, in addition to all the remote control functions described previously, is controlled by the receiver located under the dashboard near the fuse box.

ALARM INTERVENTION

The alarm intervenes in the following cases:

- wrongful opening of a door or the bonnet (perimeter protection);
- when the ignition system is started up (ignition key rotated to MAR-ON);
- cutting of the battery leads.

Depending on the market, the activation of the alarm causes the activation of the siren and the direction indicators (for about 26 seconds). Alarm tripping and the number of cycles depend on the sales market.

There is a maximum number of acoustic/visual cycles. When this is reached the system returns to normal operation.

IMPORTANT The engine stop function is guaranteed by the Fiat CODE, which is automatically activated when the ignition key is extracted from the ignition switch.

TURNING THE ALARM ON

With the doors and bonnet closed and the ignition key either turned to STOP or removed, point the key with the remote control towards the vehicle and press and release the lock button.

Excluding some markets, the system produces an acoustic signal (beep) and enables door locking.

The switching on of the alarm is preceded by an self-diagnosis stage: if a fault is detected, the system produces another acoustic signal.

In this case, turn the alarm off by pressing the "release doors/release load compartment" button, check that the doors and bonnet are properly closed and turn the alarm back on by pressing the lock button.

If a door or the bonnet is not properly shut, it will be excluded from the check by the alarm system.

If the alarm produces an acoustic signal even when the doors and bonnet are correctly closed, a fault has occurred in the operation of the system. Contact a Fiat Dealership.

IMPORTANT The alarm does not come on when the central locking is activated using the metal insert in the key.

IMPORTANT The alarm is adapted to meet requirements in various countries.

TURNING THE ALARM OFF

Press the “door release/load compartment release” button on the key with remote control.

The following operations are performed (excluding some markets):

- the direction indicators flash briefly twice;
- there are two short acoustic signals (beeps);
- unlocking of the doors.

IMPORTANT The alarm does not switch off when the central opening is activated using the metal insert in the key.

BREAK IN ATTEMPT INDICATION

Any break in attempt is indicated by the turning on of warning light Y on the instrument panel together with the message on the multifunction display (where provided), (see section “Warning lights and messages”).

DISABLING THE ALARM

To permanently disable the alarm (e.g. during a lengthy period of idleness), simply lock the vehicle by turning the metal insert of the key with remote control in the lock.

IMPORTANT If the batteries of the key with the remote control run out or the system fails, the alarm can be switched off by placing the key in the ignition switch and turning it to MAR-ON.

IGNITION DEVICE

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

- STOP:** engine off, key extractable, steering 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 starting (unstable position).

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



WARNING

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

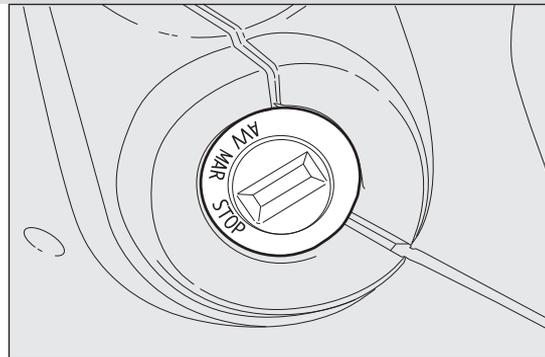


fig. 9

F0N007

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**WARNING**

Always remove the key when you leave your vehicle to prevent someone from accidentally operating the controls. Remember to engage the handbrake. Engage first gear if the vehicle is parked uphill or reverse gear if the vehicle is parked downhill. Never leave children unattended in the vehicle.

**WARNING**

Never extract the key while the vehicle is moving. The steering wheel will lock as soon as it is turned. This also applies to cases in which the vehicle is towed.

**WARNING**

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

STEERING LOCK**Engagement**

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

Disengagement

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

INSTRUMENT PANEL

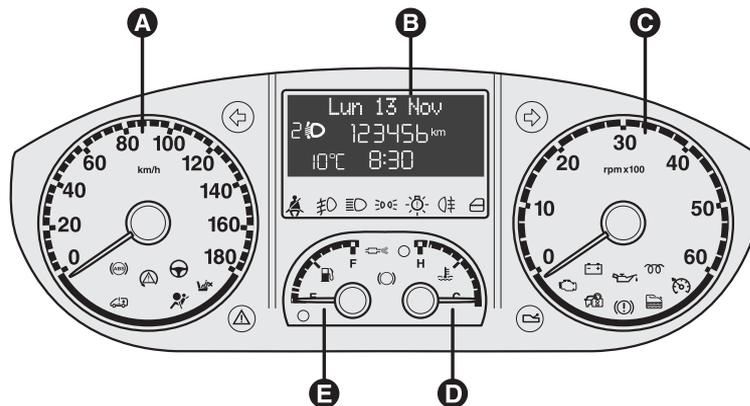


fig. 10

F0N0518

A. Speedometer (speed indicator) B. Multifunction display C. Rev counter D. Engine coolant temperature gauge with overheating warning light E. Fuel level gauge with reserve warning light

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ON BOARD INSTRUMENTS

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

SPEEDOMETER (speed indicator)

This shows the speed of the vehicle fig. 11.

REV COUNTER

The rev counter fig. 12 shows the number of engine revolutions per minute.

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

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

This is normal and does not indicate a fault. It may be caused, for example, by the operation of the climate control system or the fan. In these cases, a slow change in revs is used to protect the battery charge.

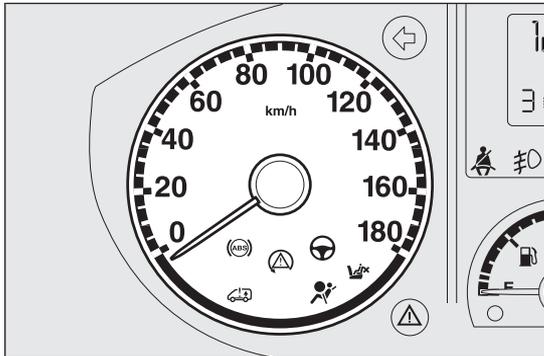


fig. 11

F0N0332

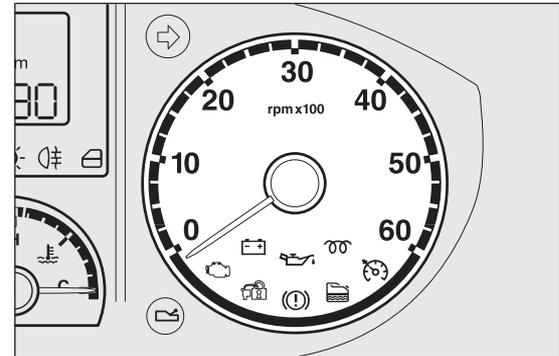


fig. 12

F0N0013

FUEL LEVEL GAUGE

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

E - tank empty.

F - tank full (see the description in paragraph "Vehicle refuelling" in this chapter).

The warning light A fig. 13 switching on indicates that there are about 10-12 litres of fuel (for versions with tank capacity 90-120 l) or 10 l (for versions with tank capacity 60 l) remaining in the tank.

Do not travel with the tank nearly empty to prevent damaging the catalytic converter.

IMPORTANT The needle will point to E and warning light A will flash to indicate a fault in the system. If this is the case, go to a Fiat Dealership to have the system checked.

IMPORTANT It is not advisable to activate the additional Webasto heater in reserve conditions.

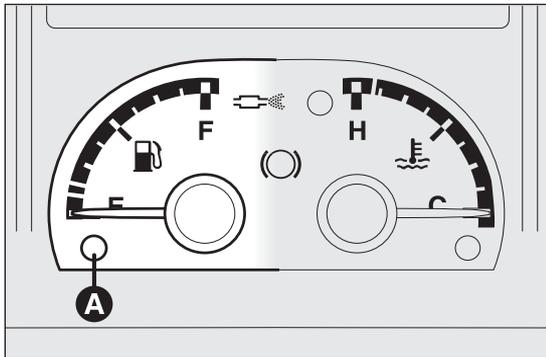


fig. 13

F0N0014

ENGINE COOLANT TEMPERATURE GAUGE

The needle shows the temperature of the engine coolant and starts supplying indications when the fluid temperature exceeds approx. 50°C. In normal use, the needle could assume different positions within the scale, depending on the usage conditions.

C - Low engine coolant temperature.

H - High engine coolant temperature.

The warning light B fig. 14 may switch on (with a message on the display for some versions) to indicate that the coolant temperature is too high; in this case, stop the engine and contact a Fiat Dealership.



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

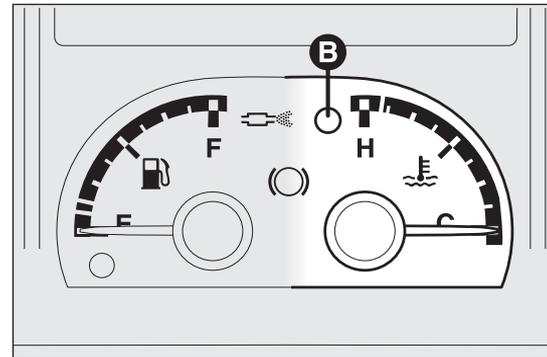


fig. 14

F0N0015

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ENGINE OIL LEVEL GAUGE

(for versions/markets, where provided)

The gauge fig. 15 provides a graphic indication of the level of oil in the engine.

When the ignition key is turned to MAR-ON, the top line of the display shows the oil level by lighting up / switching off five symbols.

The gradual switching off of the symbols indicates a decreasing oil level.

Four or five symbols light up to indicate a sufficient level of oil in the sump. If the fifth symbol is not lit, this does not indicate a fault or that insufficient oil is present in the sump.

If the oil level is lower than the minimum required value, the display shows a dedicated message indicating minimum engine oil level and the need for a top-up.



fig. 15

F0N1021

IMPORTANT To find out the correct oil quantity, always check using the dipstick (see paragraph “Checking levels” in the section “Maintenance and care”).

After a few seconds, the symbol display indicating the amount of engine oil disappears and:

- When the next scheduled servicing intervention is approaching, the time to the next service is displayed and the warning light ø lights up on the display. When the service date is reached, the display shows a dedicated message;
- Later on, if the time for changing the engine oil is getting close, the distance until the next oil change will appear on the display. When the service interval has expired, a dedicated warning will be shown on the display.

MULTIFUNCTION DISPLAY

(for versions/markets, where provided)

The multifunction display is able to display information that is useful and necessary during when driving.

"STANDARD" SCREEN

The standard screen can display the following information fig. 16:

- A** Date
- B** Milometer (distance covered in km or miles).
- C** Time.
- D** Outside temperature
- E** Headlamp alignment position (only with dipped headlamps on).

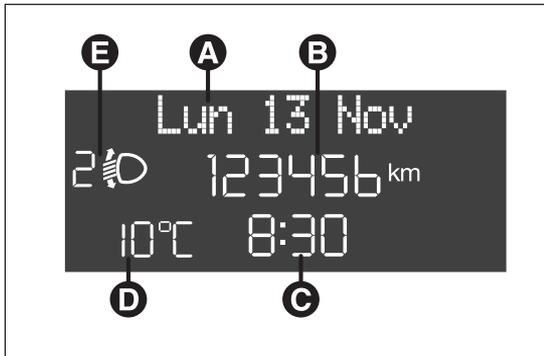


fig. 16

F0N0519

Note When one of the front doors is opened, the display is activated, showing the time and mileage for a few seconds.

CONTROL BUTTONS

- ▲ To scroll up through the screen and the related options or to increase the displayed value.

MODE

Press briefly to access the menu and/or go to next screen or confirm the desired menu selection.

Hold down to go back to the standard screen.

- ▼ To scroll down through the screen and the related options or to decrease the displayed value.

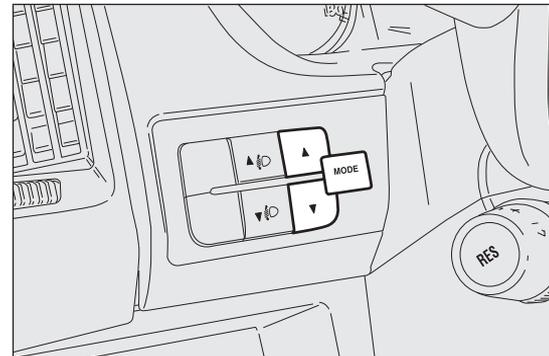


fig. 17

F0N0017

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Note The ▲ and ▼ buttons activate different functions according to the following situations:

Adjusting the vehicle interior lighting

- with the side lights on and standard screen active, it is possible to adjust the brightness inside the vehicle.

Setup menu

- scrolling up or down within the menu;
- increasing or decreasing during setting operations.

SETUP MENU

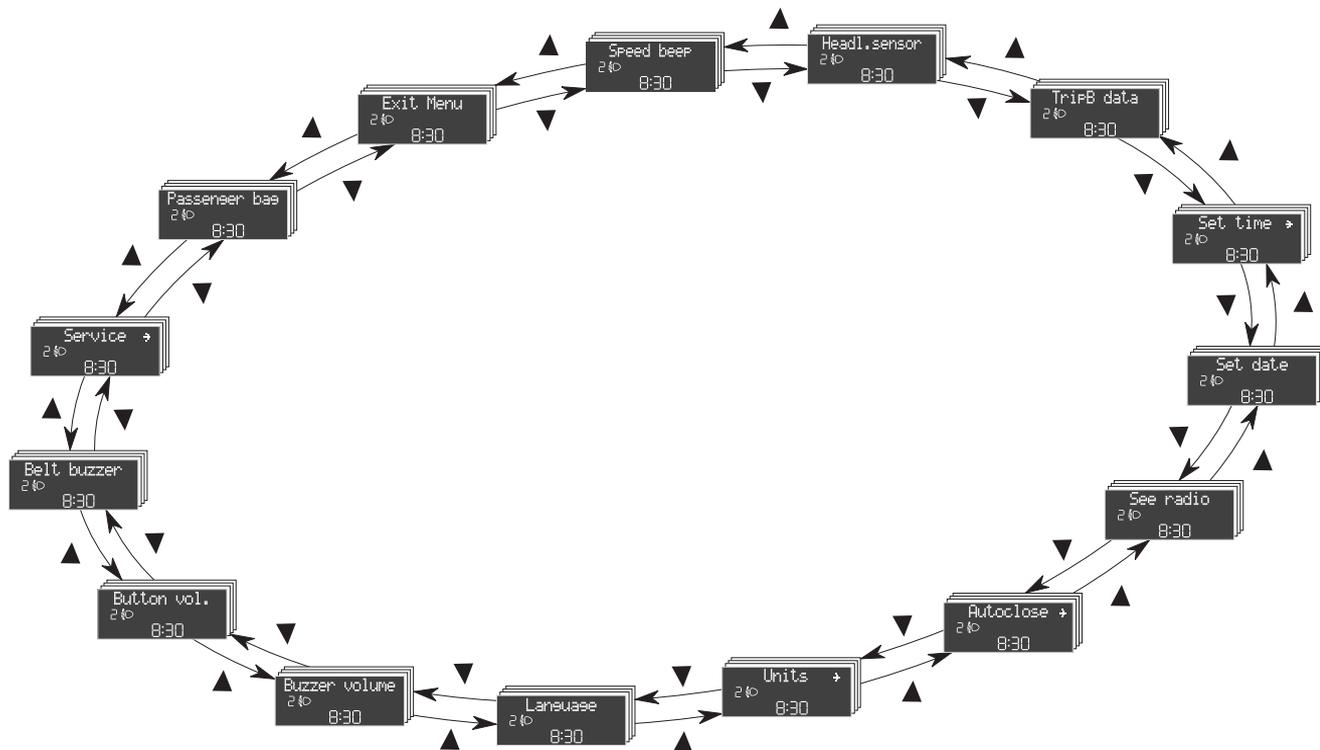


fig. 18

F0N1020

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Setup menu functions

The menu fig. 18 comprises a series of functions arranged in a cycle which can be selected through the ▲ and ▼ buttons to access the different selection operations and settings (setup) given in the following paragraphs. A submenu is provided for some items (Setting the clock and Set units).

The setup menu can be activated by pressing the MODE button briefly.

Single presses of the ▲ or ▼ buttons permit navigation through the setup menu options.

Operating modes differ here according to the characteristics of the option selected.

Selecting an option from the main menu without submenu:

- by briefly pressing the MODE button you can select the main menu setting that you wish to modify;
- by pressing the ▲ or ▼ buttons (with single presses) you can choose the new setting;
- by briefly pressing the MODE button you can store the setting and then return to the same main menu option that was first selected.

Selecting an option from the main menu with submenu:

- briefly press the MODE button to display the first submenu option;
- press the ▲ or ▼ buttons (with a single press) to scroll through all submenu options;

- briefly press the MODE button to select the displayed submenu option and to open the relevant settings menu;

- press the ▲ or ▼ buttons (with a single press) to choose the new setting for this submenu option;

- briefly press the MODE button to store the setting and return to the previously selected submenu option.

Selecting "Date" and "Set Clock":

- briefly press the MODE button to select the first value to be changed (e.g. hours / minutes or year / month / day);

- press the ▲ or ▼ buttons (with a single press) to select the new setting;

- briefly press the MODE button to store the new setting and go to the next settings menu option. If this is the last one, the system brings you back to the previously selected menu option.

Hold down the MODE button:

- to exit the set-up menu if you are in the main menu;

- to exit to the main menu if you are in another point of the menu (e.g. at submenu option setting level, at submenu level or at main menu option setting level);

- to save only the changes stored by the user (and confirmed by pressing the MODE button).

The setup menu environment is timed; when the menu is exited due to expiry of the time allowed, only the changes already stored by the user (confirmed beforehand by a brief press of the MODE button) will be saved.

From the standard screen, briefly press button MODE to start navigation.

Press the ▲ or ▼ buttons to navigate within the menu.

Note Only the reduced menu can be accessed while the vehicle is moving for safety reasons ("Speed Beep" setting). Stop the vehicle to access the full menu.

Speed limit (Speed Beep)

This function can be used to set a vehicle speed limit (km/h or mph). The driver is alerted when this limit is exceeded (see "Warning lights and messages").

To set the desired speed limit, proceed as follows:

- briefly press the MODE button: the display will show the wording (Speed Beep);
- press the ▲ or ▼ button to select speed limit activation (On) or deactivation (Off);
- if the function has been activated (On), press the ▲ or ▼ buttons to select the desired speed limit and then press MODE 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 "Setting the unit of measurement (Measurement unit)" paragraph described below. The setting will increase/decrease by 5 units each time button ▲/▼ is pressed. Hold down the ▲/▼ button to automatically increase/decrease the setting rapidly. Complete the adjustment with single presses of the button when you approach the desired value.

- press the MODE 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 MODE button briefly to make the display flash (On);
- press the ▼ button: (Off) will flash on the display;
- briefly press the MODE button to go back to the menu screen or hold the button down to go back to the standard screen without saving.

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

This function allows you to adjust the headlight sensor sensitivity to 3 levels.

To set the desired sensitivity level, proceed as follows:

- briefly press the MODE button: the previously set sensitivity "level" starts to flash on the display;
- press the ▲ or ▼ button to adjust;

– press the MODE button briefly to return to the menu screen or hold the button down to return to the standard screen without storing.

Trip B activation (TripB data)

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

For further information see the "Trip computer" paragraph.

To activate / deactivate, proceed as follows:

- briefly press the MODE button: ON or OFF flashes on the display (depending the previous setting);
- press the ▲ or ▼ button to select;
- press the MODE button briefly to return to the menu screen or hold the button down to return to the standard screen without storing.

Setting the clock (Set time)

This function allows you to set the clock through two submenus: "Time" and "Format".

To adjust, proceed as follows:

- briefly press the MODE button and two submenus, "Time" and "Format", will be displayed;
- press the ▲ or ▼ button to switch between the two submenus;
- once you have selected the submenu to be changed, press the button MODE briefly;

- if you enter the "Time" submenu, pressing the MODE button briefly makes the "hours" flash on the display;

- press the ▲ or ▼ button to adjust;
- briefly press the MODE button: the "minutes" starts to flash on the display;
- press the ▲ or ▼ button to adjust;
- if you enter the "Format" submenu, pressing the MODE button briefly makes the display format flash on the display;
- press the ▲ or ▼ button to select "24h" or "12h" mode.

When you have made the adjustment, briefly press the MODE button to go back to the submenu screen or hold the button down to go back to the main menu screen without storing.

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

Setting the date (Set date)

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

To update, proceed as follows:

- briefly press the MODE button: the day starts flashing on the display (dd);
- press the ▲ or ▼ button to adjust;
- briefly press the MODE button: the month starts flashing on the display (mm);

- press the ▲ or ▼ button to adjust;
- briefly press the MODE button: the year starts flashing on the display (yyyy);
- press the ▲ or ▼ button to adjust.

Note The setting will increase or decrease by one unit each time the ▲ or ▼ button is pressed. Holding the button down causes an automatic rapid increase/decrease. Complete the adjustment with single presses of the button when you approach the desired value.

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

Audio information display (See radio)

With this function, the display shows information about the radio.

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

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

- briefly press the MODE button: ON or OFF flashes on the display (depending the previous setting);
- press the ▲ or ▼ button to select;
- press the MODE button briefly to return to the menu screen or hold the button down to return to the standard screen without storing.

Automatic central locking with vehicle moving (Autoclose)

After activation (On), this function allows the automatic locking of the doors when the speed exceeds 20 km/h.

To activate (On) or deactivate (Off) this function, proceed as follows:

- briefly press the MODE button to display a submenu;
- briefly press the MODE button: ON or OFF flashes on the display (depending the previous setting);
- press the ▲ or ▼ button to select;
- press the MODE button briefly to return to the submenu screen or hold the button down to return to the main menu screen without storing;
- hold down the MODE button again to return to the standard screen or to the main menu according to where you are in the menu.

Setting the unit of measurement (Measurement unit)

With this function it is possible to set the unit of measurement using three submenus: "Distance", "Consumption" and "Temperature".

To set the unit of measurement, proceed as follows:

- briefly press the MODE button to display the three submenus;
- press the ▲ or ▼ button to navigate through the three submenus;

- once you have selected the submenu to be changed, press the button MODE briefly;

- if you enter the "Distances" submenu, pressing the MODE button briefly makes the display show "km" or "mi" (depending on the previous setting);

- press the ▲ or ▼ button to select;

- if you enter the "Consumption" submenu, pressing the MODE button briefly makes "km/l", "l/100km" or "mpg" appear on the display (depending on the previous setting);

If the set distance unit is "km", the display enables setting of the fuel consumption unit (km/l or l/100 km).

If the set distance unit is "mi", the display shows the amount of fuel consumed in "mpg".

- press the ▲ or ▼ button to select;

- if you enter the "Temperature" submenu, pressing the MODE button makes "°C" or "°F" appear on the display (depending on the previous setting);

- press the ▲ or ▼ button to select;

When you have made the adjustment, briefly press the MODE button to go back to the submenu screen or hold the button down to go back to the main menu screen without storing.

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

Language selection (language)

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

To set the desired language, proceed as follows:

- briefly press the MODE button: the previously set "language" starts flashing on the display;

- press the ▲ or ▼ button to select;

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

Adjusting the alert/warning acoustic signal volume (Warning volume)

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

To set the desired volume, proceed as follows:

- briefly press the MODE button: the previously set volume "level" will flash on the display;

- press the ▲ or ▼ button to adjust;

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

Adjusting button volume (Button Vol.)

This function allows the volume of the acoustic signal that accompanies MODE, ▲ and ▼ button presses to 8 levels.

To set the desired volume, proceed as follows:

- briefly press the MODE button: the previously set volume "level" will flash on the display;
- press the ▲ or ▼ button to adjust;
- press the MODE button briefly to return to the menu screen or hold the button down to return to the standard screen without storing.

SBR buzzer reactivation (Belt Buzzer)

This function can be displayed only 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 information, proceed as follows:

- briefly press the MODE button: the display shows when servicing is due in km or mi according to the previous setting (see paragraph "Units of measurement");
- press the MODE button briefly to return to the menu screen or hold the button down to return to the standard screen.

Oil change

This function displays information regarding the remaining mileage before the next oil change.

To consult this information, proceed as follows:

- briefly press the MODE button; the display shows the estimated mileage before the next oil change (depending on the driving mode);
- press the MODE button briefly to return to the menu screen or hold the button 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 mi). This indication will appear automatically, with the key at MAR-ON, starting from 2,000 km (or 1,240 mi) and will be displayed every 200 km (or 124 mi). Oil change notification messages are displayed in the same way. Use the ▲ and ▼ buttons to alternate between displaying scheduled servicing and engine oil change information. Below 200 km servicing indications are more frequent. The display will be in km or mi depending on the measurement unit settings. When the next scheduled service is approaching, the word "Service" will appear on the display, followed by the number of kilometres or miles left, when the key is turned to MAR-ON. Contact a Fiat Dealership, where the operations in the ""Scheduled servicing plan" will be performed and the message will be reset.

Note When an oil change is nearly due and the ignition key is turned to MAR-ON, the display will show a dedicated message. Engine performance will decrease if driving is continued in these conditions. When the change is due, the dedicated message will reappear on the display together with the activation of both the  and  warning lights. Contact a Fiat Dealership.

Activating/deactivating front passenger side air bags and side bags for chest protection (Passenger air bag)
(for versions/markets, where provided)

This function is used to activate/deactivate the front passenger side air bag.

Proceed as follows fig. 19:

- press the MODE button and, after the message "Bag pass: Off" (to deactivate) or "Bag pass: On" (to activate) is displayed by pressing the ▲ and ▼ buttons, press the MODE button again;
- the confirmation request message will appear on the display;
- by pressing the ▲ or ▼ buttons, select (Yes) (to confirm activation/deactivation) or (No) (to cancel);
- press the MODE button briefly and a message confirming the selection will be displayed, then you will return to the menu screen, or hold the button down to return to the standard screen with storing.

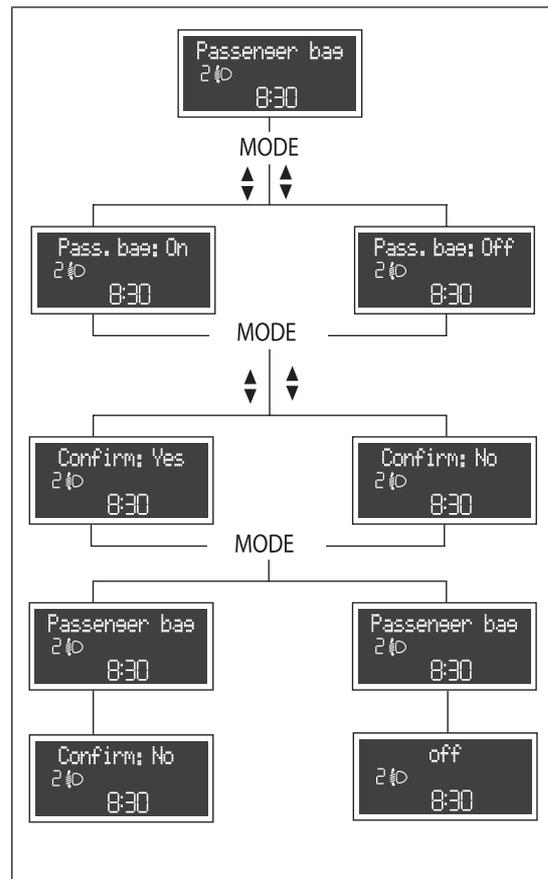


fig. 19

Exit menu

The last function, which closes the cycle of settings listed in the menu screen.

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

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

TRIP COMPUTER

General information

The Trip computer is used to display information on vehicle operation when the ignition key is turned to MAR-ON. This function allows you to define two separate trips, called "Trip A" and "Trip B", for monitoring the "complete mission" (journey) of the vehicle 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:

- Outside temperature
- Range
- Distance covered
- Average consumption
- Instantaneous consumption
- Average speed
- Trip time (driving time).

"Trip B", available on multifunction display only, is used to display the values relating to:

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

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

Values displayed

External temperature

Indicates the temperature outside the vehicle passenger compartment.

Range (for versions/markets where provided)

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)
- vehicle is left parked with the engine running for a long time.

IMPORTANT The range can be affected by several factors: driving style (see “Driving style” in the “Starting and driving” section), 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 covered

Shows the distance covered since the start of the new journey.

Average consumption (for versions/markets, where provided)

Shows the approximate average fuel consumption since the start of the new journey.

Instantaneous consumption (for versions/markets, where provided)

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

Trip time

Shows the time elapsed since the start of a new journey.

IMPORTANT If there is no information, the Trip computer displays “----” in place of the value. When normal operating conditions are restored, the counting of the various values is resumed, without either zeroing the values displayed prior to the problem, or starting a new mission.

TRIP control button

The TRIP button, located on the top of the right stalk fig. 20, is used (with ignition key at MAR-ON) to display these values and reset them to start a new mission:

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

New mission

This begins after a reset:

- “manual” resetting by the user, by pressing the relevant button;

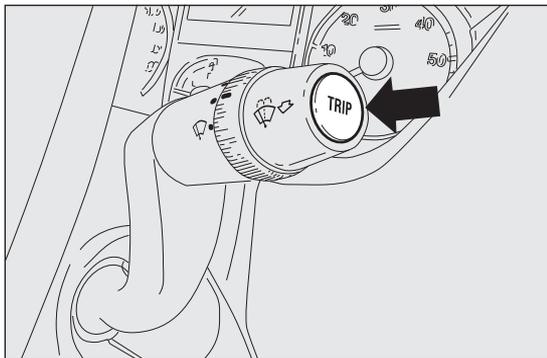


fig. 20

F0N0019

- “automatic” resetting, when the distance travelled reaches 3,999.9 km or 9,999.9 km (depending on the type of display) or when the travel time reaches 99.59 (99 hours and 59 minutes);
- after disconnection/reconnection of the battery.

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

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

Start of journey procedure

With ignition key at MAR-ON, press and hold the TRIP button for more than 2 seconds to reset.

Exit Trip

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

SEATS



WARNING

All adjustments must be made with the vehicle stationary.



The fabric upholstery of your vehicle is designed to withstand the normal wear and tear of your vehicle for a long time.

You are however recommended to avoid strong and/or continuous scratching with clothing accessories such as metal buckles, studs, Velcro fastenings and the like, as these items cause stress of the cover fabric that could lead threads to break and damage the upholstery.

Lengthwise adjustment

Lift the lever A fig. 21 and push the seat forwards or backwards: in driving position your arms should rest on the rim of the steering wheel.



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. If it is not locked, the seat may move unexpectedly and make you lose control of the vehicle.

Height adjustment

To raise the seat: whilst sitting, move lever B fig. 21 upwards (front part of the seat) or lever C fig. 21 (rear part of the seat) and shift your body weight away from the part of the seat to be raised.

To lower the seat: whilst sitting, move the lever B (front part of the seat) or the lever C (rear part of the seat) upwards and position your body weight on the part of the seat to be lowered.

Backrest angle adjustment

Turn knob D fig. 21.



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.

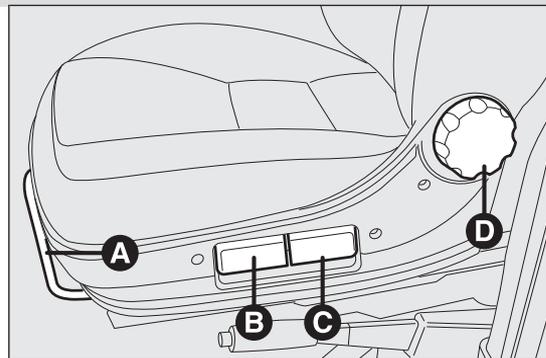


fig. 21

F0N0118

Lumbar adjustment

To adjust, operate knob E fig. 22.

SPRUNG SEAT

The seat is equipped with a mechanical spring system and hydraulic shock absorber to ensure maximum comfort and safety. The system of springs also effectively absorbs impact from uneven road surfaces.

See the description in the "Seats" section for the lengthwise adjustments, height adjustments, backrest adjustment, lumbar adjustment and armrest adjustment.

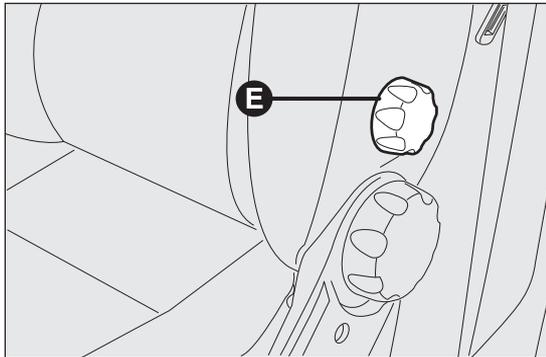


fig. 22

F0N0147

Damper weight adjustment

Use adjustment knob A fig. 23 to set the required setting based on body weight, with settings between 40 kg and 130 kg.

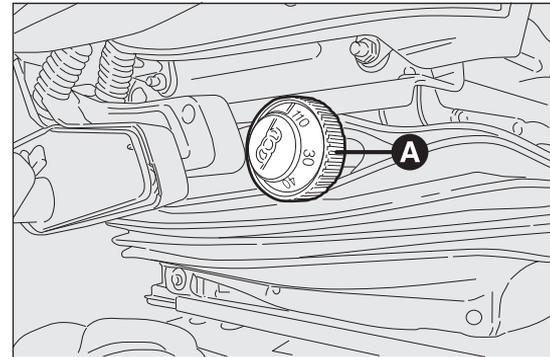


fig. 23

F0N0139

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SEATS WITH ADJUSTABLE ARMRESTS

The driver's seat may be equipped with an armrest that can be raised and is height adjustable. To adjust, use wheel A fig. 24.



WARNING

Before putting on the front seat belts, make sure that the armrests are in vertical position (see "Seat belts" paragraph).



WARNING

Before unfastening the belts and getting out of the vehicle, ensure that the outer armrest (door side) is fully raised.

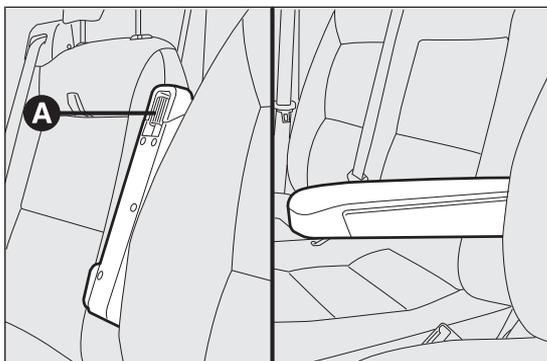


fig. 24

F0N0148

SEAT WITH REVOLVING BASE

(for versions/markets, where provided)

It may be turned through 180° toward the seat on the opposite side. Use the control A fig. 25 to rotate the seat. Before turning, move the seat forward and only then carry out the lengthwise adjustment fig. 26.

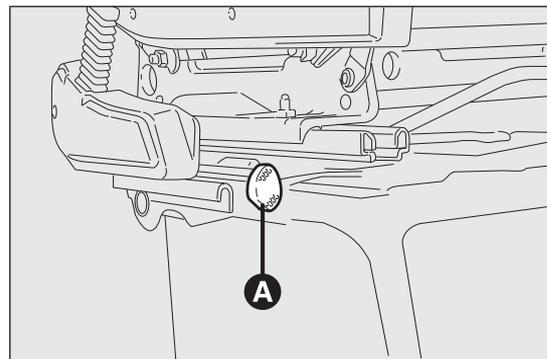


fig. 25

F0N0187

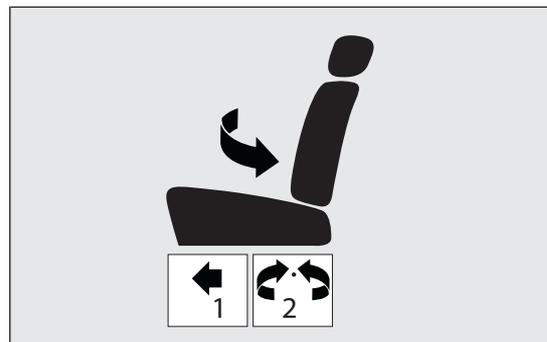


fig. 26

F0N0700

REVOLVING SEAT WITH SEAT BELT

(for versions/markets, where provided)

It is equipped with a seat belt with three anchoring points fig. 27, two adjustable armrests (for the adjustment, see "Seats with adjustable armrests" paragraph) and height-adjustable head restraints (for the adjustment, see "Head restraints" paragraph).



WARNING

All adjustments must be made with the vehicle stationary. In particular, while turning the seat, take care that it does not interfere with the handbrake lever.

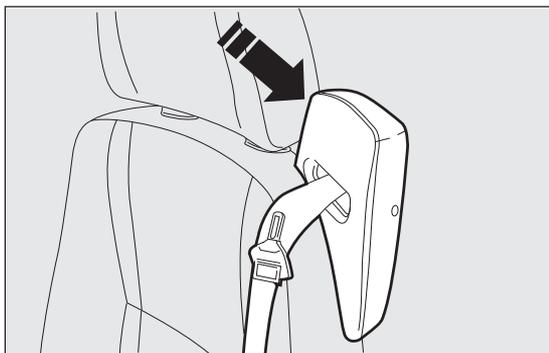


fig. 27

F0N0173

Backrest angle adjustment

Operate lever A fig. 28.

Height adjustment

Operate controls B fig. 28 or C fig. 28 respectively to raise/lower the front/rear part of the seat.

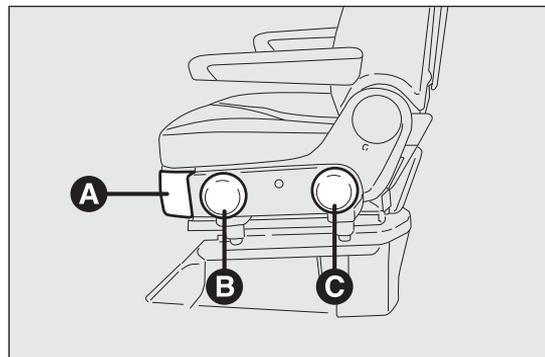


fig. 28

F0N0174

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Seat rotation

It may be turned through 180° toward the seat on the opposite side and approximately 35° toward the door. It may be locked in driving position or at 180°.

Use the lever D fig. 29 (on the right side of the seat) to turn the seat.

Before turning, move the seat forward and only then carry out the lengthwise adjustment fig. 26.



WARNING

Ensure that the seat is locked in driving position before starting the vehicle.

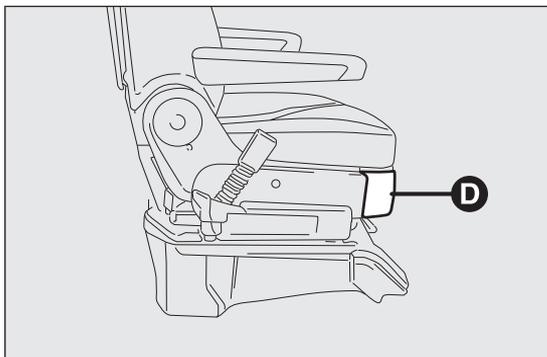


fig. 29

F0N0175

Heated seats

(for versions/markets where provided)

With the key turned to MAR-ON, press button E fig. 30 to switch the function on/off.

FLAP ON BENCH

(for versions/markets, where provided)

The seat is equipped with a fold-down flap that can be used as a document support surface. To use, the pull tab A fig. 31 and lower the flap. The flap is equipped with two cup holders and a support surface with a paper holder clip.

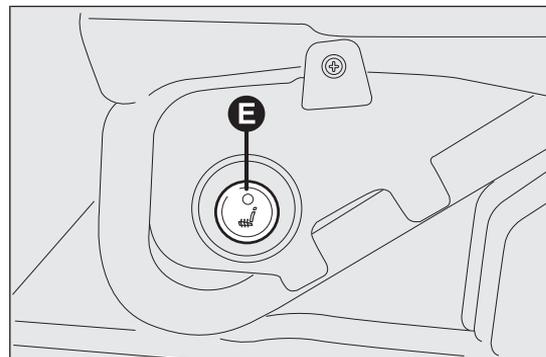


fig. 30

F0N0213



WARNING

Do not place heavy loads on the flap with the vehicle in motion because they could be thrown against the vehicle occupants in the event of sudden braking or impacts, causing severe injury.

TRAY UNDER SEAT

(for versions/markets, where provided)

A tray A fig. 32 is present under the seat that can be easily removed by withdrawing the hooks on the support base.

SEAT BASE PLASTIC COVERS

(for versions/markets, where provided)

The front cover A fig. 33 can be opened by operating the release handle B fig. 33 on the upper part.

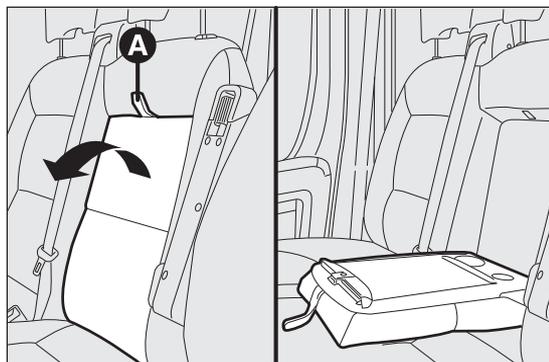


fig. 31

F0N0149

This gives access to the tray under the seat (see "Tray under seat" paragraph).

To make it easier to open the front cover and gain access to the compartment, the seat must be as far back as possible.

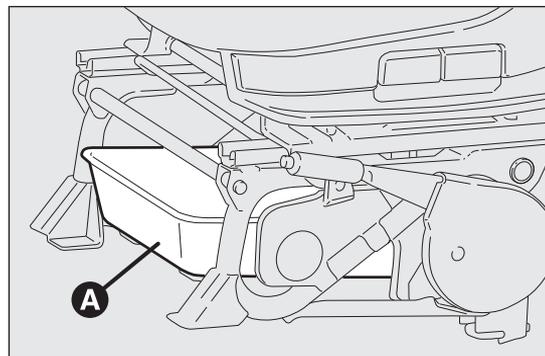


fig. 32

F0N0237

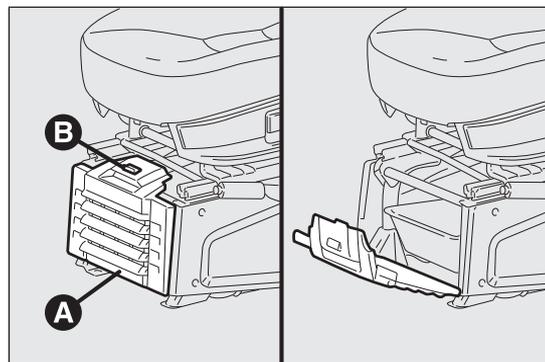


fig. 33

F0N0238

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To allow removal of the front cover, it must be turned as far forward as possible and withdrawn from the hooks on the lower side by pulling toward the front of the vehicle.

PANORAMA VERSIONS

Adjustment of passenger seat tilting backrest

Turn the knob A fig. 34.

Access to second row seats

To gain access to the second row of seats, operate the lever B fig. 34 for the right outer side seat in the first row and fold the backrest forward, pushing with your left hand.

When the seat is restored to its normal position, it engages with the retaining device without the need to operate the lever again.

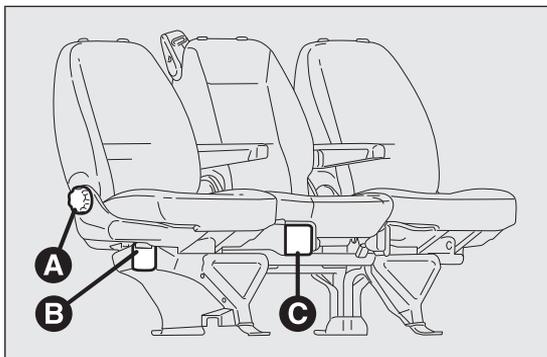


fig. 34

F0N0227

On the one-piece Panorama seat in the second row both side seats are fixed.

Folding middle seat backrest (2nd - 3rd row)

Lift lever C fig. 34 and fold the backrest forwards.

A hard surface on the back of the middle seat is for use as an armrest and table with cup holders.

Operate the same lever to reposition the backrest.

To fold the backrest of the middle seat in the second row, remove the head restraint to make it easier to adjust the backrest of the middle seat in the first row.

COMBI VERSIONS

Easy Entry Position

Raise lever A fig. 35 and tilt the backrest forwards.

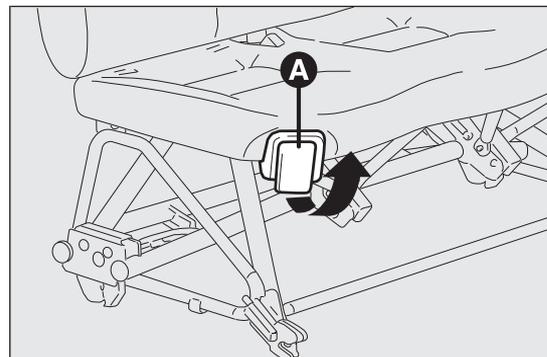


fig. 35

F0N0228

Stacked position

Proceed as follows:

- remove the head restraints from the easy entry position;
- raise lever B fig. 36 (located under lever A fig. 35) with your right hand;
- turn the backrest 5° towards the rear;
- fold the backrest forward with your left hand.

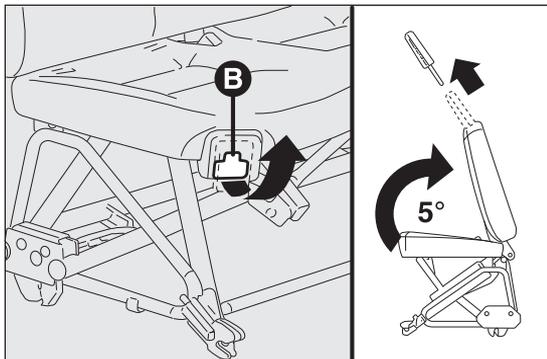


fig. 36

F0N0229



WARNING

Do not travel with passengers seated in the 3rd row with the 2nd row bench folded over. Do not place objects of any type on the backrest of the 2nd bench with the row folded over: in the event of impact or sharp braking they could be thrown against the occupants of the vehicle causing serious injury. For more information, see the contents of the adhesive plate located under the bench.

Removing the bench

IMPORTANT At least two people are needed to remove the bench.

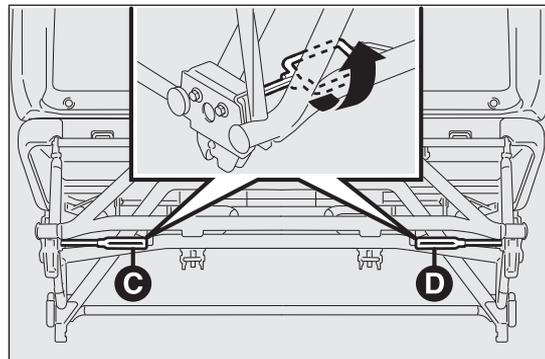


fig. 37

F0N0230

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Proceed as follows to remove the bench:
from stacked position, operate levers C and D
fig. 37, turning them forward (as specified on the
adhesive plate located on the lower crossmember);

- lift the seat base forward;
- bring the seat to an upright position;
- from the upright position, operate levers E and F
fig. 38 rotating them upwards;
- raise the bench from the floor and remove it.



WARNING

When refitting the bench, ensure that it is correctly locked to the floor guides.

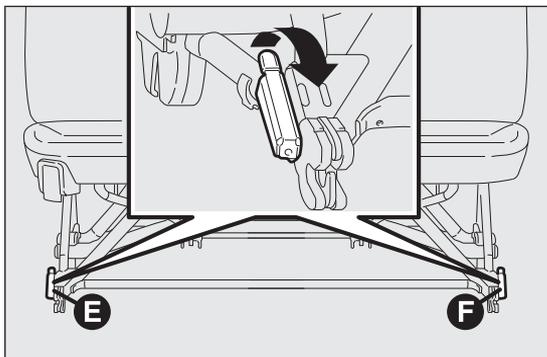


fig. 38

F0N0231

HEAD RESTRAINTS

FRONT

On certain versions the head restraints are adjustable in height and they lock automatically in the required position fig. 39.

Adjustment

- Upwards adjustment: lift the head restraint until it locks.
- Downwards adjustment: press the button A fig. 39 and lower the head restraint.

To extract the front head restraints press buttons A and B fig. 39 at the side of the two supports simultaneously and release them upwards.

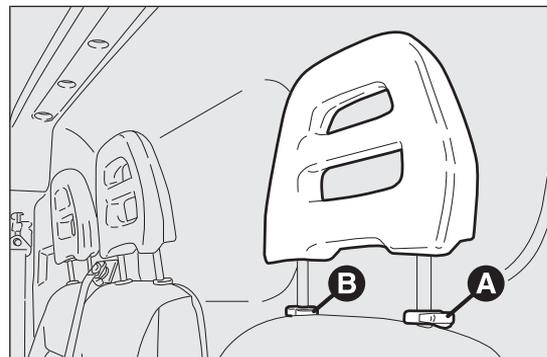


fig. 39

F0N0020



WARNING

All adjustments must be carried out only with the vehicle stationary and the engine off. Head restraints must be adjusted so that the head, rather than the neck, rests on them. Only when they are adjusted in this manner can they serve their intended purpose. To take best advantage of the protection provided by the head restraint, adjust the seat back so that you are sitting up straight and your head is as close to the head restraint as possible.

STEERING WHEEL

The steering wheel position can be adjusted axially.

To carry out the adjustment, proceed as follows:

- release the lever fig. 40 by pulling it towards the steering wheel (position 2);
- adjust the steering wheel;
- block the lever by pushing it forwards (position 1).



WARNING

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

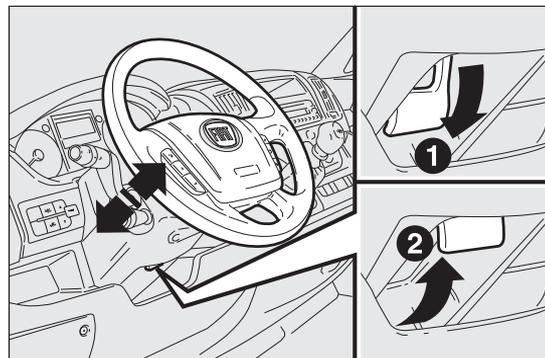


fig. 40

F0N0321

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**WARNING**

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

REAR VIEW MIRRORS**INTERIOR 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. 41 can be used to move the mirror to two different positions: normal or antiglare.

DOOR MIRRORS**Mirrors with manual adjustment**

To adjust the mirrors, manually operate on each of the two glasses of each mirror.

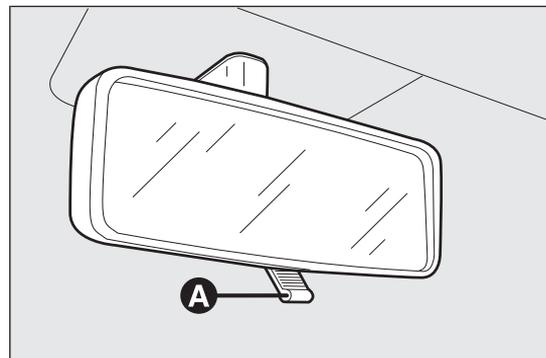


fig. 41

F0N0022



WARNING

As the driver's exterior mirror is curved, it may slightly alter the perception of distance of the reflected image. Further, the reflective surface of the lower part of the exterior mirrors is parabolic to increase the field of view. The reflected image size is thus reduced and gives the impression that the reflected item is further away than it actually is.

Mirrors with electrical adjustment

Electrical adjustment can only be carried out with the ignition key in the MAR-ON position.

To adjust the mirrors, turn the knob B fig. 42 to one of the four positions: 1 left mirror, 2 right mirror, 3 left wide angle, 4 right wide angle.

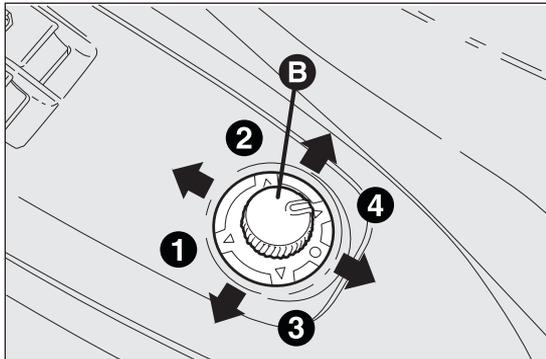


fig. 42

F0N0024

After rotating knob B on the mirror to be adjusted, move it in the direction shown by the arrows to adjust the selected glass.

Mirror folding with manual adjustment fig. 43

When required (for example when the mirror causes difficulty in narrow spaces or during an automatic car wash) it is possible to fold the mirrors manually, moving them from position 1 to position 2.

If the mirror has been accidentally rotated forwards (position 3), for example due to an impact, it must be manually returned to position 1.



WARNING

When driving the mirrors should always remain in position 1.

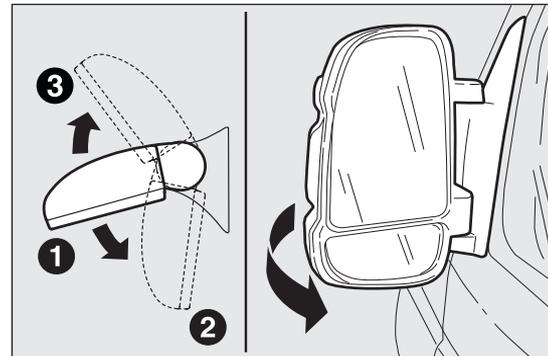


fig. 43

F0N0023

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Mirror folding with electrical adjustment

fig. 43 - fig. 44

(for versions/markets, where provided)

When required (for example when the mirror causes difficulty in narrow spaces or during an automatic car wash) it is possible to fold the mirrors both electrically and manually, moving them from position 1 fig. 43 to position 2.

Electrical folding

To fold the mirrors electrically, press point 2 of rocker button A fig. 44. To bring the mirrors back to open position, press point 1 of the button.

IMPORTANT If the mirrors are folded electrically, they should be returned to the open position electrically: do not try to return the mirrors manually to driving position.

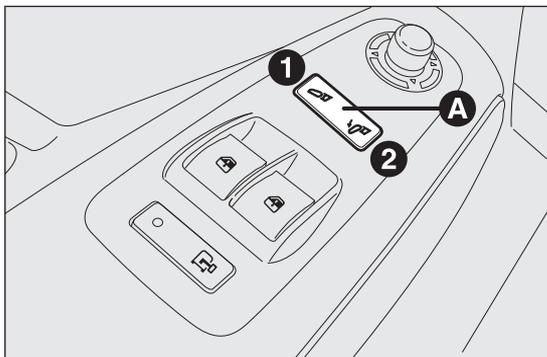


fig. 44

F0N0159

Manual folding

To fold the mirrors manually, move them from position 1 fig. 43 to position 2. If the mirrors are folded manually, they can be returned to the open position both manually and electrically.

IMPORTANT To bring the mirrors electrically to open position, press point 2 of the rocker button A fig. 44 until an engagement “click” is heard, then press point 1 of the button again.

Folding forwards

The mirrors can be manually folded forwards (position 3 fig. 43) or brought to open position 2 again manually if they have been accidentally rotated forwards (for example due to an impact).

If the mirrors have been rotated forwards manually or due to an impact, they can be returned to open position both manually and electrically.

To bring the mirrors electrically to open position, press point 2 of the rocker button A fig. 44 until an engagement “click” is heard, then press point 1 of the button again.

IMPORTANT If the mirrors have been manually folded to position 3 fig. 43 by mistake, the mirror moves to an intermediate position. In this case, manually rotate the mirror to position 1, then press point 2 of the rocker button A fig. 44 to return the mirror to position 2 until a “click” is heard, then press point 1 of the button to bring it back to position 1.

Defrosting/demisting (for versions/markets, where provided)

The mirrors are fitted with resistances that operate when the heated rear window is activated (by pressing the  button).

IMPORTANT This function is timed and will turn off automatically after several minutes.

HEATING AND VENTILATION

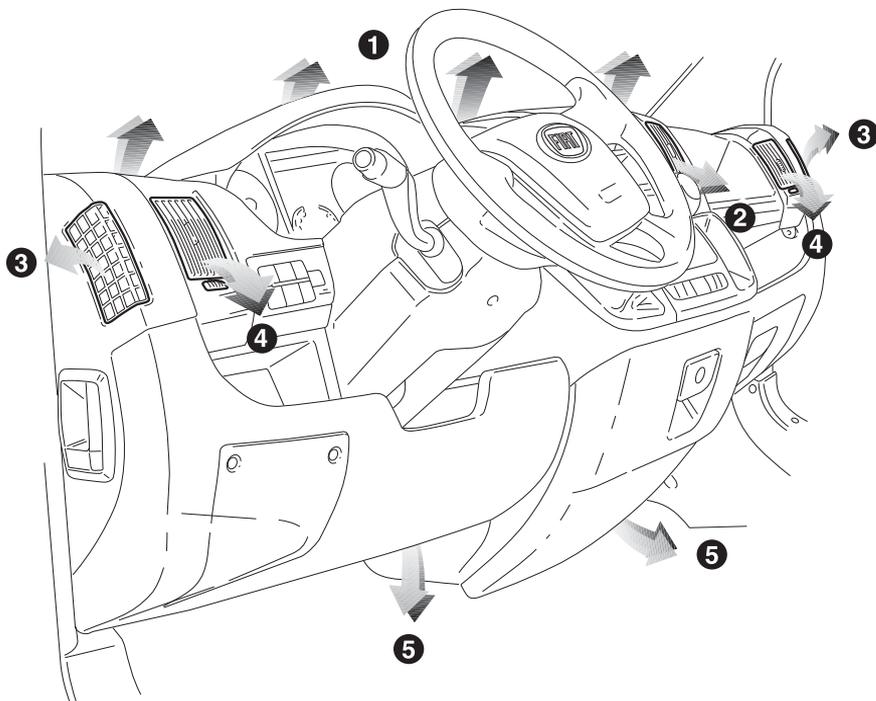


fig. 45

F0N0322

1. Upper fixed diffuser - 2. Adjustable centre diffusers - 3. Fixed side diffusers - 4. Adjustable side diffusers - 5. Lower diffusers for front seats.

DIFFUSERS

ADJUSTABLE SIDE AND CENTRAL DIFFUSERS

A Fixed diffusers for side windows.

B Adjustable side diffusers.

C Fixed diffusers.

D Adjustable centre diffusers.

E Air flow adjustment control.

The diffusers A and C cannot be adjusted.

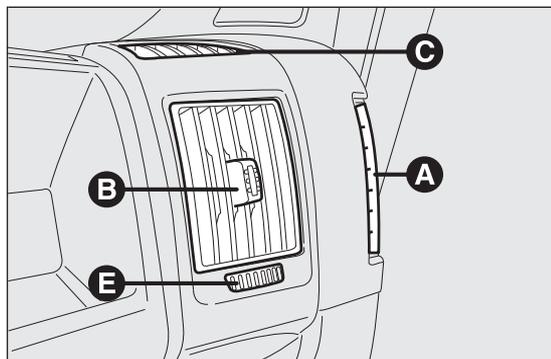


fig. 46

F0N0026

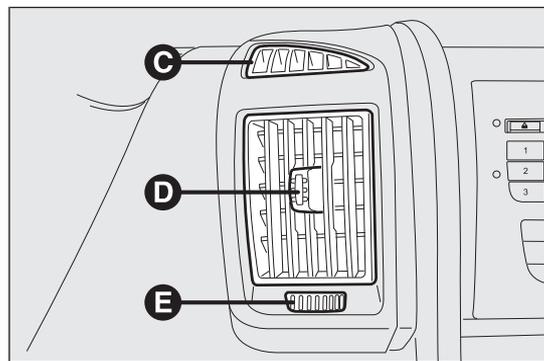


fig. 47

F0N0027

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HEATING AND VENTILATION CONTROLS

CONTROLS fig. 48

Air temperature adjustment ring nut A (mixing hot and cold air)

Red section = hot air

Blue section = cold air

Fan activation/adjustment knob B

0 = fan off

1-2-3 = fan speed

4  = maximum fan speed

Air distribution ring nut C

 to convey air to the central and side vents;

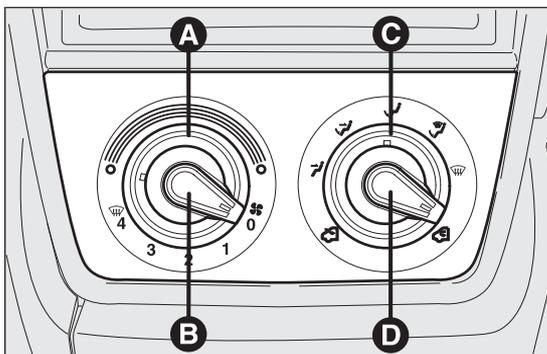


fig. 48

F0N0514

-  to warm the feet and convey slightly cooler air to the dashboard vents, in intermediate temperature conditions;
-  for heating when the outside temperature is very low: to direct as much air as possible to the feet;
-  to warm the feet and demist the windscreen at the same time;
-  for quick windscreen demisting.

Air recirculation on/off knob D

When knob D is turned to  the internal air recirculation is activated.

When knob D is turned to  the internal air recirculation is deactivated.

PASSENGER COMPARTMENT VENTILATION

To ventilate the passenger compartment well, proceed as follows:

- turn the ring nut A to the blue section;
- stop internal air recirculation by placing knob D on ;
- turn ring nut C to ;
- turn knob B to required speed.

PASSENGER COMPARTMENT HEATING

Proceed as follows:

- turn the ring nut A to the red section;

- turn the ring nut C to the required position;
- turn knob B to required speed.

FAST PASSENGER COMPARTMENT HEATING

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

- turn the ring nut A to the red section;
- start internal air recirculation by placing knob D on ;
- turn ring nut C to ;
- turn knob B to 4  (max. fan speed).

Then use the controls to maintain the required comfort conditions and turn the knob D to  to turn the air recirculation off and to prevent misting.

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

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

Proceed as follows:

- turn the ring nut A to the red section;
- stop internal air recirculation by placing knob D on ;
- turn ring nut C to ;
- turn knob B to 4  (max. fan speed).

IMPORTANT To guarantee rapid demisting/ defrosting, if an additional heater is present (under the front or rear seat on Panorama and Combi versions), if activated, deactivate it using the button F (LED off) located in the control panel fig. 49.

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

Window demisting

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

- turn the ring nut A to the red section;
- stop internal air recirculation by placing knob D on ;

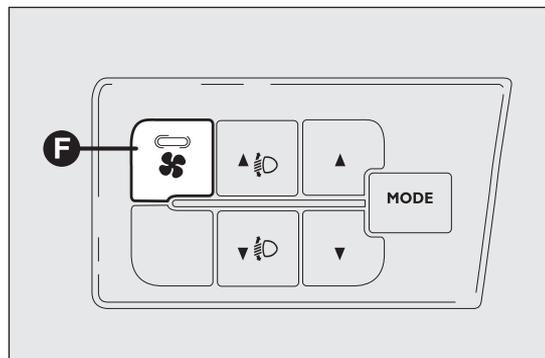


fig. 49

F0N0500

- turn ring nut C to  and consider moving to  if misting does not occur;
- turn knob B to 2nd speed.

DEMISTING/DEFROSTING OF HEATED REAR WINDOW AND DOOR MIRRORS

(for versions/markets, where provided)

Press button A fig. 50 to activate this function; once enabled, the light on the button comes on. This function is timed and will turn off automatically after 20 minutes. Press button A 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.

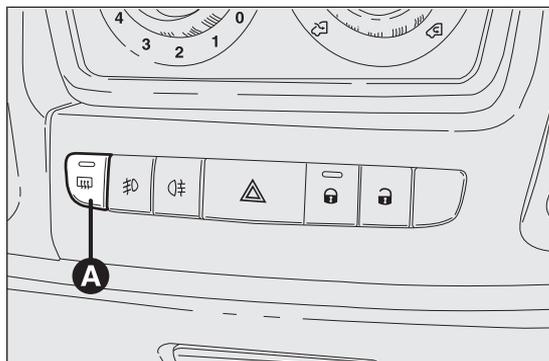


fig. 50

F0N0043

INTERNAL AIR RECIRCULATION ACTIVATION

Turn knob D fig. 48 to .

It is advisable to switch the internal air recirculation on while standing in queues or in tunnels to prevent the introduction of polluted air. Do not use the function for a long time, particularly if there are many passengers on board, to prevent the windows from misting up.

IMPORTANT Internal air recirculation makes it possible to reach the required heating or cooling conditions more quickly depending on the mode selected.

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

MANUAL CLIMATE CONTROL

(for versions/markets, where provided)

CONTROLS fig. 51

Air temperature adjustment ring nut A (mixing hot and cold air)

Red section = hot air

Blue section = cold air

Fan activation/adjustment knob B

0 = fan off

1-2-3 = fan speed

4  = maximum fan speed

Air distribution ring nut C

 to convey air to the central and side vents;

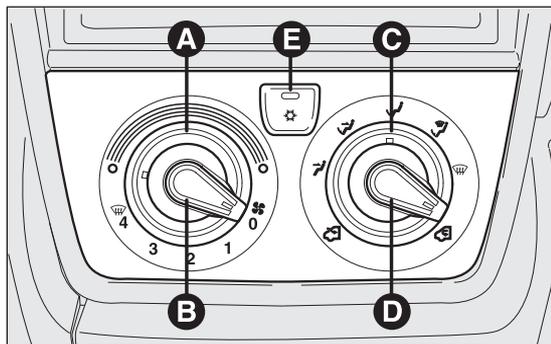


fig. 51

F0N0515

-  to warm the feet and convey slightly cooler air to the dashboard vents, in intermediate temperature conditions;
-  for heating when the outside temperature is very low: to direct as much air as possible to the feet;
-  to warm the feet and demist the windscreen at the same time;
-  for quick windscreen demisting.

Air recirculation on/off knob D

Press the button (button LED on) to turn the internal air recirculation on.

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

Climate control system on/off button E

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

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

PASSENGER COMPARTMENT VENTILATION

To ventilate the passenger compartment well, proceed as follows:

- turn the ring nut A to the blue section;
- stop internal air recirculation by placing knob D on ;

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- turn ring nut C to  ;
- turn knob B to required speed.

CLIMATE CONTROL SYSTEM (cooling)

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

- turn the ring nut A to the blue section;
- start internal air recirculation by placing knob D on  ;
- turn ring nut C to  ;
- press button E to turn the climate control system on; the LED on the button will come on;
- turn knob B to 4  (maximum fan speed).

Cooling adjustment

- turn the ring nut A to the right to increase the temperature;
- stop internal air recirculation by placing knob D on  ;
- turn knob B to reduce fan speed.

IMPORTANT When the air conditioner compressor button E is pressed, the function is only activated if at least the first fan speed is selected (knob B).

PASSENGER COMPARTMENT HEATING

Proceed as follows:

- turn the ring nut A to the red section;

- turn the ring nut C to the required position;
- turn knob B to required speed.

FAST PASSENGER COMPARTMENT HEATING

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

- turn the ring nut A to the red section;
- start internal air recirculation by placing knob D on  ;
- turn ring nut C to  ;
- turn knob B to 4  (max. fan speed).

Then use the controls to maintain the required comfort conditions and turn the knob D to  to turn the air recirculation off and to prevent misting.

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

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

Proceed as follows:

- turn the ring nut A to the red section;
- turn knob B to 4  (max. fan speed).
- turn ring nut C to  ;
- stop internal air recirculation by placing knob D on  ;

IMPORTANT To guarantee rapid demisting/defrosting, if an additional heater/air conditioner is present (under the front or rear seat on Panorama and Combi versions), if activated, deactivate it using the button F fig. 52 (LED off) located in the control panel.

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

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 button E to switch the climate control system on; the LED on the button will light up.

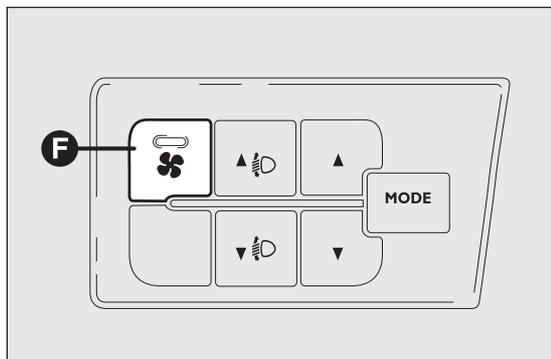


fig. 52

F0N0500

Window demisting

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

- turn the ring nut A to the red section;
- stop internal air recirculation by placing knob D on ;
- turn ring nut C to  and consider moving to  if misting does not occur;
- turn knob B to 2nd speed.

IMPORTANT The climate control system is very useful for preventing the windows from misting up in the presence of high humidity since it dries the air sent into the passenger compartment.

DEMISTING/DEFROSTING OF HEATED REAR WINDOW AND DOOR MIRRORS

(for versions/markets, where provided)

Press button A fig. 53 to activate this function; once enabled, the light on the button comes on.

This function is timed and will deactivate automatically after 20 minutes. Press button A 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.

INTERNAL AIR RECIRCULATION ACTIVATION

Turn knob D to .

It is advisable to switch the internal air recirculation on while standing in queues or in tunnels to prevent the introduction of polluted air. Do not use the function for a long time, particularly if there are many passengers on board, to prevent the windows from misting up.

IMPORTANT Internal air recirculation makes it possible to reach the required heating or cooling conditions more quickly depending on the mode selected.

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

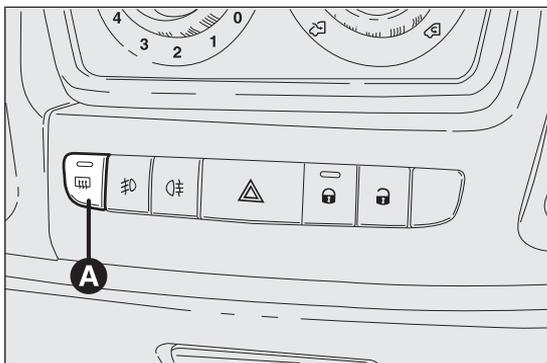


fig. 53

F0N0043

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.

Note 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.

AUTOMATIC CLIMATE CONTROL

(for versions/markets, where provided)

GENERAL INFORMATION

The automatic climate control system adjusts the temperature, the quantity and the distribution of the air in the passenger compartment.

The temperature control is based on the "equivalent temperature": in other words, the system continuously works to keep the comfort level inside the vehicle constant and to compensate for possible variations in outside conditions, including the sun's rays detected by a dedicated sensor.

The automatically controlled parameters and functions are:

- air temperature at the vents;
- air distribution at the vents;
- fan speed (continuous variation of the air flow);
- compressor activation (for cooling/dehumidifying the air);
- air recirculation.

All functions may be changed manually. In other words, you may select one or more functions and change the parameters as required. Automatic control of the manually changed functions will be suspended: the system will override your settings only for safety-related reasons (e.g. risk of misting).

Manual selections will always take priority over automatic settings and will be stored until the user

switches the system back to automatic operation by pressing the AUTO button again except for the cases in which the system will intervene for particular, safety-related reasons.

You can adjust one function manually without affecting the automatic control of the others.

The temperature of the air sent is always controlled automatically, depending on the temperature set in the display (except when the system is off or in certain conditions when the compressor is switched off).

The system allows the following parameters and functions to be set or altered manually: air temperature, fan speed (continuous variation); air distribution in seven positions; compressor enablement; fast defrosting/demisting function; air recirculation; switching off the system.

CONTROLS

- A** AUTO button automatic control of all functions.
- B** Air distribution selection button.
- C** Display.
- D** MAX DEF function control button.
- E** System off button.
- F** Compressor enabling/disabling button.
- G** Air recirculation control button.
- H** Fan speed increase/decrease control buttons.
- I** Temperature increase/decrease control knob.

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USING THE CLIMATE CONTROL SYSTEM

The system can be started in different ways, but it is advisable to start by pressing the AUTO button and then turning the knob to set the temperature required on the display. The system will start running automatically in this way and the set temperature will be reached as quickly as possible. The system will adjust the temperature, the quantity and the distribution of the air sent into the passenger compartment and, by managing the recirculation function, the activation of the compressor. During fully automatic operation the only manual intervention required is the possible activation of the following functions:

-  air recirculation, to keep the function always either on or off;
-  to speed up demisting/defrosting of windscreen, rear window and external rear view mirrors.

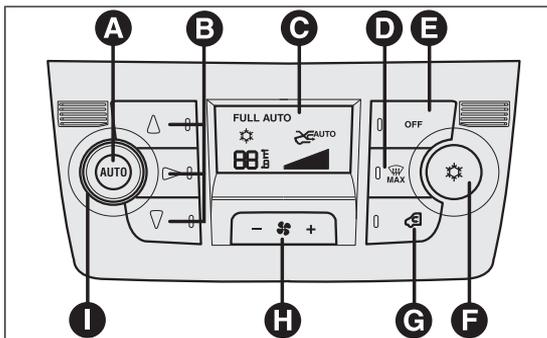


fig. 54

F0N0831

During fully automatic system operation, you can change the set temperatures, air distribution and fan speed at any time by using the relevant buttons or knobs: the system will automatically change its settings to adjust to the new requirements. During fully automatic operation (FULL AUTO), the word FULL will disappear if the air distribution and/or flow rate and/or engagement of the compressor and/or recirculation settings are changed. In this way, the functions will switch from automatic to manual control until the AUTO button is pressed again. With one or more functions turned on manually, the adjustment of the intake air temperature continues to be managed automatically, except with the compressor switched off: if this is the case, the temperature of the air sent into the passenger compartment cannot be lower than that of the outside air.

CONTROLS

Air temperature adjustment knob (I)

Turn the knob either clockwise or counterclockwise to increase or lower the requested temperature in the passenger compartment.

The temperature set is shown on the display.

Turn the knob either fully to the right or fully to the left to the extreme HI or LO position to turn the maximum heating or maximum cooling functions on:

- HI function (maximum heating): select by turning the temperature knob clockwise beyond the maximum value (32°C).

This function may be used to heat up the passenger compartment by exploiting the system's potential to the full. In this event, the system stops controlling the temperature automatically and sets the air mixing to maximum heating. The air speed and distribution are fixed.

In particular, 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 to the passenger compartment.

All manual settings will be allowed when this function is on.

To switch the function off, simply turn the temperature knob counterclockwise and set the required temperature.

- LO function (maximum cooling): select by turning the temperature knob anticlockwise beyond the minimum value (16°C).

This function may be used to cool down the passenger compartment, exploiting the system's potential to the maximum. In this event, the system stops controlling the temperature automatically and sets the air mixing to maximum cooling. The air speed and distribution are fixed. All manual settings will be allowed when this function is on.

To switch the function off, simply turn the temperature knob clockwise and set the required temperature.

Air distribution buttons (B)

By pressing these buttons, it is possible to set one of the seven possible air distributions manually:

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

▶ Air flow at central and side dashboard vents to ventilate the chest and the face during the hot season.

▼ Air flow to the front and rear footwell vents. Thanks to the natural tendency of hot air to rise, this distribution pattern allows the passenger compartment to warm up as quickly as possible, providing an immediate feeling of warmth.

▶ ▼ Air flow distributed between footwell vents (hotter air) and central and side dashboard vents (cooler air). This distribution mode is particularly useful in spring and autumn on sunny days.

▲ ▼ Air flow distributed between the footwell vents and the windscreen and front side window defrosting/demisting vents. This allows an adequate warming of the passenger compartment and prevents the windows from steaming up.

▲ ▶ Air flow distribution split between the windscreen and front side windows defrosting/demisting vents and the central and side dashboard vents as well as the footwell vents. This distribution makes it possible to maintain good levels of comfort and keep the passenger compartment sufficiently cool (useful in the summer).

▲▶▼ Air flow distributed between windscreen and front side window defroster/demister and central and side dashboard vents. This distribution allows good air diffusion and maintains a good level of comfort both in summer and winter.

The distribution set is shown by the corresponding LEDs in the selected buttons coming on.

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

Fan speed adjustment buttons (H)

Press the H button to increase or to decrease the fan speed and therefore the amount of air sent into the passenger compartment, though the required temperature remains set.

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

- Maximum fan speed = all the bars lit up;
- Minimum fan speed = one bar lit up.

The fan can be turned off only if the climate control compressor has been switched off by pressing the F button fig. 54.

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

IMPORTANT At high vehicle speeds, the dynamic effect may increase the flow of air into the passenger compartment which in this case will not directly correspond to the fan speed bar display.

AUTO button (A) (automatic operation)

Press the AUTO button to make the system automatically adjust the quantity and distribution of the air introduced into the passenger compartment. All previous manual settings will be cancelled.

The message FULL AUTO will appear on the front display in this condition.

By manually adjusting at least one of the functions automatically managed by the system (air recirculation, air distribution, fan speed or switching off the air conditioner compressor), the word FULL will disappear from the display, indicating that the system is no longer automatically controlling all the functions (the temperature will still be controlled automatically).

IMPORTANT Should the system (after manual settings) no longer be able to guarantee the required temperature set in the passenger compartment, the set temperature value will start flashing to indicate the difficulties the system is experiencing and then the word AUTO will disappear.

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

Air recirculation on/off button (G)

The air recirculation is managed according to the following operating logics:

- ❑ override on (inside air recirculation always on), indicated by the LED on button G and the  symbol on the display;
- ❑ override off (air recirculation constantly off with air intake from the outside), signalled by the LED in the button switching off and by the  symbol in the display disappearing.

These operating conditions are obtained by pressing air recirculation button G in sequence.

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

It is however not advisable to use recirculation on rainy/cold days as it would considerably increase the possibility of the windows steaming up, especially if the climate control compressor is off.

The recirculation is forced off (air is introduced from the outside) when the outside temperature is cold to prevent misting.

It is advisable not to use the air recirculation function when the outside temperature is low, because the windows could rapidly steam up.

Climate control compressor enablement/off button (F)

Press the  button to switch the climate control compressor off (if on). The icon on the display will switch off.

Press the button when the LED is off to restore automatic system control and use of the compressor. The icon will light up on the display in this case.

The system will switch the recirculation off when the compressor is switched off to prevent the windows misting up. Although the system is capable of maintaining the required temperature, the word FULL will disappear from the display. If, on the other hand, it is no longer capable of maintaining the temperature, the letters flash and the word AUTO goes out.

IMPORTANT With the compressor off, it is not possible to introduce air cooler than ambient temperature into the passenger compartment. Furthermore, in certain conditions, the windows could mist up rapidly because the air is not dehumidified.

The system remembers that the compressor has been switched off, even after the engine has stopped.

To restore automatic compressor control, press the  button again (in this case, the system will only work as a heater) or press the AUTO button.

With the compressor switched off, if the outside temperature is higher than the one set, the system is not capable of satisfying this request.

This is signalled by the target temperature flashing, after which the word AUTO goes out.

With the climate control compressor off, the fan speed can be set to zero manually (no bar shown).

With the compressor enabled and the engine started, the fan speed may be reduced only to the minimum setting (one bar shown).

Button for rapid window demisting/defrosting (D)

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

- switches on climate control compressor when climatic conditions are suitable;
- air recirculation off;
- maximum air temperature HI in both areas;
- sets the fan speed according to the engine coolant temperature to limit the flow of air that is not sufficiently warm to demist the windows;
- directs air flow to windscreen and front side windows vents;
- heated rear window on.

IMPORTANT The rapid demisting/defrosting function for the windows remains on for about 3 minutes from when the engine coolant reaches the appropriate temperature for a rapid demisting of the windows.

When this function is active, the LED on the corresponding button and the one on the heated rear window button switch on. The message FULL AUTO goes off on the display.

You can only adjust the fan speed and switch the heated rear window off manually when this function is active.

To restore the previous operating conditions, simply press button B, air recirculation button G, compressor button F or AUTO button A.

Note To guarantee rapid demisting/defrosting, if an additional heater/air conditioner is present (under the front or rear seat on Panorama and Combi versions), if activated, deactivate it using the button F (LED off) located in the control panel F fig. 55.

Switching off the system OFF (E)

Press button E to switch the climate control system off. The display will go out.

The following climate control conditions will be present when the system is off:

- display off;
- temperature setting not displayed;
- air recirculation on, thereby insulating the passenger compartment from the outside (recirculation LED on);
- climate control compressor off;
- fan off.

Press the AUTO button to switch the climate control system back on in full automatic mode.

ADDITIONAL HEATER

(for versions/markets, where provided)

On some versions, an additional heater is also present beneath the driver's seat. The fan for this heater is operated by means of the button F located on the control panel fig. 55.

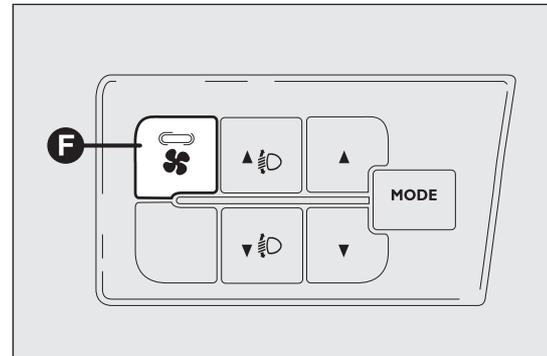


fig. 55

F0N0500

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INDEPENDENT SUPPLEMENTARY HEATER

(for versions/markets, where provided)

The vehicle is available, on request, with two different independent heaters: one fully automatic, the other which can be programmed.

AUTOMATIC VERSION

The additional heater is turned on in automatic mode when the engine is started and the required outside temperature and coolant conditions are present. Deactivation is always automatic.

IMPORTANT During periods with low outdoor temperatures when the device cuts in, check that the fuel level is always higher than the reserve level. Otherwise the device could lock and require the assistance of a Fiat Dealership.



WARNING

The heater burns fuel in the same way as the engine, though to a lesser extent. To prevent poisoning and asphyxiation, the supplementary heater must never be turned on, even for short periods, in closed environments such as a garage or workshops without extraction fans for the exhaust gases.

PROGRAMMABLE VERSION

The additional heater operates completely independently of engine operation and allows the following:

- heating the passenger compartment with the engine off
- defrosting the windows;
- heat the engine coolant and then the engine itself prior to starting.

The system consists of:

- a diesel burner for heating the water with an exhaust silencer for the combustion gases;
- a metering pump connected to the reservoir pipes for supplying the burner;
- a heat exchanger connected to the engine cooling system pipes;

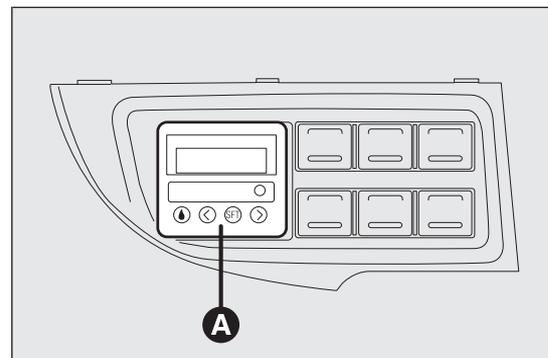


fig. 56

F0N0150

- ❑ a control unit connected to the passenger compartment heating/ventilation system to allow automatic operation;
- ❑ an electronic control unit for controlling and adjusting the built-in burner;
- ❑ a digital timer A fig. 56 for turning the heater on manually or for programming the time that it comes on.

The additional heater (during winter) heats, maintains the temperature of and circulates engine coolant for a set time period in order to ensure optimum engine and passenger compartment conditions at engine start-up.

The heater can operate automatically when programmed with a digital timer or manually by pressing the “immediate heating” button on the timer.

After heater activation, either programmed or manual, the electronic control unit operates the liquid circulation pump and ignites the burner in accordance with the preset, controlled procedures.

The circulation pump output is also controlled by the electronic control unit in order to minimise the initial heating time.

When the system operates, the control unit turns on the passenger compartment heater unit fan at the second speed.

The thermal power of the boiler is regulated automatically by the electronic control unit depending on the temperature of the engine coolant.

IMPORTANT The heater is equipped with a thermal limiter that cuts off combustion in the case of overheating due to insufficient coolant/coolant leaks. In this case, after repairing the fault in the cooling system and/or topping up the fluid, press the program selection button before turning the heater back on.

The heater can turn off spontaneously due to misfiring after start-up or because the flame goes out during operation. In this case, carry out the turning off procedure and try to turn the heater back on. If it still does not work, consult a Fiat Dealership.

Activation of the heating system

When an automatic climate control system is present, the control unit sets the air temperature and distribution when the heater is turned on from the park position. When a manual heater/climate control is present, to obtain maximum heater efficiency, check that the passenger compartment heating/ventilation temperature adjustment knob is in the 'hot air' position.

To prioritise passenger compartment pre-heating, set the air distribution knob to the  position.

To prioritise windscreen defrosting, set the air distribution knob to the  position.

To obtain both functions, set the air distribution knob to the  position.

Digital timer fig. 57

- 1) Heater cycle warning light
- 2) Display lighting
- 3) Clock preselection recall number
- 4) Clock button
- 5) Hour forward adjustment button
- 6) Programme selection button
- 7) Hour back adjustment button
- 8) Immediate heating activation button
- 9) Time adjustment/reading warning light

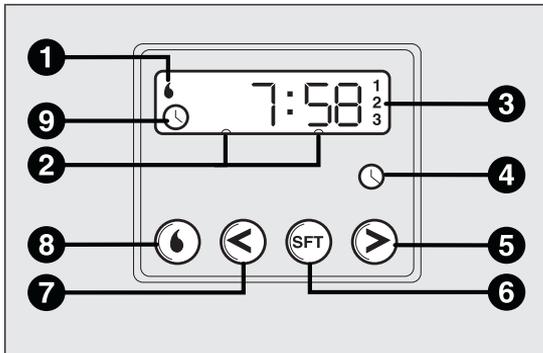


fig. 57

F0N0151

Heating turned on immediately fig. 58

To switch the system on manually, press button 8 of the timer: the display and warning light 1 will light up and remain on for the entire time that the system is working.

Programmed activation of heating

Before programming system activation, it is essential to set the time.

Setting the current time

- Press button 4: the display and warning light 9 will switch on fig. 59;
- Within 10 seconds, press buttons 5 or 7 to select the exact time.

When the display switches off, the current time is stored.

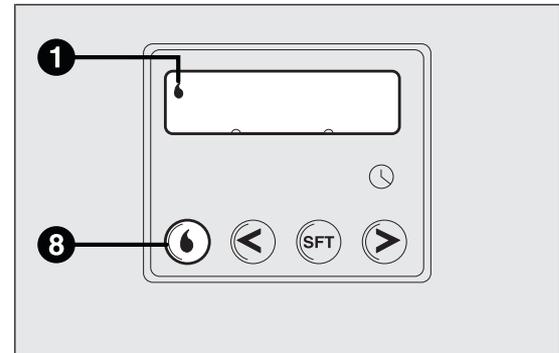


fig. 58

F0N0152

Holding down the buttons 5 or 7 will move the digits on the clock forwards or backwards faster.

Reading the current time fig. 59

To read the current time, press button 4: the time will appear on the display for about 10 seconds and warning light 9 will come on at the same time.

Programming the switching on time fig. 60

Activation can be programmed with an advance of between 1 minute and 24 hours. Three different activation times may be selected, but only one can be activated for each pre-heating cycle.

To program the activation time:

- press button 6: the symbol 10 or the time set previously and the number 3 corresponding to the preselection recalled will light up in the display for 10 seconds.

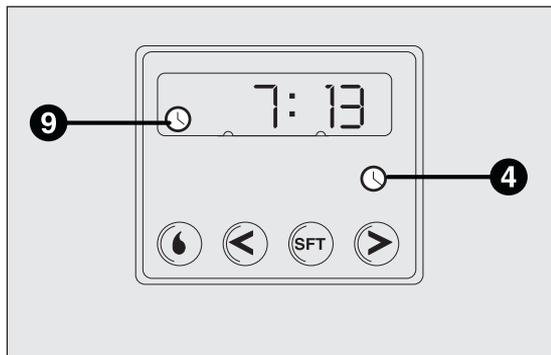


fig. 59

F0N0153

IMPORTANT If you wish to recall other preselected times, press button 6 from time to time within 10 seconds.

– within 10 seconds, press the buttons 5 or 7 to select the desired switching on time.

IMPORTANT The confirmation that the time has been memorised is given by:

- the disappearance of the switching on time;
- the presence of the preselection number 3;
- the lighting of the display.

IMPORTANT When the boiler comes on:

- the flame warning light 1 switches on in the display;
- the preselection number 3 goes out.

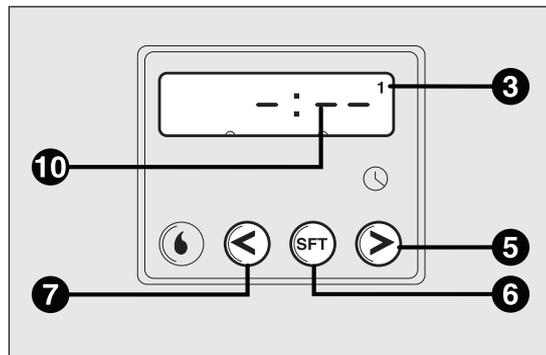


fig. 60

F0N0154

Deactivation of the programmed switching on time fig. 60

To delete the programmed activation time, press button 6 briefly: the display lighting will go off and the number 3 relating to the preselected time will disappear.

Recalling one of the preselected switching on times fig. 61

Press the button 6 as many times as necessary until the number 3 corresponding to the desired programmed activation time appears on the display. After 10 seconds, the time will disappear from the display and remain stored and the number 3 will light up in the display.

IMPORTANT The programmed switching on time can be altered or cancelled by following the instructions given previously.

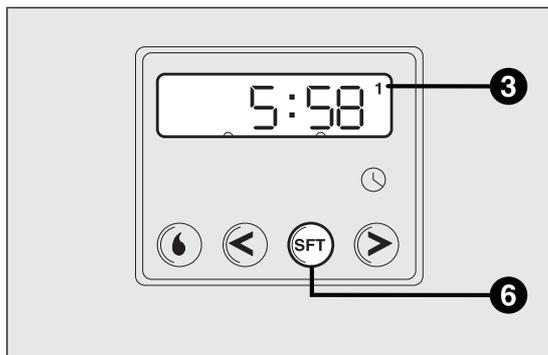


fig. 61

F0N0155

Switching the heating system off

Deactivation of the system, depending on the type of activation (automatic or manual), may be:

- automatic**, at the end of the preset engagement time (60 minutes with red display lighting);
- manual** pressing the “immediate heating” button on the timer again (flame button 1).

In both cases the heating warning light and the display lighting go off, the passenger compartment heater fan is turned off and the combustion stops.

The fluid circulation pump continues to work for around two minutes to dissipate as much heat as possible; the heater can be turned back on during this stage.



WARNING

The heater burns fuel in the same way as the engine, though to a lesser extent. To prevent poisoning and asphyxiation, the supplementary heater must never be turned on, even for short periods, in closed environments such as a garage or workshops without extraction fans for the exhaust gases.

IMPORTANT The parking heater goes off when battery voltage is low to allow the vehicle to be started.

IMPORTANT Before turning on the device, ensure that the fuel level is above the reserve. Otherwise the device could lock and require the assistance of a Fiat Dealership.

- Always turn off the heater when refuelling and near service stations to avoid the risk of explosion or fire hazards.

- Do not park the vehicle on inflammable material such as paper, grass or dry leaves: fire hazard!

- The temperature near the heater should not exceed 120°C (e.g. during oven painting in a body shop). The electronic control unit components may be damaged at higher temperatures.

- Whilst the heater is operating with the engine switched off, it absorbs energy from the battery; the engine should therefore be left running for a while to make sure that the battery is properly recharged.

- To check the coolant level, follow the instructions in the "Vehicle maintenance" chapter, "Engine coolant system fluid" paragraph. The water in the heating circuit must contain a minimum percentage of 10% antifreeze.

- For maintenance and repairs, consult only a Fiat Dealership and use only original parts.

MAINTENANCE

Have the additional heater checked regularly at a Fiat Dealership (and always at the start of every winter). This will guarantee safe and economic operation of the heater as well as a long duration.

ADDITIONAL REAR HEATING (Panorama and Combi)

(for versions/markets, where provided)

The Panorama and Combi versions are equipped with a main heating system plus an additional system (available on request) with controls in the roof lining above the second row of seats fig. 62.

In order to work the system must be enabled through the button F fig. 63 on the control panel.

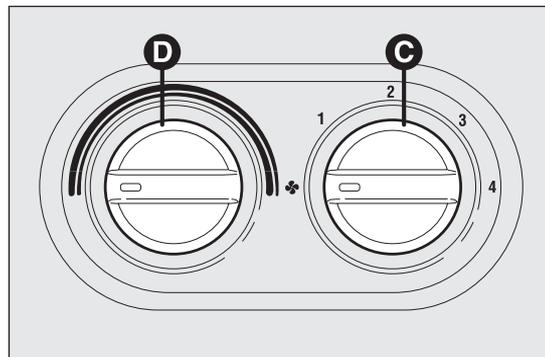


fig. 62

F0N0233

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Turn the knob D to the maximum cold position (knob at blue sector); air at ambient temperature will come out of the rear footwell vents (located under the seats in the 2nd and 3rd row for Panorama versions and the grille on the left wheel arch side for Combi versions);

Turn the knob D to the maximum heating position (knob at red sector); warm air will emerge (with the engine warmed up), from the rear footwell outlets (located under the seats in the 2nd and 3rd row for Panorama versions and the grille on the left wheel arch side for Combi versions).

ADDITIONAL REAR CLIMATE CONTROL (Panorama and Combi)

(for versions/markets, where provided)

The Panorama and Combi versions are equipped with a main heating/air conditioning system plus an additional system (available on request) with controls

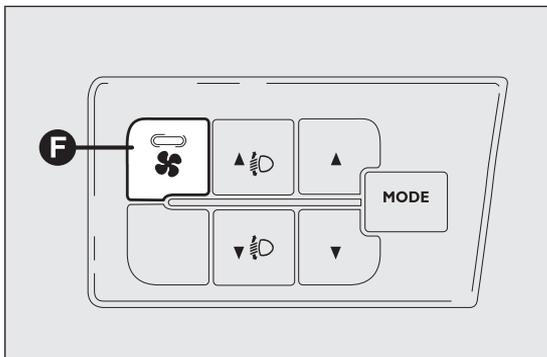


fig. 63

F0N0500

in the roof lining above the second row of seats fig. 62. Button F fig. 63 in the control panel must be enabled for operation; the air conditioning only works if the main air conditioner is on.

- When the knob D is placed in the fully cold position (control in blue sector) cold air comes out the vents in the ceiling.
- Turn the knob D to the maximum heating position (knob at red sector); warm air will emerge (with the engine warmed up), from the rear footwell outlets (located under the seats in the 2nd and 3rd row for Panorama versions and the grille on the left wheel arch side for Combi versions).
- If the selector knob D is placed in the intermediate positions, the air will be distributed between the vents in the ceiling and the rear footwell vents, varying the temperature.

IMPORTANT If the compressor on the main air conditioner control is turned on (operation of button E), even if the additional air conditioner fan is in position 0, the 1st speed will automatically be activated to prevent ice formation, with possible damage to the component.

EXTERNAL LIGHTS

The left lever includes the controls for the external lights.

The external lights can only be switched on when the ignition key is in the ON position.

LIGHTS OFF

Ring nut turned to position **O** fig. 64.

DAYTIME RUNNING LIGHTS (DRL)

(for versions/markets, where provided)

With the ignition key turned to MAR-ON and the ring nut turned to position **O** fig. 64 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" in this chapter).

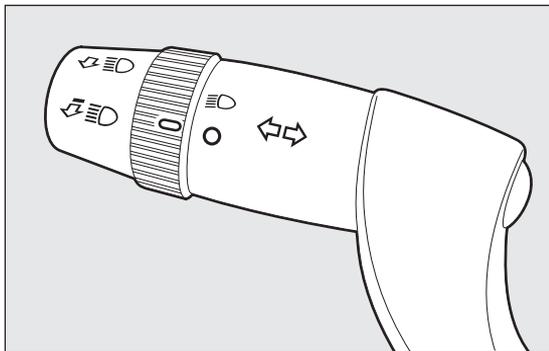


fig. 64

F0N0501

If the daytime running lights are deactivated, no light comes on when the ring nut is turned to **O**.



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. 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.

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DIPPED BEAM HEADLIGHTS/SIDE LIGHTS

With the ignition key turned to MAR-ON, turn the ring nut to  fig. 65.

If dipped beams are activated, the daytime running lights go out and the side lights and dipped beam headlights come on.

The warning light  on the instrument panel switches on.

When the ignition key is turned to STOP or removed and the ring nut is turned from  to , all the side lights and number plate lights come on.

The  warning light will come on in the instrument panel.

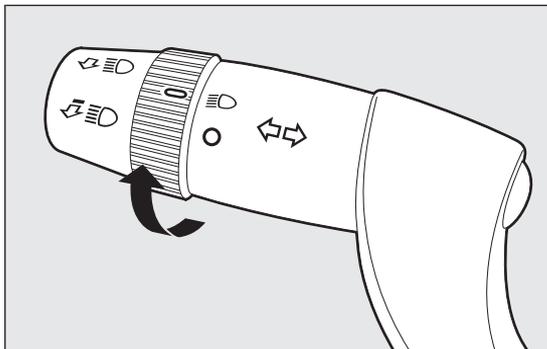


fig. 65

F0N0502

MAIN BEAM HEADLIGHTS

When the ring nut is in position , pull the stalk towards the steering wheel (2nd unstable position) fig. 66.

The warning light  on the instrument panel switches on.

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

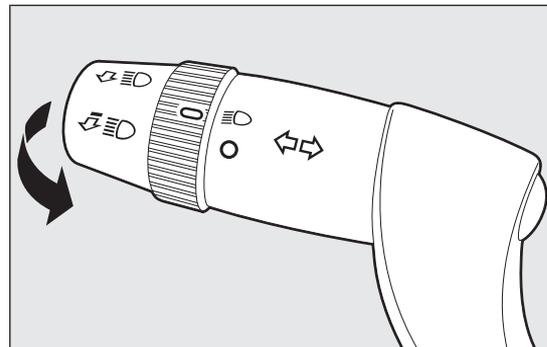


fig. 66

F0N0503

FLASHING

Pull the lever towards the steering wheel (1st unstable position) fig. 67 regardless of the position of the ring nut. The warning light $\equiv \text{D}$ switches on on the instrument panel.

PARKING LIGHTS

These lights can only be turned on with ignition key in STOP position or removed, by moving the left stalk ring nut first to position O and then to position D or D .

The warning light D on the instrument panel switches on.

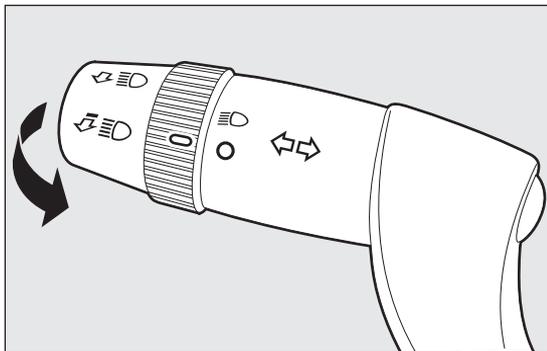


fig. 67

F0N0504

DIRECTION INDICATORS

Place the lever in the (stable) position fig. 68:

- up (position 1): activates the right direction indicator;
- down (position 2): activates the left direction indicator.

Warning light F or D should flash in the instrument panel.

Direction indicators switch off automatically when the vehicle is back in a straight line.

Lane change function

If you wish to signal a lane change, put the left stalk in the unstable position for less than half a second. The direction indicator on the side selected will flash five times and then switch off automatically.

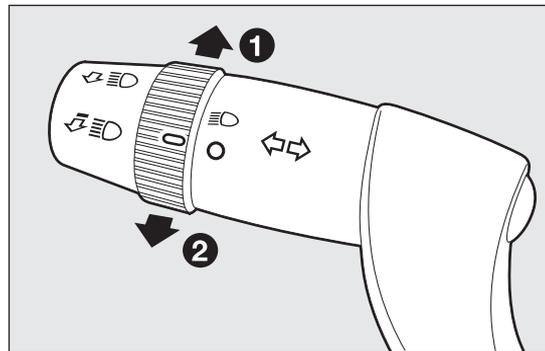


fig. 68

F0N0505

"FOLLOW ME HOME" DEVICE

This device allows the illumination of the space in front of the vehicle for a preset time.

Activation

With the ignition key on OFF or removed, pull the stalk towards the steering wheel fig. 69 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.

The warning light $\Rightarrow \text{O} \Leftarrow$ on the instrument panel will light up and the corresponding message will appear in the display (see "Warning lights and messages") for as long as the function is activated.

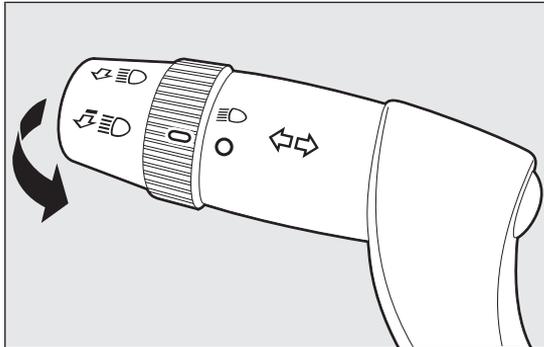


fig. 69

F0N0506

The light comes on when the stalk is first moved and stays on until the function is automatically deactivated.

Each movement of the stalk increases only the amount of time the lights stay on.

Deactivation

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

AUTOMATIC HEADLIGHT SENSOR (dusk sensor)

(for versions/markets, where provided)

It detects variations in brightness outside the vehicle depending on the light sensitivity setting: the greater the sensitivity, the less outside light needed to activate the external lights being turned on.

The sensitivity of the dusk sensor is adjusted by means of the "Setup menu" of the display.

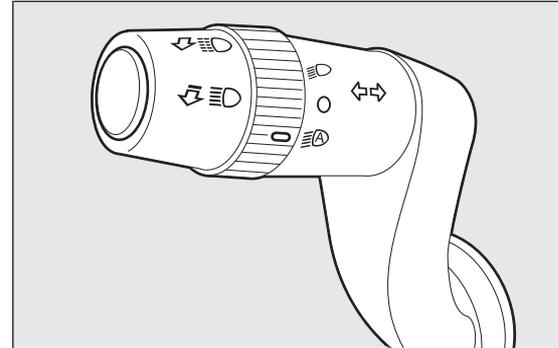


fig. 70

F0N0507

Activation

Turn the ring nut to position  fig. 70: this turns the side lights and the dipped beam headlights on simultaneously and automatically depending on the exterior brightness conditions.

Deactivation

The main beam headlights will go out followed by the side lights after approximately 10 seconds, when the sensor is deactivated.

The sensor is not capable of detecting the presence of fog therefore, in these circumstances, the lights have to be turned on manually.

WINDOW CLEANING

The right stalk fig. 71 controls windscreen wiper/washer operation.

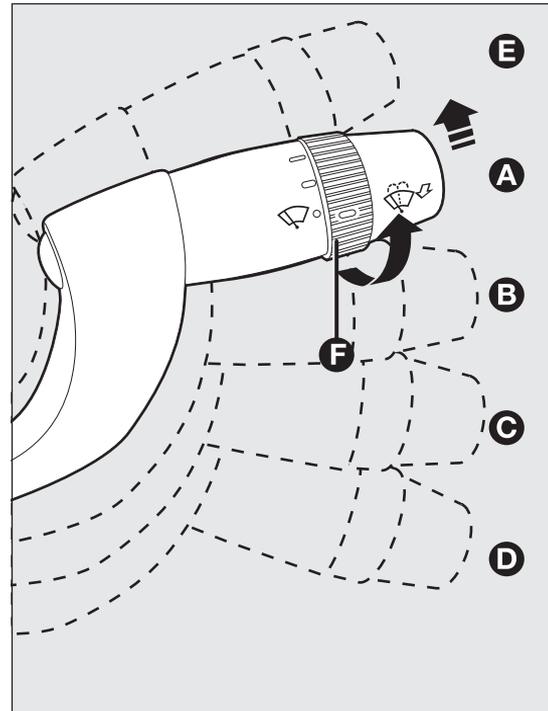


fig. 71

F0N0038

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WINDSCREEN WASHER/WIPER

They can be operated only with the ignition key turned to MAR-ON.

The right stalk can be moved to five different positions:

A windscreen wiper off.

B intermittent operation.

With the lever in position B, turn control F to select one of four different speeds for the intermittent operation mode:

 very slow intermittent operation.

-- slow intermittent operation.

--- medium intermittent operation

---- fast intermittent operation.

C continuous slow operation.

D continuous fast operation

E temporary fast operation (unstable position).

Temporary fast operation position E is limited to the time that the lever is manually held in this position. The lever returns to position A when it is released, automatically stopping the windscreen wipers.

IMPORTANT Replace the wiper blades as specified in the “Maintenance and care” section.



Never use the windscreen wipers to remove layers of snow or ice from the windscreen. In such conditions, the windscreen wipers may be subjected to excessive stress and the overload cut-out, which prevents operation for a few seconds, may intervene. If rear window wiper operation is not restored, contact a Fiat Dealership.

“Smart washing” function

Pull the stalk towards the steering wheel (unstable position) to operate the windscreen washer fig. 72.

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

The wiper stops working three strokes after the stalk is released.

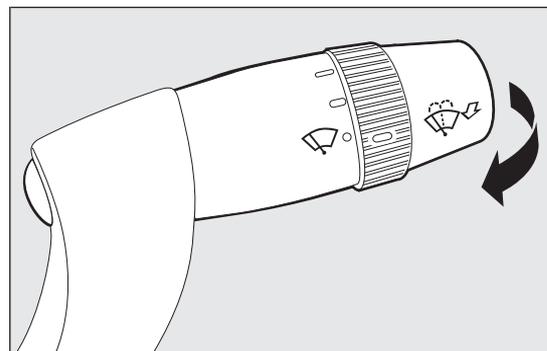


fig. 72

F0N0039

A further stroke after approximately 5 seconds completes the wiping cycle.

RAIN SENSOR

(for versions/markets, where provided)

The rain sensor is located behind the rear-view mirror in contact with the windscreen and has the purpose of automatically adjusting the frequency of the windscreen wiper strokes depending on the intensity of the rain during intermittent operation.

IMPORTANT Keep the glass in the sensor area clean.

Activation fig. 71

Move the right lever down by one click (position B).

The activation of the sensor is signalled by a "stroke" to show that the command has been acquired.

Turn the ring nut F to increase the rain sensor sensitivity.

The increasing of the rain sensor sensitivity is also signalled by a stroke of the wipers.

If the windscreen washer is used with the rain sensor activated, the normal washing cycle is performed, after which the rain sensor resumes its normal automatic operation.

Deactivation fig. 71

Move the lever from position B or turn the ignition key to OFF. The next time the vehicle is started (ignition key in ON position), the sensor is not reactivated even if the lever is still in position B.

To activate the sensor, move the lever to position A or C and then back to position B or turn the ring nut for adjusting the sensitivity. Rain sensor activation will be indicated by at least one wiper "stroke" even if the windscreen is dry.

The rain sensor is capable of recognising the difference between day and night and making the necessary adjustments automatically.



WARNING

Streaks of water may cause unnecessary blade movements.

HEADLIGHT WASHERS

(for versions/markets, where provided)

Headlight washers are "retractable", i.e. they are located inside the front bumpers and they are activated when (with dipped beams on) the windscreen washer is operated.

IMPORTANT Check the correct condition and cleanliness of nozzles at regular intervals.

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CRUISE CONTROL

(for versions/markets, where provided)

This is an electronic driving aid that allows you to drive at a speed of above 30 km/h on long and straight dry roads with few driving changes (e.g. motorways) at a preset speed without having to press the accelerator pedal. It is therefore not recommended to use this device on extra-urban roads with traffic. Do not use it in town.

Switching the device on

Turn the ring nut A to the ON position.

The Cruise Control cannot be engaged in 1st or reverse gear. It is advisable to engage it in 4th or higher gears.

When travelling downhill with the device engaged, the vehicle speed may slightly exceed the memorised one.

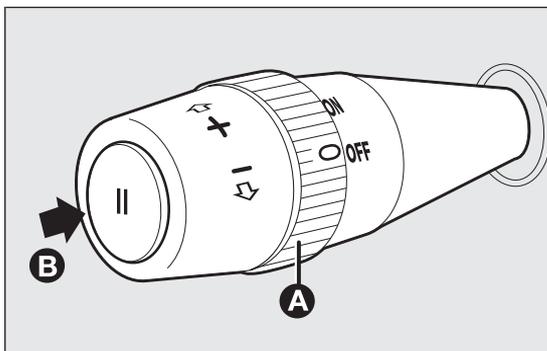


fig. 73

F0N0508

When the device is activated the warning light  comes on together with the relevant message on the instrument panel.

Storing vehicle speed

Proceed as follows:

- turn ring nut A fig. 73 to ON and press the accelerator pedal so that the vehicle reaches the desired speed;
- move the stalk upwards (+) for at least one second, then release it: the vehicle speed is memorised and you can therefore release the accelerator pedal.

If necessary (when overtaking for instance) acceleration is possible by simply pressing the accelerator pedal: releasing the accelerator pedal, the car will return to the speed memorised previously.

Restoring the set speed

If the device has been deactivated, for example by depressing the brake or clutch pedal, the set speed can be restored as follows:

- accelerate progressively until a speed close to that stored is reached;
- engage the gear selected at the time that the speed was stored;
- press button B fig. 73.

Increasing the stored speed

This can be carried out in two ways:

- by pressing the accelerator and storing the new speed reached

or

- by moving the stalk upwards (+).

Each movement of the stalk corresponds to an increase in speed of about 1 km/h, while keeping the stalk held upwards will continuously increase the speed.

Decreasing the stored speed

This can be carried out in two ways:

- by switching off the device and then storing the new speed;

or

- by moving the stalk downwards (-) until the new speed, which will be stored automatically, is reached.

Each movement of the lever corresponds to a reduction in speed of about 1 km/h, while keeping the stalk held downwards will decrease the speed continuously.

Deactivating the device

The device can be deactivated by the driver in the following ways:

- by turning ring nut A to the OFF position
- by stopping the engine

Deactivating the function

The device can be deactivated by the driver in the following ways:

- by turning ring nut A to the OFF position
- by stopping the engine
- by pressing the brake pedal or operating the handbrake
- by pressing the clutch pedal
- requesting a gear shift with an automatic transmission in sequential mode
- with the vehicle speed below the set limit
- by pressing the accelerator pedal; in this case the system is not actually turned off but the acceleration request takes priority; the cruise control remains activated, without the need to press the RES button to restore the previous conditions once the acceleration is over.

The device is automatically switched off in the following cases:

- if the ABS or ESP systems cut in;
- in the event of system failure.

**WARNING**

When travelling with the device active, never move the gear lever to neutral.

**WARNING**

If the device is faulty, turn ring nut A to OFF, check the condition of the fuse and contact a Fiat Dealership.

ROOF LIGHTS

FRONT ROOF LIGHT WITH SPOT LIGHTS

Switch A fig. 74 switches the roof lights on/off. With the switch A in the middle position, the lights C and D go on/off when front doors are opened/closed. With switch A pressed to the left, the lights C and D are always off. With switch A pressed to the right, the lights C and D are always on.

Lights switch on/off progressively.

The switch B is a spot light; when the ceiling light is off, it switches the following on individually:

- light C if pressed on the left side;
- light D if pressed on the right side.

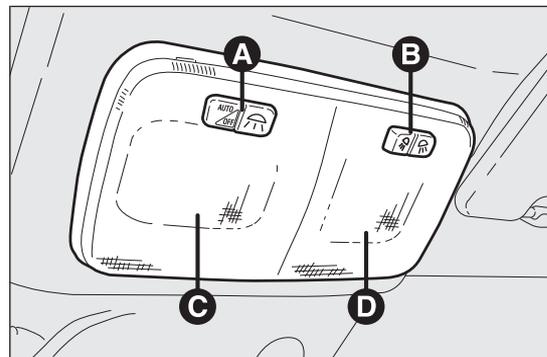


fig. 74

F0N0041

IMPORTANT Before getting out of the vehicle, make sure that both switches are in the middle position; when the doors are closed, the lights switch off preventing the battery from running flat.

In any case, if the switch is left in the on position, the roof light switches off automatically 15 minutes after the engine is stopped.

Roof light timing

On certain versions, to facilitate getting in/out of the vehicle at night or in poorly-lit areas, 2 timed modes have been provided.

TIMING WHEN GETTING INTO THE VEHICLE

The roof lights switch on as follows:

- for around 10 seconds when the front doors are unlocked;
- for about 3 minutes when one of the side doors is opened;
- for about 10 seconds when the doors are closed.

The timed period is interrupted when the ignition is turned to MAR-ON.

TIMING WHEN GETTING OUT OF THE VEHICLE

After removing the key from the ignition, the roof lights switch on as follows:

- within 2 minutes of the engine being switched off for a period of around 10 seconds;

- when one of the side doors is opened for a period of around 3 minutes;
- when one of the doors is closed for a period of about 10 seconds.

The timed period stops automatically when the doors are locked.

LOAD COMPARTMENT REAR ROOF LIGHT

This is located above the rear door. Press the cover at the point shown in fig. 75 to switch it on.

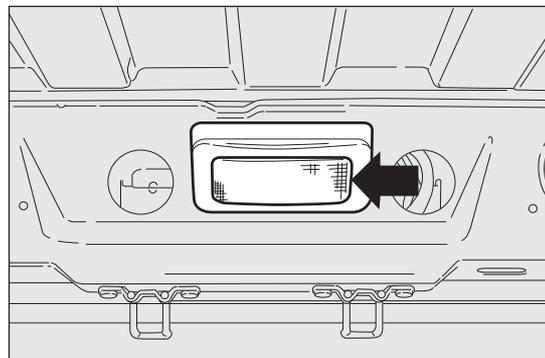


fig. 75

F0N0042

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LOAD COMPARTMENT SIDE ROOF LIGHT

(for versions/markets, where provided)

Press the cover at the point shown in fig. 76 to switch it on.

REMOVABLE ROOF LIGHT

(for versions/markets, where provided)

It is used as both a fixed light and a portable electric torch.

When the removable light is secured to its fixed support fig. 77, the electric torch battery is automatically recharged.

With the vehicle stationary and the ignition key either turned to STOP or removed, the roof light is recharged for a maximum of 15 minutes.

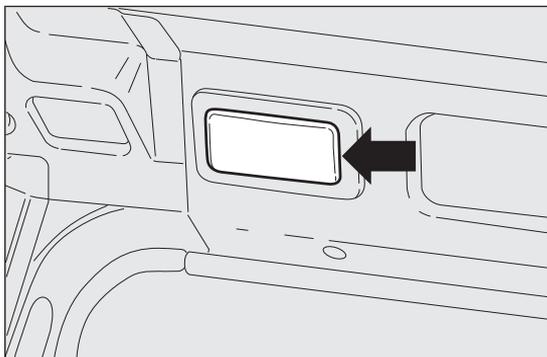


fig. 76

F0N0219

CONTROLS

HAZARD WARNING LIGHTS

They are turned on by pressing switch A fig. 78, regardless of the position of the ignition key.

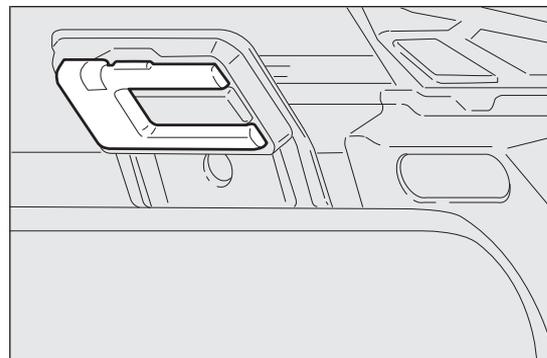


fig. 77

F0N0220

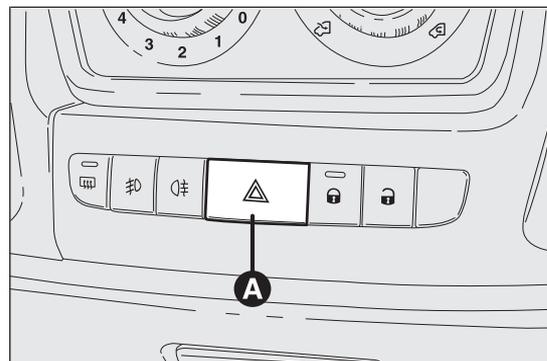


fig. 78

F0N0044

Warning lights  and  are lit up in the instrument panel when this device is activated. Press switch A again to turn the lights off.

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

Emergency braking

(for versions/markets where provided)

In the event of emergency braking the hazard warning lights come on automatically, as do the  and  warning lights in the panel. The function switches off automatically when the nature of the braking changes. This function complies with the relevant legislation currently in force.

FOG LIGHTS

(for versions/markets, where provided)

To turn the lights on, press the  button with the side lights on fig. 79. The  warning light on the panel switches on.

Press the button again to turn the lights off.

The use of fog lights is governed by the Highway Code of the country you are in. Comply with legal requirements.

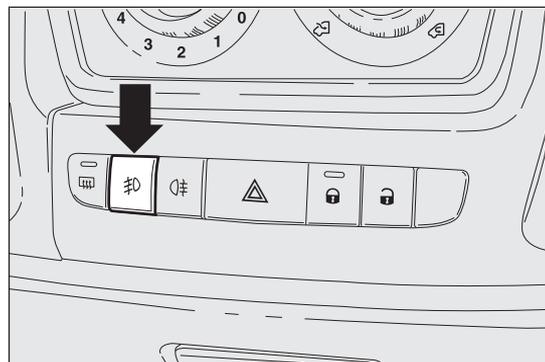


fig. 79

F0N0045

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REAR FOG LIGHT

These lights come on, with the dipped headlights on or with the side lights and fog lights on (for versions/markets, where provided) by pressing the  button fig. 80. The  warning light on the panel switches on. Press the button again to turn the lights off, or turn off the dipped beams and/or the front fog lights (where provided). The use of rear fog lamps is governed by the Highway Code of the country you are in. Comply with legal requirements.

PARKING LIGHTS

These lights can only be turned on with ignition key in STOP position or removed, by moving the left stalk ring nut first to position  and then to position  or . The  warning light will come on in the instrument panel.

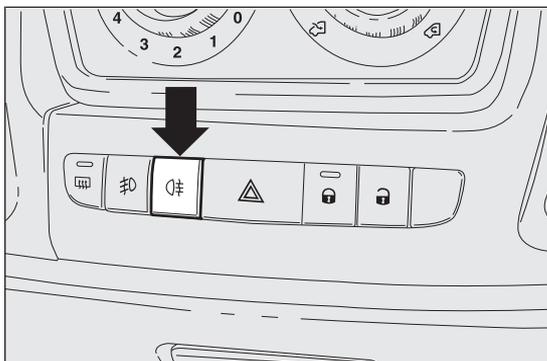


fig. 80

F0N0046

HEATED REAR WINDOW

(for versions/markets, where provided)

Press button A fig. 81 to activate. The device will be switched off automatically after approximately 20 minutes.

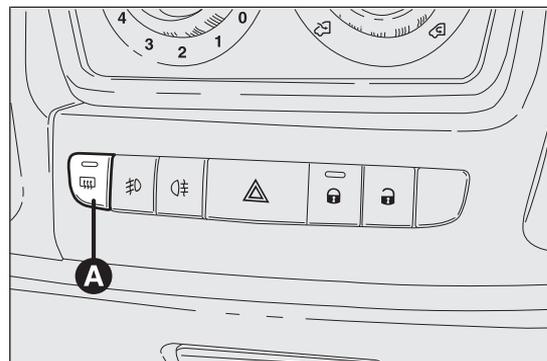


fig. 81

F0N0043

BATTERY DISCONNECTION FUNCTION (DISCONNECTOR)

(for versions/markets, where provided)

The battery disconnection function is enabled with the ignition key in the BATT position, as illustrated on the dedicated plate located in the area illustrated in fig. 82.

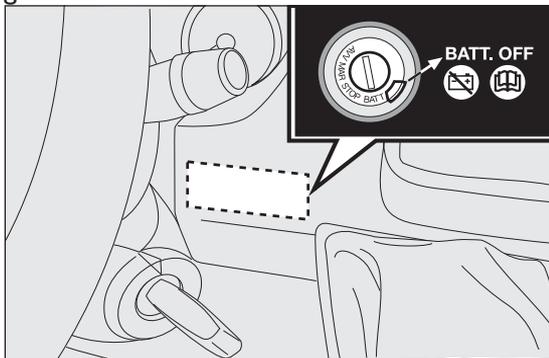


fig. 82

F0N0811

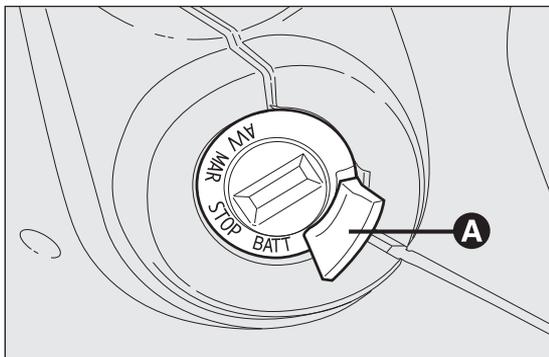


fig. 83

F0N0810

To turn the ignition key to BATT position, press button A (red) fig. 83.

The battery will be disconnected, by interrupting the earth lead, about 45 seconds after the key is turned to the BATT position.

This 45 second period is necessary to:

- allow the driver to get out of the vehicle and lock the doors using the remote control;
- guarantee that all the vehicle electrical systems have been deactivated.

With the battery disconnected, access to the vehicle will only be possible by unlocking the driver's door using the mechanical lock.

To restore the battery connection, insert the ignition key and turn it to MAR-ON; the vehicle can be started normally at this point.

If the battery is disconnected, it may be necessary to set certain electrical devices again (e.g. clock, date, etc.).

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CENTRAL LOCKING

To lock all doors at the same time, press button A fig. 84, located on the centre console control panel, regardless of the position of the ignition key.

Press button B fig. 84 to release the doors.

The electric window panel features a button D fig. 85 which independently unlocks/locks the load compartment.

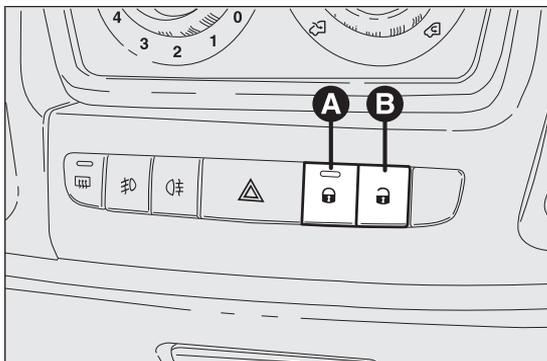


fig. 84

F0N0047

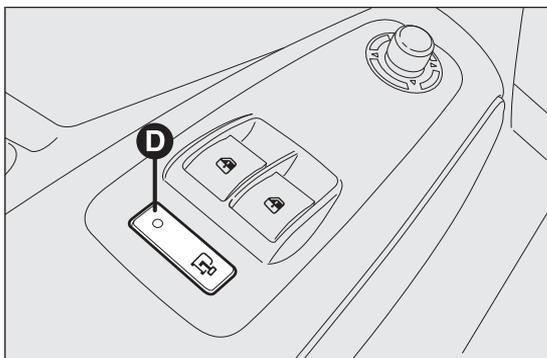


fig. 85

F0N0132

ELECTRICAL POWER SUPPLY AND FUEL CUT-OFF SWITCH

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

When the inertia switch cuts in, this cuts off the fuel supply and also activates the hazard warning lights, side lights and roof lights while releasing all the doors and displaying a message; they are deactivated by pressing button A. An additional safety switch is also present that is activated in the event of impact to cut off the electrical supply. In this way, fuel is prevented from escaping if the pipes are broken to stop the formation of sparks or electrical discharges following damage to the vehicle electrical components.

IMPORTANT After an accident, remember to remove the key from the ignition device to avoid draining the battery. If no fuel leaks or damage to vehicle electrical devices (e.g. headlights) are detected after the impact and the vehicle is able to set off again, reactivate the automatic fuel cut off and electrical supply switches (for versions/markets where provided) following the procedure described below.



WARNING

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

Reactivating the fuel cut-off switch

Press button A to reactivate the fuel cut-off switchfig. 86.

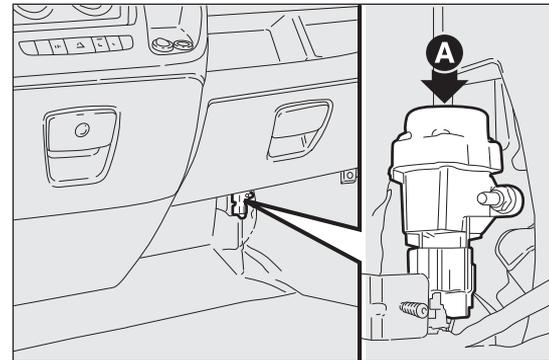


fig. 86

F0N0048

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Reactivating the electrical supply cut-off switch (School bus/Minibus)

The switch is located on the positive battery terminal fig. 87.

To reactivate the electrical supply switch, proceed as follows:

- press button A to reset the fuel cut-off switch;
- press button B to reset the electrical supply switch.



WARNING

Before reactivating the electrical supply switch, carefully check for fuel leaks or damage to the vehicle's electrical devices (e.g. headlights).

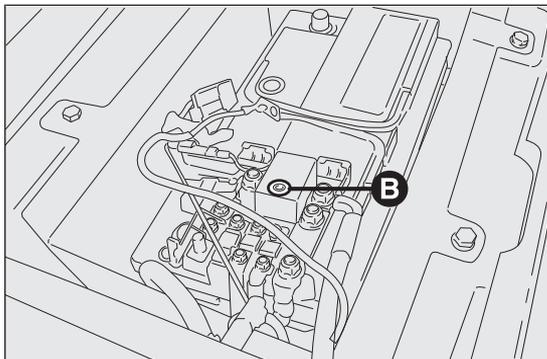


fig. 87

F0N0127



WARNING

Before reactivating the fuel cut-off switch, carefully check for fuel leaks or damage to the vehicle's electrical devices (e.g. headlights).

IMPORTANT On versions other than School bus/Minibus, button B is replaced by a dedicated fuse; to replace it contact a Fiat Dealership

INTERIOR FITTINGS

UPPER STORAGE COMPARTMENT - REFRIGERATED COMPARTMENT

(for versions/markets, where provided)

To use, lift the flap as shown in fig. 88.

If air conditioned, the compartment, equipped with a bottle holder, may be cooled/heated by means of an outlet connected to the climate control system.

GLOVE COMPARTMENT

To open the glove compartment, operate the opening handle A fig. 89.

GLOVE COMPARTMENT WITH LOCK

Turn the key clockwise/anticlockwise to lock/unlock the lock fig. 90.

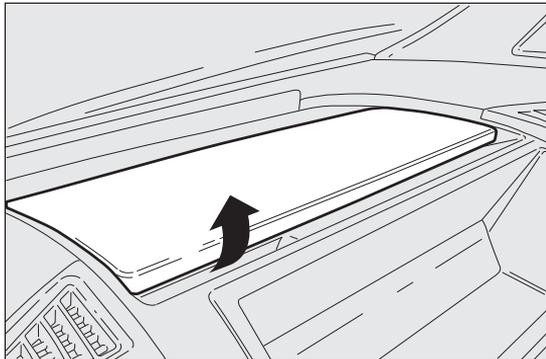


fig. 88

F0N0049

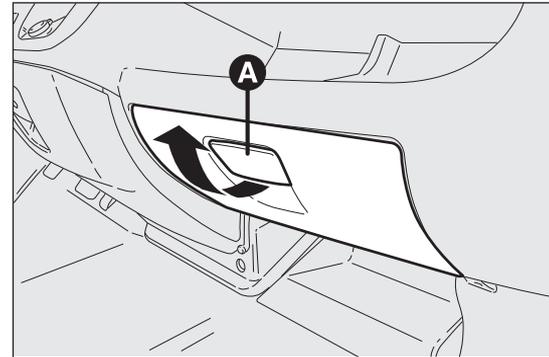


fig. 89

F0N0050

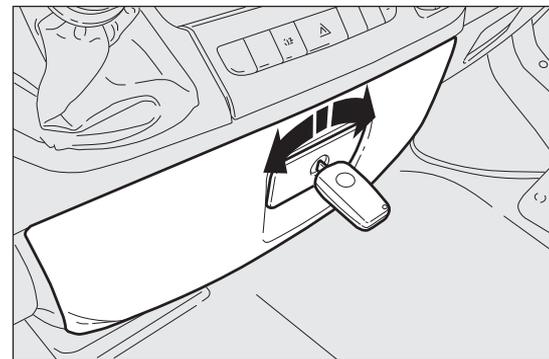


fig. 90

F0N0051

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GLOVE COMPARTMENT

Compartment A fig. 91 is located in the middle of the dashboard.

Compartment B fig. 92 is located on the right of the dashboard above the glove compartment.

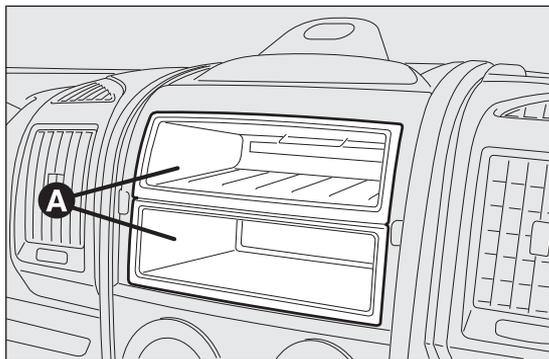


fig. 91

F0N0511

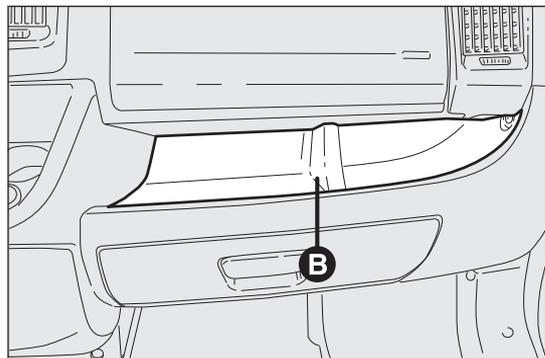


fig. 92

F0N0053

DOOR POCKETS

There are oddment/document pockets located in each of the door panels fig. 94.

COMPARTMENT BENEATH PASSENGER SIDE FRONT SEAT

Proceed as follows to use the compartment:

- Open the flap A fig. 95 and remove it as illustrated;
- turn the lock knob B anticlockwise and remove it to allow the removal of the compartment.

REAR PARTITION

The vehicle may be equipped with a solid rear partition or with a sliding glass partition.

To open/close the sliding glass partition use the knob A fig. 96.

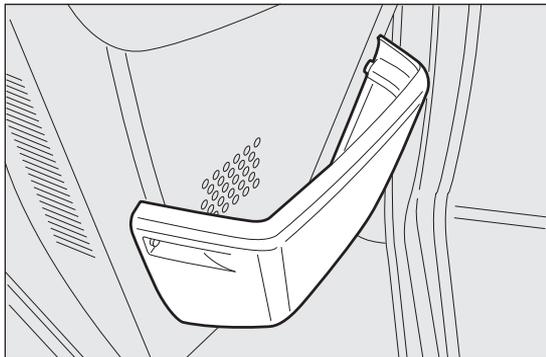


fig. 94

F0N0128

Certain outfits are equipped with a protective grille on the window of the partition inside the load compartment.

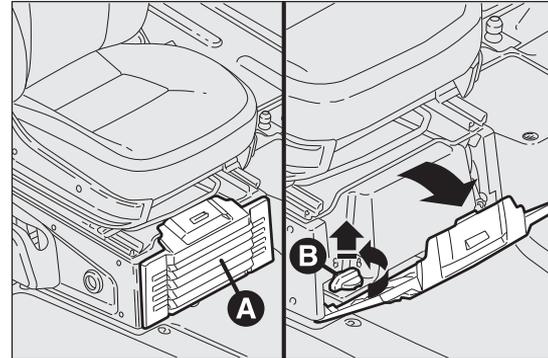


fig. 95

F0N0134

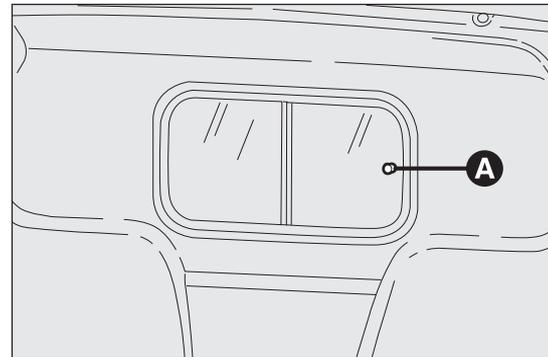


fig. 96

F0N0218

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CUP HOLDER - CAN HOLDER

The cup/can holder is located in the centre of the dashboard fig. 97.

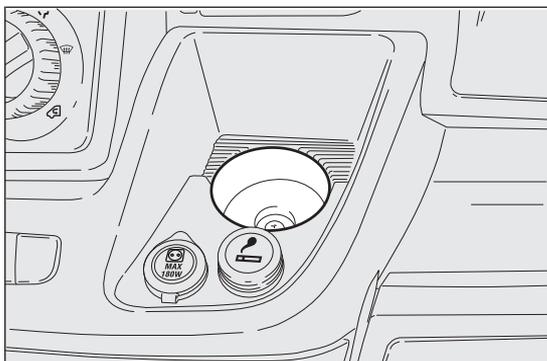


fig. 97

F0N0054

CIGAR LIGHTER

It is located in the centre of the dashboard fig. 98.

Press button on the cigar lighter to switch it on when the ignition key is turned to MAR-ON.

After about 15 seconds the button will return to its original position automatically and the cigar lighter is ready for use.

IMPORTANT Always check that the cigar lighter is switched off.



WARNING

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

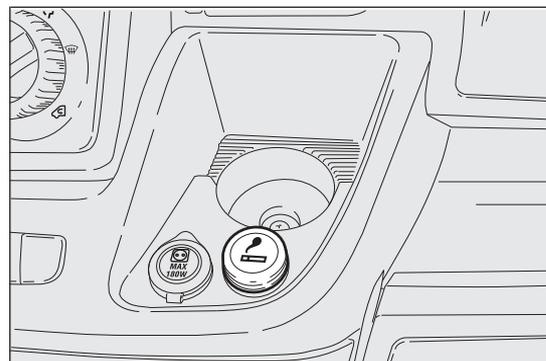


fig. 98

F0N0055

ASHTRAY

The ashtray is a removable plastic container fig. 99 that can be fitted in the cup/can holders in the centre of the dashboard.

IMPORTANT Do not use the ashtray as a waste paper basket at the same time: fire hazard.

SUN VISORS

These are located at the sides of the rear-view mirror fig. 100.

They may be positioned at the front and at the side.

A vanity mirror is fitted on the passenger side sun visor on all versions.

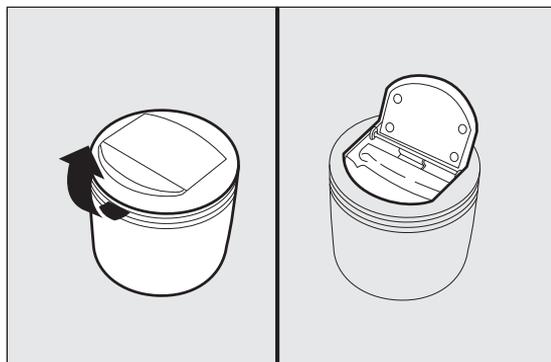


fig. 99

F0N0146

POWER SOCKET

(for versions/markets, where provided)

The cigar lighter and the power socket are located in the centre console.

To use it, open cover A fig. 101.

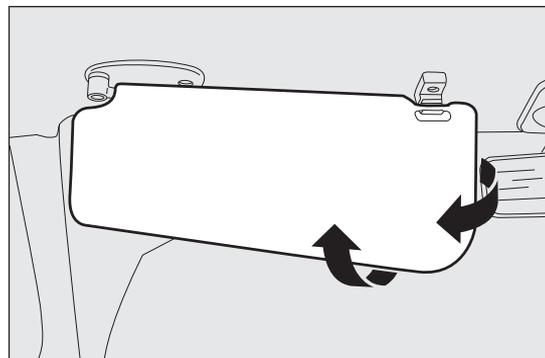


fig. 100

F0N0056

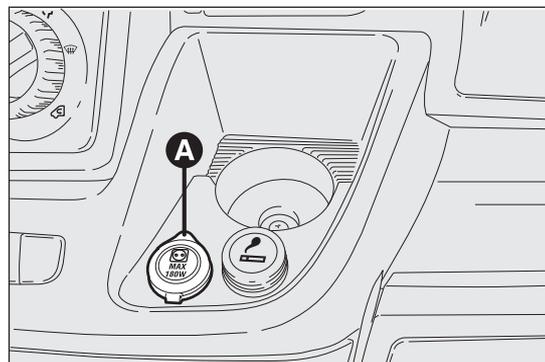


fig. 101

F0N0057

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DESK/BOOK REST

(for versions/markets, where provided)

There is a desk A fig. 102 in the centre of the dashboard above the radio compartment; on some versions this desk can be used as a book rest by raising the back section and resting it on the dashboard as illustrated in the figure.

On versions with passenger side air bags, the desk is fixed.



WARNING

Do not use the desk in vertical position with the vehicle in motion.

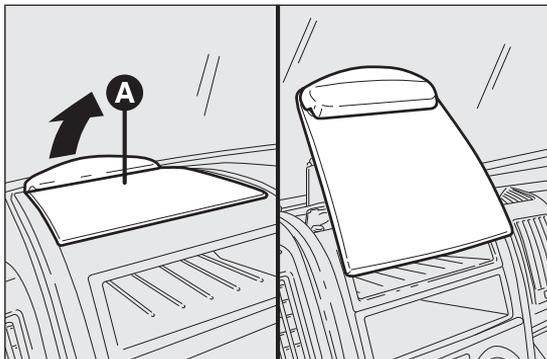


fig. 102

F0N0058

SHELF ABOVE THE CAB

(for versions/markets, where provided)

This is located above the driver's cab fig. 103 and is designed to store light objects.

Maximum permitted load:

- localised : 10 kg
- distributed over the entire surface of the shelf: 20 kg

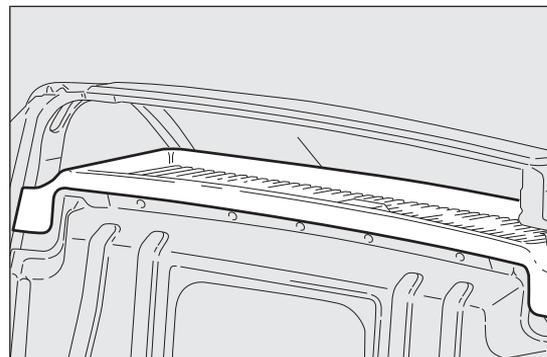


fig. 103

F0N0190

CAB GLOVE COMPARTMENT (CAPUCINE)

(for versions/markets, where provided)

This is fitted above the sun visors fig. 104 and is designed for quick and easy storage of light objects (e.g. documents, road maps etc.).

FLAP ON BENCH

(for versions/markets, where provided)

To use, pull tab A fig. 105 and lower the flap. The flap is equipped with two cup holders and a support surface with a paper holder clip.

PORTABLE NAVIGATOR SOCKET

(for versions/markets, where provided)

It is located in the area of the dashboard as illustrated in fig. 106 for connecting the portable navigator.

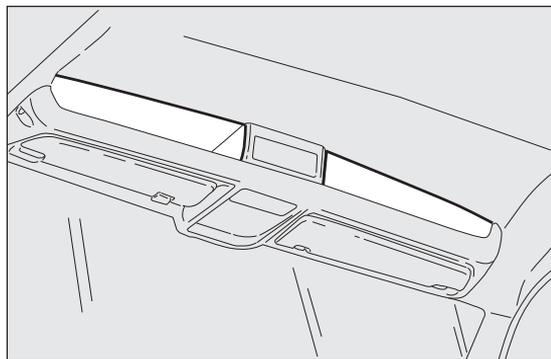


fig. 104

F0N0191



Portable navigators to be fitted in the housing in fig. 106 have a mechanical release device activated by pressing the two side buttons on the stem. Failure to operate the release may damage the navigator housing.

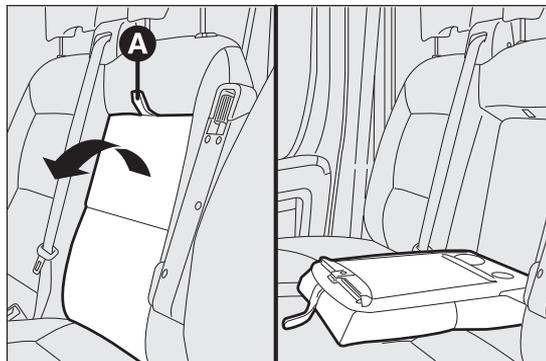


fig. 105

F0N0149

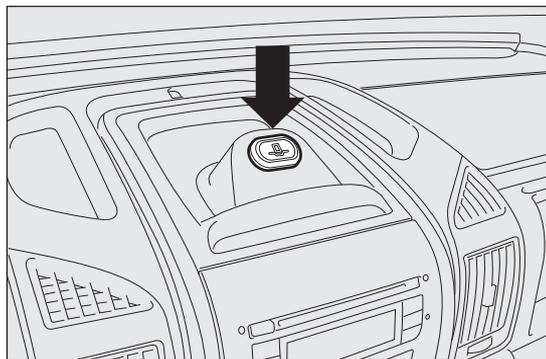


fig. 106

F0N0512

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CAMERA AND DISPLAY FOR REAR VISIBILITY

(for versions/markets, where provided)

The parking camera system fig. 107 offers the driver a view of the situation behind the vehicle by means of a display A fig. 108 in the passenger compartment.

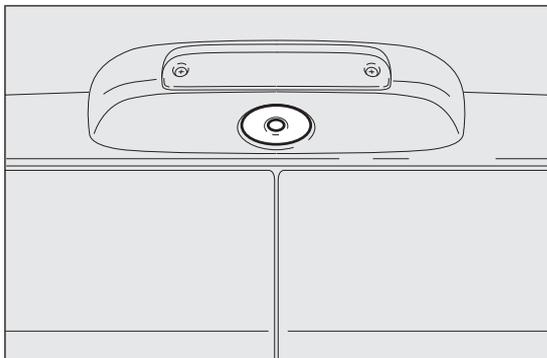


fig. 107

F0N0217

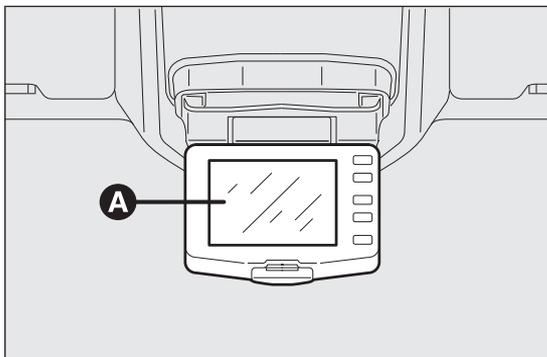


fig. 108

F0N0214

The system consists of a camera installed in a plastic casing on the rear roof crossmember, which also includes a third brake light and a display in a plastic casing housed in the upper glove compartment console area.

The display has buttons (On/Off, brightness, backlight); to use them, operate the release button and move to the open position.

The rear view display is adjusted in mirror mode. When not in use, it must be closed in the upper oddments compartment console area.

ACTIVATION

The system is activated with the ignition on and reverse engaged or by means of a dedicated button. If the vehicle is in motion, e.g. during a reversing manoeuvre, the system will operate up to a speed of approximately 15 km/h and go off when a speed of approximately 18 km/h is exceeded.

When reverse is deactivated, the image will appear on the display for a further 5 seconds.

GENERAL WARNINGS

Area of visibility

The area of visibility may vary according to the vehicle position (full load condition included), according to the vehicle specification and according to weather conditions (high brightness, rain, snow and fog). Visibility may be reduced during poor lighting or full load conditions.

The maximum cover area of the camera is around 3 m in length and about 5.5 m in width fig. 109.

Important usage information

To clean the camera, it is advisable to use a non-abrasive cloth when the protective glass is dirty or iced over (on the outside). It is absolutely necessary to avoid using any tool for cleaning as this could scratch the glass.

It is also advisable to use a dry non-abrasive cloth when cleaning the display. The dust that settles on the display may be removed with special brushes. Avoid using any detergent for cleaning.

The display glass could break in the event of impact. In this case, do not touch the liquid crystal that emerges from the display. If this occurs, quickly wash the contaminated parts with soap and water.

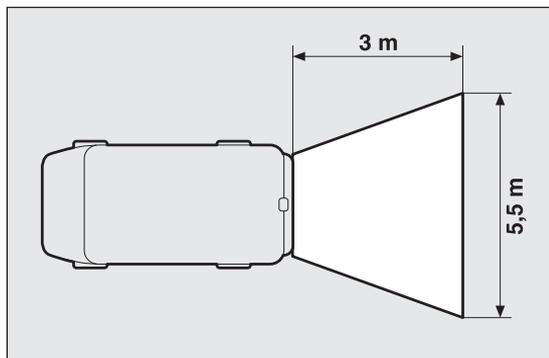


fig. 109

F0N0215

USER INTERFACE

The display user interface consists of fig. 110:

- Brightness adjustment: 2 buttons;
- Backlight adjustment: 2 buttons;
- ON/OFF button: this allows images from the camera to be seen even with reverse gear not engaged.

The system makes it possible to return to the initial configuration, keeping the ON/OFF button pressed for approximately 3 seconds with the system deactivated. In this case, the ON/OFF key flashes twice to confirm the operation.

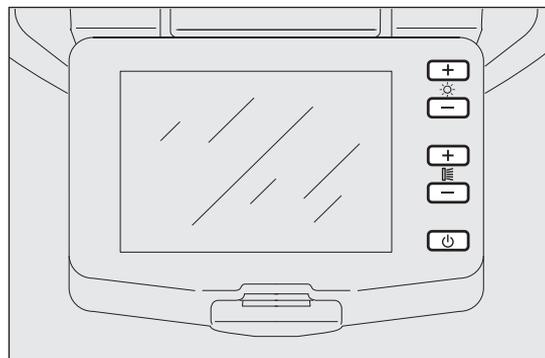


fig. 110

F0N0216

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MESSAGES ON THE SCREEN

Messages are shown on the display under the following conditions:

- An alert message is displayed during the 5 seconds following reverse engagement.
- When a speed of approximately 18 km/h is exceeded and only the activation button is ON, the image disappears and a message reporting that the system has gone into stand-by mode is displayed for approximately 5 seconds.
- When a speed of approximately 18 km/h is exceeded and reverse gear is engaged, the image disappears and an alert message is displayed that remains until the speed drops to approximately 15 km/h. In this case, the image is displayed again.

The system makes it possible to change the language in which the text messages are displayed. For this selection, with the system deactivated, press the ON/OFF button and any other button simultaneously and then select the language by scrolling through the menu using the ON/OFF button.

When the desired language is reached, wait for about 3 seconds so that it is stored.

TACHOGRAPH

For tachograph operation and use, consult the owner handbook supplied by the device manufacturer. The tachograph must be installed on the vehicle when the vehicle weight (with or without trailer) exceeds 3.5 tons.

IMPORTANT Anyone making changes to the monitoring device or signal transmission system that affects recording by the monitoring instrument, particularly if this is done for purposes of fraud, may be in breach of criminal or administrative state regulations.

IMPORTANT If a tachograph is fitted, if the vehicle is parked for more than 5 days, it is advisable to disconnect the negative battery terminal to maintain its charge.

IMPORTANT

Do not use abrasive detergents or solvents to clean the device. To clean the outside of the device, use a damp cloth or special products for the care of synthetic materials.

The tachograph is installed and sealed by authorised personnel: do not try and access the device or the supply and recording leads in any way. It is the responsibility of the owner of the vehicle on which the tachograph is installed to check the device regularly.

The check must be carried out at least every two years and a test must be carried out to ensure that it is working properly. Ensure that the data label is renewed after every check and that the label contains the specified data.

SPEED BLOCK

(for versions/markets, where provided)

The vehicle is equipped with a function that limits the speed that can be set, when requested by the user, to one of 4 preset values: 90, 100, 110 or 130 km/h.

This function must be activated/deactivated through a Fiat Dealership.

Following the operation, a sticker will be applied to the windscreen showing the maximum speed setting.

WARNING The speedometer could indicate a higher maximum speed than the effective one, set by the Dealership, in accordance with the regulations in force.

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SELF-LEVELLING AIR SUSPENSION

GENERAL INFORMATION

The system only acts on the rear wheels.

The system maintains the rear ride setting for the vehicle constant in any loading condition, while ensuring a greater driving comfort. In addition, the system allows the height of the vehicle to be adjusted with the vehicle stationary, by selecting from 7 different positions to facilitate access to the rear compartment.

HEIGHT ADJUSTMENT

There are 7 pre-defined levels for the free height from the ground: from “ride -3” to “ride 0” till “ride +3”.

The multifunction display, located in the middle of the instrument panel, can show the ride position.

Automatic adjustment

When moving, the system automatically shows that the vehicle is in 'ride setting 0' and keeps it constant.

During the adjustment the LED located on the button (A or B fig. 111) corresponding to the direction of travel, flashes.

Manual adjustment

With the vehicle stationary and the engine on or off, the desired height level can be set.

Manual adjustment is only available for a limited number of times with the engine switched off.



Before manually adjusting with doors open, make sure there is enough space around the vehicle for this kind of operation.

Pressing button A, for less than 1 second, selects the next level up. Keeping button A pressed, for more than 1 second, selects the maximum level directly: “ride +3”.

Pressing button B, for less than 1 second, selects the next level down. Keeping button B pressed, for more than 1 second, selects the minimum level directly: “ride -3”.

During the adjustment the LED located on the button (A or B) corresponding to the direction of travel, flashes.

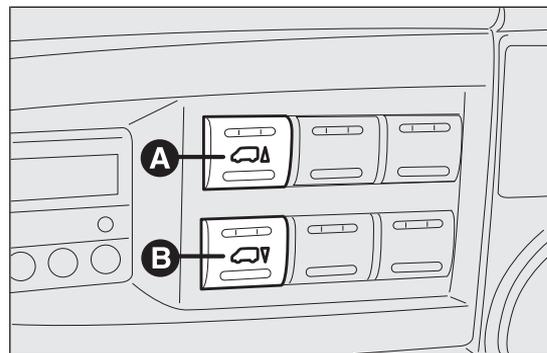


fig. 111

F0N0677

If, after selecting a button, the LED remains lit up (for about 5 seconds) rather than flashing, this means that the adjustment is temporarily unavailable.

Possible causes may be as follows:

- insufficient air reserve: the function is restored by starting the engine;
- the system has reached a threshold working temperature: wait a few minutes to let it cool down before operating the buttons again.

The level selected with the vehicle stationary is maintained up to a speed of about 20 km/h; when this speed is exceeded, the system will automatically restore the normal level: “ride 0”.

DOORS

DOOR CENTRAL LOCKING/UNLOCKING

Locking from the outside

With the doors shut, press button  on the remote control fig. 112 - fig. 113 or insert the metal insert A in the lock of the door on the driver's side and turn it clockwise. The doors will only be locked if all doors are shut.

To extract the metal insert, press button B.

If one or more of the doors is open after the button  on the remote control is pressed, the direction indicators and the LED in the button fig. 115 will flash quickly for about 3 seconds. Buttons A and B fig. 115 are disabled with the function active.

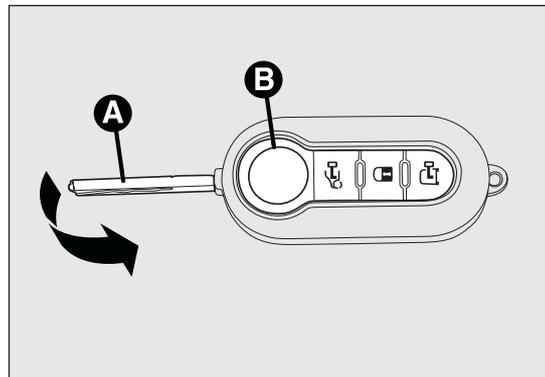


fig. 112

F0N0800

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Pressing button **1** on the remote control twice in quick succession activates the dead lock device (see "Dead lock").

Door unlocking from the outside

Briefly press button **2** fig. 112 or **1** fig. 113, according to the version, to remotely unlock the front doors, switch on the roof lights in a timed manner and flash the direction indicators.

Turn the key anticlockwise in the driver's door fig. 114 to unlock all the doors. With the battery disconnected, access to the vehicle will only be possible by unlocking the driver's door using the mechanical lock.

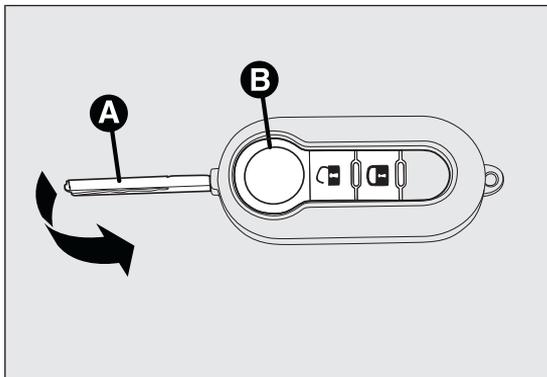


fig. 113

F0N0801

Door locking/unlocking from the inside

Press the button **A** fig. 115 to lock the doors, press button **B** to unlock the doors. The locking/unlocking actions take place centrally (front and rear).

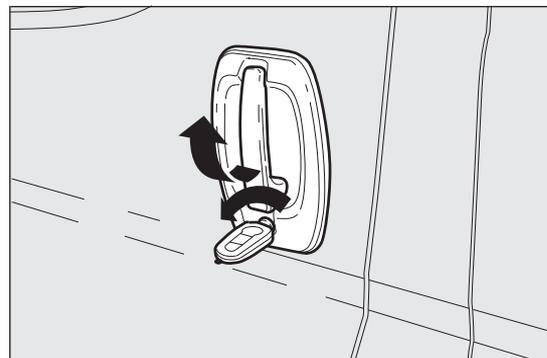


fig. 114

F0N0059

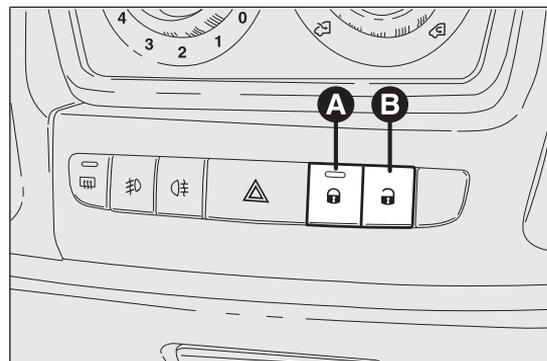


fig. 115

F0N0047

When the doors are locked, the LED in the button A is on and pressing button B brings about central unlocking of all the doors and turns off the warning light. When the doors are unlocked, the LED is off and pressing the button brings about central locking of all the doors. The doors will be locked only if all the doors are properly shut.

Following the locking of the doors using:

- remote control
- door pawl

they cannot be unlocked using the button A fig. 115 in the dashboard.

IMPORTANT With the central locking on, pulling the opening lever for one of the front doors causes the central locking to be switched off. Individual doors can be unlocked by pulling the opening handle of one of the rear doors.

In the absence of electrical power supply (blown fuse, battery disconnected, etc.) it is still possible to lock the doors manually.

After exceeding 20 km/h, all the doors will be locked automatically if the setup menu function has been selected (see “Multifunction display” paragraph in this section).

LOAD COMPARTMENT BUTTON

Lock activation is indicated by the LED in the button. The LED comes on in the following cases:

- after each door lock command generated by the button D fig. 116 or by button  in the dashboard;
- when the instrument panel is activated;
- upon opening of one of the front doors;
- when the door is locked at 20 km/h (if activated from the menu).

The lock is turned off when one of the load compartment doors is opened or on a door release request (load compartment or centralised) or an unlocking request from the remote control/door catch.

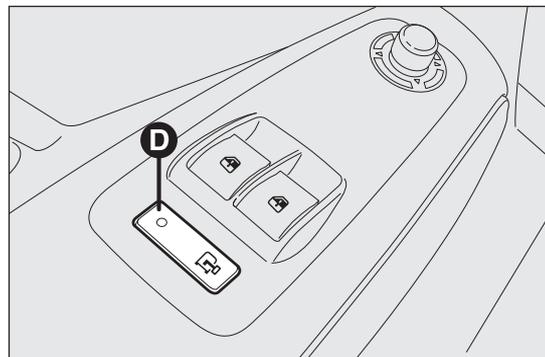


fig. 116

F0N0132

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DEAD LOCK

(for versions/markets, where provided)

This safety device inhibits the operation of:

interior handles

buttons A-B fig. 115 for locking/unlocking

thereby preventing the opening of the doors from inside the passenger compartment if there has been a break-in attempt (e.g. a window has been broken).

The dead lock device therefore offers the best possible protection against break-in attempts. We recommend engaging it whenever the vehicle is parked and left unattended.



WARNING

Once the dead lock system is engaged it is impossible to open the doors from inside the vehicle. Therefore, before engaging the system check that there is no one left inside. If the remote control battery is flat, the system can be disengaged only by inserting the key in either of the door locks as described previously: in this case the device remains active only for the rear doors.

Device activation

The dead lock device is automatically activated on every door with two short presses on the button  on the key with remote control fig. 112.

Device activation is indicated by 3 flashes of the direction indicators and a flash of the LED on button A fig. 115 on the dashboard.

If one or more of the doors is not perfectly shut, the dead lock device will not be activated, thus preventing a person getting into the vehicle through the open door and, on shutting, it, remaining stuck inside the passenger compartment.

Device deactivation

The system is disabled automatically on every door in the following cases:

- if the mechanical key is turned to the opening position in the driver's door;
- by unlocking the doors using the remote control;
- by turning the ignition key to the MAR-ON position.

SLIDING SIDE DOOR



WARNING

Before leaving the vehicle parked with sliding doors open, always check that the latch is engaged.



WARNING

Do not move the vehicle with side doors open.

To open the sliding side door, lift handle A fig. 117 and slide the door open.

The sliding side door is equipped with a stop that prevents it sliding beyond the end of its travel when opening.

To close, operate the exterior handle A (or the corresponding interior handle) and push to close.

In any case, make sure that the door is correctly hooked to the device which keeps the door fully open.

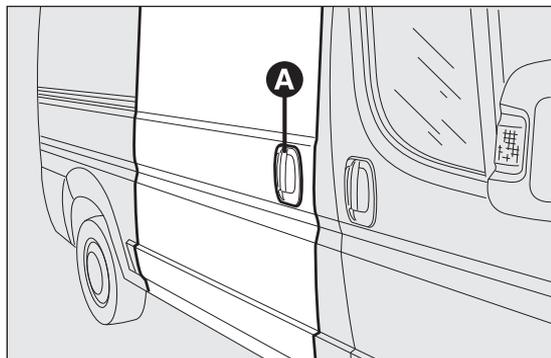


fig. 117

F0N0061

SLIDING SIDE WINDOW

(for versions/markets, where provided)

To open, keep the two handles B fig. 118 pressed toward one another and slide the window.

When the two handles are released, the sliding glass may stop in intermediate positions.

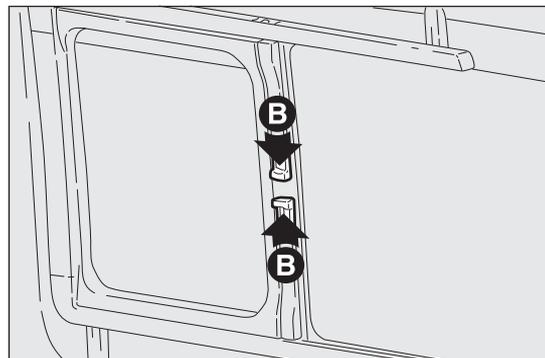


fig. 118

F0N0240

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MOVING FOOTBOARD

(for versions/markets, where provided)

When the side door of the passenger compartment or luggage compartment is opened, a footboard fig. 119 emerges from the lower part of the floorpan to make it easier to get on board the vehicle.



WARNING

Before setting off after parking or before moving the vehicle in any way, ensure that the footboard is fully stowed away. As the movement of the platform is linked to that of the sliding side door, the warning light in the instrument panel comes on if it is not fully retracted in the same way as when the rear doors are not shut.

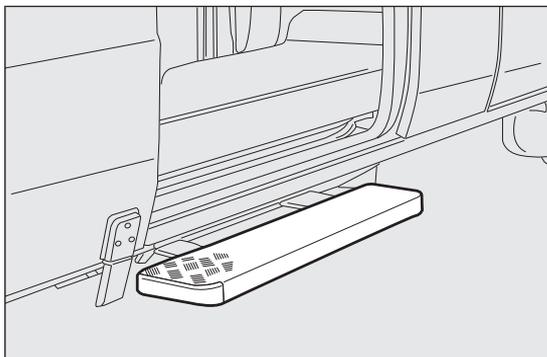


fig. 119

F0N0176

REAR DOOR WITH TWO WINGS

Manual opening of the first swing door from the outside

Turn the key anticlockwise fig. 114 or press the  button on the remote control and turn handle A fig. 120 in the direction of the arrow.

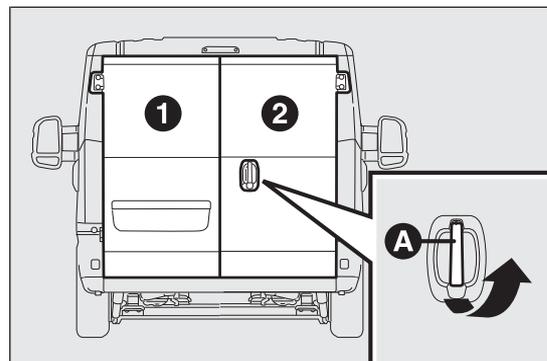


fig. 120

F0N0129

Manual opening of the first swing door from the inside

(for versions/markets, where provided)

Pull handle B fig. 121 in the direction of the arrow.

Manual closure of the first swing door from the outside

Turn the key clockwise or press the  button on the key with remote control. Close the left door first, followed by the right door.

Manual opening of the second swing door

Pull handle C fig. 122 in the direction of the arrow.

The rear swing doors are equipped with a spring loaded system that stops them at an angle of about 90 degrees during opening.

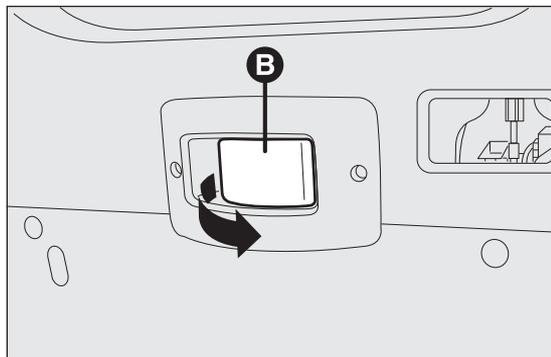


fig. 121

F0N0130

Electrical closure from inside

Close the two rear swing doors (first the left, then the right) and press button D fig. 123 located on the window control panel.

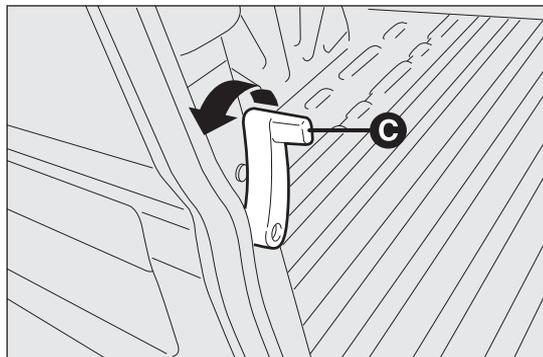


fig. 122

F0N0131

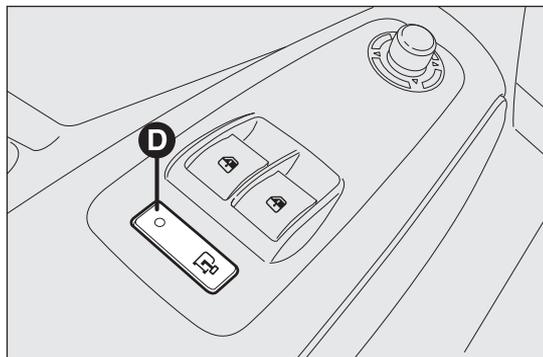


fig. 123

F0N0132

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The opening angle of the two doors may be increased for more convenient loading and unloading. To carry out this operation, press button A fig. 124; the doors can then be opened by about 180 degrees.



WARNING

This spring loaded system has activation forces that were designed for optimum comfort. Accidental knocks or a strong gust of wind may release the springs and close the doors spontaneously.



WARNING

With the doors opened to 180 degrees, no locking system is effective. Do not use this opening with the vehicle parked on a gradient or when it is windy.

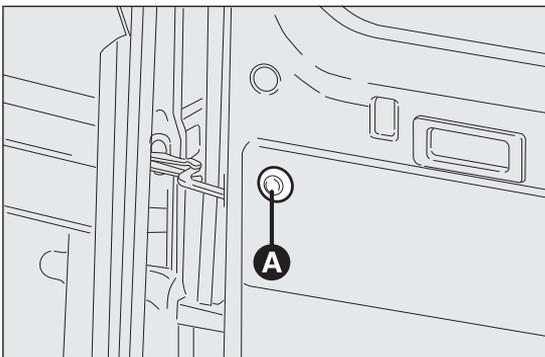


fig. 124

F0N0188

ELECTRIC WINDOWS

ELECTRIC

Switches fig. 125 on the inner armrest of the driver's door control the following with the ignition key in MAR-ON position:

- A: to open/close the left front window;
- B: right front window opening/closing.

Continuous automatic operation

All versions are equipped with automatic raising and lowering of the front, driver's side window.

Keep one of the buttons held down for longer than half a second to activate automatic continuous window operation. The window will stop when it is fully opened or closed, or when the button is pressed again.

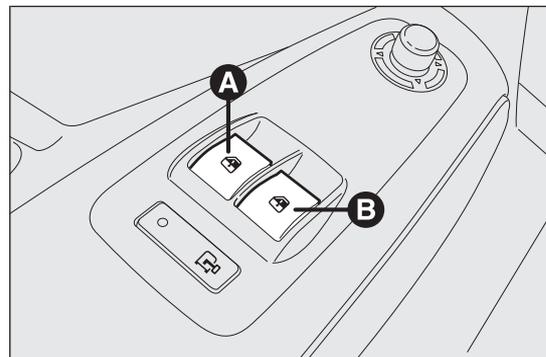


fig. 125

F0N0062

IMPORTANT With the ignition key in the STOP position or extracted, the electric windows remain activated for about 3 minutes and are deactivated immediately when one of the doors is opened.



WARNING

Improper use of the electric windows can 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 or by being hit. When leaving the vehicle, always remove the key from the ignition to avoid the risk of injury to anyone remaining in the car due to accidental operation of the electric windows.

Front passenger side door

A dedicated switch for operating the window is located on the inner armrest of the passenger side front door.

BONNET

OPENING

Proceed as follows:

- open the driver's door to gain access to the bonnet release;
- pull the lever fig. 126 in the direction indicated by the arrow;
- pull lever A fig. 127 as shown in the figure;
- lift the bonnet and, at the same time, release the bonnet stay fig. 128 from its locking device D, then insert the end fig. 129 of the bonnet stay into the housing E.

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

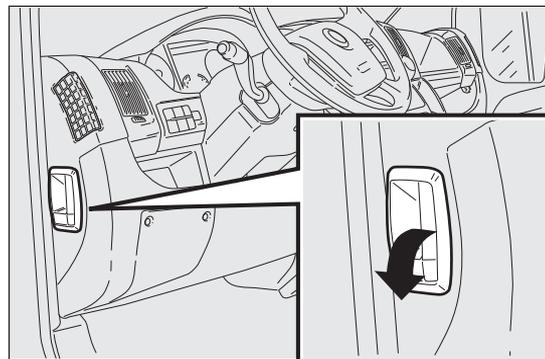


fig. 126

F0N0063

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CLOSING

Proceed as follows:

- hold the bonnet up with one hand and with the other remove the stay C fig. 129 from the housing E and fit it back in its locking device D fig. 128;
- lower the bonnet to approximately 20 centimetres from the engine compartment and let it drop. Make sure that the bonnet is completely closed and not only fastened by the safety catch by trying to open it. If it is not perfectly closed, do not try to press the bonnet lid down but open it and repeat the procedure.

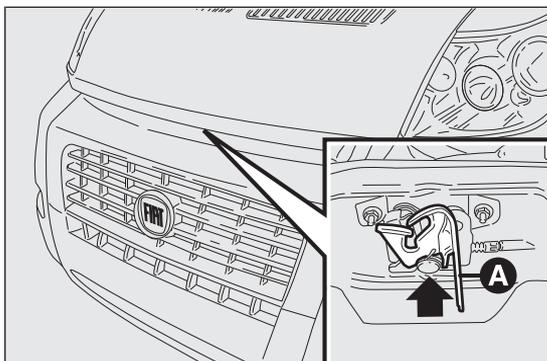


fig. 127

F0N0323

IMPORTANT Always check that the bonnet is closed correctly to avoid it opening while the car is travelling.

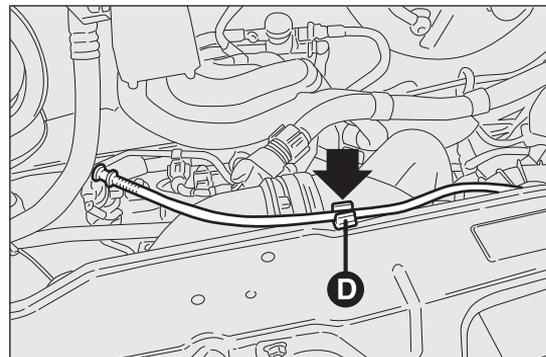


fig. 128

F0N0065

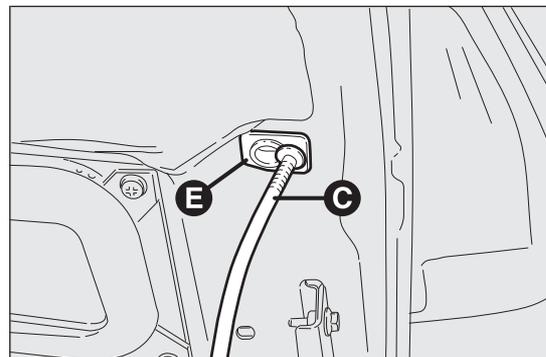


fig. 129

F0N0066



WARNING

The bonnet must always be perfectly closed while travelling for safety reasons. Therefore, always check that the hood has been correctly closed and that the lock has been engaged. If you notice when driving that the hood has not been properly locked, stop immediately and close the hood correctly.



WARNING

The bonnet may drop suddenly if the supporting rod is not positioned correctly.



WARNING

Perform these operations only when the vehicle is stationary.

ROOF RACK/SKI RACK

To fit the roof/ski rack, with provision for versions H1 and H2, use the pins A provided on the edges of the roof fig. 130.

Long wheelbase vehicles are equipped with 8 pins; short or medium wheelbase vehicles are equipped with 6 pins; vehicles with extra-long wheelbases are equipped with 10 pins.



WARNING

Check that the attachment fixing screws are tight after a few kilometres.



Fully comply with the regulations in force concerning maximum clearance.

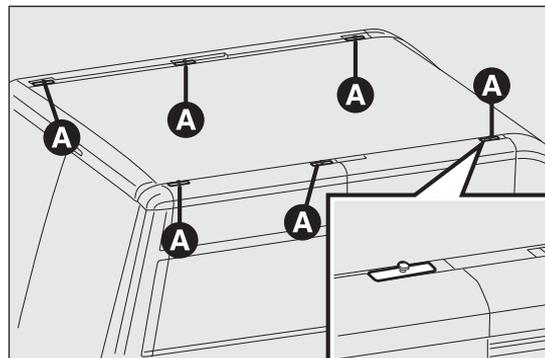


fig. 130

F0N0138

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



WARNING

Evenly distribute the load and take into account, when driving, the increased responsiveness of the vehicle to side wind.



Never exceed the maximum permitted loads (see chapter "Technical specifications").

HEADLIGHTS

LIGHT BEAM DIRECTION

The correct direction of the headlights is essential for the comfort and safety of the driver and other road users. To ensure the best visibility when travelling with the headlights on, the headlight alignment must be correct. Contact a Fiat Dealership to have the headlights checked and adjusted.

HEADLIGHT ALIGNMENT CORRECTOR

This device works with the ignition key in the MAR-ON position and the dipped headlights on.

The vehicle tilts backwards when it is laden, raising the beam.

The beams must therefore be realigned in this case.

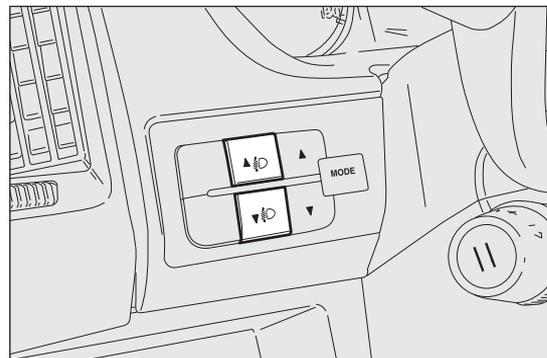


fig. 131

F0N0516

Headlight alignment adjustment

Press  or  on the control panel fig. 131.

The instrument panel display shows the position in relation to the adjustment set.

IMPORTANT Check the alignment of the light beams each time the weight of the load transported changes.

FOG LIGHT ALIGNMENT

(for versions/markets, where provided)

Contact a Fiat Dealership to have the headlights checked and adjusted.

ADJUSTING THE HEADLIGHTS WHEN ABROAD

The dipped headlights are directed for operation in the country where the vehicle was originally purchased. When in countries where you drive on the other side of the road, you need to alter the beam direction by affixing a specially designed self-adhesive film in order not to dazzle the vehicles travelling in the opposite direction. Such film is provided by Lineaccessori Fiat and is available at Fiat Dealerships.

ABS SYSTEM

If you have never driven a vehicle with ABS before, it is advisable to perform a few tests on slippery surface, always in safe conditions and fully complying with the Highway Code of the country where you are driving. Read the following information carefully.

This is an integral part of the braking system, which prevents one or more wheels from locking or slipping regardless of the road surface conditions and braking intensity, ensuring control of the vehicle even during emergency braking.

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

IMPORTANT To 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.

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: it means that the car speed should be altered to suit the type of road surface.

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MECHANICAL BRAKE ASSIST (emergency braking assistance)

(for versions/markets, where provided)

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

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

**WARNING**

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

**WARNING**

If the ABS system is activated, this indicates that the traction of the tires on the road is nearing its limit. You must slow down to a speed compatible with the available wheel traction.

**WARNING**

The ABS gets the most from the available grip, but it cannot improve it; you should therefore take every care when driving on slippery surfaces and not take unnecessary risks.

FAULT INDICATIONS**ABS failure**

This is indicated by the  warning light on the instrument panel switching on together with the dedicated message on the display (for versions/markets, where provided) (see “Warning lights and messages” section).

In the case, the braking system will work as normal without the extra capacity offered by the ABS system. Drive carefully to the nearest Fiat Dealership to have the system checked.

EBD failure

This is indicated by the  and  warning lights on the instrument panel switching on together with the dedicated message on the display (for versions/markets, where provided) (see “Warning lights and messages” section).

In this case, the rear wheels may suddenly lock and the vehicle may swerve when braking sharply. Drive carefully to the nearest Fiat Dealership to have the system checked.



WARNING

If only the  warning light switches on on the instrument panel (with a message on the multifunction display on some versions), stop the car immediately and contact the nearest Fiat Dealership. Fluid leaking from the hydraulic system will compromise the operation of the braking system, whether it is of the conventional type or with ABS.

ESP SYSTEM (Electronic Stability Program)

(for versions/markets, where provided)

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

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

The MSR system (adjustment of the engine braking torque during gear changes) and the HBA system (automatic increase in the braking pressure during emergency braking) are present with ESP, ASR and Hill Holder systems (for versions/markets where provided).

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 ESP system is automatically activated when the vehicle is started and cannot be deactivated.

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Fault indications

In the event of a fault, the ESP system will be automatically switched off and the  warning light will switch on constantly in the instrument panel along with a message in the multifunction display (for versions/markets where provided) (see “Warning lights and messages” section). The LED in the ASR button will switch on. Contact a Fiat Dealership as soon as possible.



WARNING

ESP performance features must not induce the driver to take unnecessary or unfounded risks. Driving style must always be adapted to road conditions, visibility and traffic. The driver is always responsible for road safety.

HILL HOLDER SYSTEM

It is integral to the ESP system. It automatically activates with the following conditions:

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

When setting off, the ESP system control unit will maintain braking pressure on the wheels until the torque required for starting is attained or, in any case, for a maximum of 2 seconds in order that the right foot can be moved easily from the brake pedal to the accelerator pedal.

When 2 seconds have elapsed, without any departure having taken place, the system is automatically deactivated, gradually releasing the braking pressure. During this release stage, the typical brake disengagement noise indicating that the vehicle is going to move imminently will be heard.

Fault indications

The  warning light will switch on in the event of a fault (see “Warning lights and messages”).

IMPORTANT The Hill Holder system is not a parking brake, therefore do not leave the vehicle without activating the handbrake, switching off the engine and engaging first gear.



WARNING

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

ASR SYSTEM (Antislip Regulation)

This is a traction control system that cuts in automatically every time one or both drive wheels slip.

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

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

The action of the ASR system is especially useful in the following conditions:

- slipping of the inner wheel on bends due to dynamic variations in the load or excessive acceleration;
- excessive power transmitted to the wheels, also in relation to road surface conditions;
- acceleration on slippery, snowy or icy road surfaces;
- loss of grip on wet road surfaces (aquaplaning).



WARNING

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

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MSR system (engine drive regulation)

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

Activation/deactivation of the ASR system

The ASR system activates automatically each time the engine is started.

When travelling, the ASR can be switched off and on again pressing button A fig. 132 located among the controls in the instrument panel.

Switching off is shown by the LED in the switch itself switching on together with a message shown in the multifunction display, for versions/markets where provided.

If the ASR is switched off when driving, it is automatically switched on again when the vehicle is started up.

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



WARNING

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

FAULT INDICATIONS

In the event of a fault, the ASR system will be automatically switched off and the  warning light in the instrument panel will switch on constantly along with a message in the multifunction display (for versions/markets, where provided) (see “Warning lights and messages” section). The LED in the ASR button will light up. In this case, contact a Fiat Dealership as soon as possible.

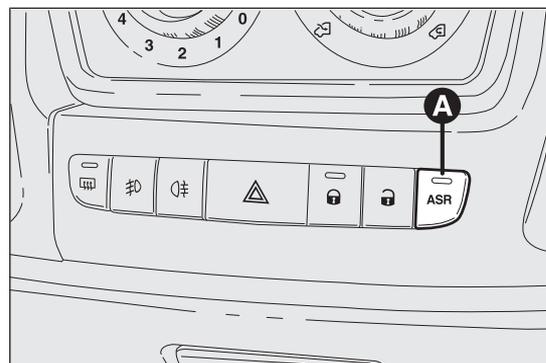


fig. 132

F0N0077

TRACTION PLUS SYSTEM

(for versions/markets, where provided)

Traction Plus is a driving aid, useful for setting off in poor grip conditions (snow, ice, mud, etc.) which allows the drive force to be evenly distributed over the same axle when both wheels are slipping.

Traction Plus acts by braking the wheels with poor grip (or those slipping more than the others), thereby transferring the drive force to those which have greater grip on the ground.

This function can be activated manually by pressing the T+ button on the dashboard fig. 133 and operates under 30 km/h. Over this speed, it is automatically deactivated (the LED on the button is still on) and it is reactivated again when the speed is below 30 km/h.

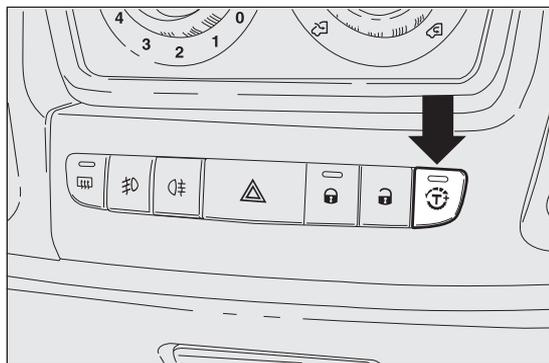


fig. 133

F0N0509

Traction Plus operation

The system is deactivated when starting. To activate the Traction Plus system, press the T+ button fig. 133: the LED on the button switches on.

The activation of the Traction Plus system involves the following functions being switched on:

- inhibition of the ASR function, to exploit the engine torque fully;
- a differential locking effect on the front axle, through the braking system, to improve traction on irregular surfaces.

If the Traction Plus system is faulty, the  warning light on the instrument panel switches on constantly.

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EOBD SYSTEM

The EOBD system (European On Board Diagnosis) allows continuous diagnosis of emission-related components on the vehicle.

It also alerts the driver, by turning on the  warning light in the instrument panel (together with relevant message in the multifunction display, for versions/markets where provided) (see “Warning lights and messages” section), when these components are no longer in peak condition.

The aim of the system is to:

- monitor system efficiency;
- indicate an increase in emissions due to vehicle malfunction;
- indicate the need to replace components which have deteriorated.

The system also has a diagnosis connector that can be interfaced with 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.



WARNING

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. Operation of the indicator  may be verified by traffic control officers using the appropriate equipment. Comply with the laws and regulations of the country where you are driving.

PARKING SENSORS

The parking sensors are located in the rear bumper fig. 134 and their function is to inform the driver, through an intermittent buzzer, about the presence of obstacles behind the vehicle.

ACTIVATION

The sensors are automatically activated when reverse gear is engaged.

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

WARNING BUZZER

When reverse gear is engaged an intermittent acoustic signal is automatically activated.

The acoustic signal:

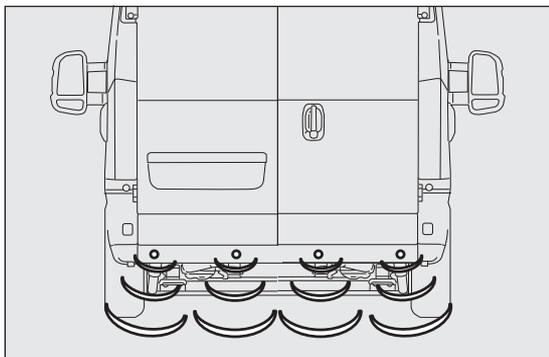


fig. 134

F0N0119

- increases as the distance between the vehicle and the obstacle decreases;
- becomes continuous when the distance between the vehicle and the obstacle is less than 30 cm and stops immediately if the distance increases;
- remains constant if the distance remains unchanged; if this situation concerns the side sensors, the buzzer will stop after about 3 seconds to avoid, for example, warning indications in the event of manoeuvres along walls.

Detection distances

Central operating range: 140 cm \pm 10 cm

Side operating range: 60 cm \pm 20 cm

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

FAULT INDICATIONS

Any parking sensor faults will be indicated when reverse is engaged by the $P_{\text{▲}}$ warning light in the instrument panel switching on together with the message in the multifunction display, for versions/markets, where provided (see chapter "Warning lights and messages").

OPERATION WITH TRAILER

Parking sensor operation is automatically disabled when the electric cable plug of the trailer is fitted into the vehicle tow hook socket.

The sensors are automatically enabled again when the trailer's cable plug is removed.

IMPORTANT If you wish to leave the tow hook fitted without towing a trailer, it is advisable to contact a Fiat Dealership for the relevant system update operations because the tow hook could be detected as an obstacle by the central sensors.

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



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.



WARNING

Parking manoeuvres however are always the driver's responsibility. When making these manoeuvres, always make sure that no people (especially children) or animals are present in your manoeuvring space. The parking sensors serve to assist the driver, but must never allow his attention to lapse during potentially dangerous manoeuvres, even those executed at low speeds.

GENERAL WARNINGS

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

The following conditions may influence the performance of the parking sensor system:

- 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 noise) due to mechanical noises, for example when washing the vehicle, in case of 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.
- ❑ The performance of the parking assistance system may also be affected by the position of the sensors. For example by a change in the ride setting (caused by the wear of the shock absorbers, suspension), changing the tyres, overloading the vehicle and carrying out specific tuning operations that require the vehicle to be lowered.
- ❑ Detection of obstacles in the upper part of the vehicle (particularly in the case of vans or chassis cabs) may not be guaranteed because the system detects obstacles that could strike the lower part of the vehicle.

START&STOP SYSTEM

INTRODUCTION

The Start&Stop device automatically stops the engine each time the vehicle is stationary and starts it again when the driver wants to move off. This improves the efficiency of the vehicle by reducing fuel consumption, the emission of harmful gases and noise pollution.

OPERATING MODES

Stopping the engine

WITH MANUAL GEARBOX

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

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

The engine being stopped is signalled by the fig. 135 icon on the display, depending on the trim level.

Restarting the engine

WITH MANUAL GEARBOX

Depress the clutch pedal to restart the engine.

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MANUAL ACTIVATION AND DEACTIVATION OF THE SYSTEM

To activate/deactivate the system manually, press the  fig. 136 button on the dashboard control trim.

Start&Stop system activation

A message will appear on the display when the Start&Stop system is activated. In this condition, the LED on the button  is off.

Start&Stop system deactivation

Start&Stop system deactivation is signalled by a message on the display.

The LED above the  button is on when the system is deactivated.



fig. 135

F0N0540

ENGINE STOPPING FAILURE CONDITIONS

With the device activated, for reasons of comfort, limiting emissions and safety, the power unit does not stop in certain conditions, including:

- engine still cold;
- particularly cold external temperatures, if the corresponding indication is provided;
- battery not sufficiently charged;
- particulate filter regeneration in progress (diesel engines only);
- driver's door not shut;
- driver's seat belt not fastened;
- reverse gear engaged (for example, for parking manoeuvres);

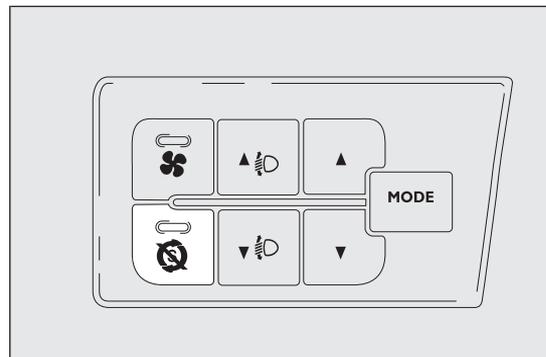


fig. 136

F0N0541

- automatic climate control, if a suitable thermal comfort level has not yet been reached or to enable MAX-DEF function.
- during the first period of use, to initialise the system

RESTARTING CONDITIONS

For reasons of comfort, limiting pollutant emissions and safety purposes, the power unit can restart automatically without any action on behalf of 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);
- vehicle in motion (e.g. when driving on roads with a gradient);
- stopping the engine through the Start&Stop system for more than about three minutes.
- automatic climate control system for adjusting the thermal comfort level or to enable MAX-DEF function.

With a gear engaged, the engine can be automatically restarted only by fully depressing the clutch pedal.

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 when the engine stops and this is not desired, due for example to the clutch pedal being released sharply with a gear engaged, if the Start&Stop system is active, the engine can be restarted by fully depressing the clutch pedal or by placing the gear lever in neutral.

SAFETY FUNCTIONS

When the engine is stopped by the Start&Stop system, if the driver unfastens their seat belt and opens the driver's door or the passenger door, the engine can only be restarted using the key. The driver is notified of this condition by a buzzer, through the fig. 135 warning light flashing in the instrument panel and, where provided, by a message in the display.

"ENERGY SAVING" FUNCTION

(for versions/markets, where provided)

If, as a result of automatic engine restarting, the driver does not carry out any action on the vehicle for an extended period (about 3 minutes), the Start&Stop system stops the engine definitively, 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.

IRREGULAR OPERATION

In the event of malfunction, the Start&Stop system is deactivated. The driver is informed about the fault through the switching on of the  warning light together with a message on the display. In this case, contact a Fiat Dealership.

VEHICLE INACTIVITY

In the event of vehicle inactivity, special attention must be paid to the disconnection of the battery power supply. Proceed as follows: detach connector A fig. 137 (by pressing button B) from sensor C for monitoring the status of the battery installed on the negative battery pole D. This sensor must never be disconnected from the pole except if the battery is replaced.

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



WARNING

If the battery needs to be replaced, always contact a Fiat Dealership. The replacement battery should be of the same type (L6 105Ah/850A) and should have the same characteristics.

JUMP STARTING

In the event of jump starting fig. 138 with a booster battery, never connect the negative lead (-) of the booster battery to the negative pole C of the vehicle's battery, but rather to an engine/gearbox earth point (follow the lead connection procedure described in the "Jump starting" paragraph in the chapter "In an emergency").

IMPORTANT



WARNING

Before opening the bonnet, make sure that the vehicle is switched off and the key is in the OFF position. Follow the instructions on the label on the front crossmember. It is advisable to extract the key when there are other people in the vehicle.

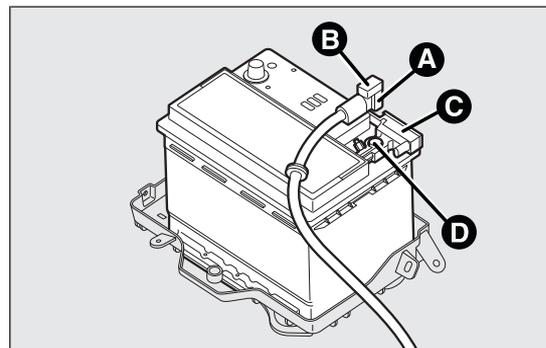


fig. 137

F0N0543



WARNING

The vehicle should always be evacuated after the key has been removed or turned to the OFF position. When refuelling, make sure that the car is switched off with the key in the OFF position.



WARNING

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

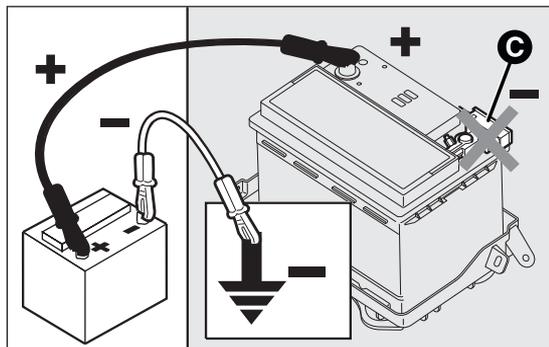


fig. 138

F0N0544

RADIO

(for versions/markets, where provided)

For radio operation, consult the Supplement attached to this Owner Handbook.

SETUP

(for versions/markets, where provided)

The system consists of:

- radio supply leads;
- front speaker connection cables;
- aerial supply lead;
- 2 tweeters A located in the front doors (30 W max power each) fig. 139;
- 2 mid-woofers B located in the front doors (165 mm diameter, 40 W max power each) fig. 140;
- radio aerial lead.

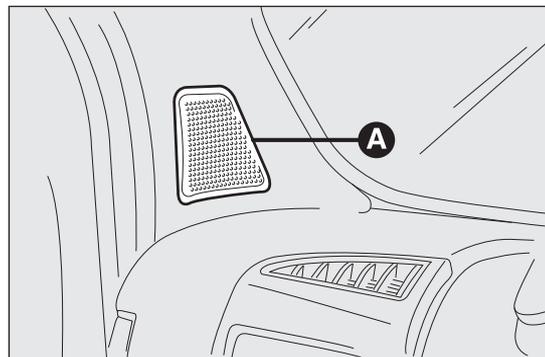


fig. 139

F0N0157

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The radio must be installed in the place occupied by the central storage compartment because this makes the cables provided accessible.

**WARNING**

For connection to the existing devices supplied in the vehicle contact Fiat Dealership to prevent any problem that could impair vehicle safety.

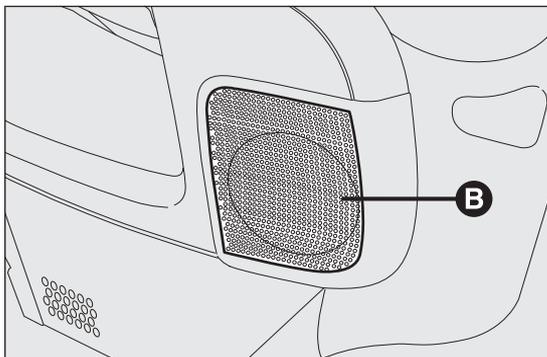


fig. 140

F0N0158

ACCESSORIES PURCHASED BY THE OWNER

If after buying the car, you decide to install electrical accessories that require a permanent electric supply (alarm, satellite anti-theft 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.

**WARNING**

Take care when fitting additional spoilers, alloy wheels or non-standard wheel hubs: they could reduce the ventilation of the brakes and affect efficiency under sharp, repeated braking or on long descents. Make sure that nothing obstructs the pedal stroke (mats, etc.)

INSTALLING ELECTRICAL/ELECTRONIC DEVICES

Electrical and electronic devices installed after buying the car in the context of after-sales service must carry this label: fig. 141

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.

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. or not installed in compliance with the instructions provided.



fig. 141

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 car 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.

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PROVISION FOR FITTING TELEPASS ON REFLECTIVE WINDSCREEN

(for versions/markets, where provided)

If the vehicle is equipped with a reflective windscreen, install the Telepass in the appropriate area shown in fig. 142 - fig. 143.

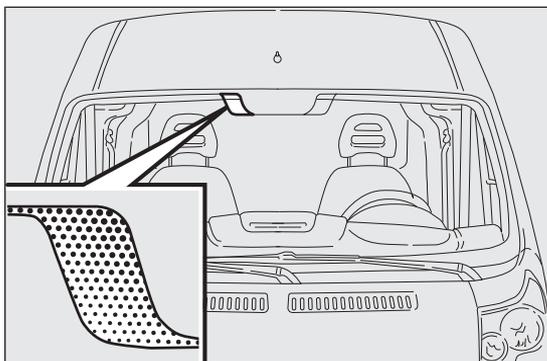


fig. 142

F0N0245

REFUELLING THE VEHICLE

OPERATION AT LOW TEMPERATURES

If the outside temperature is very low, diesel fluidity may become insufficient 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 fuel 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.

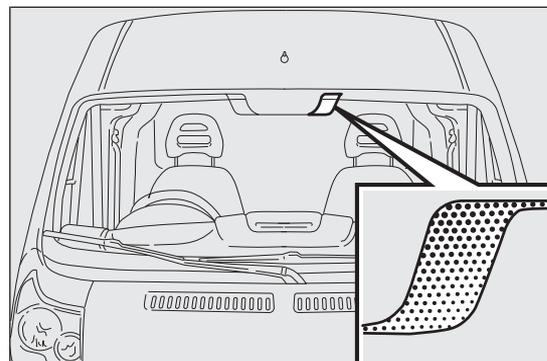


fig. 143

F0N0246

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

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



Only refuel with automotive diesel complying with the European specification EN 590. The use of other products or mixtures may damage the engine beyond repair and consequently invalidate the warranty, due to the damage caused. If you accidentally introduce other types of fuel into the tank, do not start the engine. Empty 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 pump switches off. Further top-ups could cause faults in the fuel feeding system.

FUEL TANK CAP

To carry out fuelling, open flap A fig. 144 and unscrew cap B; the cap is fitted with a safety device C which fastens it to the flap so it cannot be mislaid.

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. 144.



WARNING

Do not bring naked 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.

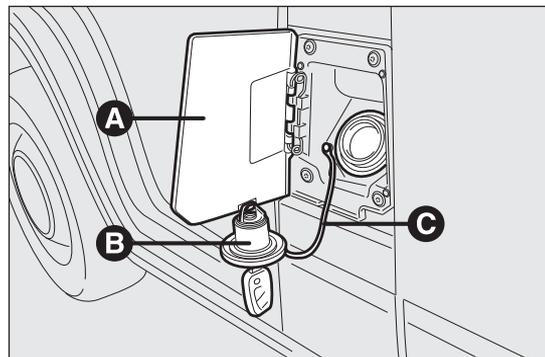


fig. 144

F0N0068

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PROTECTING THE ENVIRONMENT

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

- oxidising catalytic converter;
- exhaust gas recirculation system (EGR);
- particulate filter (DPF) (for versions/markets, where provided).



WARNING

The diesel particulate filter (DPF) reaches high temperatures during operation. Do not park the car on grass, dry leaves, pine needles or other flammable material: fire hazard.

DIESEL PARTICULATE FILTER (DPF)

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.

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

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 idle speed during the regeneration, a limited increase in fumes and high temperatures at the exhaust.

These are not faults; they do not impair vehicle performance or damage the environment. If the dedicated message is displayed, refer to paragraph "Warning lights and messages".

SAFETY

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, grip the tongue A fig. 145 and insert it into the buckle B, until the locking click is heard.

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

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

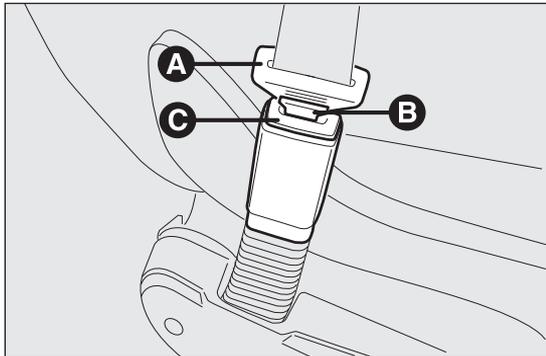


fig. 145

F0N0069

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

The reel may lock up when the vehicle 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.



WARNING

Never press button C fig. 145 when travelling.

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HEIGHT ADJUSTMENT



WARNING

The height of the seat belts must be adjusted with the vehicle at a standstill.

To adjust, use button A fig. 146 and raise or lower handle B.

Always adjust the seat belt height to the passenger's body: This precaution may considerably reduce the risk of injury in the event of a collision.

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



WARNING

After adjustment, always check that the cursor to which the ring is fastened is locked in one of the set positions. Release the grip and push downwards to enable the locking device to click if the grip has not been released in one of the possible positions.

Seat belt with reel for front central place on bench seat

The two-seater front bench is equipped with an on-board seat belt (reel on seat) with three anchorage points for the central position fig. 147.

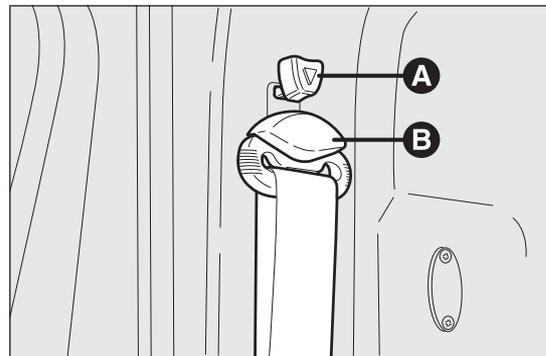


fig. 146

F0N0070



fig. 147

F0N0156

SBR SYSTEM

The vehicle is fitted with a Seat Belt Reminder system (SBR), consisting of a buzzer and the flashing  warning light on the instrument panel which warns the driver that the seat belt must be fastened.

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

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

For permanent deactivation, contact a Fiat Dealership.

With a digital display, the SBR system can be reactivated only at a Fiat Dealership.

With a multifunction display, the SBR system can also be re-enabled through the setup menu.

PRETENSIONERS

To increase the protective efficiency of the front seat belts, the vehicle is fitted with pretensioners. These devices, in the event of a violent head-on crash or side impact, rewind the seat belts a few centimetres. In this way, they ensure that the belts fit tightly to the wearer before the restraining action begins.

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

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

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

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

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**WARNING**

The pretensioner may be used only once. After it is triggered, have it replaced at a Fiat Dealership. Consult the data plate in the glove box to check the status of the pretensioners. Go to a Fiat Dealership to have the device replaced when the expiration date approaches.



Operations which lead to knocks, vibrations or localised heating (over 100°C for a maximum of 6 hours) in the area around the pretensioners may cause damage or trigger them. These devices are not affected by vibrations caused by irregularities of the road surface or low obstacles such as kerbs, etc. Contact a Fiat Dealership for any assistance.

LOAD LIMITERS

To increase passenger safety, the front seat belt reels contain a load limiter which controls the force acting on the chest and shoulders during the belt restraining action in the event of a head-on collision.

GENERAL INSTRUCTIONS FOR USING THE SEAT BELTS

The driver is responsible for respecting (and ensuring that all the other passengers also respect) the local laws in force regarding the use of seat belts. Always fasten the seat belts before starting.

Seat belts must also be worn by expectant mothers: the risk of injury in the event of an 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. 148).

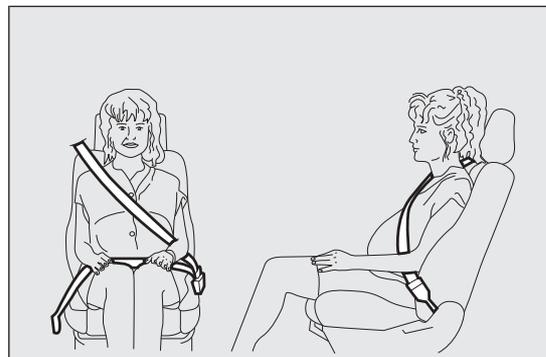


fig. 148

F0N0120



WARNING

The belt must not be twisted. The upper part must pass over the shoulder and cross the chest diagonally. The lower part must adhere to the pelvis (as shown in fig. 149) rather than the abdomen of the passenger. Never use devices (clips, pegs, etc.) to hold the seat belt away from your body.

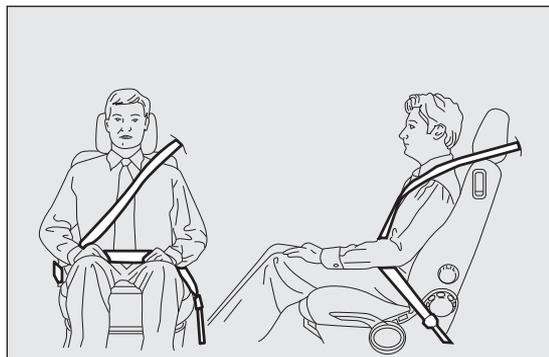


fig. 149

F0N0121



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 and even death in the event of an accident.



WARNING

Removing or otherwise tampering with safety 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.



WARNING

If the belt has been sharply pulled, for example as the result of an accident, the safety belt, together with the anchoring devices, the anchoring device mounting screws and the pretensioner must be completely replaced. Even if the belt does not present any exterior signs of wear or damage, it may have lost its restraining properties.

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**WARNING**

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. 150. In general, do not place any objects between the person and belt.

**WARNING**

If the belt has been sharply pulled, for example as the result of an accident, the safety belt, together with the anchoring devices, the anchoring device mounting screws and the pretensioner must be completely replaced. Even if the belt does not present any exterior signs of wear or damage, it may have lost its restraining properties.



fig. 150

F0N0122

SEAT BELTS MAINTENANCE

To maintain the seat belts in efficient conditions, observe the following:

- always use the belt with the strap well stretched and never twisted; make sure that it is free to run without obstructions;
- replace the belt after an accident of a certain severity even if it does not appear to be damaged. Always replace the belt if the pretensioners were deployed;
- to clean the belt, 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

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

This is even more important for children.

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

A child's head is larger and heavier than an adult's in proportion to its body, while their muscular and bone structures are not fully developed. Therefore, correct restraint systems are necessary which are different from adult seat belts.

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 groups:

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

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

All restraint devices must bear the type-approval data along with the control mark on a label firmly secured to the child seat which must never be removed.

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

Lineaccessori Fiat offers child restraint systems for each weight group. These devices are recommended, having been specifically designed for Fiat vehicles.



WARNING

Do not place a cradle seat facing backwards on the front seat if the passenger side air bag is on. Deployment of the air bag in an accident could cause fatal injuries to the baby regardless of the severity of the collision. It is advisable to always carry children in a child seat on the rear seat, which is the most protected position in the event of a collision. If you need to carry a child on the front passenger seat in a cradle seat facing backwards, the passenger side air bags (front and side bags, for versions/markets, where provided) must be deactivated using the setup menu. It is important to check the performed deactivation on the warning light on the instrument panel. The passenger seat must also be slid back as far as possible in order to avoid the child seat from coming into contact with the dashboard.

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GROUP 0 and 0+

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

The cradle is restrained by the vehicle's seat belts, as shown in fig. 151 and it must restrain the child in turn with its own belts.

**WARNING**

The figures are only examples for fitting purposes. Install the car seat according to the instructions, which must be included with this type of restraint system.



fig. 151

F0N0123

GROUP I

Children from 9 kg to 18 kg in weight can be carried facing forwards if the child seat is fitted with a front cushion, through which the vehicle's seat belt restrains both child and seat fig. 152.

**WARNING**

The figures are only examples for fitting purposes. Install the car seat according to the instructions, which must be included with this type of restraint system.

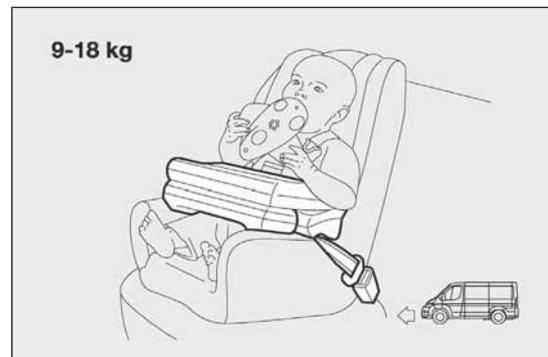


fig. 152

F0N0124



WARNING

Car seats for weight groups 0 and 1 feature an attachment in front of the vehicle safety belts as well as its own belts to restrain the child. Due to their weight, they may be dangerous if incorrectly mounted (e.g. if fastened to the vehicle seat belts placing a cushion in between). Follow the installation instructions provided carefully.

GROUP 2

Children from 15 to 25 kg may use the vehicle's seat belts directly fig. 153.

The child seat is now needed 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. Install the car seat according to the instructions, which must be included with this type of restraint system.

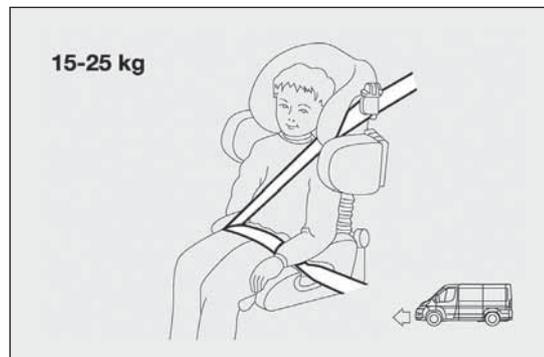


fig. 153

F0N0125

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GROUP 3

For children from 22 to 36 kg the size of the child's chest means that a support to space the child's back from the backrest is no longer required.

The fig. 154 shows an example of correct child seat 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. Install the car seat according to the instructions, which must be included with this type of restraint system.



fig. 154

F0N0126

SUITABILITY OF PASSENGER SEATS FOR THE USE OF CHILD SEATS

The vehicle complies with the new European Directive 2000/3/EC which governs the arrangement possibilities for child seats on the seats of a vehicle as shown in the following table (the table refers to the Van, Combi and Panorama versions):

Group	Weight groups	CAB	1st and 2nd REAR SEATS ROW		
		Single or two-seater seat (1 or 2 passengers)	Rear left side passenger	Rear right side passenger	Central passenger
Group 0, 0+	Up to 13 kg	U	U	U	U
Group 1	9-18 kg	U	U	U	U
Group 2	15-25 kg	U	U	U	U
Group 3	22-36 kg	U	U	U	U

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

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

- The recommended position for installing child seats is on the rear seat, as it is the most protected area in the event of a crash.
- If the passenger's air bag is deactivated always check the warning light  on the instrument panel to make sure that it has actually been deactivated.
- Carefully follow the instructions supplied with the child seat which are mandatory by law. Keep the instructions in the vehicle along with the other papers and this handbook. Do not use second-hand child seats 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 seat.
- 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 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 seat with a new one.



WARNING

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

SETUP FOR "UNIVERSAL ISOFIX" CHILD SEAT

The vehicle can be fitted with a Universal Isofix child seat, a new European standardised system for carrying children safely.

An example of a child seat is shown in fig. 155.

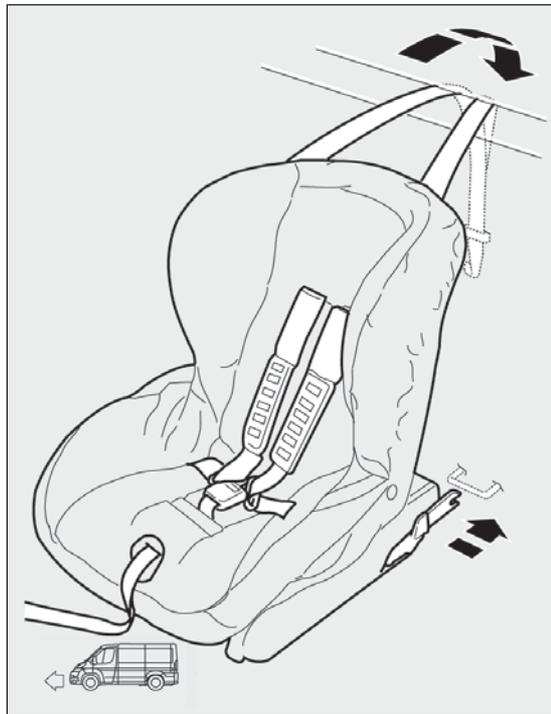


fig. 155

F0N0236

Due to its different attachment system, the child seat must be secured using the special lower metal rings A fig. 156, positioned between rear backrest and cushion. The upper belt (provided with the child seat) must be then secured to ring B fig. 157 located in the lower part of the seat. It is possible to have a mixed assembly of traditional child seats and Universal Isofix seats.

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

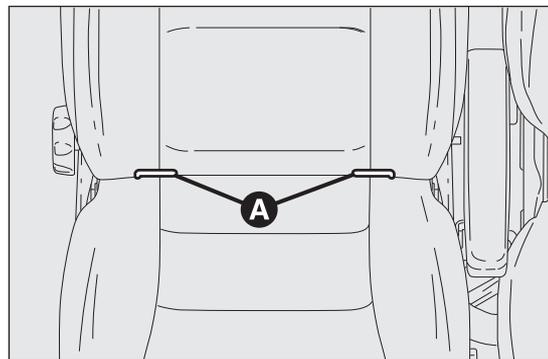


fig. 156

F0N0234

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WARNING

Fit the child seat only when the vehicle is stationary. The child seat is correctly anchored to the brackets when you hear the click.



WARNING

Follow the instructions for positioning, fitting and removing which the child seat manufacturer must supply together with the seat.

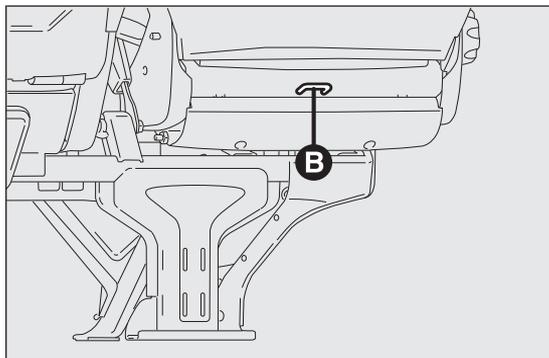


fig. 157

F0N0235

PASSENGER SEAT COMPLIANCE FOR USING UNIVERSAL ISOFIX CHILD SEATS

The table below shows the different installation possibilities for Universal Isofix child seats on the seats fitted with Isofix attachments, in accordance with European regulation ECE 16.

Weight group	Child seat position	Isofix size class	Rear side Isofix position, 1st row (PANORAMA)	Rear side Isofix position, 1st row (COMBI)
Portable cradle	Rearward facing	F	X	X
	Rearward facing	G	X	X
Group 0 (up to 10 kg)	Rearward facing	E	IL	IL
Group 0+ (up to 13 kg)	Rearward facing	E	IL	IL
	Rearward facing	D	IL	IL
	Rearward facing	C	IL	IL
Group I (from 9 to 18 kg)	Rearward facing	D	IL	IL
	Rearward facing	C	IL	IL
	Forward facing	B	IUF	IUF
	Forward facing	B1	IUF	IUF
	Forward facing	A	IUF	IUF

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

IL: suitable for Isofix child restraint systems of the "Specific for the vehicle", "Restricted", or "Semiuniversal" categories, approved for this type of vehicle.

IUF: suitable for forward facing Isofix child restraint systems in the Universal category and type-approved for the use in the weight group.

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FRONT AIR BAGS

The vehicle is provided with front air bags for the driver and the passenger.

The front driver / passenger air bags have been designed to protect the occupants in the event of head-on crashes of medium-high severity, by placing the cushion between the occupant and the steering wheel or dashboard.

Therefore non-deployment in other types of impacts (side impacts, rear shunts, roll-overs, etc.) does not indicate 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.

Driver and passenger front air bags are not a replacement of but complementary to the belts, which you are recommended to always wear, as specified by law in Europe and most non-European countries.

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

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

Front air bags may not activate in the following situations:

- frontal impacts against highly deformable objects not involving the front surface of the vehicle (e.g. wing collision against guard rail, etc.);
- jamming of the vehicle underneath other vehicles or protective barriers (e.g. underneath a truck or a guard rail); in this case, the bags would offer no additional protection with respect to the seat belt and their deployment is unnecessary. Lack of deployment in such cases is consequently not the sign of a fault.



WARNING

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

The air bags 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.

FRONT DRIVER SIDE AIR BAG

It consists of an instantly inflating bag contained in a special recess in the centre of the steering wheel fig. 158.

FRONT PASSENGER SIDE AIR BAG

(for versions/markets, where provided)

This consists of an instantly inflating bag contained in a special recess in the dashboard fig. 159: this bag has a larger volume than that of the driver.

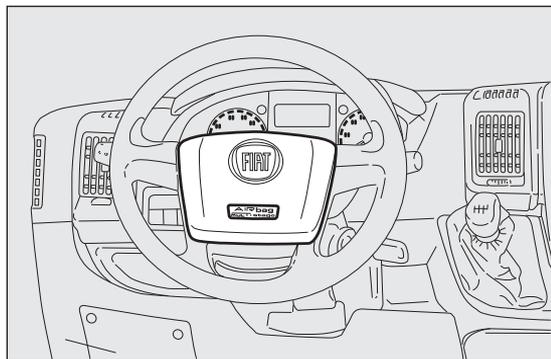


fig. 158

F0N0324



WARNING

Do not arrange cradle child seats facing backwards if the passenger's air bag is on. Deployment of the air bag in an accident could cause fatal injuries to the child. Always deactivate the passenger air bag when placing a child seat on the front seat. The passenger seat must also be slid back as far as possible in order to avoid the child seat from coming into contact with the dashboard. Though not required by law, we recommend that you reactivate this air bag as soon as the child no longer needs to be transported in the vehicle's front seat.

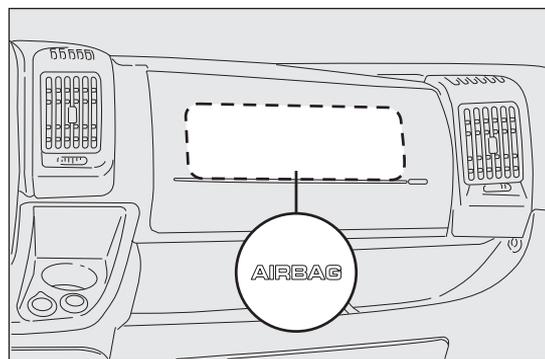


fig. 159

F0N0072

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MANUAL DEACTIVATION OF PASSENGER SIDE FRONT AIR BAG AND SIDE BAG

(for versions/markets, where provided)

If a child must be carried on the front seat, the front passenger side air bag and side bag for chest protection (for versions/markets where provided) must be deactivated.

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 side front air bag and side bag for chest protection (for versions/markets where provided), refer to section "Knowing your car", paragraph "Multifunction display".

SIDE BAGS

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

Side bags (for versions/markets where provided) protect occupants from side impacts of medium-high severity, by placing the bag between the occupant and the internal parts of the side structure of the vehicle. Non-activation of side bags in other types of collisions (front collisions, rear shunts, roll-overs, etc...) is not a system malfunction.

An electronic control unit causes the bags to inflate in the event of a side-on collision. The bags inflate instantaneously placing themselves between the occupants' bodies and the structures which could cause injury. They deflate immediately afterwards.

Side bags (for versions/markets where provided) are not a replacement of but complementary to the belts, which you are recommended to always wear, as specified by law in Europe and most non-European countries.

FRONT SIDE BAGS FOR CHEST PROTECTION

(for versions/markets, where provided)

Housed in the seats' backrests fig. 160, they consist of an instantly inflating bag designed to protect the occupants' chest and pelvis zone in the event of a side impact of medium-high severity.

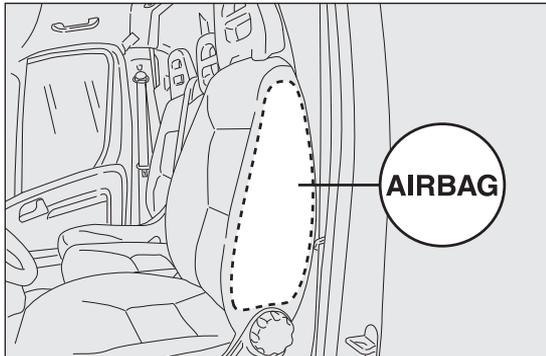


fig. 160

F0N0140

SIDE AIR BAGS FOR HEAD PROTECTION (WINDOW BAGS)

(for versions/markets, where provided)

They consist of two curtain bags, one on the right and the other on the left side of the vehicle, located behind the side coverings of the roof and covered by specific finishing fig. 161.

Window bags are designed to protect the head of front and rear occupants in the event of side crash, thanks to the wide bag inflation surface.

IMPORTANT In the event of a side-on crash, the system offers best protection if you keep a correct position on the seat because this allows the side bags to inflate correctly.

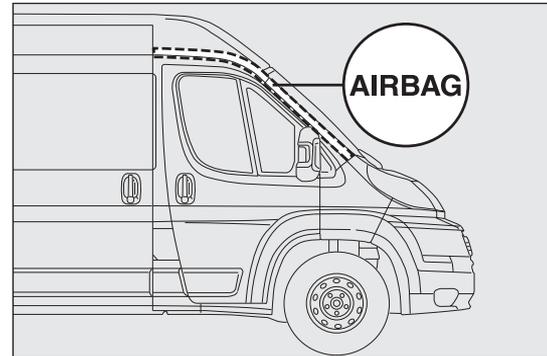


fig. 161

F0N0133

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

IMPORTANT A small amount of dust will be released when the air bags 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 vehicle may be covered in a dusty residue: this may irritate your skin and eyes. Wash with mild soap and water in the event of exposure.

The expiration dates of the explosive charge and the clock wire are shown on a label contained in the glove box. Contact a Fiat Dealership to have the devices replaced when the expiry date approaches.

IMPORTANT Should an accident occur in which any of the safety devices 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 air bags must only be carried out at a Fiat Dealership.

If you are having the vehicle scrapped, have the system deactivated at a Fiat Dealership first. If the vehicle changes ownership, the new owner must be informed of how to use the air bags and the above warnings and also be given this "Owner Handbook".

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

**WARNING**

Never rest your head, arms or elbows on the doors, on the windows or in the window bag area as this could cause injuries during the inflation phase.

**WARNING**

Never lean your head, arms or elbows out of the window.

GENERAL WARNINGS



WARNING

If when turning the key to **MAR-ON** the warning light  does not turn on or if it stays on when travelling (together with the message on the multifunction display, for versions/markets where provided), there could be a fault in the safety systems; in this event, air bags or pretensioners may not trigger in the case of impact or, in a lower number of cases, they could be triggered accidentally. Contact a Fiat Dealership immediately to have the system checked.



WARNING

Do not cover the backrest of the front or rear seats with covers which are not suitable for use with side bags.



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 air bag is deployed.



WARNING

Always drive with both hands on the steering wheel so that, if the air bags must be deployed, they may do so freely. Do not drive with your body bent forward. Keep your back straight against the backrest.



WARNING

Air bags may be deployed if another vehicle crashes into the vehicle if the key is inserted and at **MAR-ON** even if the engine is not running when the vehicle is stationary. For this reason, children must never sit on the front seat, even if the vehicle is not moving. On the other hand, if the key is inserted in **STOP** position, none of the safety devices (air bags or pretensioners) will be deployed in the event of impact. Non-deployment of these devices does not indicate a system malfunction.



WARNING

If your vehicle has been subject to theft, attempted theft, vandalism, or flooding, see your Fiat Dealership to have the air bag system inspected.

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**WARNING**

When the ignition key is turned to MAR-ON, the warning light  (with passenger's front air bag activated) 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 front air bag is designed to be deployed for impacts of a greater intensity than for the pretensioners. For impacts whose intensity falls between the two levels, normally, only the pretensioners will be activated.

**WARNING**

Do not affix rigid objects to the garment hooks or support handles.

**WARNING**

The airbag does not replace seat belts but increases their efficiency. Furthermore, since front airbags are not deployed in low-speed frontal impacts, side impacts, rear shunts or roll-overs, the passengers are protected only by the seat belts which must therefore be fastened at all times.

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STARTING THE ENGINE

The vehicle is fitted with an electronic engine lock device: if the engine fails to start, see the paragraph “The Fiat CODE system” in section “Know your vehicle”.



It is advisable not to demand maximum performance from your vehicle (e.g. excessive acceleration, long distances at high speeds, excessive intense braking, etc.) during the initial period of use.



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 run the engine in enclosed areas. The engine takes in oxygen and releases carbon dioxide, carbon monoxide and other toxic gases.



WARNING

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

PROCEDURE

Proceed as follows:

- ensure that the handbrake is up;
- 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.

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

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.

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

IMPORTANT Never leave the ignition key in MAR-ON position when the engine is stopped.



Warning light  will flash for 60 seconds after starting or during prolonged cranking to indicate a fault with the glow plug heating system. Use the vehicle normally if the engine starts, but go to a Fiat Dealership as soon as possible.

WARMING UP THE ENGINE JUST AFTER IT HAS 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.



Remember that the brake servo and power steering are not operational until the engine has been started, so you need to apply much more force than usual to the brake pedal and steering wheel.



Never bump 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.



A quick burst on the accelerator before turning off the engine serves absolutely no practical purpose, it wastes fuel and is especially damaging to turbocharged engines.



In some cases, when the engine switches off, the fan could start for max. 120 seconds.

PARKING

Proceed as follows:

- Stop the engine and engage the handbrake;
- engage a gear (on a slope, engage first gear if the car is facing uphill or reverse if it is facing downhill) and leave the wheels steered.

If the vehicle is parked on a steep slope, it is advisable to block the wheels with a wedge or stone.

Do not leave the key in the ignition as this drains the battery. Always remove the key when you leave the car.



WARNING

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

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HANDBRAKE

The handbrake lever is located to the left of the driver's seat fig. 162. Pull the lever upwards to engage the handbrake and ensure that the vehicle does not move.

Four or five notches are normally sufficient to brake the vehicle on flat ground, while nine or ten may be necessary on a steep slope with the vehicle loaded.

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

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

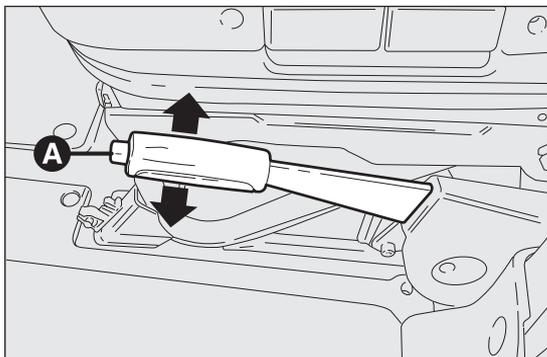


fig. 162

F0N0073

Proceed as follows to release the handbrake:

- slightly lift the handbrake and press release button A;
- 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 vehicle from moving accidentally.

IMPORTANT Apply the handbrake lever only when the vehicle is at a standstill or with the vehicle in motion only in the event of a failure in the hydraulic system. If exceptional use is made of the handbrake with the vehicle in motion, moderate traction is advisable in order not to cause locking of the rear end with consequent swerving of the vehicle.



If the vehicle is equipped with self-levelling air suspension, always check that there is sufficient space above the roof and around the vehicle when parking. Indeed, the vehicle could raise (or lower) automatically depending on load or temperature changes.

USING THE 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. 163).

To engage 6th gear (where provided), operate the lever by pressing it towards the right in order to avoid engaging 4th gear by mistake. The action is similar for shifting from 6th gear to 5th gear.

IMPORTANT Reverse may only be engaged when the vehicle is at a standstill. 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, proceed as follows: raise ring A under the knob and at the same time move the gear lever to the right and then backwards.

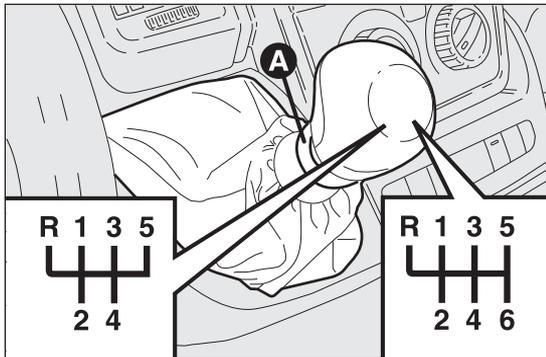


fig. 163

F0N0074



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 of the gearbox internal components. 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.

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LOADING ADVICE

The Fiat Ducato version that you are using has been designed and type approved on the basis of certain maximum weights (see "Weights" table in the "Technical Data" chapter): kerb weight, payload, total weight, maximum weight on front axle, maximum weight on rear axle, towable weight.



Each of these must be strictly observed and MUST NEVER BE EXCEEDED in any case. In particular, ensure that you never exceed the maximum permitted weights on the front and rear axles when arranging the load on the vehicle (particularly if the vehicle is equipped with a specific trim level).

IMPORTANT The maximum permitted load on the floor fastenings is 500 kg; the maximum permitted load on the side panel is 150 kg.



WARNING

Irregular trajectories and abrupt braking may cause sudden movements of the load with consequent situations of hazard for the driver and passengers: before setting off, secure the load tightly using the appropriate hooks on the floor and use steel cables, ropes or chains strong enough to hold the items to be secured.



WARNING

If a vehicle is parked on a very steep gradient or with a side gradient, opening the rear door or side door could cause any unsecured items to emerge suddenly.

IMPORTANT For versions with right and left side flaps, it is advisable to reposition the release lever in the closed position before lowering the sides.



WARNING

If you wish to carry petrol in a reserve tank, observe the legal restrictions and only use a tank that is type approved and properly secured to the load anchorage eyebolts. However, by doing so, you increase the risk of fire in the event of an accident.

In addition to these general precautions, some simple precautions can improve driving safety, travelling comfort and vehicle durability:

- distribute the load evenly over the floor: if it is necessary to concentrate it in a single area, choose an area mid-way between both axles;

- ❑ remember that the lower the load, the lower the vehicle's centre of gravity, making for a safer drive: therefore always position the heaviest goods lower down;
- ❑ lastly, remember that the vehicle's dynamic behaviour is affected by the weight transported: in particular, the stopping distances are longer, especially at high speed.

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.

Vehicle maintenance

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

Tyres

Check the tyre pressure at least once every 4 weeks: if the pressure is too low, consumption levels increase as resistance to rolling is higher.

Unnecessary loads

Do not travel with an overloaded boot. The weight of the vehicle (especially when driving in town) and its geometry greatly affect fuel consumption and stability.

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Roof rack/ski rack

Remove the roof rack or the ski rack from the roof after use. These accessories decrease aerodynamic penetration of the vehicle and have a negative effect on fuel consumption. When transporting particularly large objects, use a trailer if possible.

Electrical devices

Only use electrical devices for the amount of time needed. 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

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

Devices for aerodynamic control

The use of non-certified devices for aerodynamic control 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 vehicle at a standstill or at idle or high speed: under these conditions the engine warms up much more slowly, increasing consumption and emissions. It is therefore advisable to move off immediately, slowly, avoiding high speeds: in this way the engine will warm up more quickly.

Unnecessary actions

Avoid revving up when at traffic lights or before stopping the engine. This and also double declutching is absolutely pointless on modern cars and also increases consumption and pollution.

Gear selection

Use a higher gear as soon as traffic and road conditions allow. 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.

Maximum 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

Sudden acceleration has a very negative effect on fuel consumption and emissions: accelerate gradually.

CONDITIONS OF USE

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

Cold starting

Short distances and frequent cold start-ups will prevent the engine from reaching optimal running temperature.

Consequently, both consumption (from +15 to +30% on urban cycle) and emissions will increase.

Traffic and road conditions

Rather high fuel consumption is caused by heavy traffic, for instance when travelling in a queue with frequent use of low gears or in large towns with many traffic lights. Winding mountain roads and rough road surfaces also adversely affect consumption.

Stops in traffic

During prolonged stops (e.g. level crossings) the engine should be switched off.

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TOWING TRAILERS

IMPORTANT NOTES

The vehicle must be provided with a type-approved tow hook and adequate electrical system to tow caravans or trailers. Installation should be carried out by specialised personnel who will issue the required papers for travelling on roads.

Fit 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 relative to the overall weight of the trailer.

Engage a low gear when driving downhill, rather than constantly using the brake.

The weight of the trailer on the vehicle tow hook will reduce the loading capacity of the vehicle by the same amount. Consider the weight of the trailer fully laden, including accessories and luggage, to make sure you do not exceed the maximum towable weight (shown on the vehicle registration document).

Respect the speed limits specific to each country for vehicles towing trailers. In any case, the maximum speed must not exceed 100 km/h.

You are advised to fit a suitable stabiliser to the trailer drawbar.



WARNING

The ABS device with which the vehicle 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 vehicle to control the trailer brake. The trailer braking system must be fully independent from the hydraulic system of the vehicle.

INSTALLING THE TOW HOOK

The towing device should be fixed to the body by specialised personnel in accordance with any additional information supplied by the manufacturer of the device.

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

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

For the electrical connection, a standard connector should be used which is generally placed on a special bracket normally fixed to the towing device, and a special control unit for external trailer light control must be installed on the vehicle. For the electrical connection, 7 or 13 pin 12 V DC connections are to be used (CUNA/UNI and ISO/DIN Standards). Follow the instructions provided by the vehicle manufacturer and/or the tow hitch manufacturer.

Any electric brake or winch should be powered directly by the battery through a cable with a cross-section of no less than 2.5 mm².

IMPORTANT Electric brakes or other devices must be used with engine running.

In addition to the electrical branches, the vehicle's electrical system can be connected only to the supply cable for an electric brake and to the cable for an internal trailer light, though not more than 15 W. For connections, use a preset control unit with battery cable no less than 2.5 mm².

IMPORTANT The trailer tow hook contributes to the length of the vehicle. When installing on long wheelbase versions, it is only possible to install removable tow hooks because the total vehicle length limit of 6 metres is exceeded.

If no trailer is fitted, the hook must be removed from the attachment base and it must not exceed the vehicle's original length.

IMPORTANT If you wish to leave the tow hook fitted without towing a trailer, it is advisable to contact a Fiat Dealership for the relevant system update operations because the tow hook could be detected as an obstacle by the central sensors.

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Installation diagram for Van versions fig. 164

The tow hook structure must be fastened in the points shown by the symbol \emptyset using a total of 6 M10x1.25 screws and 4 M12 screws.

The internal back plates must be at least 5 mm thick.
MAX LOAD ON BALL: 100/120 kg according to the payload (see “Weights” table in the “Technical data” section).



WARNING

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

To install a tow hook, the bumpers must be trimmed as described in the supplier's installation kit.

Installation diagram for Truck and Chassis Cab versions fig. 165

Another tow hook specific to Truck and Chassis Cab versions is shown in fig. 165.

The structure \emptyset must be fixed in the points indicated using a total of 6 M10x1.25 screws and 4 M12 screws.

MAX LOAD ON BALL: 100/120 kg according to the payload (see “Weights” table in the “Technical data” section).



WARNING

After fitting, the screw holes must be sealed to prevent exhaust gas from entering.

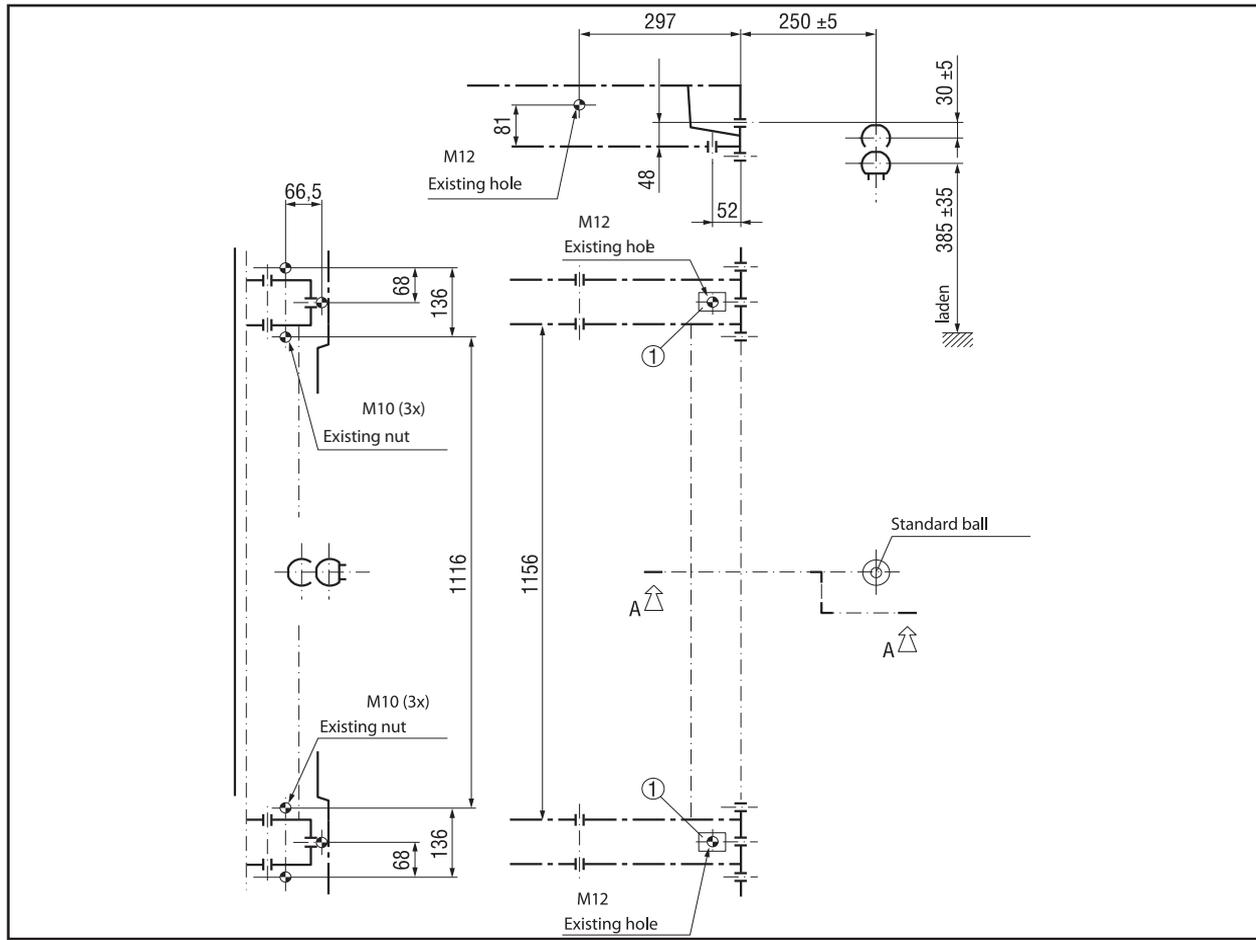


fig. 164

F0N0189

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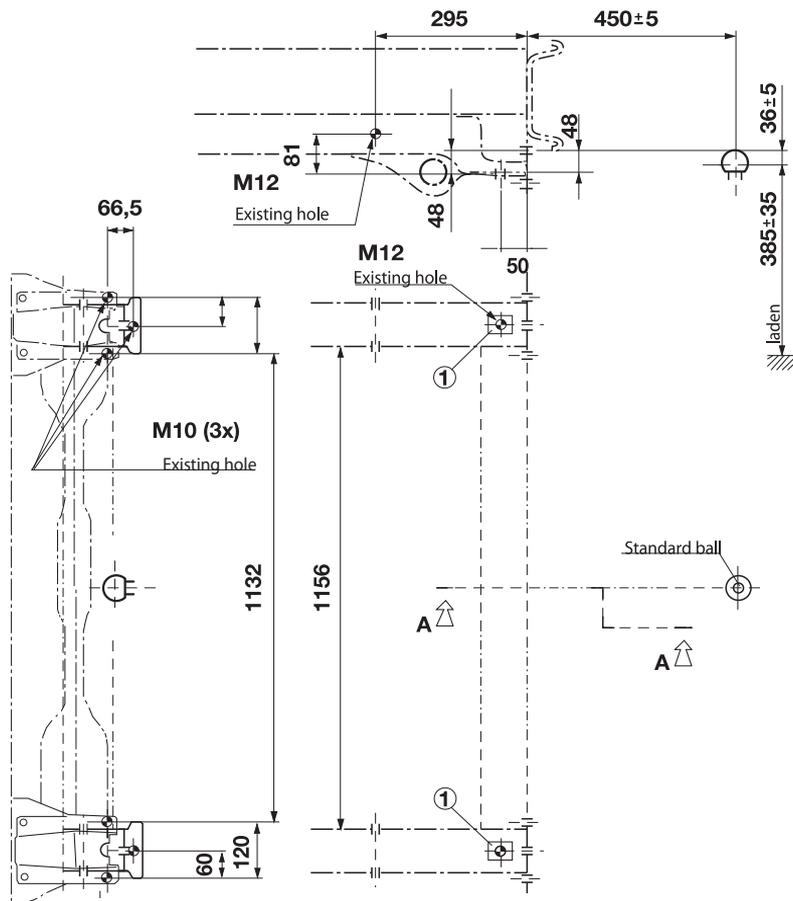


fig. 165

F0N0250

SNOW TYRES

Any Fiat Dealership will be available to provide advice concerning the most suitable type of tyre for the customer's requirements.

The performance of these tyres is considerably reduced when the tread depth is less than 4 mm. Replace them in this case.

Due to their specific features, the performance of snow tyres is much lower than that of normal types in normal conditions or long motorway stretches. 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 vehicle (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 good driveability.

Remember that you should not change the rotation direction of the tyres.



WARNING

The maximum speed for snow tyres marked "Q" is 160 km/h, while it is 190 km/h for "T" tyres and 210 km/h for "H" tyres. You should, however, always stick to the speed limits of the highway code.

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SNOW CHAINS

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

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

Use of Lineaccessori Fiat snow chains is recommended. Check the tension of the snow chains after the first few metres have been driven.

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

IMPORTANT Use low-clearance snow chains.



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 vehicle and the roadbed.

PROLONGED VEHICLE INACTIVITY

If the vehicle needs to be off the road for longer than one month, the following precautions must be taken:

- park the vehicle indoors in a dry and, if possible, well-ventilated place;
- engage a gear;
- check that the handbrake is not engaged;
- disconnect the negative battery terminal and check the battery charge. Repeat this check once every three months during storage. Recharge if the optical indicator shows a dark colour without the central green area (see "Battery recharging" in the section "Dashboard and controls"); If the vehicle is equipped with a battery disconnection function (disconnecter), see the description of the procedure in the "Controls" paragraph in the "Dashboard and controls" section;
- 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;
- slightly open the windows;

- cover the vehicle with a piece of fabric or perforated plastic sheet. Do not use compact plastic tarpaulins, which prevent humidity from evaporating from the surface of the vehicle;
- inflate tyres to +0.5 bar above the standard specified pressure and check it at intervals;
- if you don't disconnect the battery from the electric system, check its charge every month and recharge it if the optical indicator shows a dark colour without the central green area;
- do not drain the engine cooling system.

IMPORTANT If the vehicle is equipped with an alarm system, switch off the vehicle alarm with the remote control.

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WARNING LIGHTS AND MESSAGES

The warning light switches on together with (where the instrument panel permits) a specific message and/or acoustic signal. These indications are indicative and precautionary and as such must not be considered as exhaustive and/or alternative to the information contained in the Owner Handbook, which you are recommended to read carefully in all cases. Always refer to the information in this chapter in the event of a failure indication.

IMPORTANT The failure indicators appearing on the display are divided into two categories: very serious and less serious faults.

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

Less serious faults are indicated by "warning" cycle with a shorter duration.

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 failure is eliminated.

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



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

Turning the key to the **MAR-ON** position switches on the warning light, but it should switch off after a few seconds.

Low brake fluid

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.

A specific message is displayed on certain versions.



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.

Handbrake engaged

The warning light turns on when the handbrake is engaged.

On certain versions, if the vehicle is in motion, the warning light switches on together with an acoustic signal.

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



AIR BAG FAILURE (red)

Turning the key to the MAR-ON position switches on the warning light, but it should switch off after a few seconds.

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

A specific message is displayed on certain versions.

The air bag failure warning light  switches on if the passenger bag disabled warning light is faulty.



WARNING

If the warning light  does not switch on when the key is turned to MAR-ON or stays on when driving, there may be a fault with the restraint systems. In this case, the air bags or the pretensioners may not be activated in the case of an accident or (in a lesser number of cases) they may be activated incorrectly. Contact a Fiat Dealership immediately to have the system checked.

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EXCESSIVE ENGINE COOLANT TEMPERATURE (red)

Turning the key to the MAR-ON position switches on the warning light, but it should switch off after a few seconds. The warning light turns on when the engine is overheated. If the warning light switches on, proceed as follows:

- When driving normally: stop the car, switch off the engine and check that the coolant 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 reservoir cap. Top up with coolant, making sure that the level of fluid is between the MIN and MAX references on the reservoir. Also check visually for leaks. If, when restarting, the warning light switches 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 light stays on, stop the vehicle. Wait for 2 or 3 minutes with the engine running and slightly accelerated to further favour the coolant circulation. Then stop the engine. Check correct fluid level in the reservoir as described above.

IMPORTANT Under severe use of the car, it is advisable to keep the engine on and slightly accelerated for a few minutes before switching it off. On some versions the display shows the dedicated message.



LOW BATTERY CHARGE (red)

The warning light switches on when the ignition key is turned to MAR-ON, but it should switch off as soon as the engine has started (with the engine idling, a brief delay before switching off is acceptable). If the warning light stays on, contact a Fiat Dealership immediately.



ON CONSTANTLY: INSUFFICIENT ENGINE OIL PRESSURE (red) / FLASHING: ENGINE OIL DETERIORATED (red) (MultiJet versions with DPF only)

When the ignition key is turned to MAR-ON, the warning light switches on, but should switch off as soon as the engine has started.

1. Insufficient engine oil pressure

The warning light switches on constantly, together with a message (for versions/markets, where provided) on the display, when the system detects that engine oil pressure is too 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 deteriorated (Multijet versions with DPF only)

The warning light  starts to flash together with a message on the display (for versions/markets, where provided) when the system detects that the engine oil has deteriorated.

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

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. Contact a Fiat Dealership.

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

- mainly town use of the vehicle which makes the DPF regeneration process more frequent
- use of the vehicle for short trips, preventing the engine from reaching operating temperature
- repeated interruption of the regeneration process, signalled by the DPF warning light coming on.



Deteriorated engine oil should be replaced as soon as possible after the warning light comes on, and never more than 500 km after it first switches on. 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, never top up with oil when the light starts flashing.

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INCOMPLETE DOOR/LOAD COMPARTMENT CLOSURE (red)

On certain versions the warning switches turns on when one or more doors or the load compartment are not completely shut.

On some versions, the display shows a dedicated message that indicates left/right front door or rear/load compartment door opening.

An acoustic signal is emitted with the doors open and the vehicle in motion.



SEAT BELTS NOT FASTENED (red)

The warning light on the panel will switch on constantly when the vehicle is moving and the driver's seat belt is not correctly fastened. The warning light will flash and a buzzer will sound if the front seat belts are not correctly fastened with the vehicle in motion.

The SBR (Seat Belt Reminder) system's buzzer can be disabled only by a Fiat Dealership.

On some versions the system can be reactivated from the setup menu.



EBD FAILURE (red) (amber)

Simultaneous switching on of the (ABS) and (!) warning lights while the engine is running indicates an EBD system fault 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 immediately.

A specific message is displayed on certain versions.



INJECTION SYSTEM FAILURE (amber)

In normal conditions, when the ignition key is turned to MAR-ON, the warning light switches on, but should switch off when the engine starts.

The warning light staying on or switching on when travelling signals malfunction in the injection system which could cause possible lack of performance, poor handling and high consumption levels.

A specific message is displayed on certain versions.

Under these conditions, you may continue travelling at a moderate speed without demanding excessive effort from the engine. In any case, you should go to a Fiat Dealership as soon as possible.



FRONT PASSENGER AIR BAG DEACTIVATED (amber)

(for versions/markets, where provided)

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

With the front passenger air bag enabled, when the ignition key is turned to MAR-ON, the warning light switches on constantly for about 4 seconds then switches off.

If the warning light flashes to report a failure of the warning light , the passenger's protection is deactivated for markets where passenger air bag deactivation is available, otherwise it remains on.



WARNING

Warning light indicates fault of warning light . This condition is indicated by intermittent flashing of warning light for more 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.



ABS SYSTEM FAILURE (amber)

Turning the key to the MAR-ON position switches on the warning light, but it should switch off after a few seconds.

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

A specific message is displayed on certain versions.



FUEL RESERVE (amber)

When the key is turned to MAR-ON, the warning light switches on, but it should switch off after a few seconds. The warning light switches on when there are about 10-12 litres of fuel (for versions with tank capacity 90-120 l) or 10 l (for versions with tank capacity 60 l) remaining in the tank.

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

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GLOW PLUG HEATING/GLOW PLUG HEATING FAILURE (amber)

Glow plug heating

This warning light switches on when the key is turned to MAR-ON. It will switch off as soon as the glow plugs have reached a preset temperature.

Start the engine as soon as the warning light switches off.

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

Glow plug heating failure

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

A specific message is displayed on certain versions.



WATER IN DIESEL FILTER (amber)

Turning the key to the MAR-ON position switches on the warning light, but it should switch off after a few seconds.

The warning light  switches on when there is water in the diesel filter.

A specific message is displayed on certain 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 (on some versions together with the dedicated message on the display), contact 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.



FIAT CODE VEHICLE PROTECTION SYSTEM FAILURE (amber)

When the key is turned to MAR-ON, the warning light should flash once and then switch off.

When the warning light comes on constantly, with key in MAR-ON, this indicates:

- a potential failure (refer to "The Fiat CODE system" in the chapter "Know your vehicle").
- a possible break-in attempt with an alarm; in this case the warning light switches after approximately 10 seconds.

If, with the engine running, the warning light  flashes, the vehicle is not protected by the engine inhibitor device (see "Fiat Code system" in chapter "Know your vehicle").

Contact a Fiat Dealership to have all the keys stored in the memory.



EXTERNAL LIGHT FAILURE (amber)

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

- side lights
- brake lights
- rear fog lights

direction indicators

reversing lights.

The fault relating to these lights could be: one or more blown bulbs, a blown protection fuse or a break in the electrical connection.

A specific message is displayed on certain versions.



REAR FOG LIGHTS (amber)

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



GENERIC FAILURE INDICATION (amber)

The warning light switches 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.

Fuel cut-off inertia switch tripped

The warning light switches on when the fuel cut-off inertia switch is triggered.

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The display shows a dedicated message.

Rain sensor failure

The warning light switches on when a rain sensor fault is detected. Contact a Fiat Dealership.

The display shows a dedicated message.

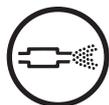
Parking sensor failure

See description for warning light .

Daytime running light failure (with multifunction display)

The warning light comes on when a daylight fault is detected.

The display shows a dedicated message.



DPF (PARTICULATE FILTER) CLEANING IN PROGRESS (amber)

(for versions/markets, where provided)

Turning the key to the MAR-ON position switches on the warning light, but it should switch off after a few seconds.

The warning light switches on constantly to inform the driver that the DPF system needs to eliminate the trapped pollutants (particulate) through the regeneration process.

The warning light does not come on during every DPF regeneration, but only when driving conditions require that the driver is notified. The warning light will go off if the vehicle stays in motion until regeneration has been completed. As an average, the process lasts fifteen minutes.

The best conditions to complete the regeneration process are reached by driving the vehicle at about 60 km/h with engine speed above 2000 rpm. When this warning light comes on, it does not indicate a vehicle failure and it should not therefore be taken to a workshop.

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



During regeneration, the fan could be operated.



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 may be stopped the DPF light is on; however, repeated interruption of the regeneration process may result in premature deterioration of the engine oil. For this reason, always wait until the warning light switches off before stopping the engine as described above. It is not advisable to complete DPF regeneration with the vehicle stationary.



ESP-ASR SYSTEM / TRACTION PLUS FAILURE (amber) - HILL HOLDER FAILURE (amber)

(for versions/markets, where provided)

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

ESP-ASR system/TRACTION PLUS warning light

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

A dedicated message is displayed on certain versions.

Note Flashing of the warning light while driving indicates the action of the ESP system.

Hill Holder system failure

The warning light will turn on when the Hill Holder system is faulty. In this case, contact a Fiat Dealership as soon as possible.

A dedicated message is displayed on certain versions.



BRAKE PAD WEAR (amber)

The warning light switches on if the front brake pads are worn. In this case replace them as soon as possible.

A dedicated message is displayed on certain versions.



PARKING SENSOR FAILURE (amber)

(for versions/markets, where provided)

The warning light switches on when a fault is detected in the parking sensors.

On certain versions, warning light  switches on instead.

In this case, contact a Fiat Dealership.

A dedicated message is displayed on certain versions.

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**DIPPED BEAM HEADLIGHTS**
(green) - FOLLOW ME HOME
(green)**Dipped beam headlights**

The warning light switches on when the dipped beam headlights are switched on.

Follow me home

The warning light switches on when this device is active (see “Follow me home” in chapter “Know your vehicle”).

The display shows a dedicated message.

**FOG LIGHTS (green)**

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

**LEFT-HAND DIRECTION INDICATOR (green - intermittent)**

The light comes on when the direction indicator control stalk is moved downwards or, together with the right-hand indicator, when the hazard warning light button is pressed.

**RIGHT DIRECTION INDICATOR**
(green - intermittent)

The warning light switches on when the direction indicator control lever is moved upwards or, together with the left indicator, when the hazard warning light button is pressed.

**CRUISE CONTROL (green)**

(for versions/markets, where provided)

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

The warning light on the panel switches on when the Cruise Control ring nut is turned to ON. On certain versions a dedicated message is displayed.

**MAIN BEAMS (blue)**

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



POWER STEERING FAILURE (red)

When the ignition key is turned to MAR-ON the warning light on the panel switches on, but it should switch off after a few seconds.

If the warning light stays on together with the message shown on the display and an acoustic signal, the power steering is ineffective and the effort on the steering wheel increases significantly even though the vehicle can be steered. Contact a Fiat Dealership.



SELF-LEVELLING SUSPENSION FAILURE (red)

(for versions/markets, where provided)

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

The warning light switches on when a fault is present in the self-levelling suspension system.



AUTOMATIC TRANSMISSION FAILURE/TRANSMISSION OIL MAXIMUM TEMPERATURE (red)

(for versions/markets, where provided)

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

The warning light on the panel begins to flash (together with a message in the display and a acoustic signal) to indicate that the gearbox is faulty.

The warning light on the panel switches on constantly (together with the display of the message and an acoustic signal) to indicate that the automatic transmission oil temperature is too high.

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 the dedicated message (only for versions with a multifunction display).

LIMITED RANGE

The display shows a dedicated message to warn the driver that the vehicle's range is less than 50 km.

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SPEED LIMIT EXCEEDED

The display shows the dedicated message when the vehicle exceeds the set speed limit (see “Multifunction Display” in chapter “Know your vehicle”).

SCHEDULED SERVICING

(for versions/markets, where provided)

The display shows the dedicated message next to the scheduled servicing warning and stays on until the service deadline is reached. The warning light goes off after the service has been carried out at a Fiat Dealership or once 1000 km have been covered at the service deadline.

DAYLIGHT FAILURE (with reconfigurable multifunction display)

The display shows the dedicated message together with the external light failure icon when daytime running light failure is detected.

IN AN EMERGENCY

In an emergency, we recommend that you call the freephone number found in the **Warranty Booklet**. You can also go to the www.fiat.com website to find your nearest **Fiat Dealership**.

STARTING THE ENGINE

Contact to a Fiat Dealership immediately if instrument panel warning light  comes on constantly.

JUMP STARTING

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

It is advisable to contact a Fiat Dealership to check/replace the battery.

Proceed as follows to start the car:

- raise the flap A fig. 166 to gain access to the positive battery terminal.
- connect the positive terminals (sign + near the terminal) of the two batteries with a jump lead;
- use a second cable to connect the negative terminal (-) of the auxiliary battery to the earth point as shown in fig. 167;
- start the engine;
- when the engine has been started, remove the leads reversing the order above.



WARNING

This procedure must be performed by expert personnel because incorrect actions could cause electrical discharge of considerable intensity. Furthermore, battery fluid is poisonous and corrosive: avoid contact with skin and eyes. Keep naked flames and lighted cigarettes away from the battery and do not cause sparks.

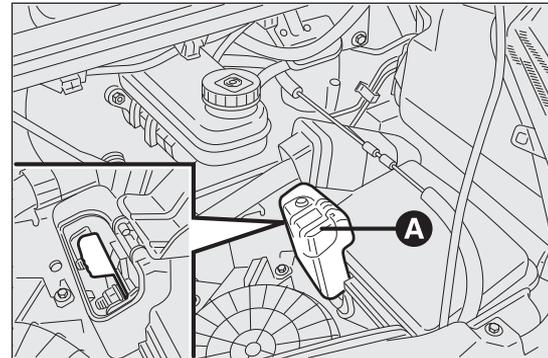


fig. 166

F0N0075

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If after a few attempts the engine does not start, do not keep trying 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 vehicle, avoid any metal parts on the latter and the vehicle with the flat battery from accidentally coming into contact.

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 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.

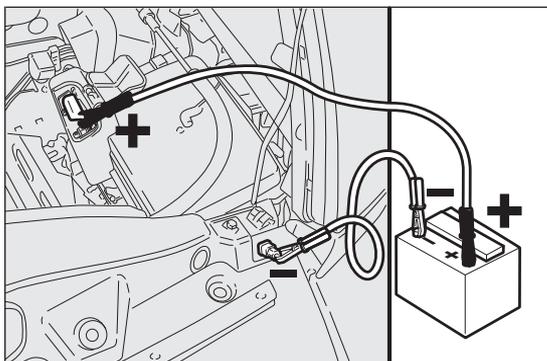


fig. 167

F0N0076

REPLACING A WHEEL

GENERAL INSTRUCTIONS

Wheel changing and correct use of the jack and spare wheel (for versions/markets, where provided) call for some precautions, which are listed below.



WARNING

Indicate that the vehicle is stationary according to the regulations in force: emergency lights, refracting warning triangle, etc. Passengers should leave the vehicle, particularly if it is very loaded, and wait for the wheel to be changed away from on-coming traffic. Apply the handbrake.



WARNING

The spare wheel supplied (for versions/markets, where provided) is specific for your vehicle. Therefore, it must not be used on other models. Do not use spare wheels of other models on your vehicle. The wheel bolts are specific for your vehicle: do not use them on different models and do not use bolts from other models on your car.



WARNING

Repair and refit the standard wheel as soon as possible. Do not grease the threads of bolts before fitting them: they might slip out.



WARNING

Use the jack only to replace wheels on the vehicle with which it is supplied or on other vehicles 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 vehicle. Incorrect positioning of the jack may cause the lifted vehicle to fall. Do not use the jack for loads higher than those shown on the label.



WARNING

Never tamper with the inflating valve. Never introduce tools of any kind between rim and tyre. Check tyre and spare wheel pressure regularly, referring to the values shown in the "Technical specifications" section.

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Please note that:

- the jack weight is 4.5 kg;
- the jack requires no adjustment;
- the jack cannot be repaired: 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.

**WARNING**

No tools other than the crank provided should be used with the spare wheel lifting device; it should be operated by hand only.

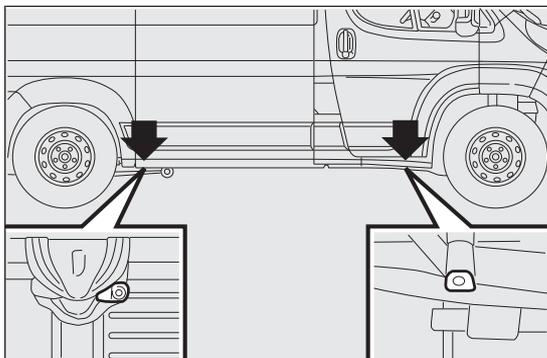


fig. 168

F0N0193

To change a wheel proceed as follows:

- stop the vehicle 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 hand-brake;
- engage first gear or reverse;
- put on the reflective safety jacket (compulsory by law in certain countries) before getting out of the vehicle;
- indicate that the vehicle has broken down using the devices required by the law in the current country (e.g. warning triangle, hazard lights, etc.);
- take the extension arm and the wrench from the tool kit under the passenger seat (see “Compartment under front passenger seat” in the “Know your vehicle” section);
- for versions with alloy rims, remove the press-fitted hub cap;
- loosen the bolts on the wheel to be replaced by one turn;
- turn the wheel to extend the jack partly;
- arrange the jack near the lift support closest to the wheel to be replaced at the points shown in fig. 168. For short wheelbase versions with retractable footboard, the jack must be positioned at the lift point shown in fig. 169 aligned (45°) so that it does not interfere with the retractable footboard;

- warn all bystanders that the vehicle is about to be lifted. They must stay clear and not touch the vehicle until it is back on the ground.
- for versions equipped with self-levelling air suspension, before raising the vehicle with the jack, press buttons A and B fig. 170 simultaneously for at least 5 seconds. The operating mode for raising the vehicle is activated: the LEDs on the buttons come on constantly. To exit this mode, press buttons A and B simultaneously for another 5 seconds; both LEDs on the buttons will go out and full system operation will be restored. This mode deactivates automatically when the speed of approx. 5 km/h is exceeded.

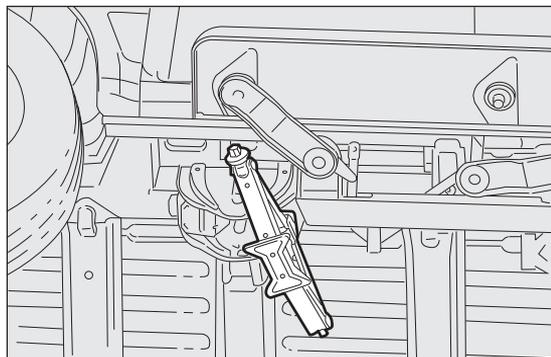


fig. 169

F0N0194



WARNING

On versions equipped with self-levelling air suspension, never introduce the head or hands in the wheel arch: the vehicle could raise or lower automatically depending on possible load or temperature changes.

- lift the vehicle.

After lifting the vehicle:

- for all versions, when gaining access through the vehicle's right rear wheel arch, adjust the screw A fig. 171 for the wheel retaining device, using the wrench provided with the extension/adaptor B;

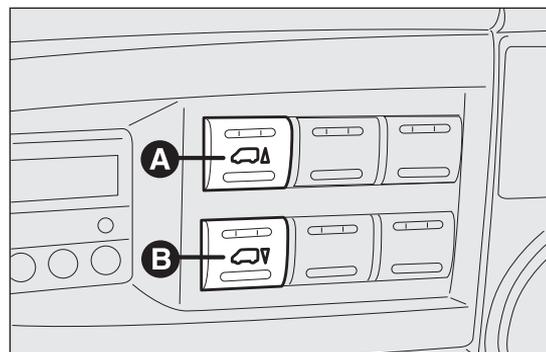


fig. 170

F0N0677

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- turn wrench C fig. 172 anticlockwise 1 to allow the lowering of the spare wheel;
- continue turning anticlockwise until the stop point, indicated by the stiffening of the manoeuvre or a click from the clutch present in the device;

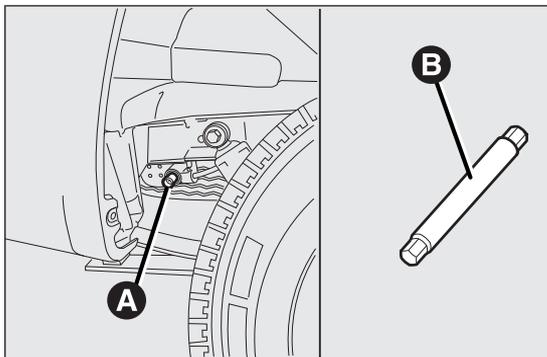


fig. 171

F0N0835

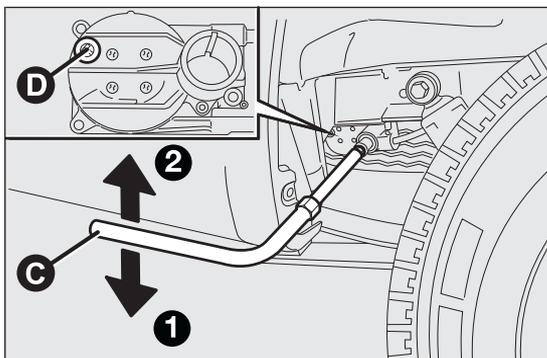


fig. 172

F0N0836

**WARNING**

The device should only be operated by hand, without using any type of tool other than the crank provided, like pneumatic or electrical screwdrivers.

- use the wheel dismantling spanner to remove the wheel from the vehicle fig. 173;
- unscrew the retaining knob D fig. 174 and release the wheel releasing the support E.

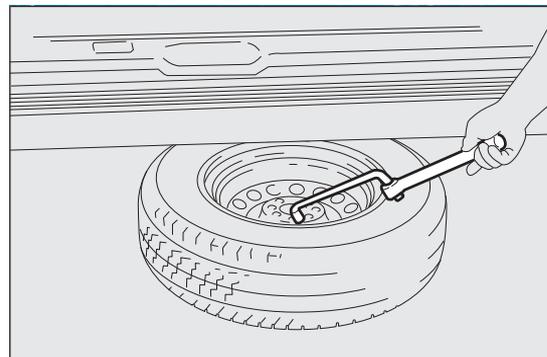


fig. 173

F0N0165



WARNING

The moving components of the jack (screws and joints) can also cause injuries: avoid touching them. If you come into contact with lubricating grease, clean yourself thoroughly.

- use wrench F fig. 175 to completely unscrew the bolts and remove the wheel;
- fit the spare wheel, aligning holes G fig. 176 with the pins H. When fitting the spare wheel, ensure that the wheel support surfaces are clean and free of impurities that could subsequently cause the bolts to loosen;
- screw in the 5 fastening bolts;

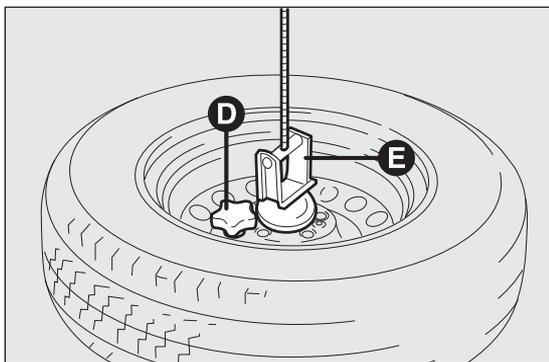


fig. 174

F0N0370

- use the wheel removal wrench to lower the vehicle and remove the jack;
- fully tighten the bolts, passing alternately from one bolt to the one diametrically opposite, following the order illustrated in fig. 176.

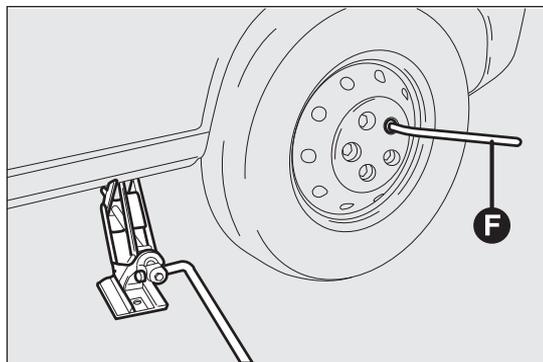


fig. 175

F0N0167

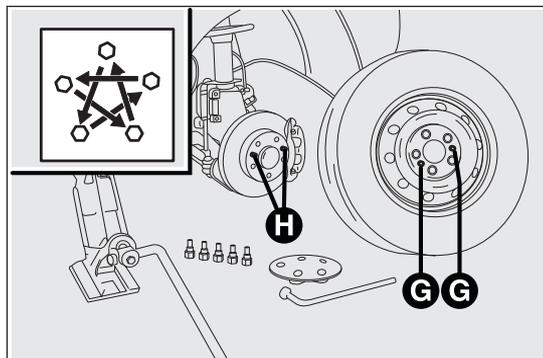


fig. 176

F0N0168

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At the end of the operation:

- take the removed wheel, re-attach to the mount E fig. 174 and tighten the knob D;
- introduce the supplied wrench C fig. 172 with the suitable extension B fig. 171 on the screw A fig. 171 of the spare wheel housing manoeuvring device and turn clockwise 2 to lift the spare wheel back up until it is fully supported in its housing beneath the floor pan, checking that the attachment reference D fig. 172 appears in the window on the device.



WARNING

At the end of the operation of raising/locking the spare wheel, the wrench must be extracted, taking care not to turn it in the wrong direction to facilitate the extraction of the wrench itself, to prevent the attachment device from being released and the wheel assembly not being securely retained fig. 177.

For vehicles with alloy rims, proceed as follows:

- take the kit from the tool box;
- fit the appropriate plate A fig. 178 on the alloy wheel and fix it with the screws supplied B, using the wrench provided;
- re-attach the wheel to the support, rotating it to the end of the slot (as illustrated in fig. 179) and screw in knob D;
- introduce the supplied wrench C fig. 172 with the suitable extension B fig. 171 on the screw A fig. 171 of the spare wheel housing manoeuvring device and turn clockwise 2 to lift the spare wheel back up until it is fully supported in its housing beneath the floor pan, checking that the attachment reference D fig. 172 appears in the window on the device.

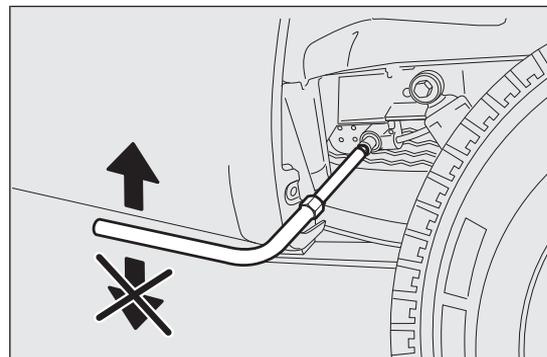


fig. 177

F0N0837

- Check the correct position of the replaced wheel under the floor (the lifting system is supplied with a clutch to limit the end of the stroke). Incorrect positioning may jeopardise safety;
- place the removal wrench back in the tool box;
- place the tool box in its housing under the passenger seat.



WARNING

Each time the spare wheel is moved, check that it is correctly positioned in its housing under the floor. If it is not correctly positioned, this could adversely affect safety.

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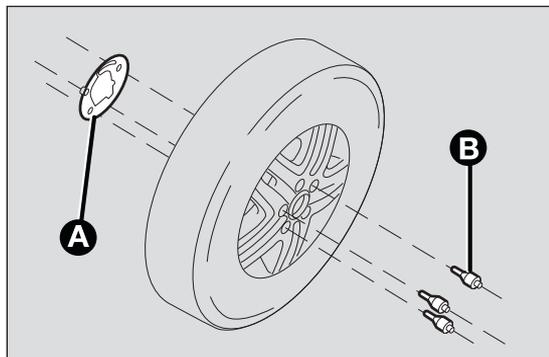


fig. 178

F0N0251

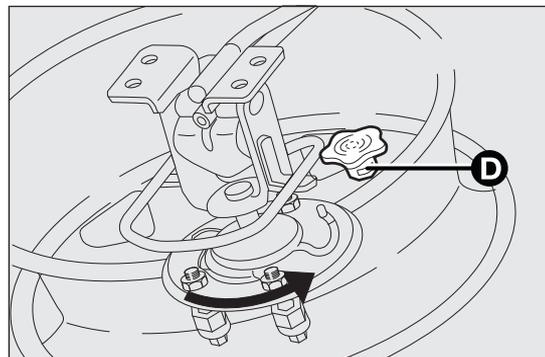


fig. 179

F0N0371

AUTOMATIC FIX & GO QUICK TYRE REPAIR KIT

(for versions/markets, where provided)

The Fix & Go automatic tyre repair kit is positioned at the front of the vehicle passenger compartment and includes fig. 180:

- bottle A containing sealer and fitted with:
 - a transparent filler pipe B;
 - a black pressure restoring pipe E;
 - an adhesive label C with the message “max. 80 km/h” to be applied in a position clearly visible by the driver (on the instrument panel) after repairing the tyre;
- instruction brochure (see fig. 181), to be used for prompt and correct use of the quick repair kit and then to be handed to the personnel charged with handling the tyre treated with the tyre repair kit;

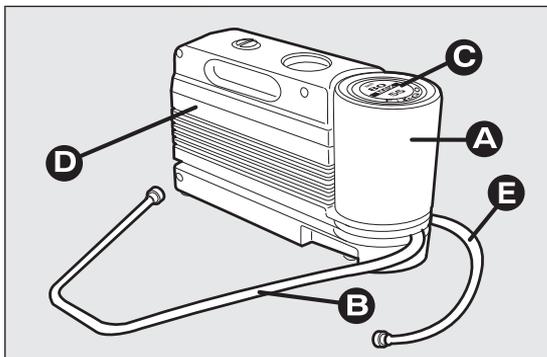


fig. 180

F0N0825

- a compressor D complete with pressure gauge and connectors;
- a pair of protective gloves located in the side compartment of the compressor;
- adapters for inflating different elements.



WARNING

Give the instruction booklet to the personnel charged with handling the treated tyre.



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.

① SOLO PER RIPARAZIONE PNEUMATICO
② FOR TYRE REPAIR ONLY
③ SEULEMENT POUR RÉPARATION PNEU

④ NUR FÜR REIFENREPARATUR
⑤ SÓLO PARA REPARACIONES NEUMÁTICAS



① SOLO PER RIPRISTITO PRESSIONE
② FOR PRESSURE RESTORE ONLY
③ SEULEMENT POUR REMETTRE LA
PRESSION À L'ÉTAT INITIAL

④ NUR FÜR DRUCKWIEDEREINFÜHRUNG
⑤ SÓLO PARA REPOSICIÓN PRESIÓN



fig. 181

F0N0178



WARNING

Holes and damage on the tyre side walls cannot be repaired. Do not use the quick tyre repair kit if the damage is due to running with flat tyre.



WARNING

Repairs are not possible in the case of damage to the wheel rim (bad groove distortion causing air loss). Do not remove the foreign body (screw or nail) from the tyre.

IMPORTANT INFORMATION:

The sealing fluid of the quick tyre repair kit is effective at external temperatures of between -20 °C and +50 °C.

The sealing fluid has an expiration date.



WARNING

Do not operate the compressor for longer than 20 consecutive minutes. Risk of overheating. Tyres repaired with the quick tyre repair kit must only be used temporarily.



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.



WARNING

The cylinder contains ethyl glycol. Contains latex: may cause an allergic reaction. Harmful if swallowed. Eye irritant. May cause irritation if inhaled or on contact. Avoid contact with eyes, skin and clothes. In the event of contact, wash immediately with plenty of water. Do not induce vomiting if swallowed. Rinse your mouth and drink plenty of water. Call a doctor immediately. Keep away from children. The product must not be used by asthmatics. Do not breathe in the vapours during insertion and suction. Call a doctor immediately if allergic reactions are noted. Store the canister in its proper compartment, away from sources of heat. The sealing fluid has an expiration date. Replace the cylinder if the sealing fluid has expired.

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INFLATION PROCEDURE



WARNING

Put on the protective gloves provided together with quick tyre repair kit.

- Pull up the handbrake. Unscrew the tyre valve cap, take out the flexible filler pipe A fig. 182 and tighten the ring nut B on the tyre valve;
- insert the plug E fig. 184 in the nearest 12 V power socket and start the engine. Turn the selector D fig. 183 anticlockwise to the repair position. Activate the kit by pressing the on/off switch. Inflate the tyre to the pressure specified in the "Inflation pressure" paragraph, in the "Technical Data" chapter;

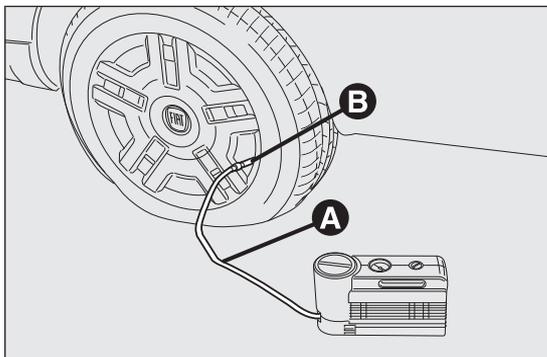


fig. 182

F0N0826

For a more accurate reading, it is advisable to check the pressure reading on the pressure gauge F fig. 183 with the compressor off and without moving the centre selector from the repair position;

- if after 10 minutes it is still impossible to reach at least 3 bar, release the transparent filler pipe from the valve and take out the 12 V plug, then move the vehicle forwards by about 10 metres in order to distribute the sealing fluid inside the tyre evenly, then repeat the inflation operation;
- if after this operation you still cannot reach at least 3 bar after 10 minutes, do not resume driving because the tyre is too damaged and the quick tyre repair kit cannot guarantee suitable sealing. Contact a Fiat Dealership;
- if the tyre reaches the pressure specified in "Inflation pressure" paragraph in the "Technical Data" section, start driving immediately;

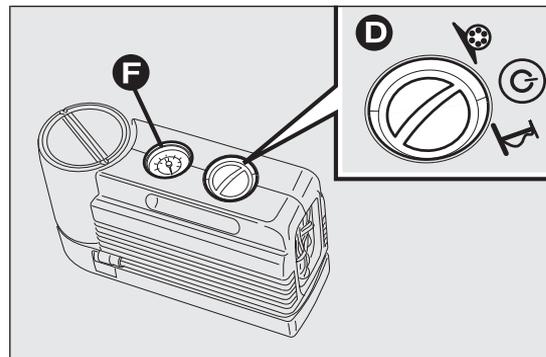


fig. 183

F0N0827



WARNING

Apply the adhesive label in a position clearly visible by the driver as a reminder that the tyre has been treated with the quick repair kit. Drive carefully, particularly on bends. Do not exceed 80 km/h. Do not accelerate or brake suddenly.

- after driving for about 10 minutes stop and check the tyre pressure again; remember to operate the handbrake;

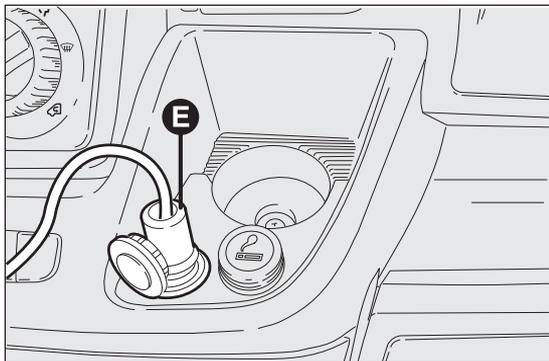


fig. 184

F0N0182



WARNING

If the pressure falls below 3 bars, do not drive any further: the quick tyre repair kit Fix & Go automatic cannot guarantee adequate hold because the tyre is too damaged. Contact a Fiat Dealership.

- if a pressure value of at least 3 bar is detected, restore the correct pressure prescribed in the paragraph “Inflation pressure” in “Technical specification” (with the engine running and the handbrake engaged), resume driving and drive with care to nearest Fiat Dealership.



WARNING

Inform the dealership that the tyre has been repaired using the quick tyre repair kit. Give the instruction booklet to the personnel charged with handling the treated tyre.



WARNING

If different tyres from the ones supplied with the vehicle are used, it may not be possible to carry out the repair. If the tyres are replaced, it is advisable to use those approved by the manufacturer. Consult a Fiat Dealership.

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FOR CHECKING AND RESTORING PRESSURE ONLY

The compressor may also be used for restoring pressure only.

- Pull up the handbrake.
- Undo the cap for the tyre valve, extract the pipe C fig. 185 with the quick connector and connect it directly to the valve of the tyre to be inflated.
- Insert the plug in the nearest 12 V power socket and start the engine.
- Rotate the selector clockwise to the pressure renewal position.
- Activate the kit by pressing the on/off switch. Inflate the tyre to the pressure specified in the "Inflation pressure" paragraph, in the "Technical Data" chapter.

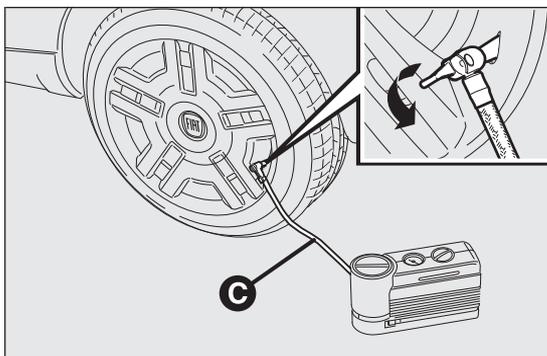


fig. 185

F0N0828

NOTE If the tyre has to be deflated, press the dedicated button B illustrated in fig. 186. For a more accurate reading, it is advisable to check the pressure reading on the pressure gauge with the compressor off and without moving the centre selector from the pressure renewal position.

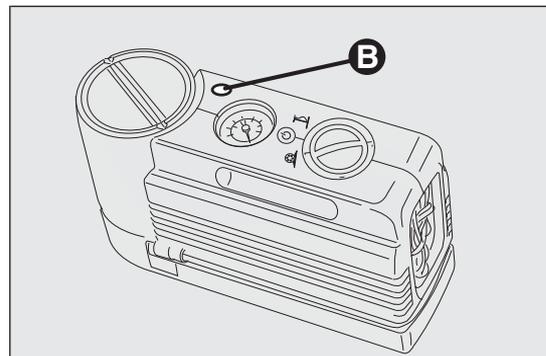


fig. 186

F0N0830

CYLINDER REPLACEMENT PROCEDURE

To replace the bottle, proceed as follows:

- press button A fig. 187 to release the part;
- fit the new cylinder and press until it is automatically engaged.

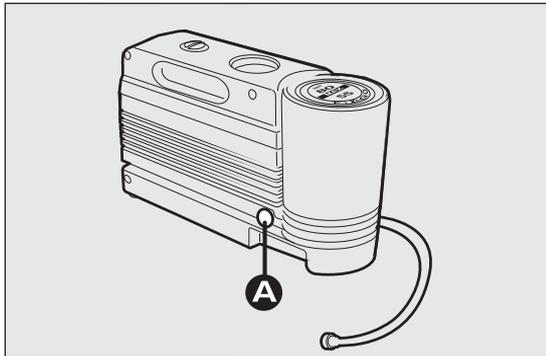


fig. 187

F0N0829

CHANGING A BULB

GENERAL INSTRUCTIONS

- When a light is not working, check that the corresponding fuse is intact before changing a bulb. For the location of fuses, refer to the paragraph "Replacing fuses" in this chapter.
- 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;



Halogen bulbs must be handled holding the metal 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. In case of accidental contact, wipe the bulb with a cloth moistened with alcohol and let the bulb dry.

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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.

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.

TYPES OF BULBS

Various types of bulbs are fitted to your car:

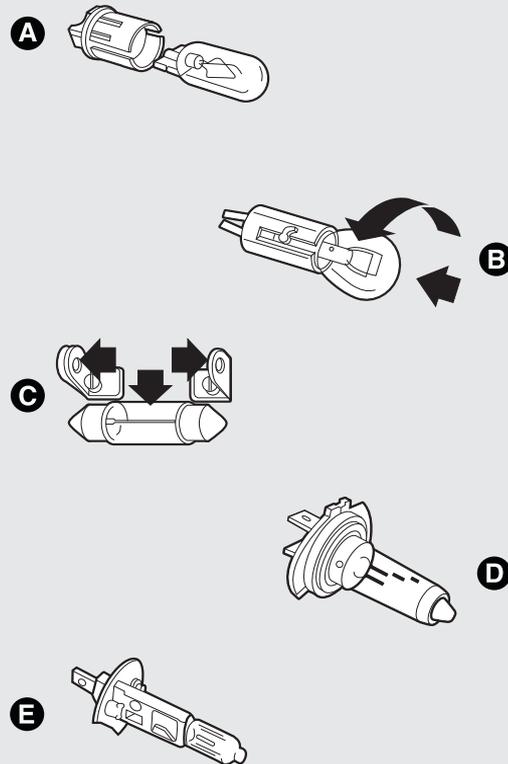
All-glass bulbs: (type A) press-fitted. Pull to remove.

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.



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	Bulbs	Type	Power	Figure ref.
KNOW YOUR VEHICLE	Main beam headlamps	H1	55W	D
	Dipped headlights/daytime running lights (*)	H15	15/55W	D
SAFETY	Dipped headlights	H7	55W	D
	Front side lights	W5W	5W	A
STARTING AND DRIVING	Fog lights(*)	H1	55W	-
	Front direction indicators	PY21W	21W	B
WARNING LIGHTS AND MESSAGES	Side direction indicators	W16WF(**) / WY5W (***)	16W (**) / 5W (***)	A
	Rear direction indicators	P21W	21 W	B
	Side lights	W5W	5W	A
IN AN EMERGENCY	Rear side lights	R10W	10 W	B
	Brake lights	P21W	21 W	B
	3rd brake light	P21W	21W	B
SERVICING AND MAINTENANCE	Reverse	P21W	21W	-
	Rear fog light / Maxi Van rear fog light	P21W	21W	-
	Number plate	C5W	5W	A
TECHNICAL SPECIFICATIONS	Front roof light (movable lens)	12V10W	10W	C
	Rear roof light	12V10W	10W	C

(*)for versions/markets, where provided

(**)XL and recreational versions

(***)all other versions

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REPLACING EXTERIOR BULBS

For the type of bulb and relative power rating, see the previous paragraph, “Changing a bulb”.

FRONT LIGHT CLUSTERS

The front light clusters contain side lights, dipped beam, main beam and direction indicator bulbs.

The bulbs are arranged inside the light cluster as follows fig. 188:

A direction indicators

B side lights/dipped headlights (double light)

C main beam headlights/daytime running lights

To replace a bulb of the main beam headlights/daytime running lights, remove cap C fig. 189.

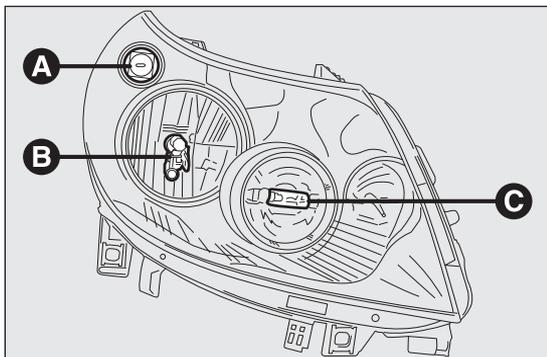


fig. 188

F0N0079

To replace a bulb of the dipped headlights/side lights, remove cap B fig. 189.

To replace the direction indicator bulb, remove bulb holder A fig. 189.

After replacement, refit the covers correctly, ensuring that they are locked in place.

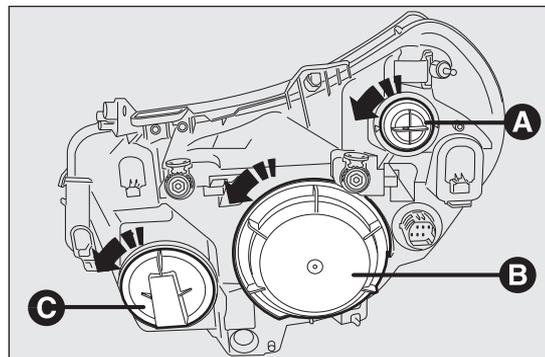


fig. 189

F0N0080

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SIDE LIGHTS

To replace the bulb, proceed as follows:

- remove protective cover B fig. 189, rotating anticlockwise;
- remove snap-fitted bulb holder A fig. 190, remove bulb B and replace it;
- refit the snap-fitted bulb holder A fig. 190;
- refit the protective cover B fig. 189, turning it clockwise and making sure that it locks correctly.

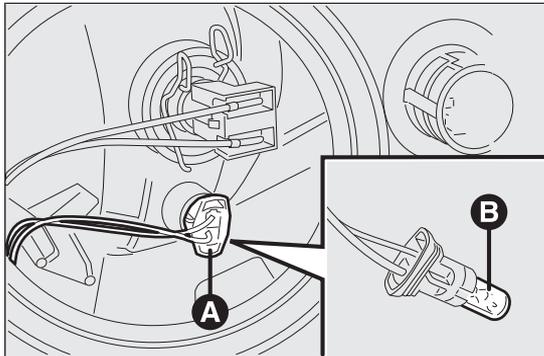


fig. 190

F0N0082

MAIN BEAM HEADLIGHTS

To replace the bulb, proceed as follows:

- remove protective cover C fig. 189, rotating it anticlockwise;
- disconnect electrical connector A fig. 191; release bulb holder catch B;
- remove the bulb C and replace it;
- fit the new bulb, ensuring that the outline of the metal part coincides with the grooves on the curve of the headlight, re-attach catch B and reconnect connector A;
- refit the protective cover C fig. 189, turning it clockwise and making sure that it locks correctly.

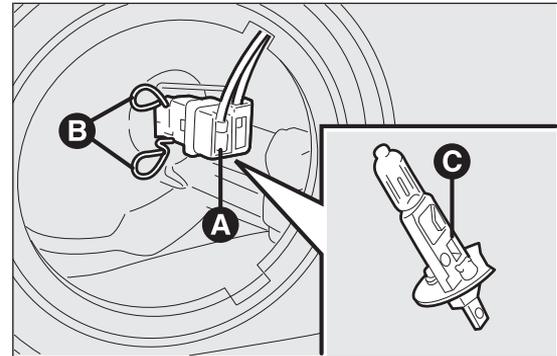


fig. 191

F0N0083

MAIN BEAM HEADLIGHTS/DAYTIME RUNNING LIGHTS

(for versions/markets, where provided)

To change the bulb, proceed as follows:

- remove protective cover C fig. 189, rotating it anticlockwise;
- disconnect the electrical connector A fig. 192;
- rotate bulb holder B fig. 192 anticlockwise and remove the unit;
- remove the bulb C and replace it;
- refit the bulb holder B and rotate it clockwise to lock;
- reconnect the electrical connector A;
- refit the protective cover by turning it clockwise making sure to lock it correctly.

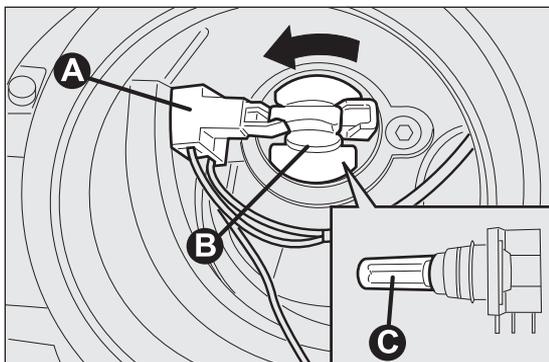


fig. 192

F0N0517

DIPPED BEAM HEADLIGHTS

With incandescent bulbs

To replace the bulb, proceed as follows:

- remove protective cover B fig. 189, rotating it anticlockwise;
- disconnect the electrical connector A fig. 193;
- release bulb holder catch B;
- remove the bulb C and replace it;
- fit the new bulb, ensuring that the outline of the metal part coincides with the grooves on the curve of the headlight, re-attach catch B and reconnect connector A;
- refit the protective cover by turning it clockwise making sure to lock it correctly.

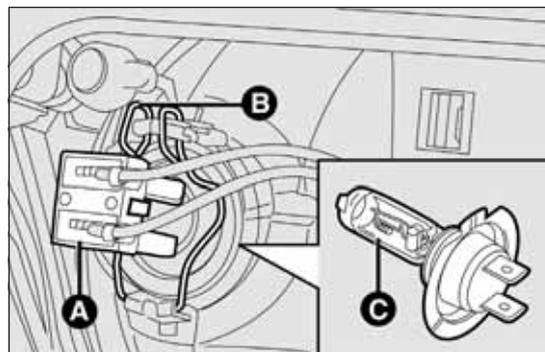


fig. 193

F0N0084

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DIRECTION INDICATORS

To replace the bulb, proceed as follows:

- turn bulb holder A fig. 194 anticlockwise and remove it;
- remove the bulb by pushing it slightly and turning it anticlockwise (bayonet mount);
- replace the bulb;
- refit the bulb holder, turning it clockwise and making sure that it locks correctly.

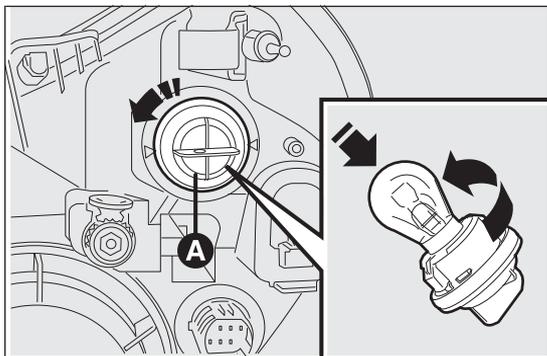


fig. 194

F0N0081

Side fig. 195

To change the bulb, proceed as follows:

- move the mirror manually to permit access to the two fixing screws A;
- using the Phillips screwdriver provided, undo the screws and extract the bulb holder assembly, releasing it from the teeth;
- undo the bulb and replace bulb B, turning it anticlockwise.

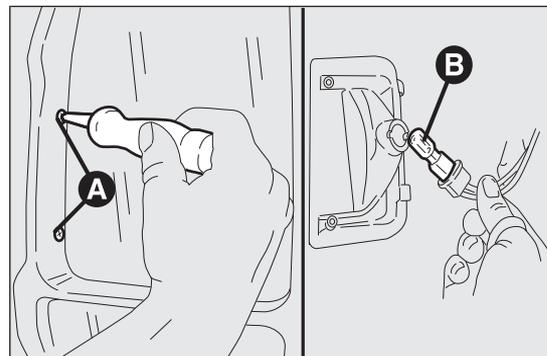


fig. 195

F0N0520

FOG LIGHTS

(for versions/markets, where provided)

To replace the front fog light bulbs A fig. 196, proceed as follows:

- turn the steering wheel completely to the left;
- open the flap on the front wheel arch, undoing the self-tapping screw;
- remove the bayonet cap and disconnect the connector;
- release the bulb holder catch; remove the bulb and replace it
- fit the new bulb, ensuring that the outline of the metal part coincides with the grooves on the curve of the headlight, re-attach the catch and reconnect the electrical connector;
- refit the bayonet cap.

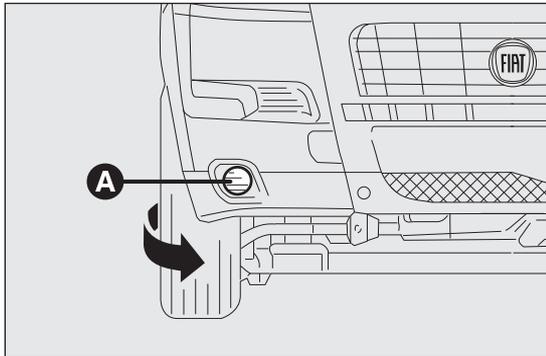


fig. 196

F0N0339

REAR LIGHT CLUSTERS

The bulbs are arranged inside the light cluster as follows fig. 197:

A brake/side lights

B direction indicators

C reverse lights

D rear fog lights (for Max Van versions, the rear fog lights are integral with the bumpers, see paragraph “Maxi Van rear fog lights”).

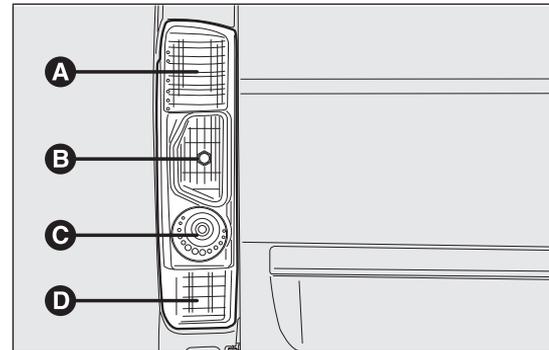


fig. 197

F0N0850

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To change a bulb, proceed as follows fig. 198:

- open the rear swing door and then undo the two fixing screws A;
- disconnect the central electric connector B and pull the lens unit outwards;
- unscrew the screws C fig. 199 using the screwdriver provided and remove the bulb holder;
- remove the bulb D, E, F, G pushing it gently and turning it anticlockwise (“bayonet” locking), then replace it;
- refit the bulb holder and tighten the screws C;
- reconnect the electrical connector B, correctly reposition the unit on the body of the vehicle and then tighten the fixing screws A.

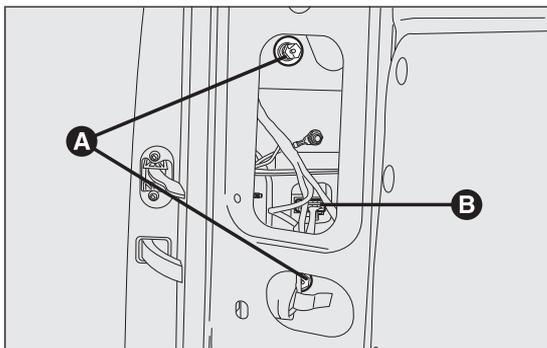


fig. 198

F0N0851

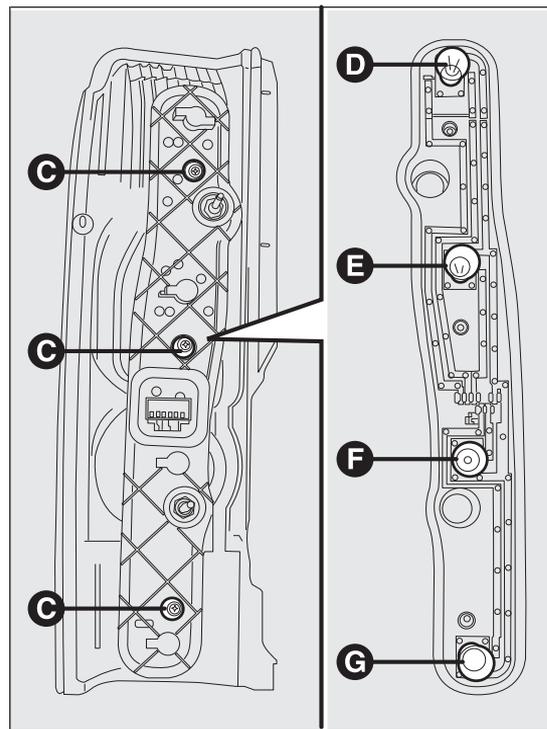


fig. 199

F0N0088

For truck and chassis cab versions:

Undo the four screws H fig. 200 and replace the bulbs:

I bulb for rear fog light

L bulb for reversing light

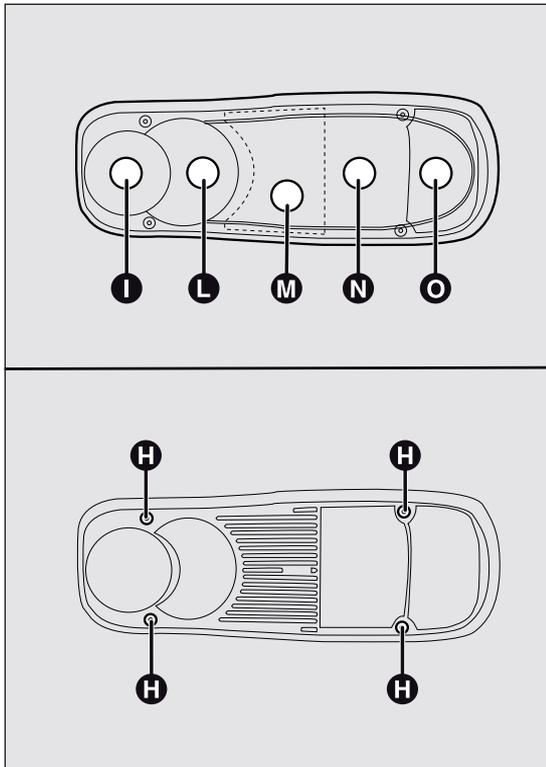


fig. 200

F0N0881

M bulb for side light

N bulb for brake light

O bulb for direction indicator.

REAR FOG LIGHTS (Maxi Van)

To change the bulb proceed as follows:

- take up position at the rear of the side bumper;
- unscrew lower fastening A between central and side bumper fig. 201 ;
- after removing the rear light cluster, unscrew upper fastening B;
- unscrew both fastenings C fig. 202 on the side of the rear swing door, accessible by opening the door slightly;

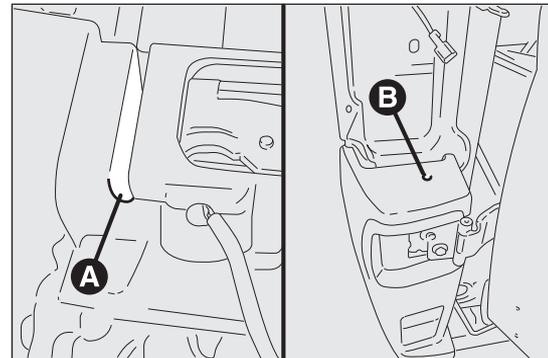


fig. 201

F0N0241

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- unscrew the three side fastenings D on the side of the panel, accessible after removing the side moulding fig. 202. To remove the moulding, unscrew the three lower self-tapping screws and detach the pins carefully to avoid breaking them. If one or more pins are broken, they will have to be replaced;
- extract the bulb holder assembly;
- turn bulb holder E anticlockwise (1/8 of a turn), remove the bayonet-fitted bulb by pushing gently and turning anticlockwise, then replace it fig. 203.

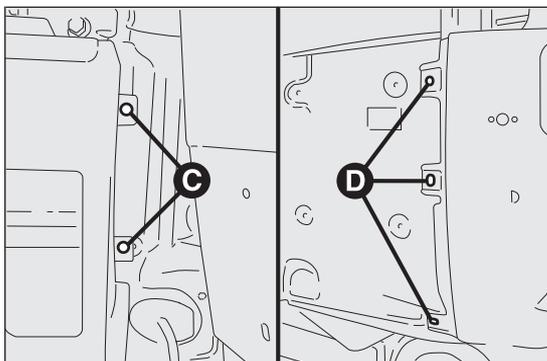


fig. 202

F0N0242

THIRD BRAKE LIGHTS

To change the bulb proceed as follows:

- undo the two fixing screws fig. 204;
- extract the lens unit;

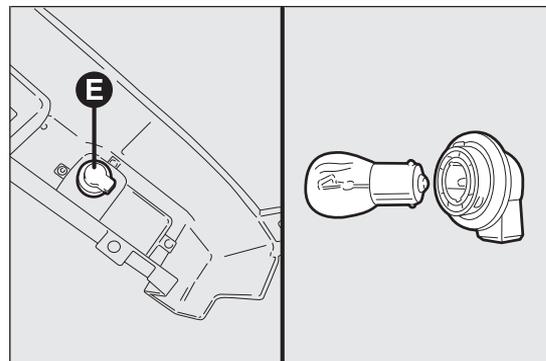


fig. 203

F0N0243

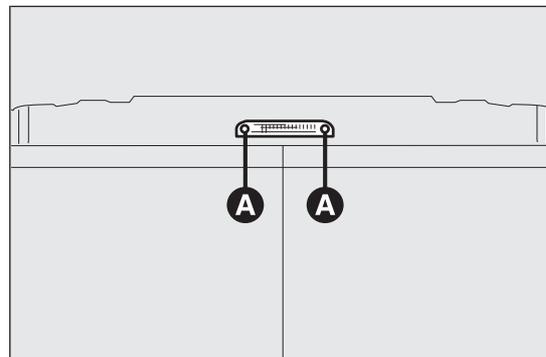


fig. 204

F0N0141

- press in the tabs B fig. 205 and remove the bulb holder;
- remove the snap-fitted bulb and replace.

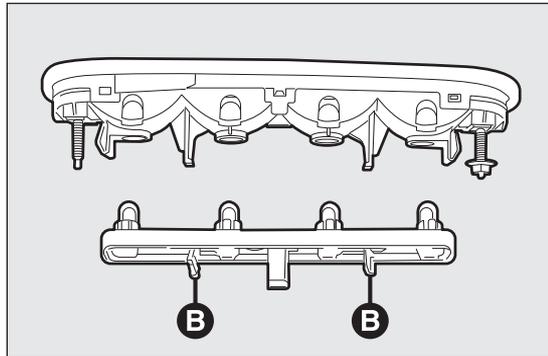


fig. 205

F0N0142

NUMBER PLATE LIGHTS

To change the bulb proceed as follows:

- operate in the point indicated by the arrow and remove the lens unit A fig. 206;
- change the bulb releasing it from the side contacts and making sure the new bulb is correctly fastened between the contacts;
- refit the snap-fitted lens unit.

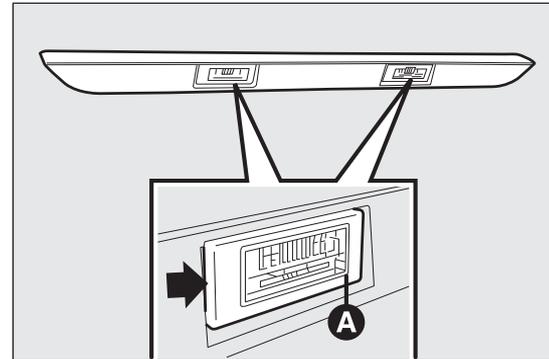


fig. 206

F0N0089

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SIDE LIGHTS

(for versions/markets, where provided)

To change the bulb proceed as follows:

□ for extra-long van:

- undo the two fixing screws C fig. 207 and remove the light cluster;
- remove the bulb holder D on the rear of the light cluster, turning it through a 1/4 turn;
- remove the snap-fitted bulb and replace.

□ for chassis cabs with platform:

- remove the bulb holder on the rear of the light cluster, turning it through a 1/4 turn;
- remove the snap-fitted bulb and replace.

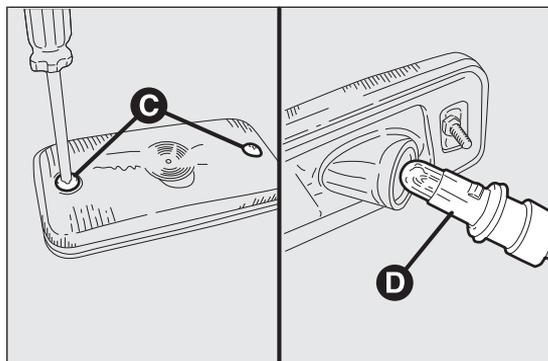


fig. 207

F0N0244

REPLACING INTERIOR BULBS

For the type of bulb and corresponding power rating, see the paragraph “Changing a bulb”.

FRONT ROOF LIGHT

Proceed as follows to replace the bulbs:

- operate in the points indicated by the arrows and remove light A fig. 208;
- open protective flap B fig. 209;
- replace the bulbs C fig. 209, releasing them from the side contacts and making sure that the new bulbs are correctly secured between the contacts;
- close flap B fig. 209 and fix roof light A fig. 208 in its housing, making sure that it locks into place.

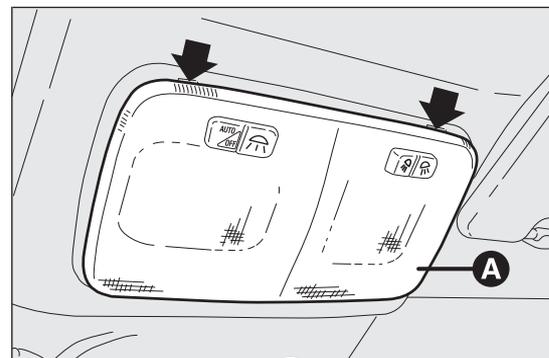


fig. 208

F0N0090

REAR ROOF LIGHT

Proceed as follows to replace the bulbs:

- operate in the points indicated by the arrows and remove roof light D fig. 210 ;
- open protective flap E fig. 211 ;
- replace bulb F fig. 211, releasing it from the side contacts and making sure that the new bulb is correctly locked between these contacts;
- close protective flap E fig. 211 and refit roof light D fig. 210 in its housing, making sure that it locks into place.

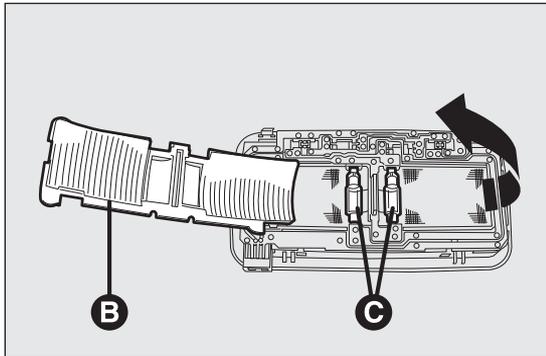


fig. 209

F0N0091

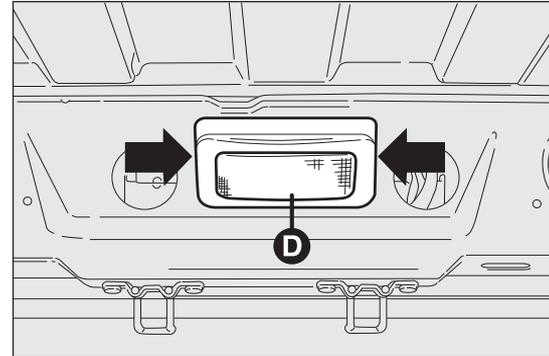


fig. 210

F0N0092

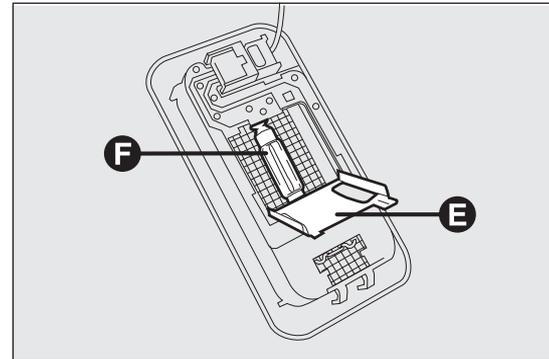


fig. 211

F0N0093

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REPLACING FUSES

GENERAL INFORMATION

Fuses protect the electrical system: they intervene (blow) in the event of a failure or improper intervention on the system. When a device does not work, check the condition of its fuse: the conductor element A fig. 212 must be intact. If it is not, replace the blown fuse with another with the same amperage (same colour).

B undamaged fuse.

C fuse with damaged filament.



Never replace a fuse with metal wires or anything else.

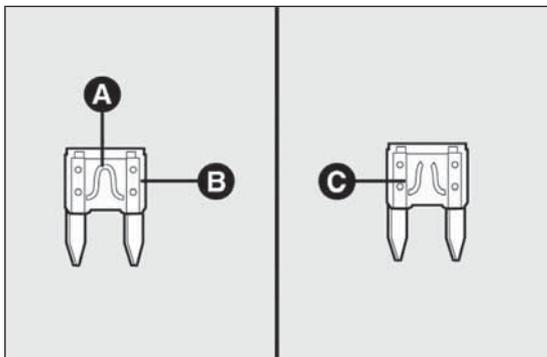


fig. 212

F0N0094

WARNING



Never replace a fuse with another with a higher amp rating; DANGER OF FIRE. If a general protection fuse (MEGA-FUSE, MIDI-FUSE) is activated, 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 the replaced fuse blows again, contact a Fiat Dealership.

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

The vehicle fuses are grouped in three control units, located on the dashboard, passenger compartment right pillar and engine compartment.

Fuse box on the dashboard

To access the dashboard fuse box, fig. 214 loosen the screws A fig. 213 and remove the cover.

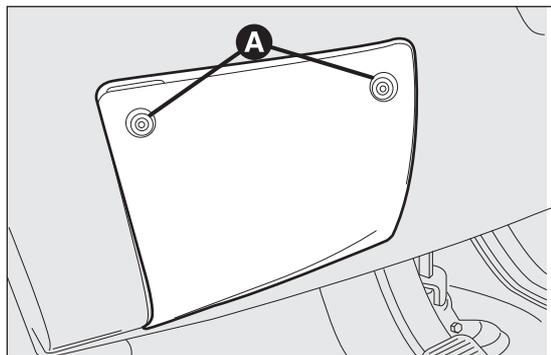


fig. 213

F0N0095

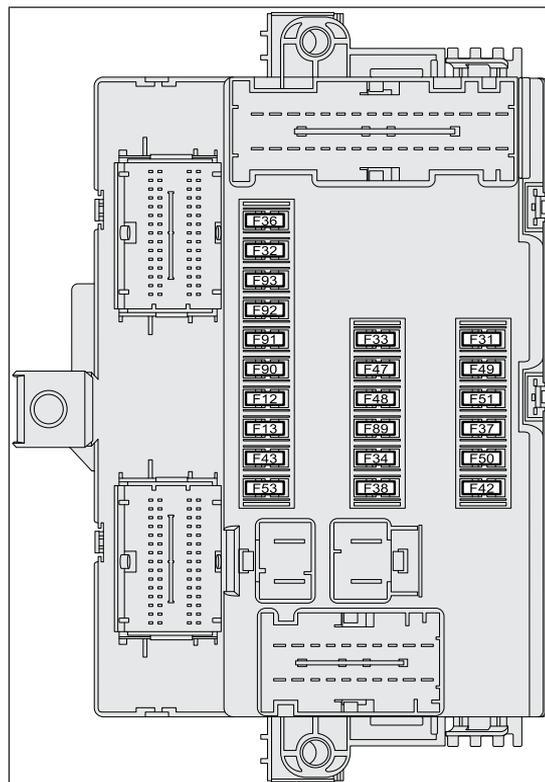


fig. 214

F0N0853

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Engine compartment fuse box

To gain access to the fuse box, fig. 216, remove the protective cover fig. 215.

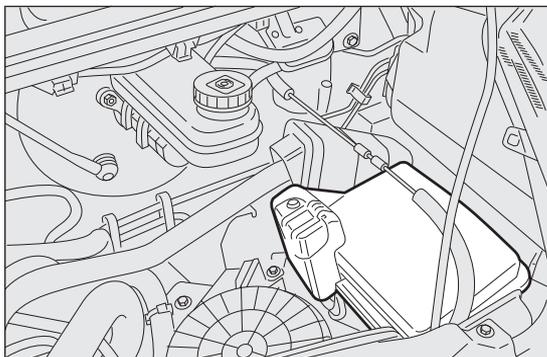


fig. 215

F0N0098

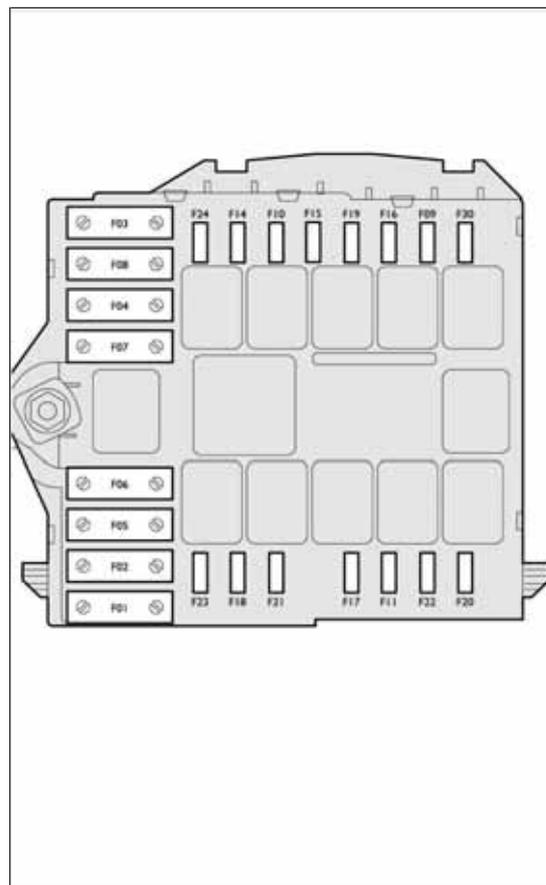


fig. 216

F0N0854

Right central pillar optional fuse box (for versions/markets, where provided)

To gain access to the fuse box, fig. 218, remove the protective cover fig. 217.

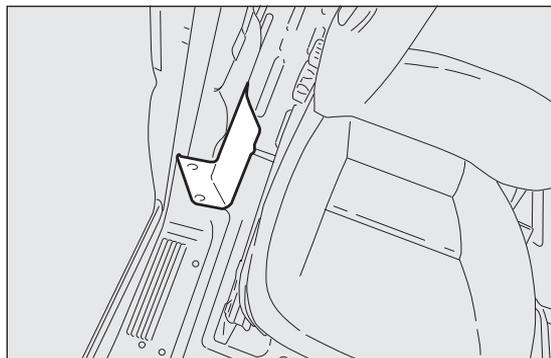


fig. 217

F0N0172

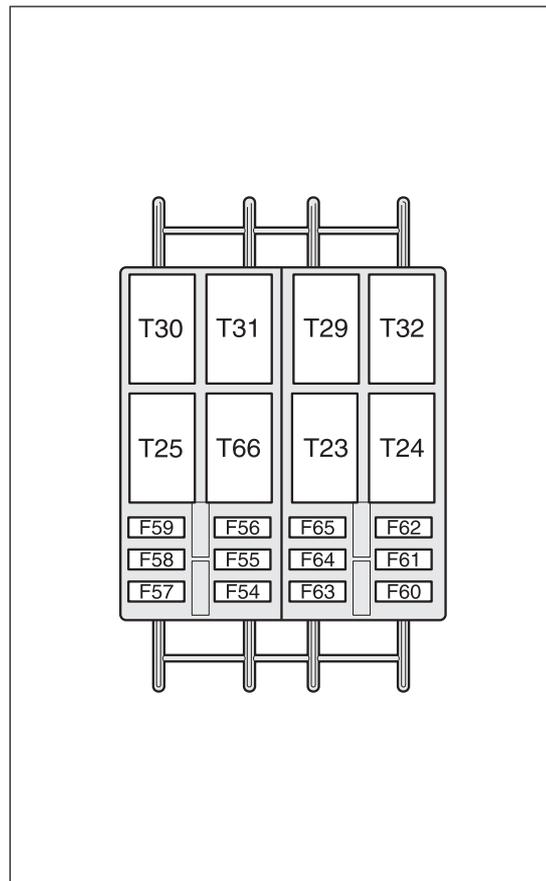


fig. 218

F0N0855

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VEHICLE**Dashboard fuse box
fig. 213 - fig. 214**

	DEVICE PROTECTED	FUSE	AMPS
SAFETY	Right dipped headlamp	F12	7,5
	Left dipped headlight	F13	7,5
STARTING AND DRIVING	Engine compartment control unit relay, instrument panel control unit relay (+key)	F31	5
	Lighting of roof lights in the passenger compartment (+battery)	F32	7,5
	Battery monitoring sensor for Start&Stop versions (+battery)	F33	10
WARNING LIGHTS AND MESSAGES	Minibus interior lights (emergency)	F34	5
	Radio, climate control, alarm, tachograph, battery disconnecting unit, Webasto timer (+battery)	F36	20
IN AN EMERGENCY	Brake light control (main), third brake light, instrument panel (+key)	F37	15
	Door lock (+battery)	F38	20
	ABS, ASR, ESP, brake light control (secondary) (+key)	F42	20
SERVICING AND MAINTENANCE	Windscreen wiper (+key)	F43	5
	Driver's side electric window	F47	7,5
	Passenger side electric window	F48	5
TECHNICAL SPECIFICATIONS	Parking sensor control unit, radio, steering wheel controls, central control panel, left control panel, auxiliary panel, battery disconnecting unit (+key)	F49	7,5
	Air bag (+key)	F50	-
INDEX	Climate control, power steering control unit, reverse lights, diesel filter water sensor, flow meter, tachograph (+key)	F51	-

DEVICE PROTECTED	FUSE	AMPS
Instrument panel (+battery)	F53	-
Absent	F89	-
Left main beam headlamp	F90	-
Right main beam headlamp	F91	-
Left fog light	F92	
Right fog light	F93	

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VEHICLE**Engine compartment fuse box**
fig. 215 - fig. 216

	DEVICE PROTECTED	FUSE	AMPS
SAFETY	ABS pump (+battery)	F01	40
	Glow plugs (+battery)	F02	50
	Ignition switch (+battery)	F03	30
STARTING AND DRIVING	Headlamp washer (+battery)	F04	30
	Vaporiser for Puma engine/compartment ventilation with Webasto, robotised gearbox pump (+battery)	F05	20/50
WARNING LIGHTS AND MESSAGES	Engine cooling high speed fan (+battery)	F06	40/60
	Engine cooling low speed fan (+battery)	F07	40/50
	Passenger compartment fan (+key)	F08	40
IN AN EMERGENCY	Rear power socket (+battery)	F09	15
	Horn	F10	15
	Electric system (secondary services)	F11	15
SERVICING AND MAINTENANCE	Power socket (+battery)	F14	15
	Cigar lighter (+battery)	F15	10
	Electric system (+key)	F16	7,5
TECHNICAL SPECIFICATIONS	Electric system (primary services)	F17	10
	Engine management control unit, robotised gearbox control unit (+battery)	F18	7,5
INDEX	Air conditioning compressor	F19	7,5
	Windscreen wiper	F20	30

DEVICE PROTECTED	FUSE	AMPS
Fuel pump	F21	15
Electric system (primary services)	F22	20
ABS solenoid valves	F23	30
Auxiliary control panel for mirror movement and folding (+key)	F24	15
Mirrors demisting	F30	15

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VEHICLE**Right central pillar optional fuse box
fig. 217 - fig. 218**

DEVICE PROTECTED	FUSE	AMPS
Absent	F54	–
Heated seats	F55	15
Rear passenger power socket	F56	15
Additional heater under the seat	F57	10
Left heated rear window	F58	15
Right heated rear window	F59	15
Absent	F60	–
Absent	F61	–
Absent	F62	–
Additional passenger heater control	F63	10
Absent	F64	–
Additional passenger heater fan	F65	–

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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.

Low amperage slow recharging for approximately 24 hours is advised. Charging for a longer time may damage the battery.

IN THE ABSENCE OF START&STOP SYSTEM

Charge the battery as follows:

- disconnect the negative battery terminal;
- connect the charger cables to the battery terminals, observing the polarity;
- turn on the charger;
- when finished, turn the charger off before disconnecting the battery;
- reconnect the negative battery terminal.



WARNING

Battery fluid is poisonous and corrosive: avoid contact with your skin and eyes. The battery should be charged in a well ventilated place, away from naked flames or possible sources of sparks: danger of explosion and fire.



WARNING

Do not attempt to charge a frozen battery: it must be thawed first, otherwise it may explode. If freezing has occurred, the battery should be checked by skilled personnel to make sure that the internal elements are not damaged and that the body is not cracked, with the risk of leaking poisonous and corrosive acid.

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WITH START&STOP SYSTEM

Charge the battery as follows:

- disconnect the connector A (by pressing button B) from the battery status monitoring sensor C, on the negative pole D of the battery;
- connect the positive cable of the battery charger to the positive battery terminal E and the negative cable to sensor terminal F as in fig. 219;
- turn on the charger;
- at the end of the charging process, switch the battery charger off;
- after having disconnected the charger, reconnect connector A to the sensor C as in fig. 219.

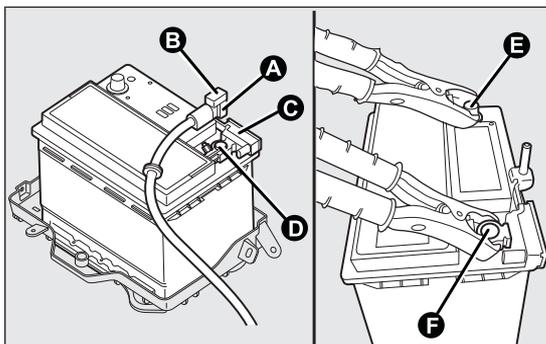


fig. 219

F0N0551

RAISING THE VEHICLE

If the vehicle needs to be lifted, contact a Fiat Dealership, which is equipped with arm hoists or workshop lifts.

The vehicle must only be raised laterally by placing the ends of the arms or workshop lift in the areas shown in fig. 220.

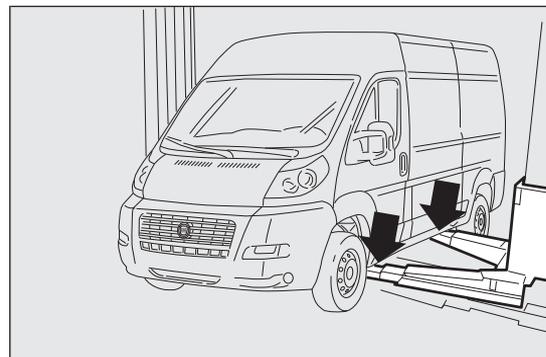


fig. 220

F0N0340

TOWING THE VEHICLE

The vehicle is equipped with two rings for attaching the tow hook.



WARNING

Before towing, switch off the steering lock (see "Starting device" paragraph under the "Dashboard and controls" section).



WARNING

The power brakes and power steering will not operate while the vehicle is being towed. More effort on the brake pedal and steering wheel will therefore be required.



WARNING

Do not use flexible cables when towing and avoid jerky movements. During towing operations, be careful that the fastening joining the joint to the vehicle does not damage adjacent components.



WARNING

When towing the vehicle, it is necessary to obey specific road regulations which relate both to the towing device as well as to the behaviour to adopt on the road.



WARNING

Do not start the engine whilst the vehicle is being towed.

The front ring is located in the tool box beneath the passenger side seat. On versions with Fix&Go kit and without spare wheel, the tool box is available only on request for versions/markets where provided.

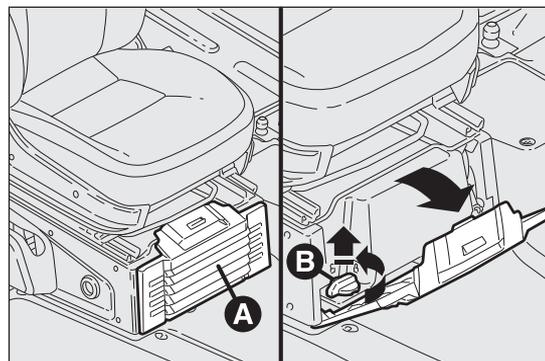


fig. 221

F0N0134

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In the absence of the tool box the vehicle tow hook is housed in the on-board documentation container, together with the Owner Handbook.

To use it, proceed as follows:

- Open the flap A and remove it as illustrated in fig. 221;

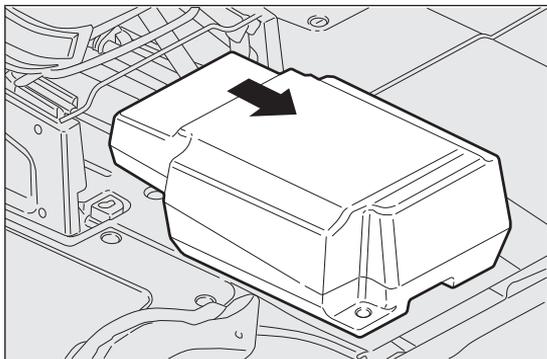


fig. 222

F0N0135

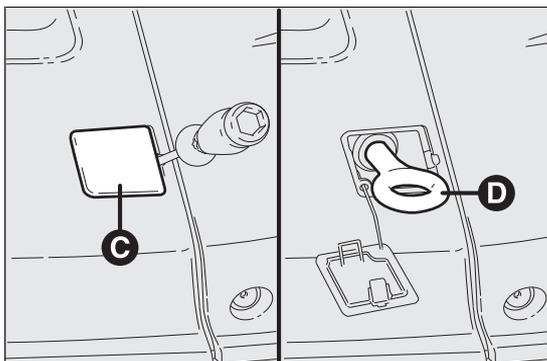


fig. 223

F0N0136

- turn retaining knob B anticlockwise and remove it fig. 221 to allow the box to come out fig. 222;
- take the screwdriver provided from the box and prise up at the point shown to raise the cap C fig. 223;
- take the tow ring D from the box and screw it onto the threaded pin fig. 223.

The rear ring B fig. 224 is located at the point shown in the diagram.

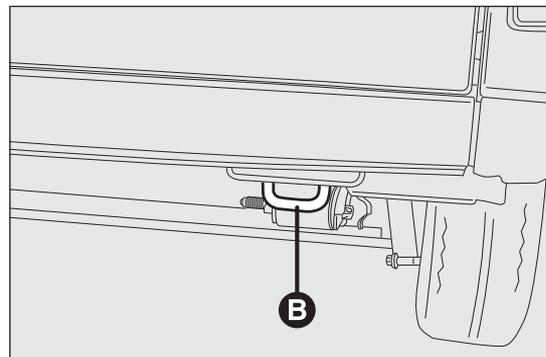


fig. 224

F0N0117

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SCHEDULED SERVICING

Correct servicing is essential for ensuring long vehicle life under the best conditions.

This is why Fiat has planned a series of checks and maintenance operations every 48,000 km depending on the engine version.

The scheduled servicing does not, however, cover all the needs of the vehicle; also during the initial period, before the 48,000 km service and between one service and the next, ordinary care such as systematic fluid level checks with top ups and tyre pressure checks remain necessary.

IMPORTANT The Scheduled Servicing services are set out by the Manufacturer. Failure to have them carried out may invalidate the warranty.

Scheduled Servicing is performed by all Fiat Dealerships, at pre-established times.

If, during any service, the need arises for additional replacements or repairs, these may be carried out only with the explicit agreement of the Customer.

IMPORTANT It is advisable to inform a Fiat Dealer of any small operating irregularities without waiting for the next service.

The interval between scheduled services must be reduced if your vehicle is used frequently for towing trailers.

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SCHEDULED SERVICING PLAN

KNOW YOUR VEHICLE	Thousands of miles	30	60	90	120	150
	Thousands of km	48	96	144	192	240
	Months	24	48	72	96	120
SAFETY	Check battery charge status and possibly recharge	●	●	●	●	●
	Check tyre condition/wear and adjust pressure, if necessary	●	●	●	●	●
STARTING AND DRIVING	Check operation of lighting system (headlamps, direction indicators, hazard warning lights, luggage compartment, passenger compartment, glove compartment, instrument panel warning lights, etc.)	●	●	●	●	●
WARNING LIGHTS AND MESSAGES	Check operation of windscreen wiper/washer system and adjust jets, if necessary	●	●	●	●	●
	Check the position/wear of the windscreen/rear window wiper blades	●	●	●	●	●
IN AN EMERGENCY	Check cleanliness of bonnet and tailgate locks and cleanliness and lubrication of linkages	●	●	●	●	●
	Visually inspect condition of: exterior bodywork, underbody protection, pipes and hoses (exhaust, fuel system, brakes), rubber elements (boots, sleeves, bushes, etc.)	●	●	●	●	●
SERVICING AND MAINTENANCE	Check condition and wear of front disc brake pads and operation of pad wear indicator	●	●	●	●	●
TECHNICAL SPECIFICATIONS	Check condition and wear of rear disc brake pads and operation of pad wear indicator (for versions/markets where provided)	●	●	●	●	●
	Check and, if necessary, top-up fluid levels (engine cooling, hydraulic clutch/brakes, windscreen washer, battery, etc.)	●	●	●	●	●
INDEX	Visual check of accessory drive belt(s) (versions without automatic tensioner) (110 versions (°)- 130 - 150 - 180 Multijet versions) (°)Version for specific markets		●			●

	Thousands of miles	30	60	90	120	150
	Thousands of km	48	96	144	192	240
	Months	24	48	72	96	120
Check tension of accessory drive belt (versions without automatic tensioner) (^)		●			●	
Check tension of accessory drive belt (versions without automatic tensioner) (I15 Multijet versions (°)) (^)		●		●		●
Check condition of toothed timing drive belt (I10 versions (°)- I30 - I50 Multijet versions)			●			
Check condition of toothed timing drive belt (I15 Multijet versions (°))		●	●	●	●	●
Check handbrake lever travel and adjust, if required		●	●	●	●	●
Check exhaust gas emissions/smokiness		●	●	●	●	●
Check operation of engine management systems (using diagnosis socket)		●	●	●	●	●
Check cleanliness of sliding side door lower guides for versions with S.S.D. (or every 6 months)		●	●	●	●	●
Replace fuel filter cartridge (diesel versions)		●	●	●	●	●
Replace accessory drive belt(s)				●		
Replace the accessory drive belt(s) (I15 Multijet versions (°))			●		●	

(^) When the engine oil is changed for the first time, check the tension of the accessories drive belt.

(°)Version for specific markets

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	Thousands of miles	30	60	90	120	150
	Thousands of km	48	96	144	192	240
	Months	24	48	72	96	120
KNOW YOUR VEHICLE						
SAFETY	Replace toothed timing drive belt (*) (I 10 versions (°)- I 30 - I 50 Multijet)				●	
	Replace toothed timing drive belt (*) (I 15 Multijet versions (°))			●		
STARTING AND DRIVING	Replace air cleaner cartridge (***)	●	●	●	●	●
	Change engine oil and replace oil filter (**) (#)					
WARNING LIGHTS AND MESSAGES	Change brake fluid (or every 24 months)		●		●	
	Replace pollen filter (or every 24 months)	●	●	●	●	●
IN AN EMERGENCY	<p>(*) Regardless of the distance covered, the timing belt must be changed every 4 years for particularly demanding use (cold climates, town driving, long periods of idling) or at least every 5 years. I</p> <p>(°)Version for specific markets</p> <p>(***) If the vehicle is equipped with a specific air cleaner for dusty areas: -every 20,000 km check and wash cleaner; every 40,000 km replace cleaner.</p> <p>(**) The actual interval for changing the oil and replacing the engine oil filter depends on the vehicle usage conditions and is signalled by the warning light or message (if applicable) in the instrument panel (see chapter "Warning lights and messages") or every 24 months</p> <p>(#) If the vehicle is driven mainly in towns, change engine oil and oil filter every 12 months.</p>					
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PERIODIC CHECKS

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 (headlamps, direction indicators, hazard warning lights, etc.);
- operation of screen washer/wiper system and positioning/wear of windscreen/rear window wiper blades.

To ensure that the vehicle is always efficient and well maintained, it is advisable to make sure that you carry out the above operations regularly (approximately every 1000 km and every 3000 km for checking and topping up engine oil is advisable).

DEMANDING VEHICLE USE

If the vehicle is mostly used in one of the following 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 speeds or long periods of inactivity;

you should perform the following inspections more frequently than shown 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 and battery fluid level (electrolyte);
- visually inspect condition of the accessory drive belts;
- check and, if necessary, change engine oil and replace oil filter.
- check and, if necessary, replace pollen filter.

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CHECKING FLUID LEVELS



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.



WARNING

Never smoke while working in the engine compartment: inflammable gases and vapours may be present, constituting a fire risk.

I 15 Multijet versions

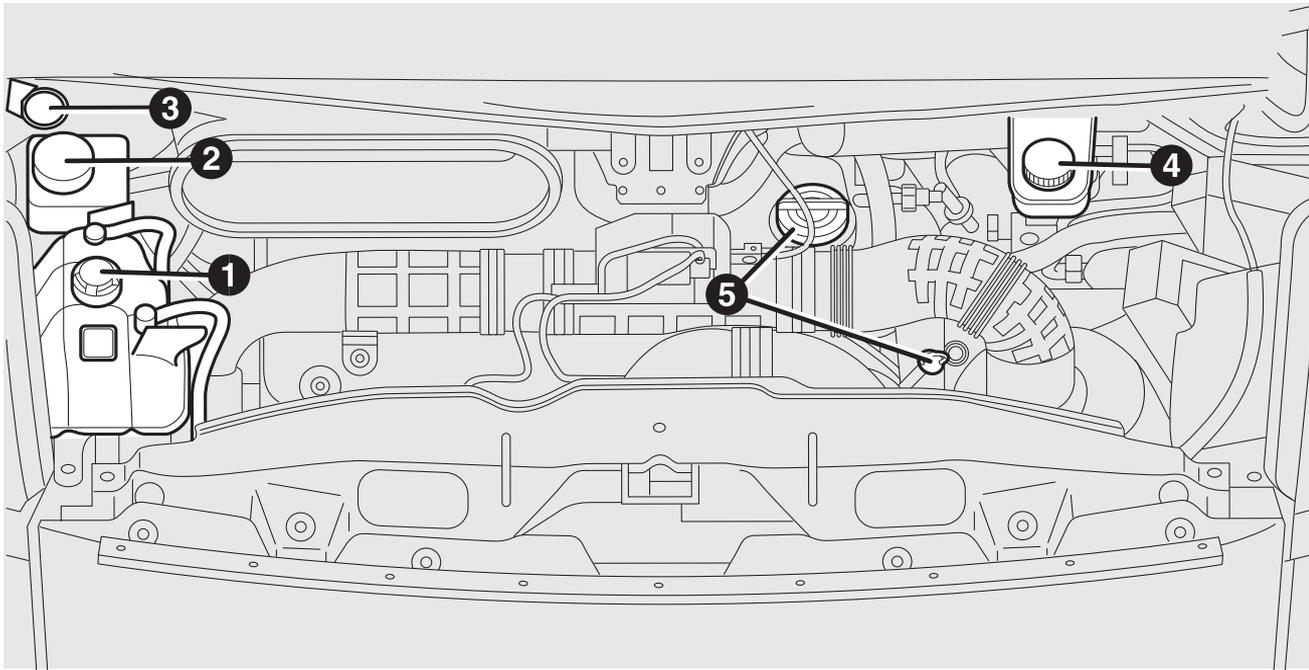


fig. 225

F0N0530M

1. Engine coolant fluid 2. Power steering fluid 3. Windscreen washer fluid 4. Brake fluid 5. Engine oil

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I10 - I30 - I50 Multijet versions

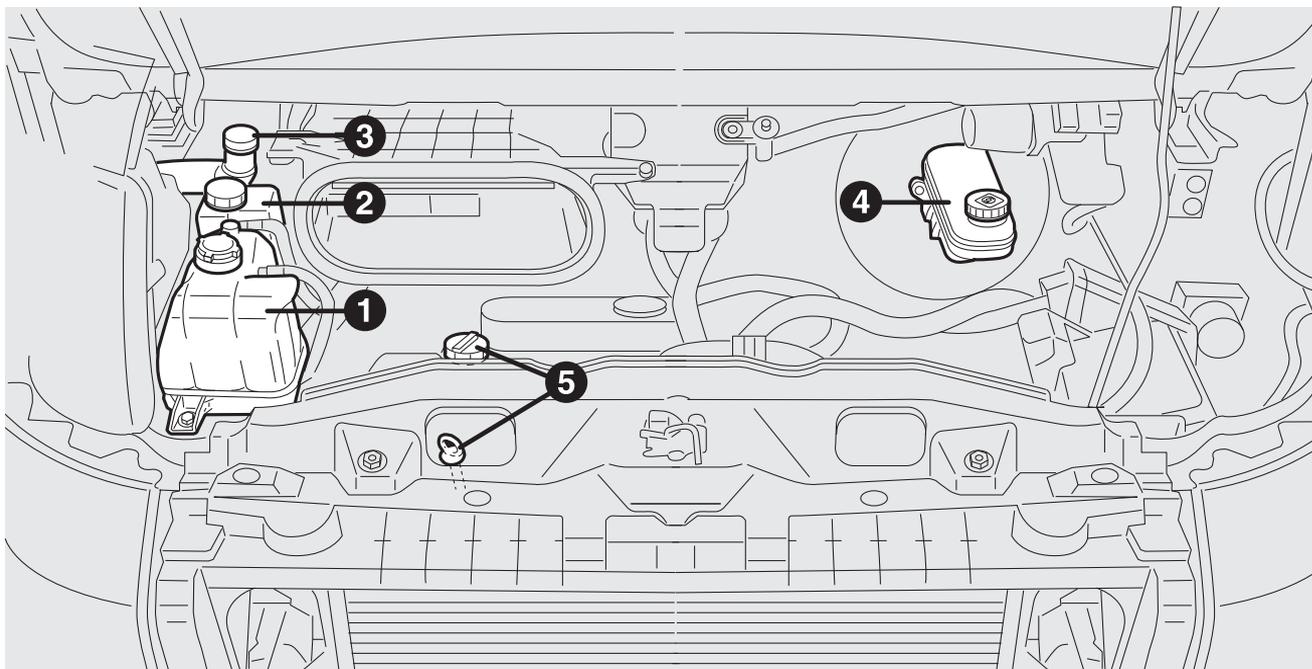


fig. 226

1. Engine coolant fluid 2. Power steering fluid 3. Windscreen washer fluid 4. Brake fluid 5. Engine oil

F0N0100

I80 Multijet Power versions

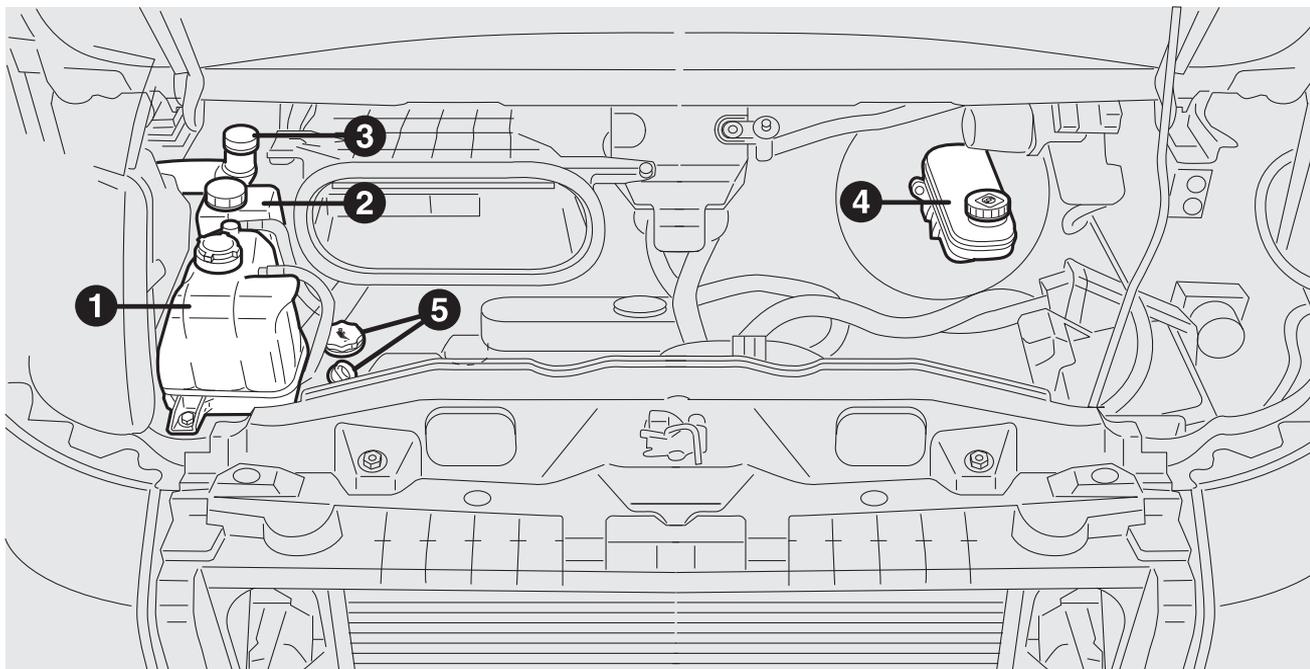


fig. 227

F0N0210

1. Engine coolant fluid 2. Power steering fluid 3. Windscreen washer fluid 4. Brake fluid 5. Engine oil

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ENGINE OIL

Check the oil level a few minutes (about 5) after the engine has stopped, with the vehicle parked on level ground.

Check that the level is within the MIN and MAX marks on the dipstick B fig. 228 - fig. 229 - fig. 230.

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 fig. 228 - fig. 229 - fig. 230, until it reaches the MAX mark.

The oil level must never exceed the MAX mark.

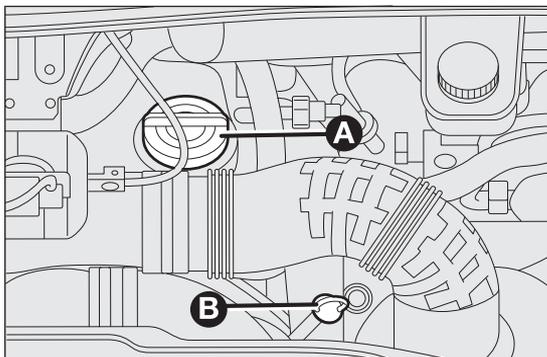


fig. 228 - I15 Multijet versions

F0N0531M

Engine oil consumption

The maximum engine oil consumption is usually 400 grams every 1000 km.

When the vehicle is new, the engine needs to be run in, therefore the engine oil consumption can only be considered stabilised after the first 5,000 – 6,000 km.

IMPORTANT The oil consumption depends on driving style and the conditions under which the vehicle 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.

IMPORTANT Always top up using engine oil of the same specifications as that already in the engine.

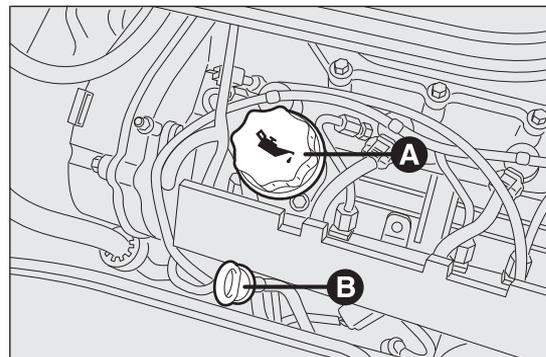


fig. 229 - I10 - I30 - I50 Multijet versions

F0N0102



WARNING

Be very careful when working in the engine compartment when the engine is hot: you may get burned. Remember that the fan may start up if the engine is hot: this could injure you. Scarves, ties and other loose clothing might be pulled by moving parts.



The used engine oil and the filter that has been replaced contain substances that are harmful to the environment. To change the oil and filters, we advise you to contact a Fiat Dealership.

ENGINE COOLANT

The coolant level must be checked when the engine is cold and must be between the MIN and MAX marks on the reservoir.

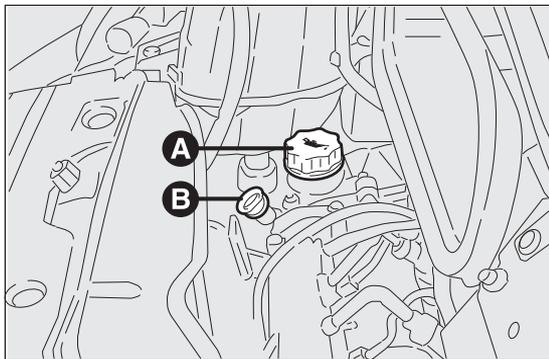


fig. 230 - I80 Multijet Power versions

F0N0211



PARAFLU^{UP} antifreeze is used in the engine cooling system. Use fluid of the same type as that contained in the cooling system for any top-ups. PARAFLU^{UP} cannot be mixed with any other type of fluid. If this happens, do not start the engine and contact a Fiat Dealership.

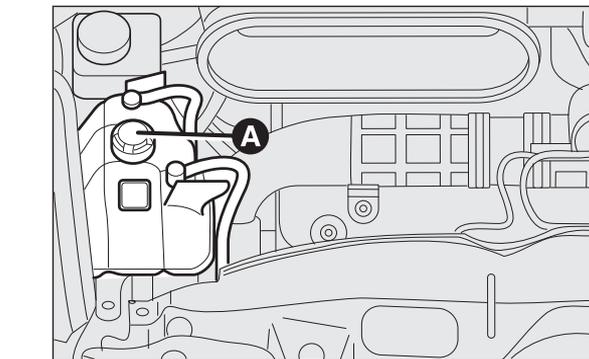


fig. 231 - I15 Multijet versions

F0N0532M

If the level is low, slowly pour a mixture of 50% demineralised water and 50% PARAFLUUP by PETRONAS LUBRICANTS through the filler neck A fig. 231 - fig. 232 until the level is close to MAX.

A 50-50 mixture of PARAFLUUP and distilled water gives freeze protection up to -35°C .

For particularly harsh climate conditions, a mixture of 60% PARAFLUUP and 40% demineralised water is recommended.

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**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 top up, remove the cap A fig. 233 - fig. 234.

Use a mixture of water and TUTELA PROFESSIONAL SC 35, in the following concentrations:

30% TUTELA PROFESSIONAL SC 35 and 70% water in summer.

50% TUTELA PROFESSIONAL SC 35 and 50% water in winter.

At temperatures below -20°C , use undiluted TUTELA PROFESSIONAL SC 35.

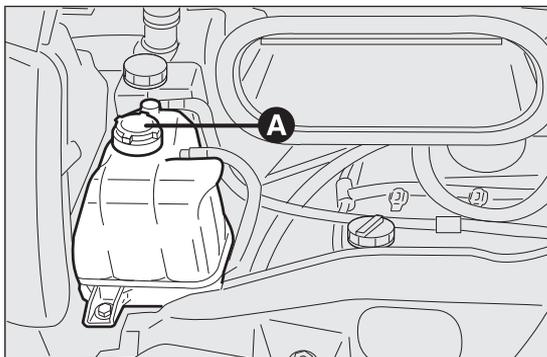


fig. 232 - 110 - 130 - 150 - 180 Multijet versions F0N0103

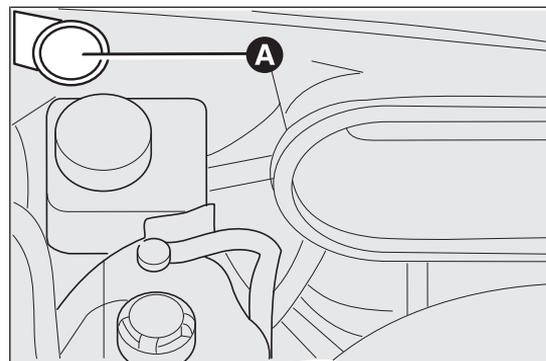


fig. 233 - 115 Multijet versions

F0N0533M

Check the level through the reservoir.



WARNING

Do not travel if the windscreen washer reservoir is empty: using the windscreen washer is essential for improving visibility.



WARNING

Some commercial windscreen washer additives are flammable. The engine compartment contains hot parts which could start a fire on contact.

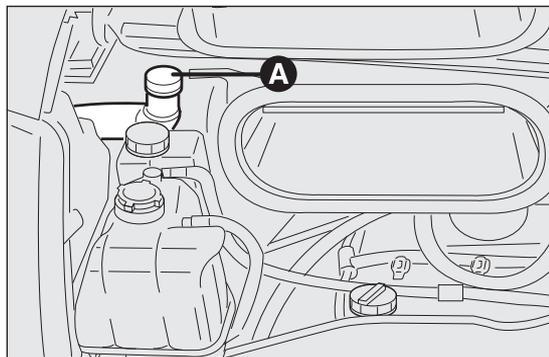


fig. 234 - I10 - I30 - I50 - I80 Multijet versions F0N0105

BRAKE FLUID

Undo the cap A fig. 235 and check that the liquid contained 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 Thoroughly clean the tank cap A 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.

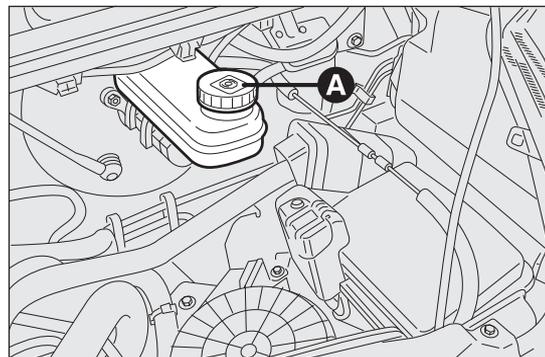


fig. 235 F0N0107

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IMPORTANT Brake fluid absorbs moisture. For this reason, if the vehicle is mainly used in areas with a high degree of atmospheric humidity, the fluid should be replaced at more frequent intervals than specified in the "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. If contact accidentally occurs, immediately wash the affected areas with water and a neutral detergent, and then rinse thoroughly with water. Call a doctor immediately if swallowed.



WARNING

The symbol  on the container indicates a synthetic brake fluid, which is different from a mineral fluid. Using a mineral-type fluid will damage the special rubber seals of the braking system beyond repair.

POWER STEERING FLUID

Check that the liquid contained in the tank is at the maximum level. This operation must be carried out with the vehicle level and with the engine off and cold. Check that the fluid level is up to the MAX mark on the dipstick attached to the fuel cap fig. 236 - fig. 237 (use the level shown on the 20°C side of the dipstick to check when cold).

If the level of the fluid in the tank is lower than the specified level, top up using only one of the products indicated in the "Fluid and lubricants" table in the "Technical specifications" section, proceeding as follows:

- Start the engine and wait for the fluid level in the tank to stabilise.

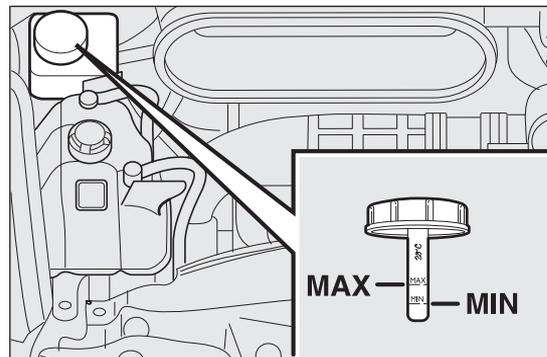


fig. 236 - I 15 Multijet versions

F0N0534M

- ❑ With the engine running, turn the steering wheel from right to left fully several times.
- ❑ Top up the fuel to the MAX level and then retighten the cap.



WARNING

Prevent power steering fluid from coming into contact with hot engine parts: it is flammable.



Power steering fluid consumption is extremely low; if another top-up is required after only a short period of time, have the system checked for leaks at a Fiat Dealership.

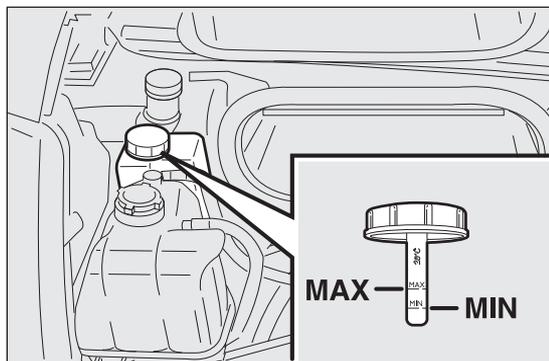


fig. 237 - 110 - 130 - 150 - 180 Multijet versions F0N0109



Do not press the power steering end of travel lock for longer than 8 consecutive seconds with the engine running because it will cause noise and risk damaging the system.

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AIR FILTER/POLLEN FILTER

Have the air cleaner replaced by a Fiat Dealership.

AIR CLEANER – DUSTY ROADS

(for versions/markets, where provided)

The air cleaner for dusty areas is equipped with a visual filter block indication device A fig. 238. Check the reading of the filter blocked device at intervals (Refer to the "Service Schedule" in the "Maintenance and care" section).

When the setting is reached the indicator is triggered B fig. 239, changing to red, even with the engine off. To reset the indicator, clean/replace the cartridge as on normal versions and then reset the indicator by pressing the button C fig. 239.

IMPORTANT To clean the filter, use an air jet, do not use water or liquid detergents.

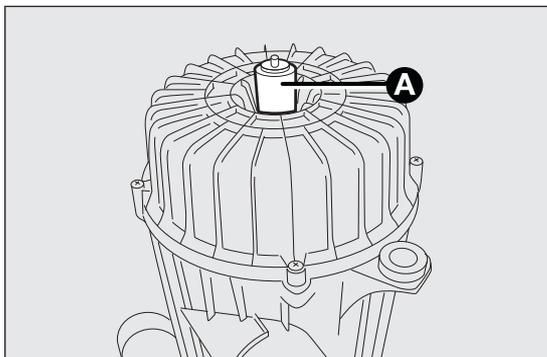


fig. 238

F0N0253

Because this filter is specific to versions designed for dusty areas, it is advisable to contact a Fiat Dealership to change the filter.

POLLEN FILTER

Pollen filter replacement must be carried out at a Fiat Dealership.

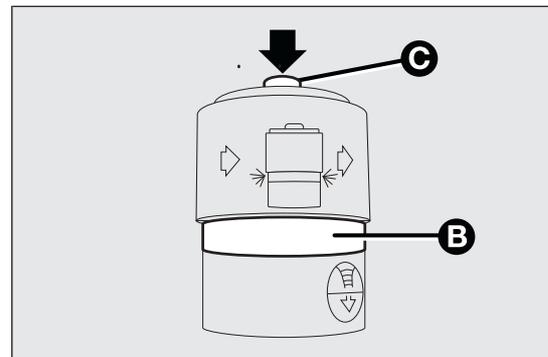


fig. 239

F0N0254

BATTERY

The battery is “limited maintenance” type: under normal conditions of use, the electrolyte does not need topping up with distilled water.

It does, however, need to be checked periodically at a Fiat Dealership or by specialist personnel to make sure it is working correctly.

The battery is located inside the passenger compartment, in front of the pedal unit. Remove the protective cover to gain access to it.



WARNING

Battery liquid is poisonous and corrosive. Avoid contact with the skin and eyes. Keep naked flames and sources of sparks away from the battery: risk of explosion and fire.



WARNING

Using the battery with insufficient battery fluid may irreparably damage the battery and may cause an explosion.

REPLACING THE BATTERY

If required, replace the battery with an original spare part with the same specifications.

If a battery with different specifications is fitted, the service intervals given in the “Scheduled Servicing Plan” will no longer be valid.

Follow the battery manufacturer's instructions for maintenance.



Incorrect assembly of electric and electronic devices may cause severe damage to your vehicle. Contact a Fiat Dealership if you want to install accessories after purchasing the vehicle (alarms, radiophone, etc.): they will suggest the most suitable devices and advise you whether a higher capacity battery needs to be installed.



WARNING

Before performing any operation on the electrical system, disconnect the negative battery cable through the suitable terminal, after having waited at least one minute from turning the ignition key to STOP.



Batteries contain substances which are very dangerous for the environment. To replace your battery, we recommend contacting your Fiat Dealership to dispose of your old battery in full respect of the environment and in compliance with all applicable laws and regulations.

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If the vehicle needs to be off the road for a long period under conditions of intense cold, remove the battery and take it to a heated location, otherwise it may freeze.

**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 vehicle, ensure that the doors, tailgate and bonnet are closed properly, to prevent any roof lights from remaining on inside the passenger's compartment;
- switch off all roof lights inside the vehicle: the vehicle 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 is also more prone to the risk of freezing (at temperatures as high as -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 vehicle, you want to install electric accessories which require permanent electric supply (alarm, etc.) contact a Fiat Dealership whose qualified personnel, in addition to suggesting the most suitable devices from the Lineaccessori Fiat, will evaluate the overall electric absorption, checking whether the vehicle's electrical 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 engine is off, they gradually run down the battery.

IMPORTANT If a tachograph is fitted, if the vehicle is parked for a long period of 5 days, it is advisable to disconnect the negative battery terminal to maintain its charge.

If the vehicle is equipped with a battery disconnection function (disconnecter), see the description of the procedure in the "Controls" paragraph in the "Know your vehicle" section.

WHEELS AND TYRES

Check the pressure of each tyre, including the space-saver wheel, 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 vehicle is used; for the correct tyre inflation pressure, see "Wheels" in the "Technical specifications" section.

Incorrect pressure causes abnormal tyre wear fig. 240:

- 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, follow the laws in force in the country where you are driving.

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IMPORTANT NOTES

- As far as possible, avoid sharp braking and screech starts. Be careful not to hit the kerb, potholes or other hard obstacles. Driving for long stretches over bumpy roads can damage the tyres;
- periodically check that the tyres have no cuts in the side wall, abnormal swelling or irregular tyre wear. 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 much. Cracks in the tread and on the sidewalls are a sign of ageing. Have the tyres checked by skilled personnel if they have been fitted for longer than six years.

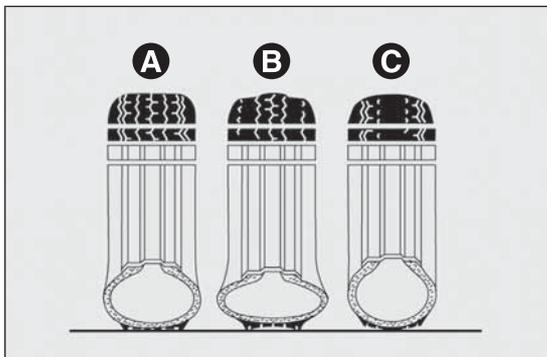


fig. 240

F0N0111

Remember to check the spare wheel very carefully;

- 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 vehicle so as not to reverse the direction of rotation.

**WARNING**

Remember that the road holding qualities of your vehicle also depend on the correct inflation pressure of the tyres.

**WARNING**

If the pressure is too low the tyre overheats and can be seriously damaged.

**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 system rubber hoses are concerned, follow the “Scheduled Servicing Plan” in this section carefully.

Ozone, high temperatures and a prolonged lack of fluid in the system may cause hardening and cracking of the hoses, which could result in leaks. Careful checking is therefore necessary.

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WINDSCREEN 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 a de-icing 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.

Replacing the wiper blades

Proceed as follows:

- raise the windscreen wiper arm A fig. 241 and position the blade so that it forms an angle of 90° with the arm;
- remove the press-fitted blade B from arm A;
- insert the new blade making sure it is locked into place.

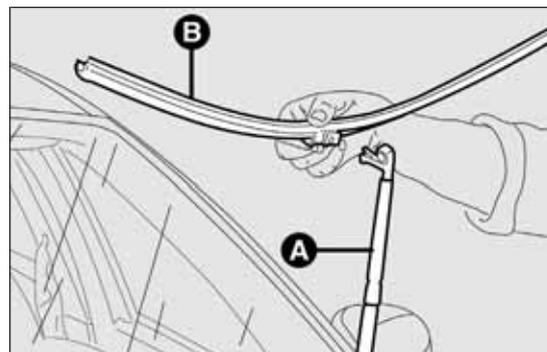


fig. 241

F0N0137

SPRAY NOZZLES

Front windscreen (washer) fig. 242

If there is no jet of fluid, 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.

The washer jets should be positioned by adjusting the angle of the sprays using a small straight-headed screwdriver.

The jets must be directed at about 1/3 of the height from the top edge of the windscreen.

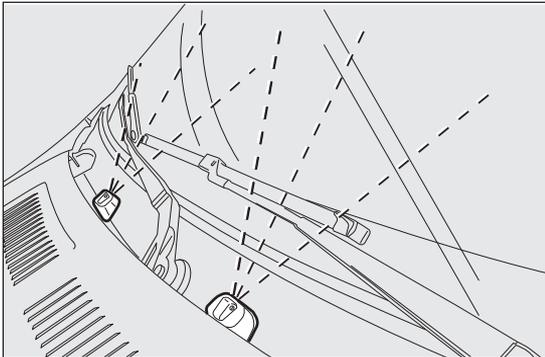


fig. 242

F0N0112

HEADLIGHT WASHERS

Check the condition and cleanliness of nozzles at regular intervals.

The headlamp washers are activated automatically when the screen washer is operated with the dipped headlamps on.

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BODYWORK

PROTECTION FROM ATMOSPHERIC AGENTS

The main causes of corrosion are the following:

- atmospheric pollution;
- salty air and humidity (coastal areas, or hot humid climates);
- seasonal environmental conditions.

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 vehicle, Fiat has implemented the best manufacturing technologies to effectively protect the bodywork against corrosion.

These include:

- painting products and systems which give the vehicle particular resistance to corrosion and abrasion;
- Use of galvanised (or pretreated) steel sheets, with high resistance to corrosion;
- spraying the underbody, engine compartment, wheelhouse internal parts and other parts with highly protective wax products;
- spraying of plastic parts, with a protective function in the more exposed points: underdoor, inner wing, edges, etc;
- use of “open” boxed sections to prevent condensation and pockets of moisture from triggering rust inside.

VEHICLE BODY AND UNDERBODY WARRANTY

Your vehicle 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 your Warranty Booklet.

ADVICE FOR PRESERVING THE BODYWORK

Paint

Paintwork does not only serve an aesthetic purpose, but also protects the underlying sheet metal.

Touch-up abrasions and scratches immediately to prevent the formation of rust. Only use genuine spare paint products for touch-ups (see “Bodywork paint identification plate” in the “Technical Specifications” section).

Standard maintenance of paintwork consists in washing the vehicle; its frequency depends on the conditions and environment where the vehicle is used.

For example, it is advisable to wash the vehicle more often in areas with high atmospheric pollution or if you are travelling on roads spread with salt.

To correctly wash the vehicle proceed as follows:

- 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.

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If you put the vehicle through a car wash, follow these recommendations:

- remove the aerial from the roof so it does not get damaged;
- the car wash should use water added to a soapy solution;
- rinse thoroughly to avoid soap marks staying on the bodywork or less visible parts.



Some car washes with old-style blades and/or in a poor state of repair can damage the paintwork, facilitating the formation of lines that give the paint a dull/misty appearance, especially on dark colours. If this happens, lightly polish the paintwork with appropriate products.

Dry the less visible parts, such as the door frames, bonnet and the headlight frames with special care, as in these areas water may stagnate more easily. It is a good idea to leave the vehicle outdoors for a while after washing it to give the water time to evaporate.

Do not wash the vehicle after it has been left in the sun or with the bonnet hot: this may alter the shine of the paintwork.

Exterior plastic parts should be cleaned in the same way as the rest of the vehicle. Where possible, do not park the vehicle under trees; the resinous substances released by many species give the paint a dull appearance and increase the possibility of rust.

IMPORTANT Bird droppings must be washed off immediately and thoroughly as the acid they contain is particularly aggressive.



Detergents pollute the environment. The vehicle should be washed in areas equipped for collecting and purifying the liquid used in the washing process.

Windows

To clean windows, use specific cleaning 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 box on the left side of the engine compartment (driving direction). 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.

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INTERIORS

Regularly check that water is not trapped under the mats (due to water dripping off shoes, umbrellas, etc.), as this could cause oxidation of the sheet metal.



WARNING

Never use flammable products, such as petroleum ether or modified petrol, to clean the inside of the vehicle. The electrostatic charges which are generated by rubbing during the cleaning operation may cause a fire.



WARNING

Do not keep aerosol cans in the vehicle: they might explode. Aerosol cans must not be exposed to a temperature exceeding 50°C. When the vehicle is exposed to sunlight, the internal temperature can greatly exceed this value.

SEATS AND FABRIC PARTS

Remove dust with a soft brush or a vacuum cleaner. It is advisable to use a moist brush on velvet upholstery.

Rub the seats with a sponge and a solution of water and mild soap.

PLASTIC PARTS

It is advisable to clean interior plastic parts with a damp cloth and a solution of water and mild, non-abrasive detergent. Use specific products for cleaning plastic, without solvents and specifically designed to prevent damage to the appearance and colour of the treated parts to remove grease and tough stains.

IMPORTANT Never use spirits or petroleum to clean the instrument panel.

LEATHER STEERING WHEEL/GEAR KNOB/HANDBRAKE

(for versions/markets, where provided)

These components must be cleaned with mild soap and water only. Never use alcohol or alcohol-based products.

Read the product label carefully before using specific products for cleaning the interiors: make sure the product does not contain spirits or alcohol-based substances.

If, when cleaning the windscreen with special products, window cleaner accidentally drips onto the leather of the steering wheel/gear lever knob/hand brake, wipe away immediately and then wash the affected area with mild soap and water.

IMPORTANT Be careful when using a steering wheel lock device, where applicable, to avoid damaging the leather upholstery by rubbing.

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IDENTIFICATION DATA

We recommend taking note of the identification codes. Identification codes are printed and shown on the plates as indicated below, together with the positions:

- VIN plate.
- Chassis marking.
- Bodywork paint identification plate.
- Engine marking.

V.I.N. PLATE

This plate is fitted to the engine compartment front crossmember and contains the following data fig. 243:

- 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)

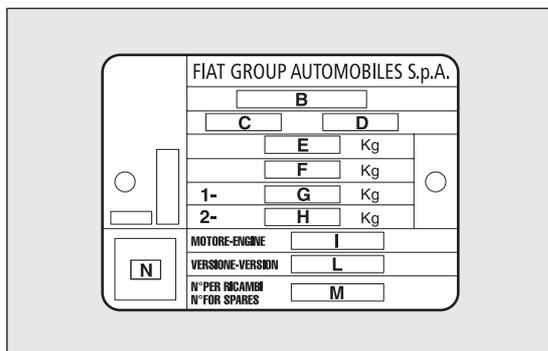


fig. 243

F0N0333

CHASSIS MARKING

They are located respectively: one on the passenger side interior wheel arch, A fig. 244, and the other on the low part of the windscreen fig. 245.

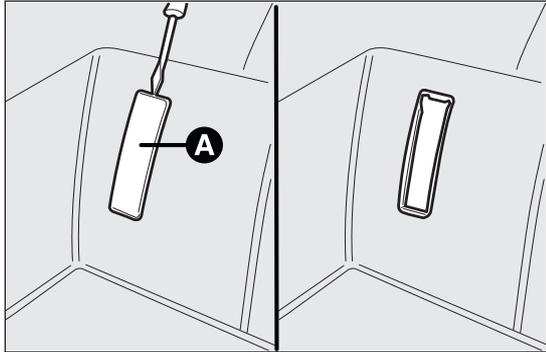


fig. 244

F0N0162

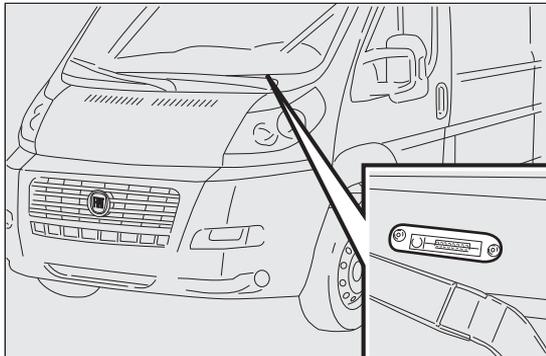


fig. 245

F0N0338

The marking includes:

- type of vehicle;
- chassis serial number.

BODYWORK PAINT IDENTIFICATION PLATE

This plate is fitted to the engine compartment front crossmember fig. 246 and contains the following data:

- A** Paint manufacturer.
- B** Colour name.
- C** Fiat colour code.
- D** Respray and touch up code.

ENGINE MARKING

This is stamped on the cylinder block and gives the model and the chassis serial number.

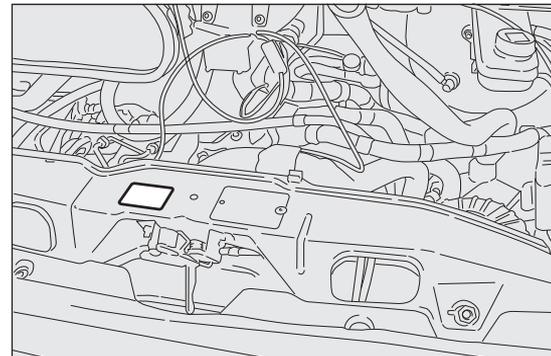


fig. 246

F0N0160

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Version	Engine code
I 10 Multijet (*)	FIAE348IG
I 15 Multijet (*)	250A1000
I 30 Multijet	FIAE348ID
I 50 Multijet	FIAE348IE
I 80 Multijet Power	FICE348IE

(*)Version for specific markets

There is an example of a bodywork version code below by way of explanation with a key which is valid for all bodywork version codes:

Example:

250 A M M F A DX**250** MODEL**A** GWV**M** ENGINE**M** ENGINE TRANSMISSION/AXLES**F** BODYWORK**A** WHEELBASE**RH** VERSION

GVW

- A** 3000 kg
- B** 3300 kg
- C** 3500 kg
- D** 3500 kg MAXI
- E** 4005/4250 kg
- F** 2800 kg
- G** 3650 kg

ENGINE

- M** I 30 Multijet
- N** I 50 Multijet
- P** I 80 Multijet Power
- R** I 15 Multijet
- V** I 10 Multijet

TRANSMISSION

- M** Manual gearbox
- A** Automatic gearbox

WHEELBASE

- A** Short wheelbase
- B** Medium wheelbase
- C** Long wheelbase
- D** Medium-long wheelbase
- U** All wheelbases (incomplete vehicles)

BODYWORK

- A** Cab chassis
- B** Chassis without cab
- C** Platform chassis cab
- D** Box truck
- E** Primary school bus
- F** Van
- G** Long cab trailer
- H** Long cab chassis
- L** Middle school bus
- M** Bus
- P** Panorama
- R** 6/9 seater crew cab

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ENGINE

General information	110 Multijet (*)	115 Multijet (*)	130 Multijet	150 Multijet	180 Multijet Power
Type code	FIAE3481G	250A1000	FIAE3481D	FIAE3481E	FICE3481E
Cycle	Diesel	Diesel	Diesel	Diesel	Diesel
Number and arrangement of cylinders	4 in line	4 in line	4 in line	4 in line	4 in line
Piston diameter and travel (mm)	88 x 94	83 x 90.4	88 x 94	88 x 94	95.8 x 104
Total displacement (cm ³)	2287	1956	2287	2287	2999
Compression ratio	16,2 : 1	16,5 : 1	16,2 : 1	16,2 : 1	17,5 : 1
Maximum power (EEC) (kW)	82,5	84,6	96	109	130
Maximum power (EEC) (HP)	110	115	130	148	177
Corresponding engine speed (rpm)	3600	3750	3600	3600	3500
Max torque (EEC) (Nm)	300	280	320	350	400
Corresponding engine speed (rpm)	1800	1500	1800	1500	1400
Fuel	Diesel for motor vehicles (EN590 specification)				

(*)Version for specific markets

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FUEL SUPPLY

Versions

Fuel supply

All

Common Rail direct injection



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	Drive
115 MultiJet (*)	Five forward gears and reverse with synchronizers for forward gear engagement	Self-adjusting pedal without idle stroke	Front
110 MultiJet (*)	Six forward gears plus reverse with synchronisers for forward gear engagement		
130 MultiJet			
150 MultiJet			
180 MultiJet Power			

(*)Version for specific markets

SUSPENSION

Versions	Front	Rear
Front	independent wheel MacPherson type	Tubular rigid beam axle; longitudinal leaf spring
Rear		

BRAKES

Front service brakes	Rear service brakes	Parking brake
self-ventilated discs	discs	controlled by hand lever, working on rear brakes

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.

STEERING

Versions	Turning circle (m)	Type
Short wheelbase	11,06	rack and pinion with hydraulic power steering
Medium wheelbase	12,46	
Medium-long wheelbase	13,54	
Long wheelbase	14,28	

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WHEELS

RIMS AND TYRES

Pressed steel or alloy rims. Tubeless radial carcass tyres. The vehicle registration document also lists all type-approved tyres.

IMPORTANT If there are any discrepancies between the Owner handbook and the registration document, take the information from the latter.

For safe driving, the vehicle must be fitted with tyres of the same make and type on all wheels.

IMPORTANT Do not use tubes with tubeless tires.

SPARE WHEEL

Pressed steel rim. Tubeless tyre.

WHEEL GEOMETRY

Front wheel toe-in measured from rim to rim: -1 ± 1 mm.

The values refer to the vehicle in running order.

CORRECT READING OF THE TYRE

Example: 215/70 R 15 109S (see fig. 247)

215 Rated width (S, distance in mm between sidewalls)

70 Height/width ratio (H/S) as a percentage

R Radial tyre

15 Rim diameter in inches (\emptyset)

109 Load rating (capacity)

S Maximum speed rating

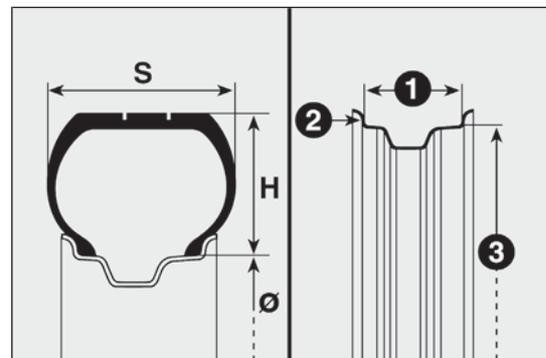


fig. 247

F0N0113

Maximum speed rating

Q up to 160 km/h

R up to 170 km/h

S up to 180 km/h

T up to 190 km/h

U up to 200 km/h

H up to 210 km/h

V up to 240 km/h

Maximum speed 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

71 345 kg

72 355 kg

73 365 kg

74 375 kg

75 387 kg

76 400 kg

77 412 kg

78 425 kg

79 437 kg

80 450 kg

81 462 kg

82 475 kg

83 487 kg

84 500 kg

85 515 kg

86 530 kg

87 545 kg

88 560 kg

89 580 kg

90 600 kg

91 615 kg

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RIM PROTECTOR TYRES



WARNING

DO NOT fit hub caps when using integral caps fixed (with springs) to the steel rim and aftersale tyres provided with Rim Protector fig. 248. Use of unsuitable tyres and wheel caps may cause sudden loss of tyre pressure.



fig. 248

F0N0860

CORRECT READING OF THE WHEEL RIM

Example: 6J x 15 ET 43 (see fig. 247)

6 rim diameter in inches (1).

J rim drop centre outline (side projection where the tyre bead rests) (2).

15 rim nominal diameter in inches (corresponds to diameter of the tyre to be mounted) (3 = Ø).

ET 43 wheel camber (distance between the disc/rim support plane and the wheel rim centre line).

RIMS AND TYRES PROVIDED AS STANDARD

Versions	Rims	Tyres provided
Ducato (*)	6Jx15" - H2	205/70 R15C 106/104R (*)
Ducato (except recreational)	6Jx15" - H2	215/70 R15C 109/107S
		225/70 R15C 112/110S
Ducato (recreational)	6Jx15" - H2	215/70 R15CP 109/107Q
Ducato Maxi (except recreational)	6Jx16" - H2	215/70 R16C 116/114R
		225/75 R16C 118/116R
Ducato Maxi (recreational)	6Jx16" - H2	225/75 R16C 116/114Q

(*) Version for specific markets

If using M+S winter tyres with speed index lower than "S" for 15" wheels and "R" for 16" wheels, respect the max. vehicle speed indicated in the table: Maximum speed index.

IMPORTANT Only use the tyres indicated on the vehicle registration document.

If using class C tyres on a Camping vehicle, always use wheels with a metal inflation valve. When replacing, it is always advisable to use Camping tyres.

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COLD TYRE INFLATION PRESSURE (bar)

KNOW YOUR VEHICLE	Tyres provided	Use	Front	Rear
SAFETY	215/70 R15	3000 GVW (*) with basic tyres, except for PANORAMA 3300 GVW (*) / 3500 GVW (*) with basic tyres	4,0 ± 0,05	4,0 ± 0,05
	215/70 R15	PANORAMA with basic tyres	4,1 ± 0,05	4,5 ± 0,05
STARTING AND DRIVING	225/70 R15	3000 GVW (*) with oversized tyres, except for PANORAMA 3300 GVW (*) / 3500 GVW (*) with oversized tyres	4,0 ± 0,05	4,0 ± 0,05
	225/70 R15 C	Winter tyres M+S class C on Camping vehicle	4,1 ± 0,05	4,5 ± 0,05
WARNING LIGHTS AND MESSAGES	225/70 R15	PANORAMA with oversized tyres	4,3 ± 0,05	4,75 ± 0,05
	215/70 R15 CP	Range with camping tyres	4,1 ± 0,05	4,5 ± 0,05
	215/75 R16	Maxi range with basic tyres	5,0 ± 0,05	5,5 ± 0,05
IN AN EMERGENCY	225/75 R16	Maxi range with oversized tyres	4,5 ± 0,05	5,0 ± 0,05
	225/75 R16 C	Winter tyres M+S class C on Camping vehicle	4,5 ± 0,05	5,0 ± 0,05
	225/75 R16 CP	Maxi range with Camping tyres	5,2 ± 0,05	5,2 ± 0,05
SERVICING AND MAINTENANCE	225/75 R16 CP	Maxi range with Camping tyres	5,5 ± 0,05	5,5 ± 0,05

(*)Gross vehicle weight

Add +0.3 bar to the prescribed pressure when the tyres are warm. However, recheck that the value is correct with the tyre cold. With snow tyres, add +0.2 bar to the inflation pressure value prescribed for standard tyres.

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DIMENSIONS

VAN VERSION

Dimensions are expressed in mm and refer to the vehicle fitted with standard tyres.

Height is measured with the vehicle unladen.

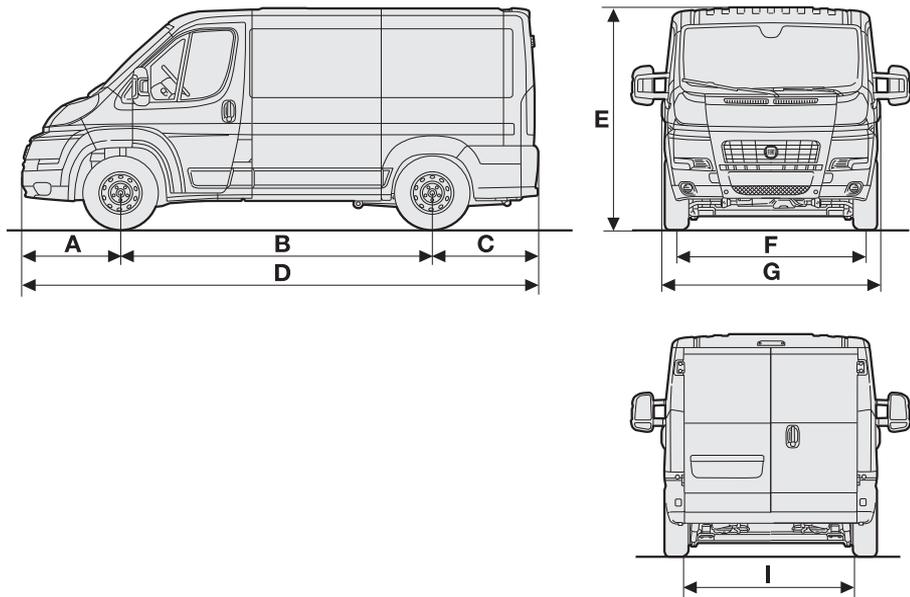


fig. 249

F0N0852

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	VAN			
	CHI - CH2	MHI - MH2	LH2 - LH3	XLH2 - XLH3
A	948	948	948	948
B	3000	3450	4035	4035
C	1015	1015	1015	1380
D	4963	5413	5998	6363
E	2254 - 2524	2254 - 2524	2524 - 2764	2524 - 2764
F	1810	1810	1810	1810
G	2050	2050	2050	2050
I	1790	1790	1790	1790

The sizes vary according to the various versions within the limits indicated above

TRUCK VERSION

Dimensions are expressed in mm and refer to the vehicle fitted with standard tyres.

Height is measured with the vehicle unladen.

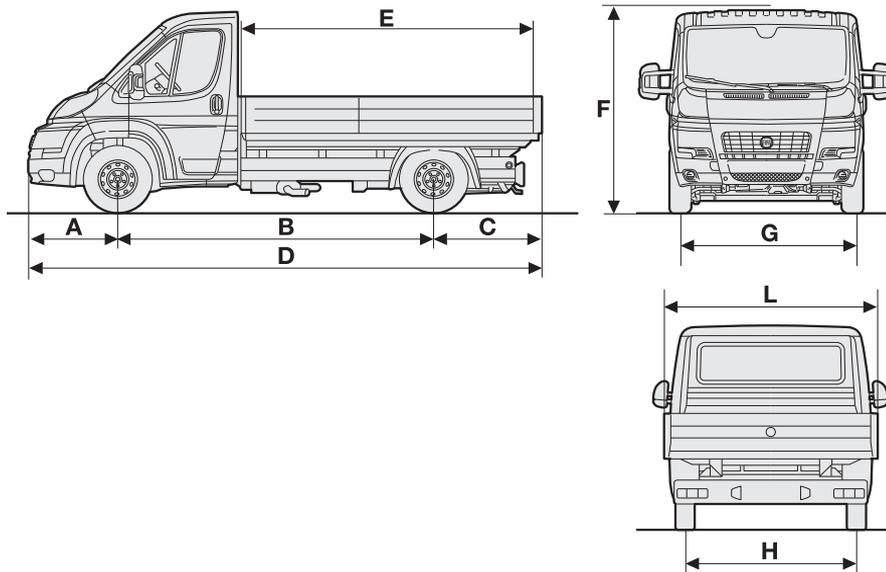


fig. 250

F0N0342

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	FLATBED				CHASSIS CAB					
	CHI	MHI	LHI	XLHI	CHI	MHI - MLHI	LHI	XLHI	XXLHI	
KNOW YOUR VEHICLE										
SAFETY	A	948	948	948	948	948	948	948	948	
	B	3000	3450	4035	4035	3000	3450 - 3800	4035	4035	4300
STARTING AND DRIVING	C	1345	1345	1345	1710	960	960	960	1325	1590
	D	5293	5743	6328	6693	4908	5358 - 5708	5943	6308	6573
WARNING LIGHTS AND MESSAGES	E	2798	3248	3833	4198	-	-	-	-	-
	F	2254	2254	2254	2254	2254	2254	2254	2254	2519
	G	1810	1810	1810	1810	1810	1810	1810	1810	1810
IN AN EMERGENCY	H	1790	1790	1790	1790	1790 - 1980	1790 - 1980	1790 - 1980	1790 - 1980	1790 - 1980
	L	2100	2100	2100	2100	2050	2050	2050	2050	2050

The sizes vary according to the various versions within the limits indicated above

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	CHASSIS COWL					SPECIAL CAB				
	CHI	MHI - MLHI	LHI	XLHI	XXLHI	CHI	MHI - MLHI	LHI	XLHI	XXLHI
A	925	925	925	925	925	948	948	948	948	948
B	3000	3450 - 3800	4035	4035	4300	3000	3450 - 3800	4035	4035	4300
C	860	860	860	1225	1490	880	880	880	1245	1510
D	4785	5235 - 5585	5820	6125	6390	4828	5278 - 5628	5863	6228	6493
E	-	-	-	-	-	-	-	-	-	-
F	-	-	-	-	-	2254	2254	2254	2254	2254
G	1810	1810	1810	1810	1810	1810	1810	1810	1810	1810
H	1790 - 1980	1790 - 1980	1790 - 1980	1790 - 1980	1790 - 1980	1790 - 1980	1790 - 1980	1790 - 1980	1790 - 1980	1790 - 1980
L	2050	2050	2050	2050	2050	2050	2050	2050	2050	2050

The sizes vary according to the various versions within the limits indicated above

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SPECIAL CHASSIS COWL

	CHI	MHI - MH2	LHI	XLHI	XXLHI
A	925	925	925	925	925
B	3000	3450 - 3800	4035	4035	4300
C	880	880	880	1245	1510
D	4805	5255 - 5605	5840	6205	6470
G	1810	1810	1810	1810	1810
H	1790 - 1980	1790 - 1980	1790 - 1980	1790 - 1980	1790 - 1980
L	2050	2050	2050	2050	2050

The sizes vary according to the various versions within the limits indicated above

PERFORMANCE

Top permitted speed after initial vehicle use in km/h.

		110 Multijet (*)	115 Multijet (*)	130 Multijet	150 Multijet	180 Multijet Power
VAN	CHI - MH1	145	148	155	161 (*) / 162	161 (*) / 171
	CH2 - MH2 - LH2 - XLH2	142	143	150	157	160 (*) / 166
	LH3 - XLH3	137	138	145	152	155 (*) / 161
TRUCKS WITH TRAILER	CHI	145	148	155	157	161 (*) / 171
	MH1 - LH1					

(*) Maxi range

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WEIGHTS

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VAN WEIGHTS

SAFETY

3000 kg GVW versions(***)

115 Multijet (°)

110 (°)/130/150 Multijet

180 Multijet Power

Unladen weight (with all fluids, fuel tank filled to 90% and without optional equipment)

1845 ÷ 1910

1860 ÷ 1925

1910 ÷ 1975

Payload (*) including the driver:

1090 ÷ 1155

1075 ÷ 1140

1025 ÷ 1090

Maximum permitted loads (**)

– front axle:

1630

1630

1630

– rear axle:

1650

1650

1650

– total:

3000

3000

3000

Towable loads:

– trailer with brakes:

2000

2500

2500

– trailer without brakes:

750

750

750

Maximum load on ball (trailer with brakes):

100

100

100

Maximum load on roof (evenly distributed):

150

150

150

(***)The values indicated refer to panel and glazed Vans in medium and short wheelbases with high and low sides.

(°)Version for specific markets

(*)If special equipment is fitted (tow hitch, etc.) the unladen car weight increases, thus reducing the specified payload with respect to the maximum permitted loads.

(**)Loads not to be exceeded. The user is responsible for arranging goods in the luggage compartment and/or load platform within the maximum permitted loads.

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VAN WEIGHTS

3300 kg GVW versions(***)	115 Multijet (°)	110 (°)/130/150 Multijet	180 Multijet Power
Unladen weight (with all fluids, fuel tank filled to 90% and without optional equipment)	1845 ÷ 1985	1860 ÷ 2000	1910 ÷ 2050
Payload (*) including the driver:	1315 ÷ 1455	1300 ÷ 1440	1250 ÷ 1390
Maximum permitted loads (**)			
– front axle:	1750	1750	1750
– rear axle:	1900	1900	1900
– total:	3300	3300	3300
Towable loads (braked trailer):	2000	2500	2500
Towable loads (non-braked trailer):	750	750	750
Maximum load on ball (trailer with brakes):	100	100	100
Maximum load on roof (evenly distributed):	150	150	150

(***)The values indicated refer to panel and glazed Vans in medium and short wheelbases with high and low sides.

(°)Version for specific markets

(*)If special equipment is fitted (tow hitch, etc.) the unladen car weight increases, thus reducing the specified payload with respect to the maximum permitted loads.

(**)Loads not to be exceeded. The user is responsible for arranging goods in the luggage compartment and/or load platform within the maximum permitted loads.

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VAN WEIGHTS

KNOW YOUR VEHICLE	3500 kg GVW versions(***)	115 Multijet (°)	110 (°)/130/150 Multijet	180 Multijet Power
SAFETY	Unladen weight (with all fluids, fuel tank filled to 90% and without optional equipment)	1845 ÷ 1985	1860 ÷ 2000	1910 ÷ 2050
	Payload (*) including the driver:	1515 ÷ 1655	1500 ÷ 1640	1450 ÷ 1590
STARTING AND DRIVING	Maximum permitted loads (**)			
	– front axle:	1850	1850	1850
	– rear axle:	2000	2000	2000
WARNING LIGHTS AND MESSAGES	– total:	3500	3500	3500
	Towable loads (braked trailer):	2000	2500	2500
IN AN EMERGENCY	Towable loads (non-braked trailer):	750	750	750
	Maximum load on ball (trailer with brakes):	100	100	100
	Maximum load on roof (evenly distributed):	150	150	150

(***)The values indicated refer to panel and glazed Vans in medium and short wheelbases with high and low sides.

(°)Version for specific markets

(*)If special equipment is fitted (tow hitch, etc.) the unladen car weight increases, thus reducing the specified payload with respect to the maximum permitted loads.

(**)Loads not to be exceeded. The user is responsible for arranging goods in the luggage compartment and/or load platform within the maximum permitted loads.

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VAN WEIGHTS (MAXI versions)

	Versions with GVW 3500 kg (***)		Versions with GVW 4000 kg (***)	
	110 (°)/130/150 Multijet	180 Multijet Power	110 (°)/130/150 Multijet	180 Multijet Power
Unladen weight (with all fluids, fuel tank filled to 90% and without optional equipment)	1940 ÷ 2090	1990 ÷ 2140	2010 ÷ 2135	2060 ÷ 2185
Payload (*) including driver:	1410 ÷ 1560	1360 ÷ 1510	1865 ÷ 1990	1815 ÷ 1940
Maximum permitted loads (**)				
– front axle:	2100	2100	2100	2100
– rear axle:	2400	2400	2400	2400
– total:	3500	3500	4000	4000
Towable loads (braked trailer):	3000	3000	2500	2500
Towable loads (non-braked trailer):	750	750	750	750
Maximum load on ball (trailer with brakes):	120	120	100	100
Maximum load on roof (evenly distributed):	150	150	150	150

(***)The values indicated refer to panel and glazed Vans in medium and short wheelbases with high and low sides.

(°)Version for specific markets

(*)If special equipment is fitted (tow hitch, etc.) the unladen car weight increases, thus reducing the specified payload with respect to the maximum permitted loads.

(**)Loads not to be exceeded. The user is responsible for arranging goods in the luggage compartment and/or load platform within the maximum permitted loads.

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TRUCK TRAILER WEIGHTS

KNOW YOUR VEHICLE	3000 kg GVW versions	115 Multijet (°)	110 (°)/130 Multijet	180 Multijet Power
SAFETY	Unladen weight (with all fluids, fuel tank filled to 90% and without optional equipment)	1795 ÷ 1840	1810 ÷ 1855	1860 ÷ 1905
	Payload (*) including the driver:	1125 ÷ 1160	1125 ÷ 1145	1095 ÷ 1140
STARTING AND DRIVING	Maximum permitted loads (**)			
	– front axle:	1630	1630	1630
	– rear axle:	1650	1650	1650
WARNING LIGHTS AND MESSAGES	– total:	2920-3000	2935-3000	2935-3000
	Towable loads:			
IN AN EMERGENCY	– trailer with brakes:	2000	2500	2500
	– trailer without brakes:	750	750	750
SERVICING AND MAINTENANCE	Maximum load on ball (trailer with brakes):	100	100	100

(°)Version for specific markets

(*)If special equipment is fitted (tow hitch, etc.) the unladen car weight increases, thus reducing the specified payload with respect to the maximum permitted loads.

(**)Loads not to be exceeded. The user is responsible for arranging goods in the luggage compartment and/or load platform within the maximum permitted loads.

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TRUCK TRAILER WEIGHTS

3300 kg GVW versions	115 Multijet (°)	110 (°)/130 Multijet	180 Multijet Power
Unladen weight (with all fluids, fuel tank filled to 90% and without optional equipment)	1795 ÷ 1895	1810 ÷ 1910	1860 ÷ 1960
Payload (*) including the driver:	1405 ÷ 1435	1390 ÷ 1435	1340 ÷ 1440
Maximum permitted loads (**)			
– front axle:	1750	1750	1750
– rear axle:	1900	1900	1900
– total:	3230-3300	3245-3300	3245-3300
Towable loads:			
– trailer with brakes:	2000	2500	2500
– trailer without brakes:	750	750	750
Maximum load on ball (trailer with brakes):	100	100	100

(°)Version for specific markets

(*)If special equipment is fitted (tow hitch, etc.) the unladen car weight increases, thus reducing the specified payload with respect to the maximum permitted loads.

(**)Loads not to be exceeded. The user is responsible for arranging goods in the luggage compartment and/or load platform within the maximum permitted loads.

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TRUCK TRAILER WEIGHTS

KNOW YOUR VEHICLE	3500 kg GVW versions	115 Multijet (°)	110 (°)/130 Multijet	180 Multijet Power
SAFETY	Unladen weight (with all fluids, fuel tank filled to 90% and without optional equipment)	1795 ÷ 1895	1810 ÷ 1910	1860 ÷ 1960
	Payload (*) including the driver:	1535 ÷ 1590	1535 ÷ 1590	1540 ÷ 1640
STARTING AND DRIVING	Maximum permitted loads (**)			
	– front axle:	1850	1850	1850
	– rear axle:	2000	2000	2000
WARNING LIGHTS AND MESSAGES	– total:	3330-3500	3345-3500	3345-3500
	Towable loads:			
IN AN EMERGENCY	– trailer with brakes:	2000	2500	2500
	– trailer without brakes:	750	750	750
SERVICING AND MAINTENANCE	Maximum load on ball (trailer with brakes):	100	100	100

(°)Version for specific markets

(*)If special equipment is fitted (tow hitch, etc.) the unladen car weight increases, thus reducing the specified payload with respect to the maximum permitted loads.

(**)Loads not to be exceeded. The user is responsible for arranging goods in the luggage compartment and/or load platform within the maximum permitted loads.

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TRAILER TRUCK WEIGHTS (MAXI versions)

	3500 kg GVW versions		4000 kg GVW versions	
	110 (°)/130 Multijet	180 Multijet Power	110 (°)/130 Multijet	180 Multijet Power
Unladen weight (with all fluids, fuel tank filled to 90% and without optional equipment)	1895 ÷ 1985	1945 ÷ 2035	1895 ÷ 1985	1945 ÷ 2035
Payload (*) including the driver:	1515 ÷ 1605	1465 ÷ 1555	2015 ÷ 2105	1965 ÷ 2055
Maximum permitted loads (**)				
– front axle:	2100	2100	2100	2100
– rear axle:	2400	2400	2400	2400
– total:	3500	3500	4000	4000
Towable loads:				
– trailer with brakes:	2500	2500	2500	2500
– trailer without brakes:	750	750	750	750
Maximum load on ball (trailer with brakes):	120	120	120	120

(°)Version for specific markets

(*)If special equipment is fitted (tow hitch, etc.) the unladen car weight increases, thus reducing the specified payload with respect to the maximum permitted loads.

(**)Loads not to be exceeded. The user is responsible for arranging goods in the luggage compartment and/or load platform within the maximum permitted loads.

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WEIGHTS OF CHASSIS CAB FRAME WITH PLATFORM

	3000 kg GVW versions		3300 kg GVW versions	
	115 Multijet (°)	110 (°)/130/150 Multijet	115 Multijet (°)	110 (°)/130/150 Multijet
Unladen weight (*) (with all fluids, fuel tank 90% full and without optional equipment)	1600	1580 ÷ 1615	1580 ÷ 1615	1595 ÷ 1630
Maximum permitted loads (**)				
– front axle:	1630	1630	1750	1750
– rear axle:	1650	1650	1900	1900
– total:	3000	3000	3300	3300
Towable loads:				
– trailer with brakes:	2000	2500	2000	2500
– trailer without brakes:	750	750	750	750
Maximum load on ball (trailer with brakes):	100	100	100	100

(°)Version for specific markets

(*)If special equipment is fitted (tow hitch, etc.) the unladen car weight increases, thus reducing the specified payload with respect to the maximum permitted loads.

(**)Loads not to be exceeded. The user is responsible for arranging goods in the luggage compartment and/or load platform within the maximum permitted loads.

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WEIGHTS OF CHASSIS CAB FRAME WITH PLATFORM

3500 kg GVW versions

	115 Multijet (°)	110 (°)/130 Multijet
Unladen weight (*) (with all fluids, fuel tank 90% full and without optional equipment)	1580 ÷ 1615	1595 ÷ 1630
Maximum permitted loads (**)		
– front axle:	1850	1850
– rear axle:	2000	2000
– total:	3500	3500
Towable loads:		
– trailer with brakes:	2000	2500
– trailer without brakes:	750	750
Maximum load on ball (trailer with brakes):	100	100

(°)Version for specific markets

(*)If special equipment is fitted (tow hitch, etc.) the unladen car weight increases, thus reducing the specified payload with respect to the maximum permitted loads.

(**)Loads not to be exceeded. The user is responsible for arranging goods in the luggage compartment and/or load platform within the maximum permitted loads.

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WEIGHTS OF CHASSIS CAB FRAME WITH PLATFORM (MAXI versions)

	3500 kg GVW versions		4000 kg GVW versions	
	110 (°)/130 Multijet	180 Multijet Power	110 (°)/130 Multijet	180 Multijet Power
Unladen weight (with all fluids, fuel tank filled to 90% and without optional equipment)	1655 ÷ 1685	1705 ÷ 1735	1655 ÷ 1685	1705 ÷ 1735
Payload (*) including the driver:	1815 ÷ 1845	1765 ÷ 1795	2315 ÷ 2345	2265 ÷ 2295
Maximum permitted loads (**)				
– front axle:	2100	2100	2100	2100
– rear axle:	2400	2400	2400	2400
– total:	3500	3500	4000	4000
Towable loads:				
– trailer with brakes:	3000	3000	2500	2500
– trailer without brakes:	750	750	750	750
Maximum load on ball (trailer with brakes):	120	120	100	100

(°)Version for specific markets

(*)If special equipment is fitted (tow hitch, etc.) the unladen car weight increases, thus reducing the specified payload with respect to the maximum permitted loads.

(**)Loads not to be exceeded. The user is responsible for arranging goods in the luggage compartment and/or load platform within the maximum permitted loads.

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CHASSIS CAB FRAME WEIGHTS

3000 kg GVW versions	115 Multijet (#) (°)	110 (°)/130 Multijet(#)	180 Multijet Power(#)
Unladen weight (*) (with all fluids, fuel tank 90% full and without optional equipment)	1590 ÷ 1630	1605 ÷ 1635	1655 ÷ 1695
Maximum permitted loads (**)			
– front axle:	1630	1630	1630
– rear axle:	1650	1650	1650
– total:	3000	3000	3000
Towable loads:			
- braked trailer:	3000	3000	3000
– trailer without brakes:	750	750	750
Maximum load on ball (trailer with brakes):	100	100	100

(#)Chassis version

(°)Version for specific markets

(*)If special equipment is fitted (tow hitch, etc.) the unladen car weight increases, thus reducing the specified payload with respect to the maximum permitted loads.

(**)Loads not to be exceeded. The user is responsible for arranging goods in the luggage compartment and/or load platform within the maximum permitted loads.

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CHASSIS CAB FRAME WEIGHTS

3300 kg GVW versions

Unladen weight (with all fluids, fuel tank filled to 90% and without optional equipment) (*)

115 MultiJet (#) (°)

1590 ÷ 1640

115 MultiJet (°) (°)

1545 ÷ 1560

Maximum permitted loads (**)

– front axle:

1750

1750

– rear axle:

1900

1900

– total:

3300

3300

Towable loads:

- braked trailer:

3000

2000

– trailer without brakes:

750

750

Maximum load on ball (trailer with brakes):

100

100

(#)Chassis version

(°)Version for specific markets

(*)If special equipment is fitted (tow hitch, etc.) the unladen car weight increases, thus reducing the specified payload with respect to the maximum permitted loads.

(**)Loads not to be exceeded. The user is responsible for arranging goods in the luggage compartment and/or load platform within the maximum permitted loads.

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CHASSIS CAB FRAME WEIGHTS

	3300 kg GVW versions		3300 kg GVW versions	
	110 (°)/130 Multijet(#)	150 Multijet(#)	150 Multijet(°)	180 Multijet Power(°)
Unladen weight (with all fluids, fuel tank filled to 90% and without optional equipment) (*)	1605 ÷ 1655	1605 ÷ 1655	1560 ÷ 1580	1655 ÷ 1705
Maximum permitted loads (**)				
– front axle:	1750	1750	1750	1750
– rear axle:	1900	1900	1900	1900
– total:	3300	3300	3300	3300
Towable loads:				
– trailer with brakes:	3000	3000	2500	2500
– trailer without brakes:	750	750	750	750
Maximum load on ball (trailer with brakes):	100	100	100	100

(°)Special version

(#)Chassis version

(*)If special equipment is fitted (tow hitch, etc.) the unladen car weight increases, thus reducing the specified payload with respect to the maximum permitted loads.

(**)Loads not to be exceeded. The user is responsible for arranging goods in the luggage compartment and/or load platform within the maximum permitted loads.

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CHASSIS CAB FRAME WEIGHTS

3500 kg GVW versions

Unladen weight (with all fluids, fuel tank filled to 90% and without optional equipment) (*)

I 15 Multijet (#) (°)

1590 ÷ 1640

I 15 Multijet (°) (°)

1545 ÷ 1575

Maximum permitted loads (**)

– front axle:

1850

1850

– rear axle:

2000

2000

– total:

3500

3500

Towable loads:

- braked trailer:

3000

2000

– trailer without brakes:

750

750

Maximum load on ball (trailer with brakes):

100

100

(#)Chassis version

(°)Version for specific markets

(*)If special equipment is fitted (tow hitch, etc.) the unladen car weight increases, thus reducing the specified payload with respect to the maximum permitted loads.

(**)Loads not to be exceeded. The user is responsible for arranging goods in the luggage compartment and/or load platform within the maximum permitted loads.

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CHASSIS CAB FRAME WEIGHTS

	3500 kg GVW versions		3500 kg GVW versions	
	110 (°)/130 Multijet(#)	150 Multijet(#)	150 Multijet(°)	180 Multijet Power(°)
Unladen weight (with all fluids, fuel tank filled to 90% and without optional equipment) (*)	1605 ÷ 1655	1605 ÷ 1655	1560 ÷ 1590	1655 ÷ 1705
Maximum permitted loads (**)				
– front axle:	1850	1850	1850	1850
– rear axle:	2000	2000	2000	2000
– total:	3500	3500	3500	3500
Towable loads:				
– trailer with brakes:	3000	3000	2500	2500
– trailer without brakes:	750	750	750	750
Maximum load on ball (trailer with brakes):	100	100	100	100

(°)Special version

(#)Chassis version

(*)If special equipment is fitted (tow hitch, etc.) the unladen car weight increases, thus reducing the specified payload with respect to the maximum permitted loads.

(**)Loads not to be exceeded. The user is responsible for arranging goods in the luggage compartment and/or load platform within the maximum permitted loads.

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CHASSIS CAB FRAME WEIGHTS (MAXI versions)

	3500 kg GVW versions		3500 kg GVW versions	
	110 (°)/130 MultiJet(#)	180 MultiJet Power(#)	110 (°)/130 MultiJet(°)	180 MultiJet Power(°)
Unladen weight (with all fluids, fuel tank filled to 90% and without optional equipment)	1675 ÷ 1710	1725 ÷ 1760	1610 ÷ 1630	1660 ÷ 1680
Payload (*) including the driver	1790 ÷ 1825	1740 ÷ 1775	1870 ÷ 1890	1820 ÷ 1840
Maximum permitted loads (**)				
– front axle:	2100	2100	2100	2100
– rear axle:	2400	2400	2400	2400
– total:	3500	3500	3500	3500
Towable loads:				
– trailer with brakes:	3000	3000	2500	2500
– trailer without brakes:	750	750	750	750
Maximum load on ball (trailer with brakes):	120	120	120	120

(°)Special version

(#)Chassis version

(*)If special equipment is fitted (tow hitch, etc.) the unladen car weight increases, thus reducing the specified payload with respect to the maximum permitted loads.

(**)Loads not to be exceeded. The user is responsible for arranging goods in the luggage compartment and/or load platform within the maximum permitted loads.

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CHASSIS CAB FRAME WEIGHTS (MAXI versions)

	4000 kg GVW versions		4000 kg GVW versions	
	110 (°)/130 Multijet(#)	180 Multijet Power(#)	110 (°)/130 Multijet(°)	180 Multijet Power(°)
Unladen weight (with all fluids, fuel tank filled to 90% and without optional equipment)	1675 ÷ 1710	1725 ÷ 1760	1610 ÷ 1630	1660 ÷ 1680
Payload (*) including the driver	2290 ÷ 2325	2240 ÷ 2275	2370 ÷ 2390	2320 ÷ 2340
Maximum permitted loads (**)				
– front axle:	2100	2100	2100	2100
– rear axle:	2400	2400	2400	2400
– total:	4000	4000	4000	4000
Towable loads:				
– trailer with brakes:	3000	3000	2500	2500
– trailer without brakes:	750	750	750	750
Maximum load on ball (trailer with brakes):	100	100	100	100

(°)Special version

(#)Chassis version

(*)If special equipment is fitted (tow hitch, etc.) the unladen car weight increases, thus reducing the specified payload with respect to the maximum permitted loads.

(**)Loads not to be exceeded. The user is responsible for arranging goods in the luggage compartment and/or load platform within the maximum permitted loads.

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CHASSIS COWL WEIGHTS (MAXI versions)

	3500 kg GVW versions		3500 kg GVW versions	
	110 (°)/130 MultiJet(#)	180 MultiJet Power(#)	110 (°)/130 MultiJet(°)	180 MultiJet Power(°)
Unladen weight (with all fluids, fuel tank filled to 90% and without optional equipment)	1375÷1410	1425 ÷ 1460	1310÷1330	1360 ÷ 1380
Payload (*) including the driver	2090÷2125	2040 ÷ 2075	2170 ÷ 2190	2120 ÷ 2140
Maximum permitted loads (**)				
– front axle:	2100	2100	2100	2100
– rear axle:	2400	2400	2400	2400
– total:	3500	3500	3500	3500
Towable loads:				
– trailer with brakes:	3000	3000	2500	2500
– trailer without brakes:	750	750	750	750
Maximum load on ball (trailer with brakes):	120	120	120	120

(°)Special version

(#)Chassis version

(*)If special equipment is fitted (tow hitch, etc.) the unladen car weight increases, thus reducing the specified payload with respect to the maximum permitted loads.

(**)Loads not to be exceeded. The user is responsible for arranging goods in the luggage compartment and/or load platform within the maximum permitted loads.

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CHASSIS COWL WEIGHTS (MAXI versions)

	4000 kg GVW versions		4000 kg GVW versions	
	110 (°)/130 Multijet(#)	180 Multijet Power(#)	110 (°)/130 Multijet(°)	180 Multijet Power(°)
Unladen weight (with all fluids, fuel tank filled to 90% and without optional equipment)	1375 ÷ 1410	1425 ÷ 1460	1310 ÷ 1330	1360 ÷ 1380
Payload (*) including the driver	2590 ÷ 2625	2540 ÷ 2575	2670 ÷ 2690	2620 ÷ 2640
Maximum permitted loads (**)				
– front axle:	2100	2100	2100	2100
– rear axle:	2400	2400	2400	2400
– total:	4000	4000	4000	4000
Towable loads:				
– trailer with brakes:	3000	3000	2500	2500
– trailer without brakes:	750	750	750	750
Maximum load on ball (trailer with brakes):	100	100	100	100

(°)Special version

(#)Chassis version

(*)If special equipment is fitted (tow hitch, etc.) the unladen car weight increases, thus reducing the specified payload with respect to the maximum permitted loads.

(**)Loads not to be exceeded. The user is responsible for arranging goods in the luggage compartment and/or load platform within the maximum permitted loads.

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CREW CAB TRUCK WEIGHTS

KNOW YOUR VEHICLE	3300 kg GVW versions	115 Multijet (°)	110 (°)/130 Multijet	180 Multijet Power
SAFETY	Unladen weight (with all fluids, fuel tank filled to 90% and without optional equipment)	1950 ÷ 2010	1965 ÷ 2025	2015 ÷ 2075
	Payload (*) including the driver:	1290 ÷ 1350	1275 ÷ 1335	1225 ÷ 1285
STARTING AND DRIVING	Maximum permitted loads (**)			
	– front axle:	1750	1750	1750
	– rear axle:	1900	1900	1900
WARNING LIGHTS AND MESSAGES	– total:	3300	3300	3300
	Towable loads:			
IN AN EMERGENCY	– trailer with brakes:	2000	2500	2500
	– trailer without brakes:	750	750	750
	Maximum load on ball (trailer with brakes):	100	100	100

(°)Version for specific markets

(*)If special equipment is fitted (tow hitch, etc.) the unladen car weight increases, thus reducing the specified payload with respect to the maximum permitted loads.

(**)Loads not to be exceeded. The user is responsible for arranging goods in the luggage compartment and/or load platform within the maximum permitted loads.

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CREW CAB TRUCK WEIGHTS

3500 kg GVW versions	115 Multijet (°)	110 (°)/130 Multijet	180 Multijet Power
Unladen weight (with all fluids, fuel tank filled to 90% and without optional equipment)	1950 ÷ 2010	1965 ÷ 2025	2015 ÷ 2075
Payload (*) including the driver:	1490 ÷ 1550	1475 ÷ 1535	1425 ÷ 1485
Maximum permitted loads (**)			
– front axle:	1850	1850	1850
– rear axle:	2000	2000	2000
– total:	3500	3500	3500
Towable loads:			
– trailer with brakes:	2500	2500	2500
– trailer without brakes:	750	750	750
Maximum load on ball (trailer with brakes):	120	120	120

(°)Version for specific markets

(*)If special equipment is fitted (tow hitch, etc.) the unladen car weight increases, thus reducing the specified payload with respect to the maximum permitted loads.

(**)Loads not to be exceeded. The user is responsible for arranging goods in the luggage compartment and/or load platform within the maximum permitted loads.

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CREW CAB TRUCK WEIGHTS (MAXI versions)

	3500/4000 kg GVW versions	110 (°)/130 Multijet	180 Multijet Power
KNOW YOUR VEHICLE	Unladen weight (with all fluids, fuel tank filled to 90% and without optional equipment)	2005 ÷ 2105	2055 ÷ 2155
SAFETY	Payload (*) including the driver:	1395 ÷ 1495	1345 ÷ 1445
	Maximum permitted loads (**)		
STARTING AND DRIVING	– front axle:	2100	2100
	– rear axle:	2400	2400
	– total:	3500	3500
WARNING LIGHTS AND MESSAGES	Towable loads:		
	– trailer with brakes:	2500	2500
	– trailer without brakes:	750	750
IN AN EMERGENCY	Maximum load on ball (trailer with brakes):	120	120

(°)Version for specific markets

(*)If special equipment is fitted (tow hitch, etc.) the unladen car weight increases, thus reducing the specified payload with respect to the maximum permitted loads.

(**)Loads not to be exceeded. The user is responsible for arranging goods in the luggage compartment and/or load platform within the maximum permitted loads.

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COMBI WEIGHTS

3000 kg GVW versions	115 Multijet (°)	110 (°)/130 Multijet	180 Multijet Power
Unladen weight (with all fluids, fuel tank filled to 90% and without optional equipment)	1935	1950	2000
Payload (*) including the driver:	1065	1050	1000
Maximum permitted loads (**)			
– front axle:	1600	1600	1600
– rear axle:	1650	1650	1650
– total:	3000	3000	3000
Towable loads:			
– trailer with brakes:	2000	2500	2500
– trailer without brakes:	750	750	750
Maximum load on ball (trailer with brakes):	100	100	100

(°)Version for specific markets

(*)If special equipment is fitted (tow hitch, etc.) the unladen car weight increases, thus reducing the specified payload with respect to the maximum permitted loads.

(**)Loads not to be exceeded. The user is responsible for arranging goods in the luggage compartment and/or load platform within the maximum permitted loads.

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COMBI WEIGHTS

	3300 kg GVW versions			3500 kg GVW versions		
	115 Multijet (°)	110 (°)/130 Multijet	180 Multijet Power	110 (°)/130 Multijet	180 Multijet Power	
KNOW YOUR VEHICLE						
SAFETY	Unladen weight (with all fluids, fuel tank filled to 90% and without optional equipment)	1935 ÷ 2045	1950 ÷ 2060	2000 ÷ 2100	2125	2175
STARTING AND DRIVING	Payload (*) including the driver:	1255 ÷ 1365	1240 ÷ 1350	1190 ÷ 1300	1375	1325
	Maximum permitted loads (**)					
	– front axle:	1750	1750	1750	1850	1850
WARNING LIGHTS AND MESSAGES	– rear axle:	1900	1900	1900	2000	2000
	– total:	3300	3300	3300	3500	3500
	Towable loads:					
IN AN EMERGENCY	– trailer with brakes:	2000	2500	2500	2500	2500
	– trailer without brakes:	750	750	750	750	750
SERVICING AND MAINTENANCE	Maximum load on ball (trailer with brakes):	100	100	100	100	100

(°)Version for specific markets

(*)If special equipment is fitted (tow hitch, etc.) the unladen car weight increases, thus reducing the specified payload with respect to the maximum permitted loads.

(**)Loads not to be exceeded. The user is responsible for arranging goods in the luggage compartment and/or load platform within the maximum permitted loads.

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COMBI WEIGHTS (MAXI versions)

3500 kg GVW versions

	110 (°)/130 Multijet	180 Multijet Power
Unladen weight (with all fluids, fuel tank filled to 90% and without optional equipment)	2100	2150
Payload (*) including the driver:	1400	1350
Maximum permitted loads (**)		
– front axle:	2100	2100
– rear axle:	2400	2400
– total:	3500	3500
Towable loads:		
– trailer with brakes:	3000	3000
– trailer without brakes:	750	750
Maximum load on ball (trailer with brakes):	120	120

(°)Version for specific markets

(*)If special equipment is fitted (tow hitch, etc.) the unladen car weight increases, thus reducing the specified payload with respect to the maximum permitted loads.

(**)Loads not to be exceeded. The user is responsible for arranging goods in the luggage compartment and/or load platform within the maximum permitted loads.

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PANORAMA WEIGHTS

KNOW YOUR VEHICLE	3000 kg GVW versions	115 Multijet (°)	110 (°)/130 Multijet	180 Multijet Power
SAFETY	Unladen weight (with all fluids, fuel tank filled to 90% and without optional equipment)	2200	2215	2265
	Payload (*) including the driver:	800	785	735
STARTING AND DRIVING	Maximum permitted loads (**)			
	– front axle:	1630	1630	1630
	– rear axle:	1650	1650	1650
WARNING LIGHTS AND MESSAGES	– total:	3000	3000	3000
	Towable loads:			
IN AN EMERGENCY	– trailer with brakes:	2000	2500	2500
	– trailer without brakes:	750	750	750
	Maximum load on ball (trailer with brakes):	100	100	100

(°)Version for specific markets

(*)If special equipment is fitted (tow hitch, etc.) the unladen car weight increases, thus reducing the specified payload with respect to the maximum permitted loads.

(**)Loads not to be exceeded. The user is responsible for arranging goods in the luggage compartment and/or load platform within the maximum permitted loads.

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PANORAMA WEIGHTS

3300 kg GVW versions	115 Multijet (°)	110 (°)/130 Multijet	180 Multijet Power
Unladen weight (with all fluids, fuel tank filled to 90% and without optional equipment)	2200 ÷ 2285	2215 ÷ 2300	2265 ÷ 2350
Payload (*) including the driver:	1015 ÷ 1100	1000 ÷ 1085	950 ÷ 1035
Maximum permitted loads (**)			
– front axle:	1750	1750	1750
– rear axle:	1900	1900	1900
– total:	3300	3300	3300
Towable loads:			
– trailer with brakes:	2000	2500	2500
– trailer without brakes:	750	750	750
Maximum load on ball (trailer with brakes):	100	100	100

(°)Version for specific markets

(*)If special equipment is fitted (tow hitch, etc.) the unladen car weight increases, thus reducing the specified payload with respect to the maximum permitted loads.

(**)Loads not to be exceeded. The user is responsible for arranging goods in the luggage compartment and/or load platform within the maximum permitted loads.

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REFUELLING

	115 Multijet (°)	110 (°)/130 Multijet	150 Multijet	180 Multi- Jet Power	Prescribed fuels and original lubricants
KNOW YOUR VEHICLE					
SAFETY	Fuel tank including a reserve of (litres):	90 (*)	90 (*)	90 (*)	Diesel for motor vehicles (EN590 specification)
	including a reserve of (litres):	10/12	10/12	10/12	
STARTING AND DRIVING	Engine cooling system (litres):	8 (**)	9,6 (**)	9,6 (**)	50-50 mixture of water and PARAFLU ^{UP} (***)
	Engine sump (litres):	4,9	5,3	5,3	
WARNING LIGHTS AND MESSAGES	Engine sump and filter (litres):	5,7	5,9	5,9	SELENIA WR P.E.
	Gearbox casing/differential (litres):	-	2.7 (MLGU gearbox)	2,7	
IN AN EMERGENCY					TUTELA CAR EXPERYA

(°)Version for specific markets

(*) A 120 litre tank is available on request for all versions (with reserve of 12 litres). With the "Recreational" option a 60 litre tank is available on request (with reserve of 10 litres).

(**) With Webasto: + 1/4 litre - Underseat heater 600 cc: + 1 litre - Rear heater 900 cc: + 1.5 litres

(***) For particularly harsh climate conditions, a mixture of 60%^{UP} and 40% demineralised water is recommended.

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	115 Multijet (°)	110 (°)/130 Multijet	150 Multijet	180 Multi- Jet Power	Prescribed fuels and original lubricants
Gearbox/differential casing (litres):	2.9	2.9 (M38 gearbox)		2.9	TUTELA TRANSMISSION GEARTECH
Hydraulic braking circuit with ABS (kg):	0,6	0,6	0,6	0,6	TUTELA TOP 4
Hydraulic braking circuit with ASR/ESP (kg):	0,62	0,62	0,62	0,62	
Hydraulic power steering:	1,5	1,5	1,5	1,5	TUTELA CAR GI/E
Windscreen/headlight washer reservoir:	5,5	5,5	5,5	5,5	Mixture of water and TUTELA PROFESSIONAL SC35

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FLUIDS AND LUBRICANTS

Your vehicle 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.

RECOMMENDED PRODUCTS AND THEIR SPECIFICATIONS

Use	Fluid and lubricant features for a correct use of the car	Genuine fluids and lubricants	Replacement interval
Diesel engine lubricants	SAE 5W-30 grade synthetic based lubricants Classification FIAT 9.55535-SI ACEA C2.	SELENIA WR P.E. Contractual Technical Reference No. F510.D07	According to Scheduled Servicing Plan

In case of emergency, if the above specified lubricants 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 are not covered by the warranty.

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- 80 grade synthetic lubricant. Classification FIAT 9.55550-MZ2.	TUTELA TRANSMISSION EXPERYA Contractual Technical Reference No. F178.B06	Manual gearbox and differential
	SAE 75W-85 grade synthetic lubricant Classification FIAT 9.55550-MZ3	TUTELA TRANSMISSION GEARTECH Contractual Technical Reference No. F704.C08	Manual gearbox and differential
	Molybdenum disulphide grease, for use at high temperatures. Classification FIAT 9.55580. Consistency NLGI 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. Classification FIAT 9.55580. Consistency NLGI 0-1	TUTELA STAR 700 Contractual Technical Reference No. F701.C07	Differential side constant velocity joints
	Lubricant for power steering Exceeds "ATF DEXRON III" specifications Classification FIAT 9.55550-AG2.	TUTELA TRANSMISSION G/E Contractual Technical Reference No. F001.C94	Hydraulic power steering
Brake fluid	Synthetic fluid for brake and clutch systems Exceeds specifications: FMVSS no. 116 DOT 4, ISO 4925, SAE J 1704 Classification FIAT 9.55597.	TUTELA TOP 4 Contractual Technical Reference No. F001.A93	Hydraulic brakes and clutch controls

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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 circuits Use rate 50% up to -35°C. Mixture with different formulation products not allowed.
Diesel fuel 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 washer fluid	Mixture of alcohol and surfactants CUNA NC 956-II. FIAT Classification 9.55522.	TUTELA PROFESSIONAL SC 35 Contractual Technical Reference No. F201.D02	To be used diluted or undiluted in windscreen/rear window washer/wiper systems

(*)When the vehicle is used in particularly harsh weather conditions, we recommend using a 60-40 mixture of **PARAFLU^{UP}** and distilled water.

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: begins with cold starting, followed by driving simulating the use of the vehicle in town;
- extra-urban cycle: driving that simulates using the vehicle out of town with frequent acceleration in all gears; the speed varies from 0 to 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 situations, weather conditions, driving style, general conditions of the vehicle, trim level/equipment/accessories, climate control system, vehicle load, roof rack, other situations that affect air drag may lead to different fuel consumption levels than those measured.

Fuel consumption (according to the current European Directive - litres/100 km)

Versions	Gross vehicle weight	Consumption		
		Urban	Extra-urban	Combi
PANORAMA				
I 15 Multijet (°)	3,000 – 3,300 kg	8,6	6,0	7,0
I 10 (°)/130 Multijet	3,000 – 3,300 kg	8,7	6,1	7,1
150 Multijet	3,000 – 3,300 kg	8,7	6,1	7,1
180 Multijet Power	3,000 – 3,300 kg	10,7	6,4	8,0

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Fuel consumption (according to the current European Directive - litres/100 km)

Versions	Gross vehicle weight	Consumption		
		Urban	Extra-urban	Combi
COMBI	3,000 kg	8,0	5,4	6,4
	3,300 kg	8,3	5,7	6,7
	3,500 kg	8,3	5,7	6,7
I 15 Multijet (°)	3,000 kg	8,3	5,6	6,6
	3,300 kg	8,5	5,9	6,9
	3,500 kg	8,5	5,9	6,9
I 10 (°)/130 Multijet	3,000 kg	8,3	5,6	6,6
	3,300 kg	8,5	5,9	6,9
	3,500 kg	8,5	5,9	6,9
150 Multijet	3,000 kg	8,3	5,6	6,6
	3,300 kg	8,5	5,9	6,9
	3,500 kg	8,5	5,9	6,9
180 Multijet Power	3,000 kg	9,5	5,5	7,0
	3,300 kg	10,3	6,0	7,6
	3,500 kg	10,7	6,4	8,0

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Fuel consumption (according to the current European Directive - litres/100 km)

	Versions	Gross vehicle weight	Consumption		
			Urban	Extra-urb.	Combi
115 Multijet(°)	Van CHI/Box truck CHI MHI MLHI/ Cab chassis and double cab (*)/ Flatbed cab (*)/Chassis cowl (*)	2800, 3000, 3300, 3500	8,0	6,1	6,8
	Van MHI LHI/box truck LHI/double cab, MHI	3000, 3300, 3500	8,2	6,3	7,0
	Van LHI/Double cab LHI	3300, 3500	8,5	6,5	7,2
110 (°)/130 Multijet	Van CHI/Box truck CHI MHI/Cab chassis and double cab (*)/ Flatbed cab (*)/Chassis cowl (*)	3000, 3300, 3500	8,3	6,4	7,1
	Van CHI MHI/box truck MHI MLHI LHI/double cab, MHI	3000, 3300, 3500, 3500 Maxi, 4005, 4250 Maxi	8,5	6,4	7,2
	Van LHI/Double cab LHI, MHI	3300, 3500, 3500 Maxi, 4005, 4250 Maxi	8,8	6,6	7,4

(°)Version for specific markets

(*)Such consumption should be understood as referring to vehicles before conversion

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	Versions	Gross vehicle weight	Consumption			
			Urban	Extra-urb.	Combi	
KNOW YOUR VEHICLE						
SAFETY	Box truck CHI/Cab chassis and double cab (*)/Flatbed cab (*)/Chassis cowl (*)	3000, 3300, 3500	9,7	6,5	7,7	
	Van CHI MHI/box truck MHI MLHI LHI	3000, 3300, 3500	10,1	6,7	8,0	
STARTING AND DRIVING	180 Multijet Power	Van CHI/Box truck MHI MLHI/Cab chassis and double cab (*)/ Flatbed cab (*)/Chassis cowl (*)	3500 Heavy, 4005, 4250 Maxi	10,3	6,8	8,1
WARNING LIGHTS AND MESSAGES		Cab chassis (*)/Chassis cowl (*)	3300, 3500, 3650, 3500 Maxi, 4005, 4250 Maxi	10,6	7,0	8,3
		Van MHI LHI/box truck LHI/double cab, MHI LHI	3500 Maxi, 4005, 4250 Maxi	10,9	7,0	8,4
IN AN EMERGENCY		Van LHI/Box truck LHI/Double cab MHI LHI	3300, 3500	11,1	7,1	8,5

(*)Such consumption should be understood as referring to vehicles before conversion

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CO₂ EMISSIONS

The CO₂ emission levels given in the following tables refer to combined consumption.

CO₂ emissions (according to the current European Directive litres/100 km)

Versions	Gross vehicle weight	Emissions
PANORAMA		
115 Multijet (°)	3,000 – 3,300 kg	182
110 (°) 130 Multijet	3,000 – 3,300 kg	186
150 Multijet	3,000 – 3,300 kg	186
180 Multijet Power	3,000 – 3,300 kg	210

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CO₂ emissions (according to the current European Directive g/km)

Versions	Gross vehicle weight	Emissions
COMBI		
115 Multijet	3,000 kg	166
	3,300 kg	174
	3,500 kg	182
110 (°)/130 Multijet	3,000 kg	173
	3,300 kg	180
	3,500 kg	180
150 Multijet	3,000 kg	173
	3,300 kg	180
	3,500 kg	180
180 Multijet Power	3,000 kg	184
	3,300 kg	200
	3,500 kg	210

(°)Version for specific markets

CO₂ emissions (according to the current European Directive g/km)

	Versions	Gross vehicle weight	CO ₂ emissions
			Combi
I 15 Multijet	Van CHI/Box truck CHI MHI MLHI/Cab chassis and double cab (*)/ Flatbed cab (*)/Chassis cowl (*)	2800, 3000, 3300, 3500	179
	Van MHI LHI/box truck LHI/double cab, MHI	3000, 3300, 3500	185
	Van LHI/Double cab LHI	3300, 3500	190
I 10 (°)/I30 Multijet	Van CHI/Box truck CHI MHI/Cab chassis and double cab (*)/ Flatbed cab (*)/Chassis cowl (*)	3000, 3300, 3500	186
	Van CHI MHI/box truck MHI MLHI LHI/double cab, MHI	3000, 3300, 3500, 3500 Maxi, 4005, 4250 Maxi	189
	Van LHI/Double cab LHI, MHI	3300, 3500, 3500 Maxi, 4005, 4250 Maxi	195
I 80 Multijet Power	Box truck CHI/Cab chassis and double cab (*)/ Flatbed cab (*)/Chassis cowl (*)	3000, 3300, 3500	203
	Van CHI MHI/box truck MHI MLHI LHI	3000, 3300, 3500	209
	Van CHI/Box truck MHI MLHI/Cab chassis and double cab (*)/ Flatbed cab (*)/Chassis cowl (*)	3500 Maxi, 4005, 4250 Maxi	213
	Cab chassis (*)/Chassis cowl (*)	3300, 3500, 3650, 3500 Maxi, 4005, 4250 Maxi	219
	Van MHI LHI/box truck LHI/double cab, MHI LHI	3500 Maxi, 4005, 4250 Maxi	222
	Van LHI/Box truck LHI/Double cab MHI LHI	3300, 3500	224

(*)Such consumption should be understood as referring to vehicles before conversion

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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 "eco-compatible". To assure customers of 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 their 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 and a total permitted weight of 3.5 t

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EC - DECLARATION OF CONFORMITY

We,
Magneti Marelli Sistemi Elettronici S.p.A.
Viale A. Borletti 61/63, 20011 Corbetta, Italy

declare **under our sole responsibility** that the product:

Product Name: **NBC1250L4**

Product Description: **Infotainment system for OEM application**

is in conformity with the essential requirements of the R&TTE Directive 1999/5/EC.

The product has been tested against the following standards and specifications:

EMC (art. 3.1b): 95/54/CE directive

Safety (art. 3.1a): 95/56/CE directive

Radio Spectrum (art. 3.2): EN 300 330

The product is marked with CE marking and Notified Body number according to the Directive 1999/5/EC.

CE 0678

Place, Date of Issue
Corbetta, February 2006

Giuseppe Bergamaschi
Director of Quality Department

EMCC DR. RAŠEK

Kennnummer / Identification Number 0678

anerkannt als Benannte Stelle der Bundesrepublik Deutschland unter der Richtlinie 1999/5/EG, vertreten durch die
recognised as Notified Body for the Federal Republic of Germany under Directive 1999/5/EC, represented by



Regulierungsbehörde für
Telekommunikation und Post

EG KONFORMITÄTSBESCHEINIGUNG EC CERTIFICATE OF CONFORMITY

Registrierenummer:
Registration No.:

G101453R

Anzahl der Anlagen: 1
No. of Annexes:

Bescheinigungsinhaber:
Certificate Holder:

IXFIN MAGNETI MARELLI S.p.A.
Viale A. Borletti, 61/63
20011 Corbetta (MI), Italy

Produktbezeichnung:
Product Designation:

TRF 192.02, TRF 350.02, TRF 843.02

Produktbeschreibung:
Product Description:

Funkanlage geringer Leistung
Low Power Device

ProduktHersteller:
Product Manufacturer:

IXFIN MAGNETI MARELLI S.p.A.
Viale A. Borletti, 61/63
20011 Corbetta (MI), Italy

Prüfsergebnis:

Mit den nach Anhang IV der Richtlinie 1999/5/EG vorgelegten
Konstruktionsunterlagen ist ordnungsgemäß nachgewiesen worden, dass
die Anforderungen der Richtlinie erfüllt sind. Das Produkt ist in
Übereinstimmung mit den grundlegenden Anforderungen des Artikels 3
der Richtlinie 1999/5/EG. Eine Liste der Dokumente, die die Basis für die
Bewertung bilden ist in der Anlage dieser Bescheinigung enthalten.

Examination Result:

With the technical construction file presented according to Annex IV of Directive 1999/5/EC
it has been properly demonstrated that the requirements of the Directive have been met.
The product is in conformity with the essential requirements of Article 3 of Directive
1999/5/EC. A list of documentation forming the basis for the examination is given in the Annex
of this Certificate.

EMCCert DR. RAŠEK

- Zertifizierungsanstalt -
Boalwiese 5
91320 Ebermannstadt

Tel.: 09194-9331 Fax: -796484

Ebermannstadt, 2003-10-06
Ort, Ausstellungsdatum
Place, Date of Issue

EMCCert DR. RAŠEK • Boalwiese 5, 91320 Ebermannstadt, Germany • Tel.: +49(9194)-93311 • Fax: +49(9194)-796484

Mail: emc.cert@emcc.de • URL: <http://www.emcc.de>


Unterschrift: von / Signed by Eido de Bühr
Benannte Stelle / Notified Body



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Konstruktionsunterlagen Technical construction file

Als wesentliche Teile der gemäß Anhang IV der Richtlinie 1999/5/EG vorgelegten Konstruktionsunterlagen zum Nachweis der Übereinstimmung mit den grundlegenden Anforderungen gelten:

Relevant parts of the technical construction file presented according to Annex IV of Directive 1999/5/EC for demonstration of compliance with the essential requirements are:

1. **Prüfbericht(e):** R20471 Edition 2 vom: 2002-07-11
Test report(s): E20471 Edition 2 dated: 2002-07-11

2. **Technische Dokumentation:**
Technical documentation:
- Schematische diagram
- Parts List
- PCB layout

3. **Konformitätserklärung** vom: 2003-05-10
Declaration of Conformity dated:

Declaration of Conformity

I hereby declare that the product:

TRP 843 (remote control)

(Name of product, type or model, batch or serial number)

satisfies all the technical regulations applicable to the product within the scope of Council Directives 73/23/EEC, 89/336/EEC and 93/9/EC:

ETSI EN 300 220-3 V1.1.1: september 2000

ETSI EN 301 489-3: august 2000

EN 60950

(Title(s) of regulations, standards, etc.)

All essential radio test suites have been carried out.

NOTIFIED BODY: EMC-Cert Dr. Rasek

– Address:

Boelwiese 5

91320 Ebermannstadt

Germany

Identification Number: 0578

MANUFACTURER or AUTHORISED REPRESENTATIVE:

– Address:

IXEPI MAGNETI ROSELLI S.P.A.

Viale A. Borletti, 61/63

20011 Corbetta (MI)

ITALY

This declaration is issued under the sole responsibility of the manufacturer and, if applicable, his authorised representative.

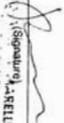
– **Point of contact:**

Eng. G. Bergamaschi Tel. +39.02.97221 Fax +39.02.97227740

(Name, telephone and fax number)

Corbetta, 10.05.2003

(Place, date of issue)


Eng. G. Bergamaschi
Viale A. Borletti, 61/63
20011 Corbetta (MI)
(Name and full production)

Declaration of conformity TRP843.doc

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In the heart of your engine.



Always ask your mechanic for **SELENIA®**

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*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**.*

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