

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

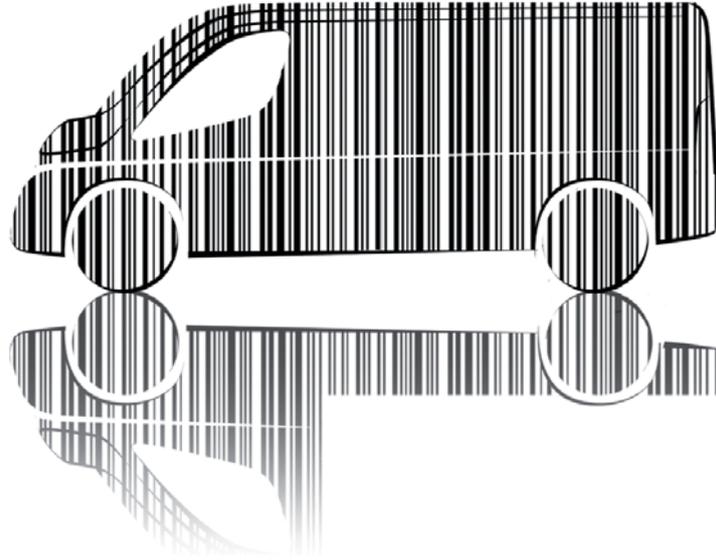
ENVIRONMENT: PARTICULATE FILTERS,
CLIMATE CONTROL SYSTEM MAINTENANCE

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**





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 technological 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 and 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 engine
and bodywork version of the vehicle 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 depending on the damage caused.

STARTING THE ENGINE



Make sure that the handbrake is engaged, set the gear lever to neutral, fully depress the clutch pedal without pressing the accelerator, then turn the ignition key to MAR-ON and wait for the warning lights  and  to go 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.

CODE card



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

SCHEDULED SERVICING



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

THE OWNER'S HANDBOOK CONTAINS...



...important information, advice and warnings for correct use, driving safety and maintenance of your vehicle over time. Pay special attention to the symbols  (personal safety)  (environmental protection)  (vehicle integrity).

KNOWING YOUR CAR

DASHBOARD

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

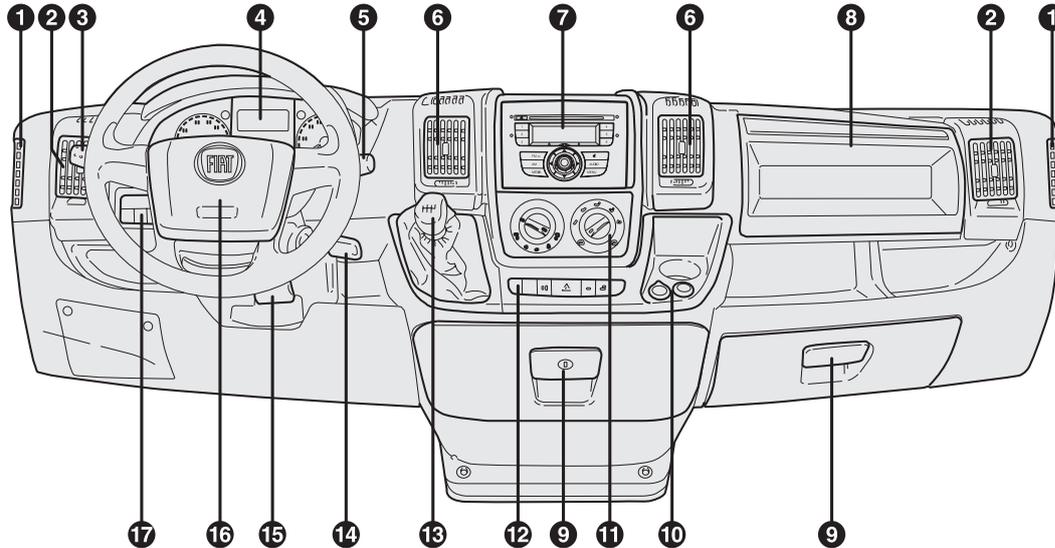


Fig. 1

F0N0510m

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

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SYMBOLS

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

The plate summarising the symbols used can be found under the bonnet, fig. 2.

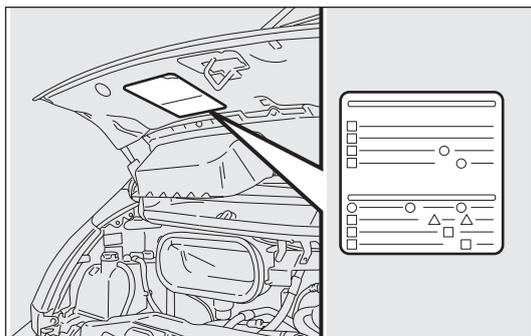


fig. 2

F0N002m

THE FIAT CODE SYSTEM

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

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

OPERATION

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

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

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

If the code is not recognised correctly during ignition, the  warning light comes on on the instrument panel together with a specific message on the display (see “Warning lights and messages”).



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

KEY WITH REMOTE CONTROL fig. 4-5

The metal insert A is retractable and it operates:

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

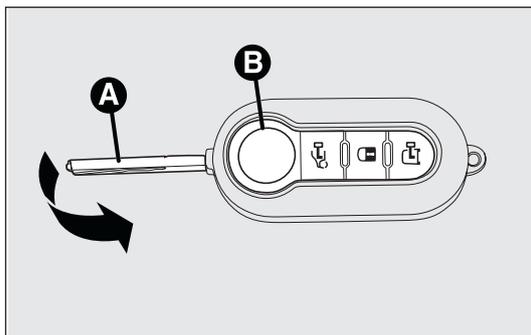


fig. 4

FON0800m

To extract the metal insert, press button B and to reinsert it proceed as follows:

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



WARNING

Button B should only be pressed when the key is away from the body, in particular from the eyes and from objects that can be spoiled (e.g. clothes). Never leave the key unattended to make sure it is not touched by others, especially children, who may inadvertently press the button.

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.

The passenger's compartment lights will come on for a preset time when the doors are unlocked.

Some versions are equipped with a key with a remote control with 2 keys  and  fig. 5.

Button  is used for locking all the doors;

Button  is used for unlocking all the doors.

Dashboard LED indications

When locking the doors, 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. 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.

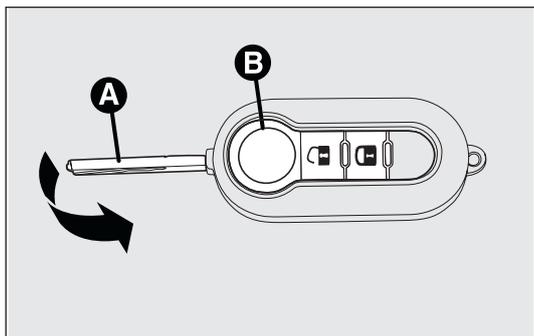


fig. 5

F0N0801m

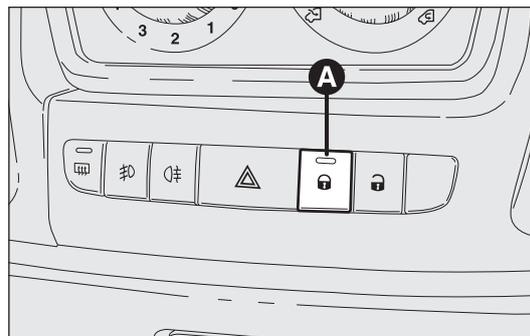


fig. 6

F0N0114m

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

To replace the battery, proceed as follows:

- press button A and bring the metal insert B to the open position;
- turn the screw C to  using a fine bit screwdriver;
- take out the battery case D and replace the battery E, respecting its polarity;
- refit the battery case D inside the key and lock it by turning the screw C to .

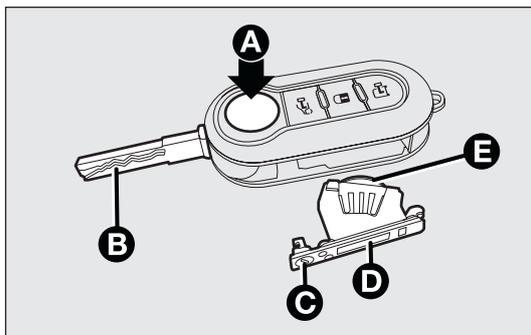


fig. 7

F0N0802m



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

KEY WITHOUT REMOTE CONTROL fig. 8

The metal insert of the key A is fixed.

The key operates:

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

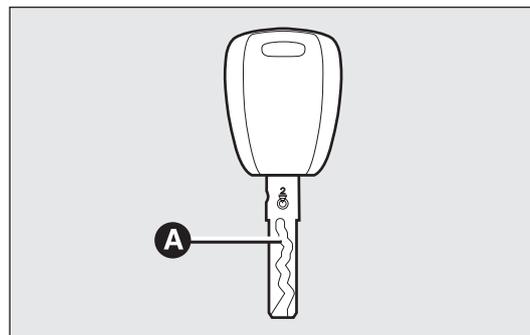


fig. 8

F0N0337m

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

Type of key	Unlocking the doors	Door closing from the outside	Dead lock activation (*)	Unlocking of load compartment lock	Windows down (*)	Windows up (*)
Key without remote control	Turn key anticlockwise (driver's side)	Turn key clockwise (driver's side)	–	–	–	–
Key with remote control	Turn key anticlockwise (driver's side)	Turn key clockwise (driver's side)	–	–	–	–
	Briefly press button 	Press briefly button 	Press button  twice	Briefly press button 	Hold down (for more than 2 seconds) button 	Hold down button  (for longer than 2 seconds)
Visual indication						
Direction indicators flashing (only with key with remote control)	blinks twice	blinks once	3 blinks	blinks twice	blinks twice	blinks once
Deterrence led	Off	Steady for approximately 3 seconds and then deterrent blinking	Double blinking and then deterrent blinking	Deterrent blinking	Off	Deterrent blinking

(*) 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.

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 TRIPPING

The alarm intervenes in the following cases:

- when one of the doors or bonnet is opened illegitimately (perimeter protection);
- when the ignition system is started up (ignition key rotated to MAR-ON);
- when the battery cables are cut.

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 lock function is guaranteed by the Fiat CODE, which is automatically activated when the ignition key is extracted from the starter device.

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 warning (beep) and enables door locking.

The switching on of the alarm is preceded by a 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 testing 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 If the central door locking system is engaged using the metal insert of the key, the alarm is not enabled.

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 turn on shortly twice;
- two short beeps are produced by the warning buzzer;
- the doors are unlocked.

IMPORTANT If the central door locking system is released using the metal insert of the key, the alarm is not disabled.

BREAK IN ATTEMPT INDICATION

Any break in attempt is indicated by the turning on of warning light  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 battery of the key with the remote control goes flat 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 can be extracted, 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.

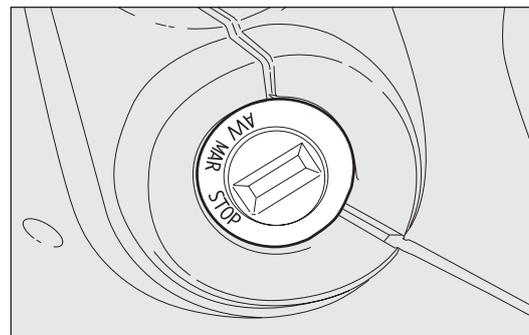


fig. 9

F0N0007m



WARNING

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



WARNING

Always remove the key from the vehicle when leaving it in order to prevent accidental engagement of the control. 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 would automatically lock as soon as you try to turn it. This is always the case, even when the vehicle is being towed.



WARNING

It is absolutely forbidden to carry out any after-sales operation involving steering system or steering column modifications (e.g. installing an anti-theft device) that could badly affect performance and safety, invalidate the warranty and also result in the vehicle failing to comply with regulations.

STEERING LOCK

Engagement

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

Disengagement

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

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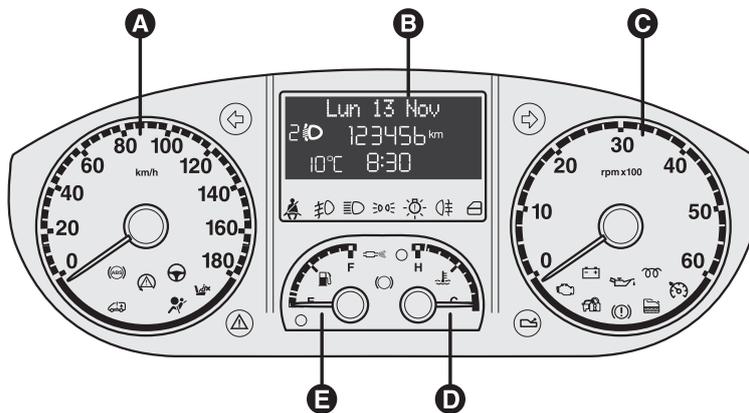
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INSTRUMENT PANEL



F0N0518m

fig. 10

- 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

INSTRUMENTS

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

SPEEDOMETER fig. 11

It shows the vehicle speed.

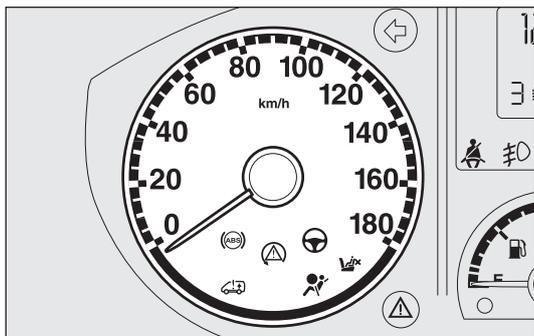


fig. 11

F0N0332m

REV COUNTER fig. 12

The rev counter shows the engine rpm.

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

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

This behaviour is standard as it takes place during the activation of the climate control system or the fan. It should not be considered as a fault. In such cases, a slight increase in engine idle speed helps to safeguard the battery charge level.

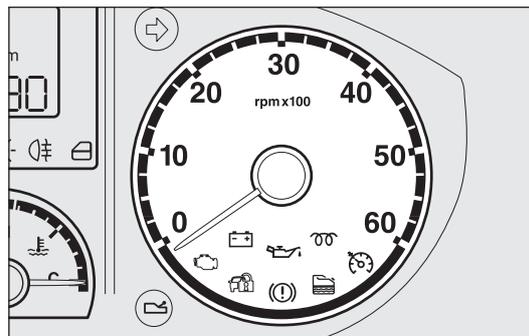


fig. 12

F0N0013m

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FUEL GAUGE fig. 13

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

- E vacuum tank;
- F tank full (see “Refuelling”).

The warning light A coming 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 fuel tank almost empty; any gaps in fuel delivery could damage the catalytic converter.

IMPORTANT The needle will point to E and warning light A will flash to indicate a fault in the system. Contact a Fiat Dealership to have the system checked.

IMPORTANT It is not advisable to start the additional heater (Webasto) when fuel is on reserve.

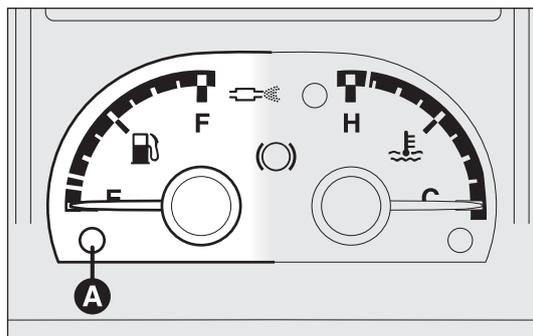


fig. 13

FON0014m

ENGINE COOLANT TEMPERATURE GAUGE fig. 14

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

In normal usage, the needle should hover around the middle of the scale.

- C Low engine coolant temperature.
- H High engine coolant temperature.

Warning light B may light up (and a message on the multifunction display may appear on certain versions) to indicate that the coolant fluid temperature is too high; in this case, stop the engine and contact a Fiat Dealership.

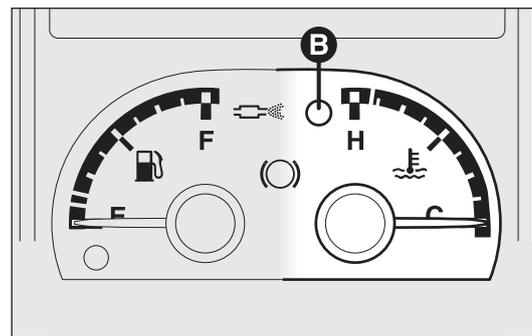


fig. 14

FON0015m



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

ENGINE OIL LEVEL GAUGE

(for versions/markets where provided)

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

When the ignition key is turned to MAR-ON the display shows the oil level on the first row by turning five symbols on/off.



The symbols are gradually turned off as the oil level drops.

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.

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 is near, the time to the next service is displayed and the warning light  lights up on the instrument panel. When the service date is reached, the display shows a dedicated message;
- then, if it is nearly time to change the engine oil, the time to the next oil change is shown on the top row of 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 fig. 15

The standard screen shows the following information:

- A Date;
- B Odometer (display of covered km or miles);
- C Time;
- D Outside temperature;
- E Headlamp alignment position (only with dipped headlamps on).



fig. 15

FON0519m

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

CONTROL BUTTONS fig. 16

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

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

Hold pressed to go back to the standard screen.

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

NOTE Buttons ▲ and ▼ activate different functions according to the following situations:

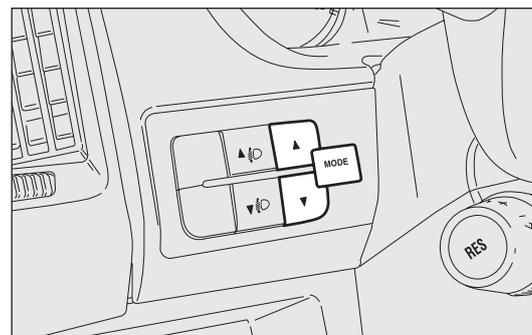


fig. 16

FON0017m

Light adjustment inside vehicle

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

Setup menu

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

– during settings operations, they increase or decrease values.

SETUP MENU fig. 17

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

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

Single presses on buttons ▲ or ▼ will scroll through the setup menu options.

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

Selecting an option from the main menu without a submenu

– Briefly press button MODE to select the main menu option that needs to be changed.

– Press buttons ▲ or ▼ (with single presses) to select the new setting.

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

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Selecting an option from the main menu with a submenu:

- a short press on the button will display the first submenu option;
- press buttons ▲ or ▼ (with single presses) to scroll through all the submenu options;
- briefly press the MODE button to select the displayed submenu option and to open the relevant set-up menu;
- press buttons ▲ or ▼ (with single presses) to select the new setting for this submenu option;
- briefly press button MODE to store the new setting and at the same time go back to the previously selected menu option.

Selecting “Date” and “Set Clock”:

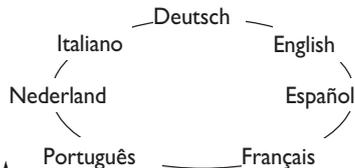
- briefly press button MODE to select the first value to be changed (e.g. hours/minutes or year/month/day);
- Press buttons ▲ or ▼ (with single presses) to select the new setting;
- briefly press MODE to store the new setting and go to the next setup menu option; if this is the last one you will go back to the previous menu option.

Hold down the MODE button:

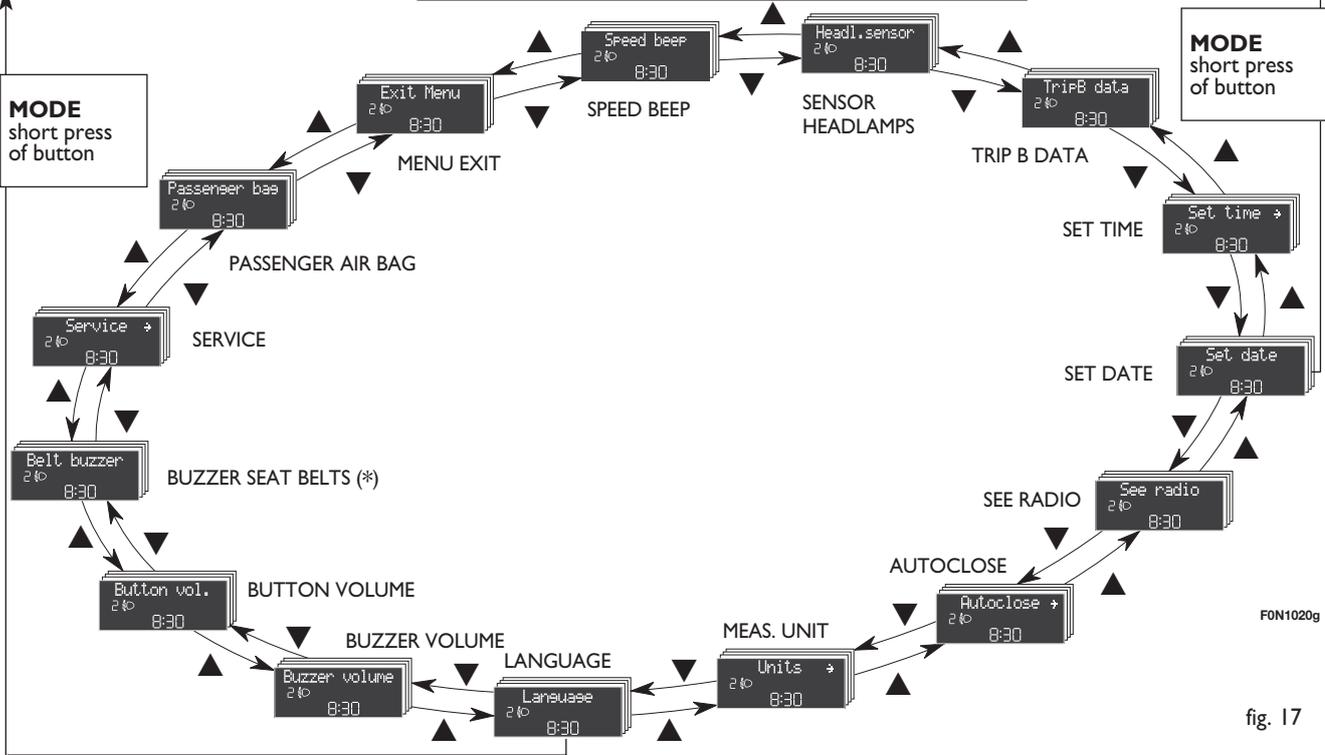
- to return to the set up menu if you are in the main menu;
- to return to the main menu if you are at another point of the menu (e.g.: at submenu option setting level, at submenu level or at main menu option setting level);
- to save only the changes stored by the user (and confirmed by pressing button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

The environment of the Set Up menu 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 button) will be saved.

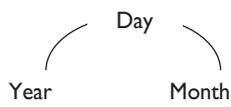
Example:



From the standard screen, briefly press button MODE to start browsing. Press ▲ or ▼ to browse within the menu.
NOTE Only the short menu may be accessed for reasons of safety while the vehicle is moving (“Speed Beep” setting). Stop the vehicle to access the full menu.



Example:



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- IN AN EMERGENCY
- MAINTENANCE AND CARE
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(*) This function may only be displayed after the SBR system is deactivated by a Fiat Dealership.

fig. 17

Speed limit (Speed Beep)

This function enables setting of the vehicle speed limit (km/h or mph). When this limit is exceeded the driver is immediately alerted (see section “Warning lights and messages”).

To set the desired speed limit, proceed as follows:

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

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

- press the MODE button briefly to return to the menu screen or press the button for longer to return to the standard screen without memorising.

To cancel the setting, proceed as follows:

- briefly press button MODE: ON flashes on the display;
- press button ▼: OFF flashes on the display;
- press the MODE button briefly to return to the menu screen or press the button for longer to return to the standard screen without memorising.

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

With this function it is possible to adjust the rain headlight sensitivity according to 3 levels.

To set the required sensitivity level, proceed as follows:

- briefly press button MODE: the previously set sensitivity “level” start to flash on the display;
- press button ▲ or ▼ to adjust;
- press the MODE button briefly to return to the menu screen or press the button for longer to return to the standard screen without memorising.

Trip B On/Off (trip B data)

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

For further information see “Trip computer”.

Proceed as follows to switch the function on and off:

- briefly press button MODE: ON or OFF flashes on the display (according to the previous setting);
- press button ▲ or ▼ to select;
- press the MODE button briefly to return to the menu screen or press the button for longer to return to the standard screen without memorising.

Setting the clock (Set time)

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

To carry out the adjustment, proceed as follows:

- briefly press the MODE button and two submenus, “Time” and “Format”, are displayed;
- press ▲ or ▼ to move between the two submenus;

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

– *when accessing the “Time” submenu:* briefly press the button MODE, “hours” will flash on the display;

– press button ▲ or ▼ to adjust;

– briefly press button MODE: “minutes” starts flashing on the display;

– press button ▲ or ▼ to adjust;

– *when accessing the “Format” submenu:* briefly press button MODE : the previously set display format will flash on the display;

– press ▲ or ▼ to select 24h or 12h.

When you have made the required settings, 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 the new settings.

– press the MODE button again for a while to return to the standard screen or to the main menu according to where you are in the menu.

Set date (Set Date)

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

Proceed as follows to update:

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

NOTE The setting increases or decreases by one unit each time button ▲ or ▼ is pressed. Hold the button pressed to increase/decrease the setting rapidly and automatically. Complete the setting by briefly pressing the button when you approach the required value.

- press the MODE button briefly to return to the menu screen or press the button for longer to return to the standard screen without memorising.

Audio information (See sound system)

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

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

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

- briefly press the button MODE: (On) or (Off) will flash on the display (depending on the previous setting);
- press button ▲ or ▼ to select;
- press the MODE button briefly to return to the menu screen or press the button for longer to return to the standard screen without memorising.

Automatic central door locking with vehicle running (Autoclose)

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

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

- briefly press the button MODE to display one submenu;
- briefly press the button MODE : “On” or “Off” flash on the display (depending on the previous setting);
- press button ▲ or ▼ to select;

- press the MODE button briefly to return to the submenu screen or give the button a long press to return to the main menu screen without storing;
- press the MODE button again for a while to return to the standard screen or to the main menu according to where you are in the menu.

Set units (Measurement units)

With this function is possible to set the unit of measurement in three submenus: “Distance”, “Consumption” and “Temperature”.

To set the required unit proceed as follows:

- briefly press MODE to display the three submenus;
- press ▲ or ▼ to move between the three submenus;
- once you have selected the submenu to be changed, press the button MODE briefly;

– *when accessing the “Distance” submenu:* briefly press the button MODE and the display will show “km” or “mi” (depending on the previous setting);

– press button ▲ or ▼ to select;

– *when accessing the “Consumption” submenu:* briefly press button MODE: the display will show “km/l”, “l/100 km” or “mpg” (according to previous setting);

If the distance unit is set to km, you can set the fuel consumption unit to km/l or l/100 km.

If the distance unit is set to mi, fuel consumption is displayed in mpg.

– press button ▲ or ▼ to select;

– *when accessing the “Temperature” submenu:* briefly press button MODE: the display will show “°C” or “°F” (according to previous setting);

– press button ▲ or ▼ to select;

When you have made the required settings, 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 the new settings.

– press the MODE button again for a while to return to the standard screen or to the main menu according to where you are in the menu.

Selecting the language (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 button MODE: the previously set language starts flashing on the display;
- press button ▲ or ▼ to select;
- press the MODE button briefly to return to the menu screen or press the button for longer to return to the standard screen without memorising.

Adjust the failure/warning buzzer volume (Buzzer Volume)

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

To set the desired volume, proceed as follows:

- press the MODE button briefly, making the display flash the previously set volume level;
- press button ▲ or ▼ to adjust;
- press the MODE button briefly to return to the menu screen or press the button for longer to return to the standard screen without memorising.

Adjust the button volume (Button Vol.)

This function is used to set the volume of the roger-beep accompanying the activation of buttons MODE, ▲ and ▼ to 8 levels.

To set the desired volume, proceed as follows:

- press the MODE button briefly, making the display flash the previously set volume level;
- press button ▲ or ▼ to adjust;
- press the MODE button briefly to return to the menu screen or press the button for longer to return to the standard screen without memorising.

S.B.R. 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).

Scheduled Servicing (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 service requirements in km or mi according to the previous setting (see paragraph “Unit of measure”);
- briefly press the MODE button to go back to the menu screen or press the button for a prolonged time to go back to the standard screen.

Oil change

This function enables to display information on the km distance to the next oil change.

To consult this information, proceed as follows:

- briefly press the MODE button; the display shows the estimated km distance to the next oil change (depending on the driving mode);
- briefly press the MODE button to go back to the menu screen or press the button for a prolonged time to go back to the standard screen.

NOTE The “Scheduled Maintenance Plan” sets out different service intervals depending on the engine type. This indication will appear automatically with the key at MAR-ON starting from 2,000 km (or 1240 mi) and will be presented automatically every 200 km (or 124 mi). Oil change notification messages are displayed in the same way. Use keys ▲ and ▼ to display service and oil change due dates alternately. Below 200 km servicing indications are more frequent. The display will be in kilometres or miles depending on the measurement unit settings. When the next scheduled service is approaching, the message “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 to carry out any service operation in the “Scheduled servicing plan” and to reset the display.

NOTE When the oil change is near to come, turning the ignition key to MAR-ON the display will show a dedicated message. Engine performance will decrease still driving in these conditions. When the oil change is due, the dedicated message is displayed again and the  and  warning lights turn on. Contact a Fiat Dealership.

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Front passenger's airbag and chest side bag activation/deactivation fig. 18

(for versions/markets, where provided)

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

Proceed as follows:

- press MODE and after the message (Bag pass Off) (deactivate) or (Bag pass On) (activate) appears by pressing buttons ▲ e ▼, press the MODE button again;
- the display will show the confirmation message;
- press buttons ▲ or ▼ to select either Yes (to confirm activation/deactivation) or No (to abort);
- briefly press button MODE: the display shows a message confirming the selected value. Now, go back to the menu screen or press the button for longer to go back to the standard screen without storing the settings.

Exit Menu

This is the last function that 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 button ▼ to return to the first menu option (Speed Beep).

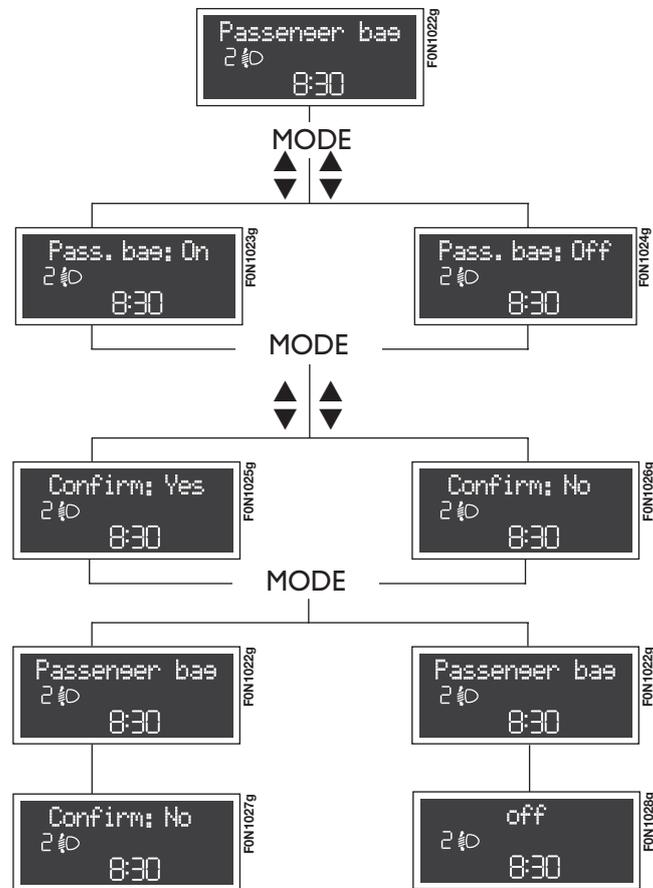


fig. 18

TRIP COMPUTER

General information

The “Trip computer” is used to display information on vehicle operation when the key is turned to MAR-ON. This function allows you to define two separate trips, called “Trip A” and “Trip B”, for monitoring the vehicle’s “complete mission” (journey) in a reciprocally independent manner. Both functions can be reset (reset means start of a new journey).

“Trip A” is used to display the figures relating to:

- Outside temperature
- Range
- Trip distance
- Average consumption
- Current consumption
- Average speed
- Trip time (driving time).

“Trip B”, available on multifunction display only, is used to display the figures relating to:

- Trip distance B
- Average consumption B
- Average speed B
- Trip time B (driving time).

NOTE “Trip B” function can be excluded (see paragraph “Trip B on”). “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)

It indicates the distance that can still be travelled based on the fuel in the tank assuming that driving conditions will not change. The message “---” will appear on the display in the following cases:

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

Trip distance

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

Average consumption (for versions/markets where provided)

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

Instant consumption (for versions/markets where provided)

This indicates instant fuel consumption and it is constantly updated. The message “---” will appear on the display if the vehicle is parked with the engine running.

Average speed

Represents the average vehicle speed as a function of the overall time elapsed since the start of a new mission.

Trip time

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

IMPORTANT In the absence of information, Trip Computer values are displayed with “----”. When normal operating conditions are restarted, calculation of different units will restart regularly. The values displayed before the failure will not be reset nor will a new mission be started.

TRIP control button fig. 19

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

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

New mission

It begins after a reset:

- “manual” resetting by the user, by pressing the relevant button;
- “automatic” resetting, when the “Trip distance” reaches 3999.9 km or 9999.9 km (according to the type of display) or when the “Travel time” reaches 99.59 (99 hours and 59 minutes);
- disconnection/reconnection of the battery.

IMPORTANT If the reset operation is carried out when “Trip A” is being displayed, only the information associated with this function is reset.

IMPORTANT If the reset operation is carried out when “Trip B” is being displayed, only the information associated with this function is reset.

Start of journey procedure

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

Exit Trip

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

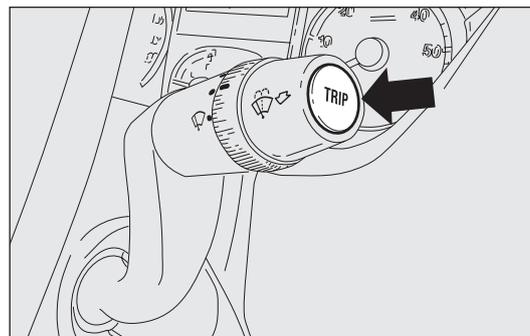


fig. 19

FON0019m

SEATS



WARNING

Any adjustments should only be carried out with the vehicle stationary.



The fabric covers on your vehicle have been dimensioned to be resistant to normal wear and tear. Some precautions are however needed. Avoid prolonged rubbing against clothing accessories, such as metal buckles, bosses, Velcro strips and the like, which by applying a high pressure on the fabric in a small area could cause the breakage of some threads and damage the upholstery.

Lengthwise direction adjustment fig. 20

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



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 the lever B upwards (front part of the seat) or the lever C (rear part of the seat) and shift your body weight away from the part of the seat to be raised.

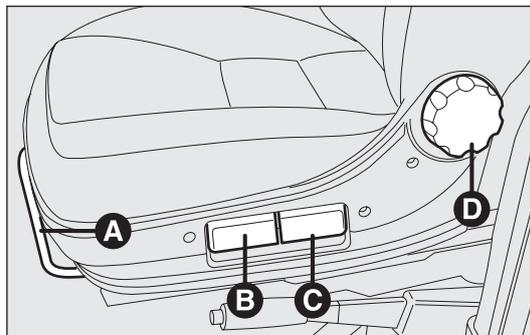


fig. 20

F0N0118m

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

Backrest angle adjustment fig. 20

Turn knob D.



WARNING

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

Lumbar adjustment

To adjust, turn knob E-fig. 21.

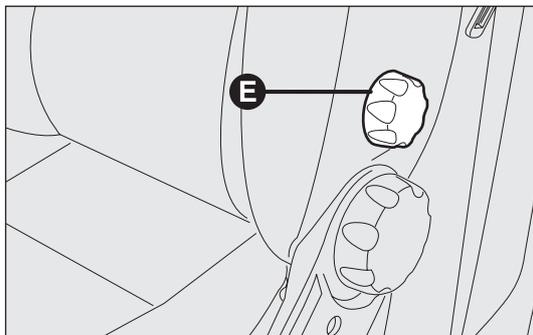


fig. 21

FON0147m

AIR 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 “Front seats” section for the lengthwise adjustments, height adjustments, backrest adjustment, lumbar adjustment and armrest adjustment.

Damper weight adjustment

Use the adjustment knob A-fig. 22 to set the required setting based on body weight, with settings between 40 kg and 130 kg.

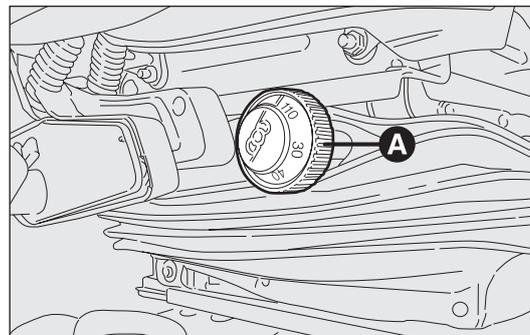


fig. 22

FON0139m

SEATS WITH ADJUSTABLE ARMRESTS

The driver's seat may be equipped with an armrest that can be raised and adjusted for height. To adjust, use the wheel A-fig. 23.



WARNING

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



WARNING

Before unfastening your seat belt and getting out of the vehicle, make sure that the (door side) outer armrest is fully raised.

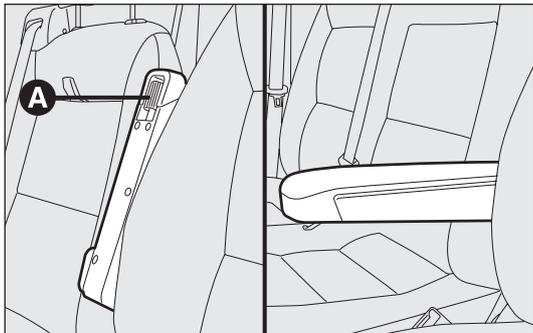


fig. 23

FON0148m

REVOLVING BASE SEAT

(for versions/markets where provided)

It may be turned through 180° toward the seat on the opposite side. Use the control A-fig. 24 to rotate the seat. Before turning, move the seat forward and only then adjust the reach fig. 25.

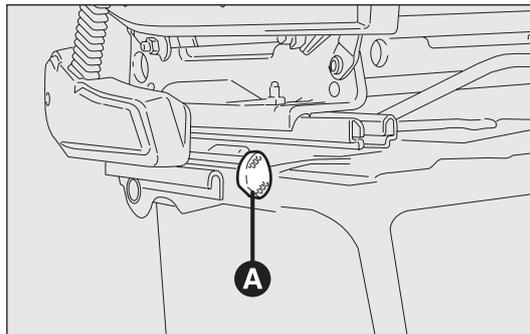


fig. 24

FON0187m

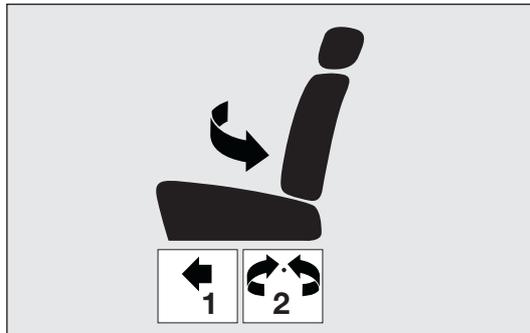


fig. 25

FON0187m

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REVOLVING SEAT WITH SEAT BELT

(for versions/markets, where provided)

It is equipped with a seat belt with three anchorage points fig. 26, 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.

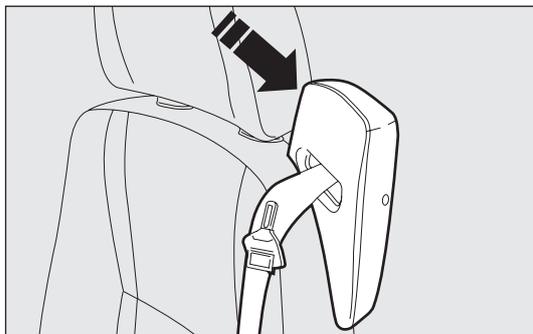


fig. 26

FON0173m

Backrest angle adjustment fig. 27

Adjust lever A.

Height adjustment fig. 27

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

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 the driving position or at 180°.

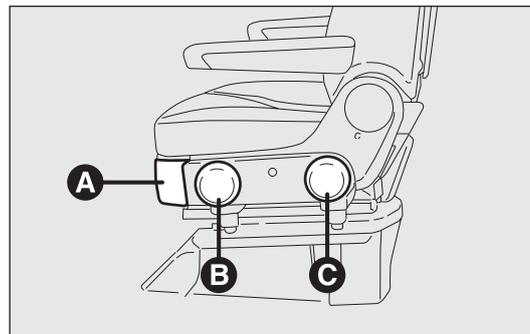


fig. 27

FON0174m

Use the lever D-fig. 28 (on the right side of the seat) to turn the seat.

Before turning, move the seat forward and only then adjust the reach fig. 25.



WARNING

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

Seat heating fig. 29

(for versions/markets where available)

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

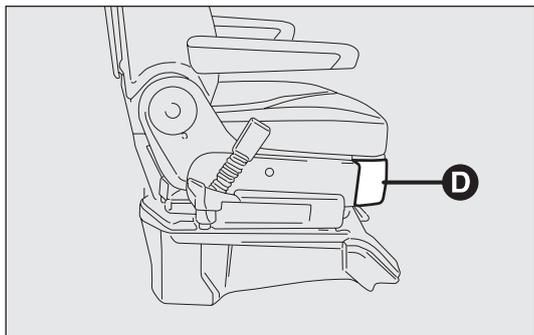


fig. 28

F0N0175m

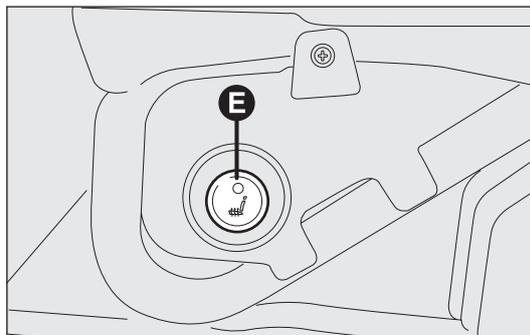


fig. 29

F0N0213m

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FLAP ON BENCH fig. 30

(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 and lower the flap. The flap is equipped with two cup holders and a support surface with a paper holder clip.



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.

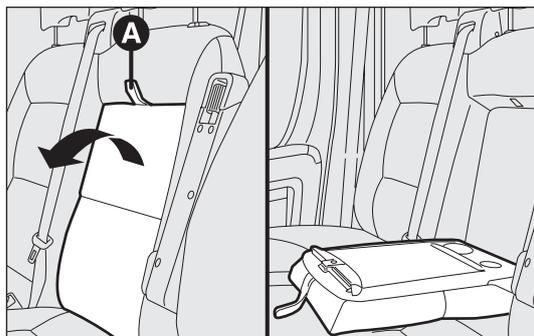


fig. 30

F0N0149m

COMPARTMENT UNDER THE SEAT

(for versions/markets where provided)

A compartment A-fig. 31 is present under the seat that can be easily removed by withdrawing the hooks on the support base.

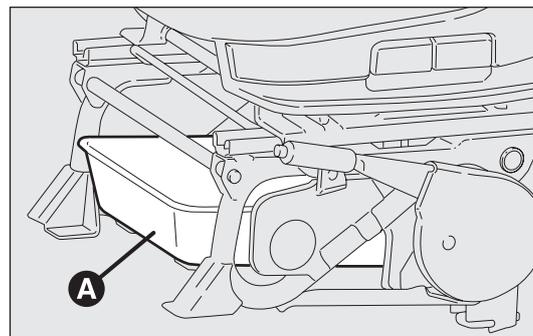


fig. 31

F0N0237m

SEAT BASE PLASTIC COVERS fig. 32

(for versions/markets where provided)

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

This gives access to the under-seat compartment (see “under-seat compartment” 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.

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.

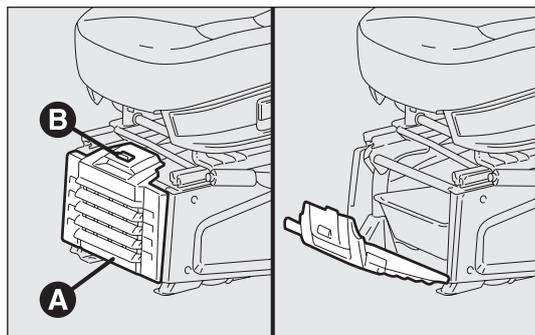


fig. 32

F0N0238m

PANORAMA VERSIONS

Adjusting the passenger seat tilting backrest fig. 33

Turn the knob A.

Access to seats in second row fig. 33

To gain access to the second row of seats, operate the lever B for the right outer side seat in the first row and tilt 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.

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

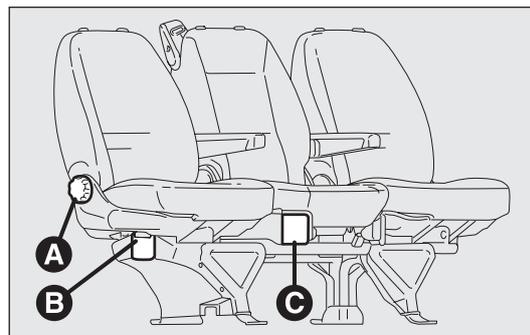


fig. 33

F0N0227m

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Tilting middle seat backrest (2nd – 3rd row) fig. 33

Lift the lever C 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 lever to reposition the backrest.

To lower 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

Lift lever A-fig. 34 and tilt the backrest forwards.

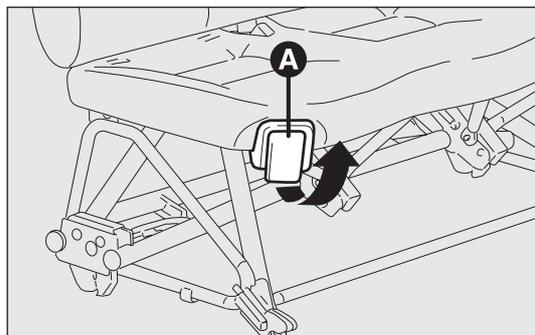


fig. 34

FON0228m

Stacked position

Proceed as follows:

- remove the head restraints from the easy entry position;
- raise the lever B-fig. 35 (located beneath the lever A-fig. 34) with your right hand;
- turn the backrest 5° to the rear;
- fold the backrest forward with your left hand.

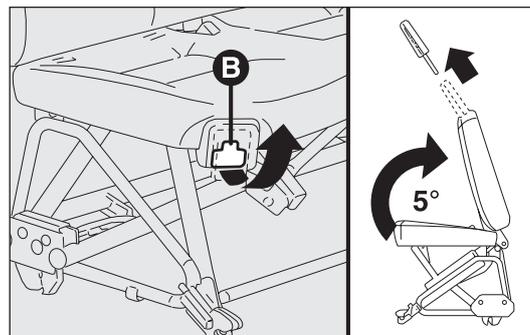


fig. 35

FON0229m



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 must be present to remove the bench.



WARNING

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

Proceed as follows to remove the bench:

- from the stacked position, operate levers C and D-fig. 36 , turning them forward (as specified on the adhesive plate located on the lower crossmember);
- lift seat base forward;
- bring the seat to an upright position;
- from the upright position, operate the levers E and F-fig. 37, turning them upward;
- raise the bench from the floor and remove it.

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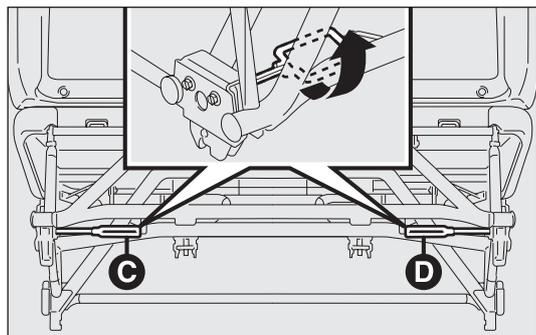


fig. 36

F0N0230m

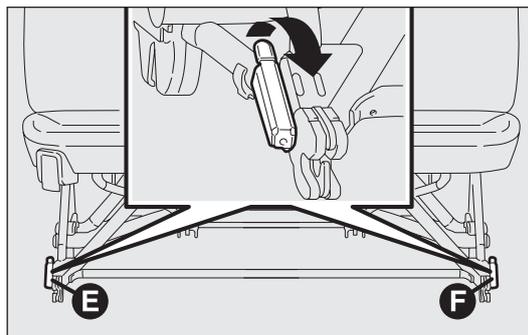


fig. 37

F0N0231m

HEAD RESTRAINTS

FRONT HEAD RESTRAINTS fig. 38

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

Adjustment

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

To extract the front head restraints press the buttons A and B on both sides simultaneously and release them upwards.

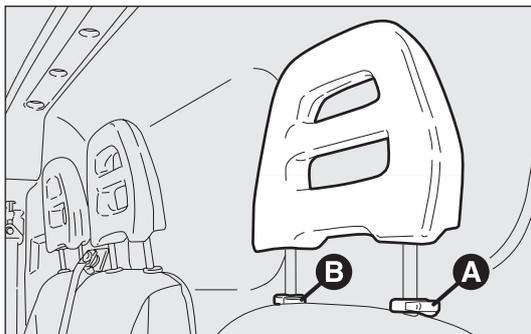


fig. 38

F0N0020m



WARNING

Head restraints must be adjusted so that the head, rather than the neck, rests on them. Only in this case they can protect your head correctly.

To make the best use of the head restraint's protective action, adjust the backrest so that your torso is upright and keep your head as close as possible to the head restraint.

STEERING WHEEL

The steering wheel position can be adjusted axially.

To carry out the adjustment, proceed as follows:

- release lever fig. 39 by pulling it towards the steering wheel (position 2);
- adjust the steering wheel;
- lock the lever by pushing it forwards (position 1).

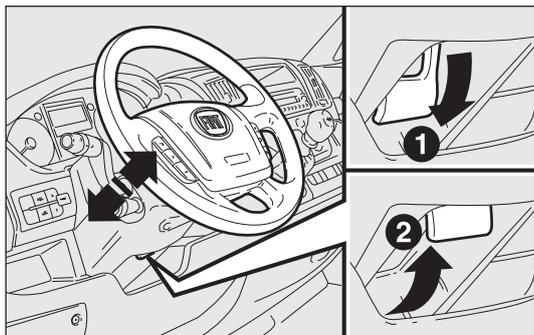


fig. 39

F0N0321m



WARNING

The adjustments should only be carried out with the vehicle stationary and the engine turned off.



WARNING

It is absolutely forbidden to carry out any after-sales operations involving steering system or steering column modifications (e.g. installing an anti-theft device). This could affect performance and safety, invalidate the warranty and also result in the vehicle failing to comply with regulations.

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REAR VIEW MIRRORS

REAR-VIEW MIRROR fig. 40

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

Lever A 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 adjust each of the two glasses of each mirror.

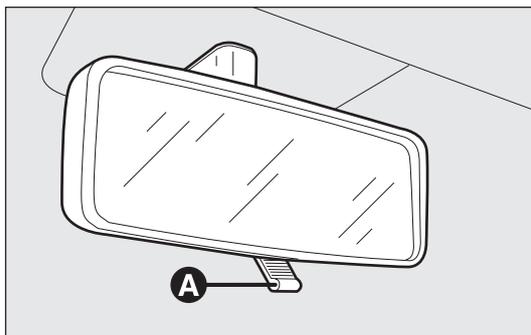


fig. 40

F0N0022m



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.

Electrically adjustable mirrors fig. 41

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

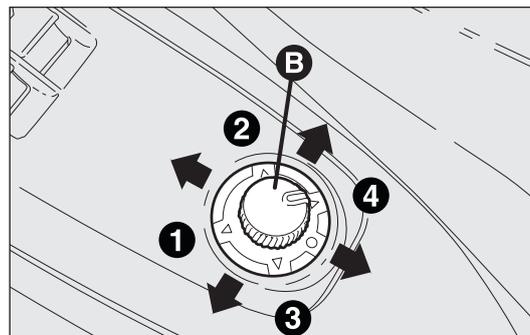


fig. 41

F0N0024m

To adjust the mirror, place the knob B in one of the four positions: ► 1 left mirror, ◀ 2 right mirror ► 3 left wide angle, ◀ 4 right wide angle.

After rotating the 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. 42

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.

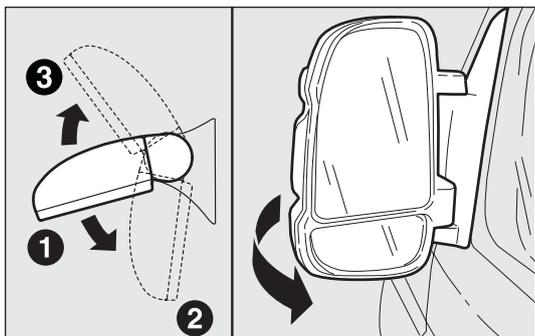


fig. 42

F0N0023m



WARNING

When driving the mirrors should always remain in position 1.

Mirror folding with electrical adjustment fig. 42-43

(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. 42 to position 2.

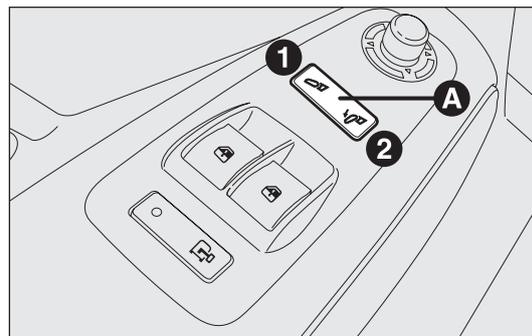


fig. 43

F0N0159m

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Electric folding

To fold the mirrors electrically, press point 2 of the rocker button A-fig. 43. To bring the mirrors back to the open position, press point 1 of the button.

SAFETY

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.

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Manual folding

To fold the mirrors manually, move them from position 1-fig. 42 to position 2. If the mirrors are folded manually, they can be returned to the open position both manually and electrically.

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IMPORTANT To bring the mirrors electrically to the opening position, press point 2 of the rocker button A-fig. 43 until an engagement “click” is heard, then press again point 1 of the button again.

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Folding forwards

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The mirrors can be manually folded forwards (position 3-fig. 42) or brought to the opening position 2 again manually if they have been accidentally rotated forwards (for example due to an impact).

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

INDEX

To bring the mirrors to the opening position electrically, press point 2 of the rocker button A-fig. 43 until an engagement “click” is heard, then press point 1 of the button.

IMPORTANT If the mirrors have been manually folded by mistake to position 3 – fig. 42, 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. 43 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 resistors that are activated when the heated rear windscreen is turned on (by pressing button )

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

HEATING AND VENTILATION SYSTEM

FON0322m

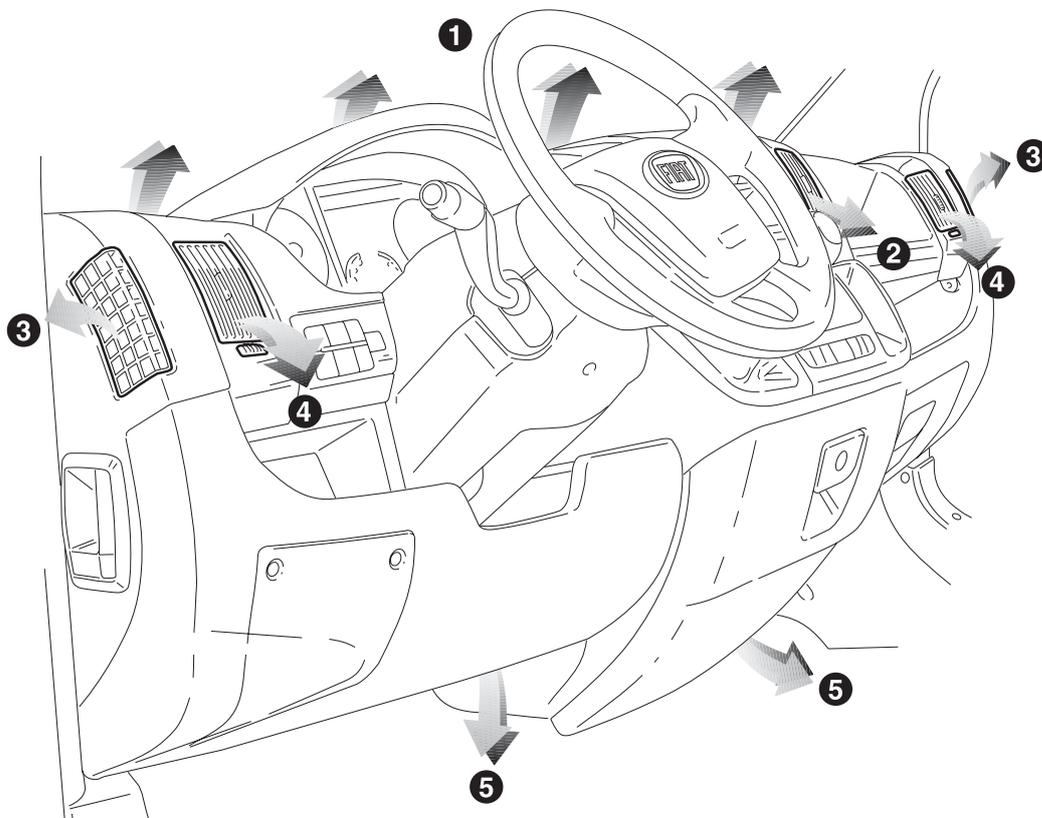


fig. 44

1. Upper fixed vent – 2. Adjustable centre vents – 3. Fixed side vent – 4. Adjustable side vents – 5. Lower vents for front seats.

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ADJUSTABLE SIDE AND CENTRE VENTS

fig. 45-46

- A Fixed vents for side windows.
- B Adjustable side vents.
- C Fixed vents.

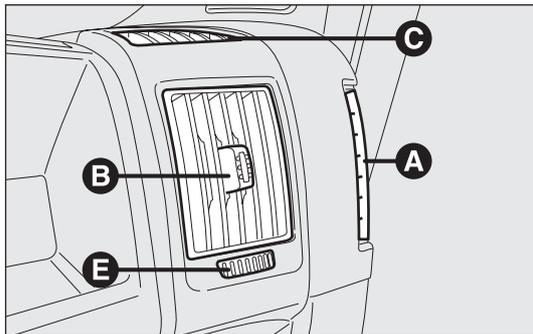


fig. 45

F0N0026m

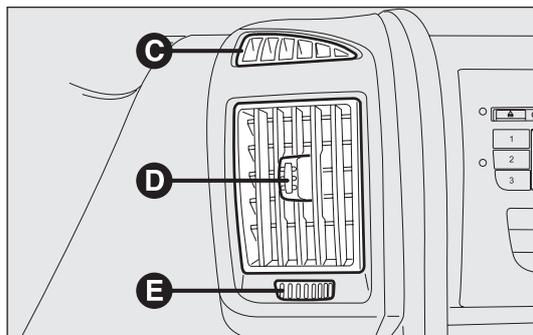


fig. 46

F0N0027m

- D Adjustable centre vents.
- E Air flow adjustment control.

The vents A and C cannot be adjusted.

CONTROLS fig. 47

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

Red section = hot air

Blue section = cold air

Knob B activates/adjusts the fan

☼ 0 = fan off

1-2-3 = fan speed

4 🌀 = maximum fan speed

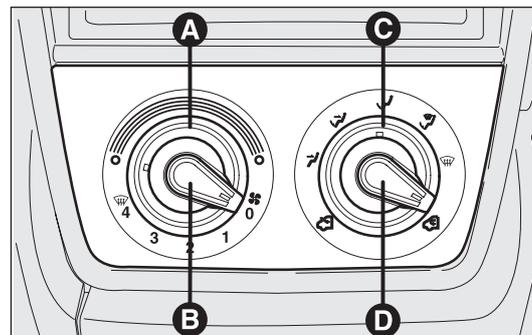


fig. 47

F0N0514m

Air distribution ring nut C

-  to direct air to the centre and side vents;
-  to send air to the feet and direct 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, at the same time, demist the windscreen;
-  for quick windscreen demisting.

Air recirculation on/off knob D

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

When the 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;
- switch off the air recirculation by turning the knob D to ;
- turn the ring nut C to ;
- turn the knob B to the 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 the knob B to the 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;
- switch on the air recirculation by turning the knob D to ;
- turn the ring nut C to ;
- turn the 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 cold engine, you have to wait for a few minutes to let the system fluid reach the operating temperature.

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

Proceed as follows:

- turn the ring nut A to the red section;
- switch off the air recirculation by turning the knob D to ;
- turn the ring nut C to ;
- turn the knob B to 4  (max. fan speed).

IMPORTANT To ensure fast demisting/defrosting, if a supplementary heater is present (under the front or rear seat for Panorama and Combi versions), if on, turn off using button F (LED off) located on the control panel fig. 48.

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

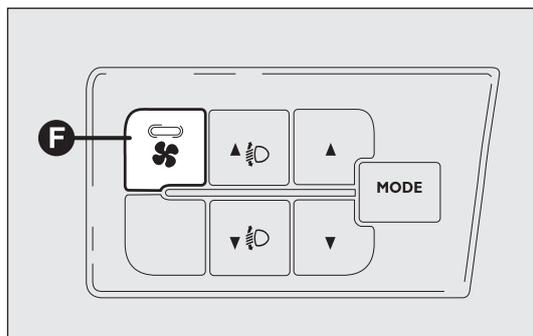


fig. 48

FON0500m

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;
- switch off the air recirculation by turning the knob D to ;
- turn the ring nut C to  or to  if the windows do not demist;
- turn the knob B to the 2nd speed.

HEATED REAR WINDSCREEN AND DOOR MIRRORS DEMISTING/DEFROSTING fig. 49 (for versions/markets where provided)

Press the button A to activate this function; when this function is on the warning light in the button comes on.

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

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

INTERNAL AIR RECIRCULATION ACTIVATION

Turn the knob D-fig. 47 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 The inside air recirculation system makes it possible to reach the required heating or cooling conditions faster.

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

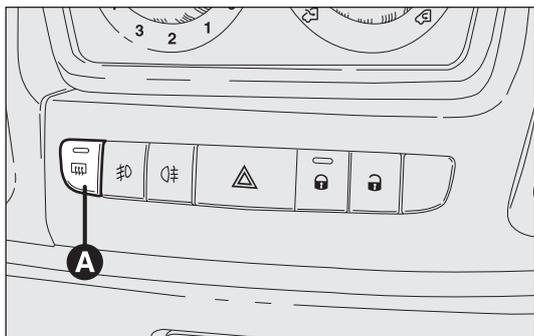


fig. 49

FON0043m

MANUAL CLIMATE CONTROL SYSTEM

(for versions/markets where provided)

CONTROLS fig. 50

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

Red section = hot air

Blue section = cold air

Knob B activates/adjusts the fan

☼ 0 = fan off

1-2-3 = fan speed

4  = maximum fan speed

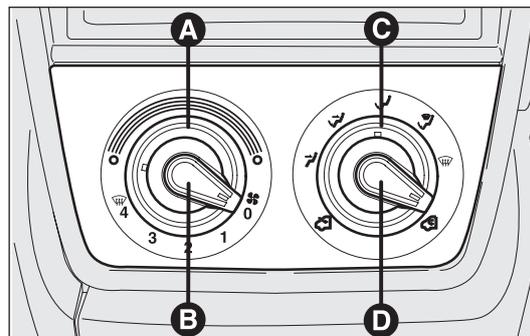


fig. 50

FON0514m

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Air distribution ring nut C

-  to direct air to the centre and side vents;
-  to send air to the feet and direct 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, at the same time, demist the windscreen;
-  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;
- switch off the air recirculation by turning the knob D to ;
- turn the ring nut C to ;
- turn the knob B to the 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;
- switch on the air recirculation by turning the knob D to ;
- turn the ring nut C to ;
- press the button E to turn the climate control system on; the LED in the button E will come on;
- turn the ring nut B to 4  (max. fan speed).

Cooling adjustment

- Turn the ring nut A to the right to increase the temperature;
- switch off the air recirculation by turning the knob D to ;
- turn the ring nut B to reduce the 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 symbol;
- turn the knob B to the required speed.

FAST PASSENGER COMPARTMENT HEATING

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

- turn the ring nut A to the red section;
- turn the air recirculation on by turning the knob D to .

- turn the ring nut C to .
- turn the 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 internal air recirculation off (button LED off).

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

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

Proceed as follows:

- turn the ring nut A to the red section;
- turn the knob B to 4  (max. fan speed).
- turn the ring nut C to .
- switch off the air recirculation by turning the knob D to .

IMPORTANT to ensure fast demisting/defrosting, if an additional heater/air conditioner is present (under the front or rear seat on Panorama and Combi versions), if it is activated, turn it off using the button F (LED off) located on the control panel fig. 51.

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

IMPORTANT The climate control system is very useful for speeding up the demisting because it dehumidifies the air. Adjust the controls as described above and press the button E to switch the climate control system on; the LED in the button will light up.

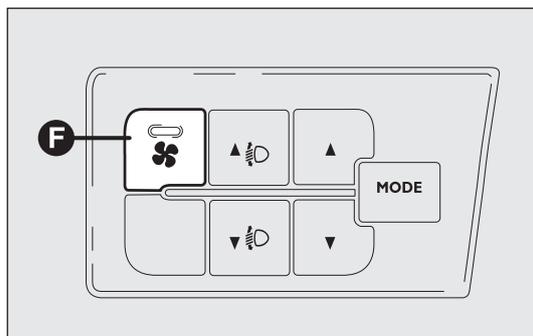


fig. 51

F0N0500m

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;
- switch off the air recirculation by turning the knob D to ;
- turn the ring nut C to  or to  if the windows do not demist;
- turn the knob B to the 2nd speed.

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

HEATED REAR WINDSCREEN AND DOOR MIRRORS DEMISTING/DEFROSTING fig. 52 (for versions/markets where provided)

Press the button A to activate this function; when this function is on the warning light in the button comes on.

This function is timed and will turn off automatically after 20 minutes. Press the 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 that might cause it to stop working properly.

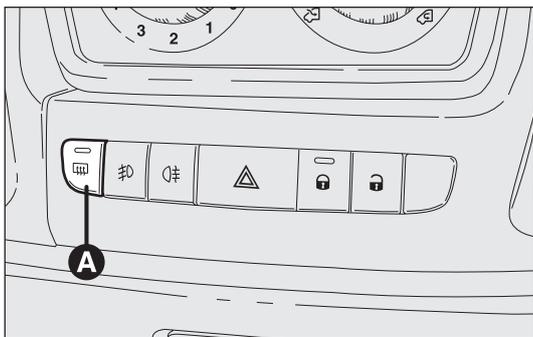


fig. 52

F0N0043m

INTERNAL AIR RECIRCULATION ACTIVATION

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

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

SYSTEM SERVICING

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



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

AUTOMATIC CLIMATE CONTROL SYSTEM

(for versions/markets, where provided)

SAFETY

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 air flow variation);
- compressor activation (to cool/dehumidify the air);
- air recirculation.

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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 up). 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 expect 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 intake air temperature is always automatically controlled according to the temperature set on the display (except for when the system is off or in certain conditions when the compressor is not running).

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 of the system;

CONTROLS fig. 53

- A AUTO button for automatic control of all functions.
- B Air distribution selection button.
- C Display.
- D MAX DEF function control button.

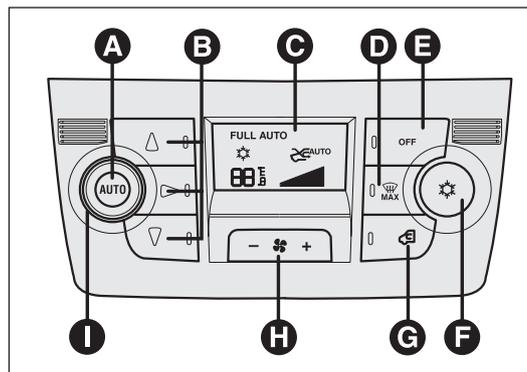


fig. 53

FON0831m

- 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.

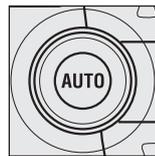
USING THE CLIMATE CONTROL SYSTEM

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 introduced 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 it always on or off;
-  to speed up demisting/defrosting of the front windows, rear window and door mirrors.

During fully automatic system operation, you can change the set temperature, 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 introduced into the passenger compartment cannot be lower than that of the outside air.

CONTROLS



Air temperature adjustment knob air (I)

Turn the knob either clockwise or anticlockwise 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.

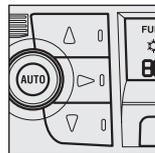
To switch the function off, simply turn the temperature knob anticlockwise and set the required temperature.

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 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 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)

Press these buttons to manually set one of the seven air distribution settings:

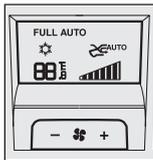
- ▲ Air flow to the windscreen and front side window vents to demist or defrost the windows.
- ▶ Air flow to the central and side dashboard vents to ventilate the chest and the face in hot weather.
- ▼ Air flow to the front and rear footwell vents. Thanks to the natural tendency of hot air to rise, this distribution pattern allows the passenger compartment to warm up as quickly as possible, providing an immediate feeling of warmth.
- ▶ Air flow distribution split 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 distribution split between the footwell vents and the windscreen and front side windows 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. This distribution makes it possible to maintain good levels of comfort and keep the passenger compartment sufficiently cool (useful in the summer).

▲ Air flow distribution split between the windscreen and front side windows defrosting/demisting vents, the central and side dashboard vents and the footwell 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 on the selected buttons coming on.

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



Speed adjustment buttons fan (H)

Press the ends of button H to increase or to decrease the fan speed and therefore the amount of air introduced into the passenger compartment, whilst keeping the required temperature set.

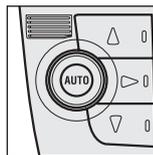
The fan speed is shown by the bars lit up on the display:

- Max. fan speed = all bars lit;
- Min. fan speed = one bar lit.

The fan can be disabled only if the climate control compressor has been switched off by pressing button F-fig. 53.

IMPORTANT To restore automatic fan speed control 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)

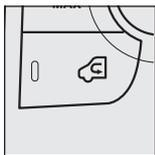
When the AUTO button is pressed the system automatically regulates the quantity and the distribution of the air introduced into the passenger compartment cancelling all the previous manual adjustments.

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 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 intervention) no longer be able to guarantee the target temperature for the passenger compartment, the set temperature value will start flashing to indicate the difficulties the system is experiencing and then the word **AUTO** will go out.

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 works according to the following operating logics:

- override on (air recirculation always on), indicated by the LED on the button **G** coming on and the symbol  on the display;
- override off (air recirculation always off and introduction of outside air), indicated by the LED on the button going off and the symbol  appearing on the display.

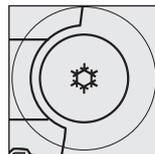
These operating conditions are obtained by pressing air recirculation button **G** in sequence.

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

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

To prevent steaming up, the recirculation is forced off (i.e. air is introduced from the outside) when the outside temperature is cold.

It is advisable not to use the air recirculation function when the outside temperature is low to prevent the windows from rapidly misting up.



Climate control compressor on/off button (F)

Pressing the  button switches the climate control compressor off, if it was on previously and the logo in the display goes out.

Press the button when the LED is off to restore automatic system control of compressor activation. The icon will light up on the display.

The system will switch recirculation off when the compressor is switched off to prevent misting up. Although the system is capable of maintaining the required temperature, the word **FULL** will disappear from the display. If the system is no longer able to maintain the temperature, the figures will flash and the word **AUTO** will go out.

IMPORTANT With the compressor off, it is not possible to introduce air into the passenger compartment at a temperature lower than that of the outside air. In certain weather conditions, the windows could mist up rapidly due to the non-dehumidified air.

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

To restore automatic compressor activation control, press the ☼ button again (in this case, the system will work only 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 to the minimum setting (only one bar shown).



Button for rapid window demisting/defrosting (D)

When this button is pressed, the climate control automatically activates all the functions necessary to speed up the demisting/defrosting of the windscreen and the side windows:

- turns on the climate control compressor when weather conditions are suitable;
- air recirculation switching-off;
- sets the maximum temperature for the HI air in both zones;
- sets the fan speed set according to the engine coolant temperature to limit the flow of air that is insufficiently warm to demist the windows;
- directs the air flow to the windscreen and front side windows vents;
- switches on the heated rear window.

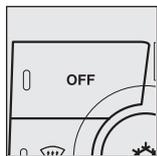
IMPORTANT The rapid demisting/defrosting function for the windows remains on for about 3 minutes from when the engine coolant reaches the appropriate temperature for a rapid demisting of the windows.

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 off the heated rear windscreen manually when this function is active.

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

IMPORTANT To ensure rapid demisting/defrosting, if there is an additional heater/air conditioner (under the front or rear seat on Panorama and Combi versions), if activated, deactivate it by pressing button F (LED off) located on the control panel fig. 54.



Switching off the system OFF (E)

The climate control system is switched off by pressing button E and the display switches off as a result.

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

- display off;
- set temperature not shown;
- air recirculation on, passenger compartment isolated from the outside (recirculation LED on);
- air conditioner 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. 54.

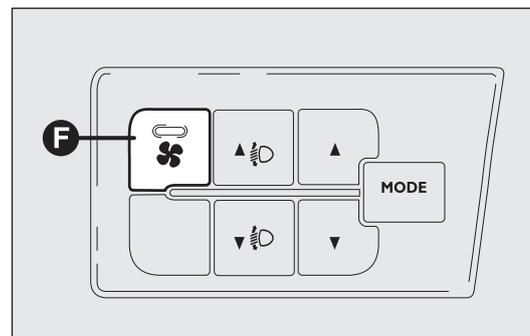


fig. 54

F0N0500m

SUPPLEMENTARY HEATER INDEPENDENT

(for markets/versions, 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 vehicle passenger compartment with the engine off;
- defrosting the windows;
- heating the engine coolant and consequently the engine itself prior to starting.

The system consists of:

- a diesel burner to heat the water with an exhaust silencer for the combustion gases;
- a metering pump connected to the vehicle tank pipes, to supply the burner;
- a heat exchanger connected to the engine cooling system pipes;
- a control unit connected to the passenger compartment heating/ventilation system to allow automatic operation;
- an electronic control unit for control and operation of the burner in the heater;
- a digital timer A-fig. 55 for turning the heater on manually or programming the time it comes on.

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(In winter) the additional heater provides heat, maintains the temperature and circulates the engine coolant for the preset time in order to ensure the optimum temperature conditions of the engine and the passenger compartment when the engine is started 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.

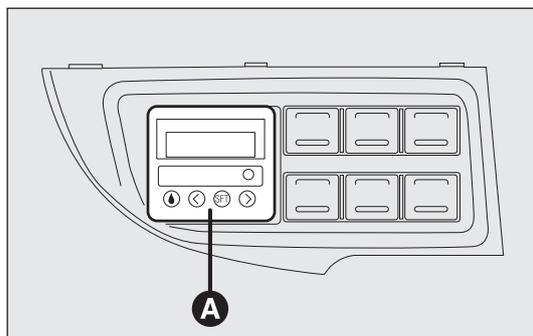


fig. 55

F0N0150m

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

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

Digital timer fig. 56

- 1) Heating cycle warning light
- 2) Display lighting
- 3) Clock preselection recall number
- 4) Clock button
- 5) Hour forward adjustment button
- 6) Program selection button
- 7) Hour back adjustment button
- 8) Activation button for immediate heating
- 9) Time adjustment/reading warning light

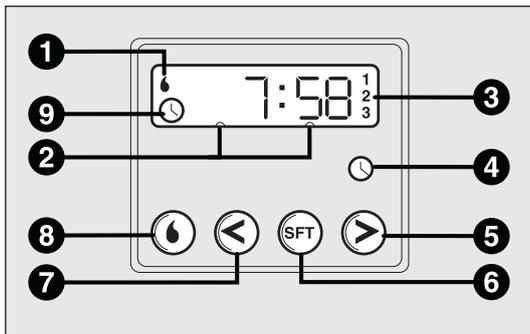


fig. 56

F0N0151m

Immediate activation of heating fig. 57

To switch the system on manually, press the button 8 of the timer: the display and warning light 1 will light up and remain on the entire time 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 the warning light 9-fig. 58 will come on.
- Within 10 seconds, press buttons 5 or 7 until the correct time is selected.

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

Continuing to press the buttons 5 or 7 will move the digits on the clock forwards or backwards faster.

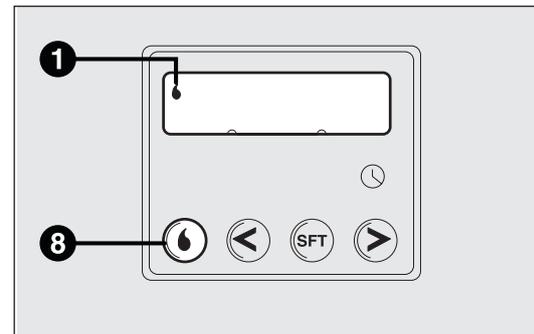


fig. 57

F0N0152m

Reading the current time fig. 58

To read the current time, press the 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 activation time fig. 59

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

To program the activation time:

- press the 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.

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 Confirmation that the time has been stored is given by:

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

IMPORTANT When the boiler turns on:

- the flame warning light 1 lights up in the display;
- the preselection number 3 goes out.

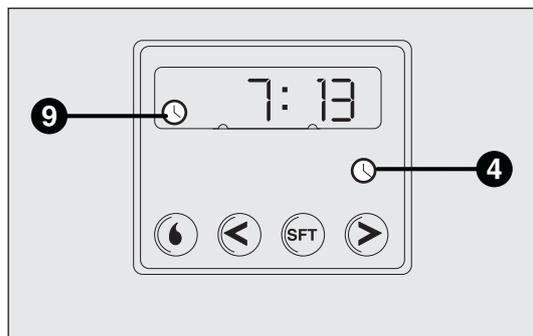


fig. 58

F0N0153m

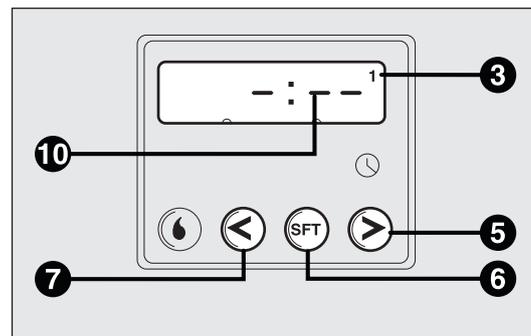


fig. 59

F0N0154m

Deactivation of the programmed activation time fig. 59

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.

Recall of one of the programmed activation times fig. 60

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 preselected activation time can be changed or deleted by following the above instructions.

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 activation time (60 minutes with lighting of the red display);
- manual** pressing the “immediate heating” button on the timer again (flame button I).

In both cases the heating warning light and the display lighting go out and the passenger compartment heater unit fan and the combustion stop.

The fluid circulation pump continues to work for around two minutes to dissipate as much heat as possible from the heater; 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 When parked the heater switches off when the battery voltage is low to allow the engine to be started up.

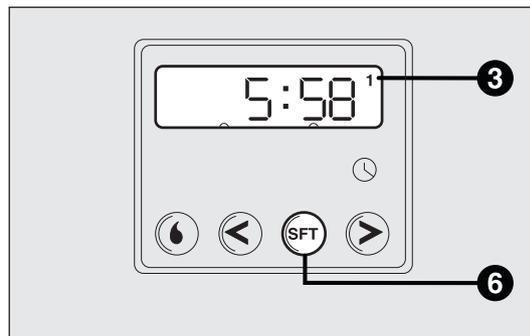


fig. 60

F0N0155m

IMPORTANT Before switching the device on, check that the fuel level is higher than the reserve level. 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 stove 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 in the “Engine coolant system fluid” paragraph. The water in the heating circuit must contain a minimum percentage of 10% antifreeze.
- For maintenance and repairs, only contact Fiat Dealerships and only use genuine spare 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 have a main heating system plus an additional one (on request) with the controls in the roof lining above the second row of seats, fig. 61.

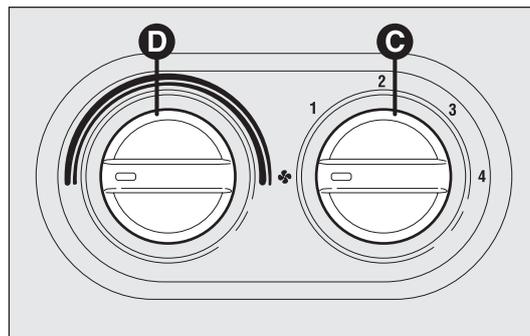


fig. 61

F0N0233m

Operation must be enabled using the button F-fig. 62 in the control panel.

- Turn the knob D to the maximum cold position (ring nut at blue sector) and air at ambient temperature will come out of the rear footwell vents (located under the seats in the 2nd-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 (ring nut at red sector) and warm air will emerge (with the engine warmed up), from the rear footwell outlets (located under the seats in the 2nd-3rd row for Panorama versions and the grille on the left wheel arch side for Combi versions).

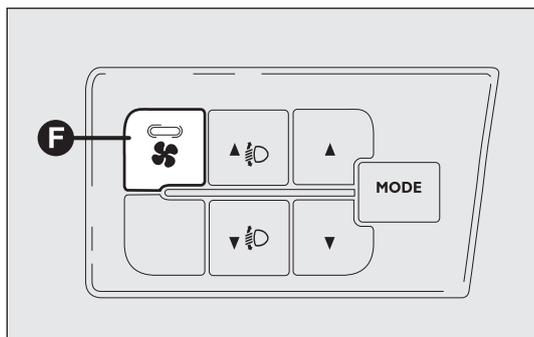


fig. 62

FON0500m

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 in the roof lining above the second row of seats, fig. 61.

Button F-fig. 62 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 (ring nut in blue sector) cold air comes out of the vents in the ceiling.
- Turn the knob D to the maximum heating position (ring nut at red sector) and warm air will emerge (with the engine warmed up), from the rear footwell outlets (located under the seats in the 2nd-3rd row for Panorama versions and the grille on the left wheel arch side for Combi versions).
- When the knob D is in an intermediate position, air will be distributed between the vents in the roof and the rear footwell outlets to alter 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 exterior lights.

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

LIGHTS OFF fig. 63

Ring nut turned to position **O**.

DAYTIME RUNNING LIGHTS (DRL) fig. 63 (for versions/markets where provided)

With the ignition key turned to MAR and the twist switch turned to position **O** 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 “Digital/multifunction display” in this section). If the daytime running lights are deactivated, no light comes on when the twist switch is turned to **O**.

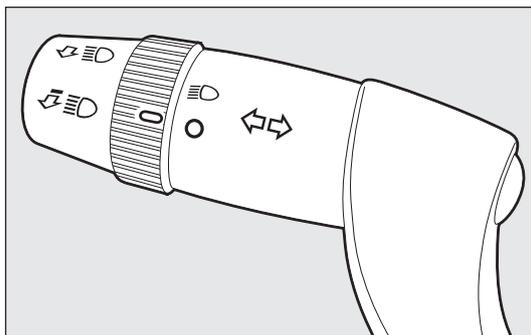


fig. 63

FON0501m



WARNING

The daytime running lights are an alternative to the dipped headlamps 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 headlamps 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. Keep to the rules.

DIPPED HEADLAMPS/SIDE LIGHTS fig. 64

With the ignition key turned to MAR, turn the twist switch to **⊖**. If dipped headlamps are activated, the daytime lights go out and the side lights and dipped headlamps come on. The warning light $\Rightarrow \text{O} \Leftarrow$ in the instrument panel comes on. When the ignition key is turned to STOP or removed and the twist switch is turned from **O** to **⊖**, all the side lights and number plate lights come on. The warning light $\Rightarrow \text{O} \Leftarrow$ in the instrument panel comes on.

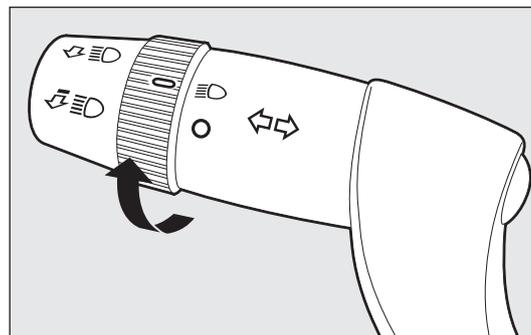


fig. 64

FON0502m

MAIN BEAM HEADLIGHTS fig. 65

When the ring nut is in position  pull the lever towards the steering wheel (2nd unstable position).

The warning light  on the instrument panel will come on.

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

FLASHING fig. 66

Pull the lever towards the steering wheel (1st unstable position) regardless of the position of the ring nut. The warning light  on the instrument panel will come on.

PARKING LIGHTS

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

The warning light  in the instrument panel comes on.

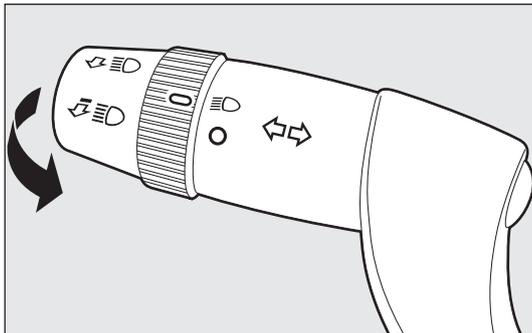


fig. 65

FON0503m

DIRECTION INDICATORS fig. 67

Place the lever in the (stable) position:

- up (position 1): activation of right direction indicator;
- down (position 2): activation of left direction indicator.

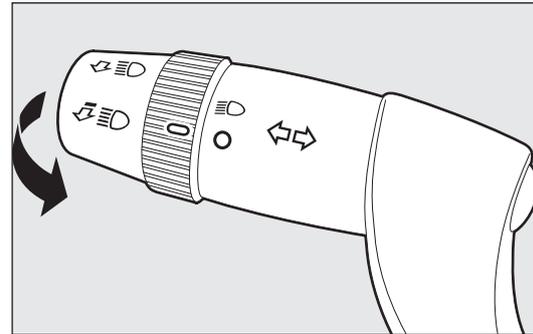


fig. 66

FON0504m

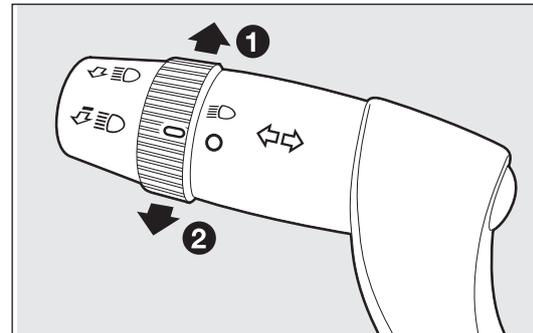


fig. 67

FON00505m

Warning light  or  start flashing in the instrument panel.

Direction indicators are switched off automatically when the steering wheel of the vehicle is straightened.

Lane change function

If you wish to signal a lane change, place the left lever 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.

“FOLLOW ME HOME” DEVICE

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

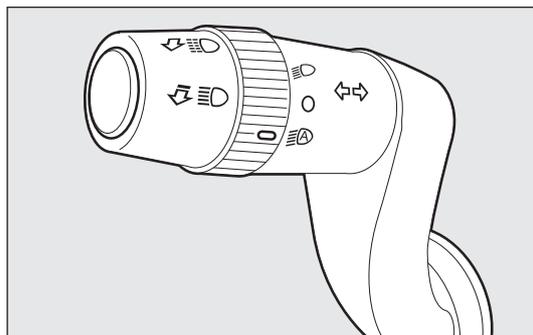


fig. 68

F0N0506m

Activation fig. 68

With the ignition key in the OFF position or extracted, pull the lever towards the steering wheel and operate the lever within 2 minutes of switching the engine off.

Each time the lever is operated the lights will stay on another 30 seconds, up to a maximum of 210 seconds; when this time has elapsed, the lights will go out automatically.

The warning light  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. The warning light comes on when the lever is operated and stays on until the function is automatically deactivated. Each movement of the lever only increases the amount of time the lights stay on.

Deactivation

Keep the lever 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 exterior lights being turned on. The sensitivity of the dusk sensor is adjusted by means of the “Setup menu” for the display.

Activation fig. 69

Turn the ring nut to position : this turns the side lights and the dipped headlights on 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 cannot detect the presence of fog: switch the lights on manually in this case.

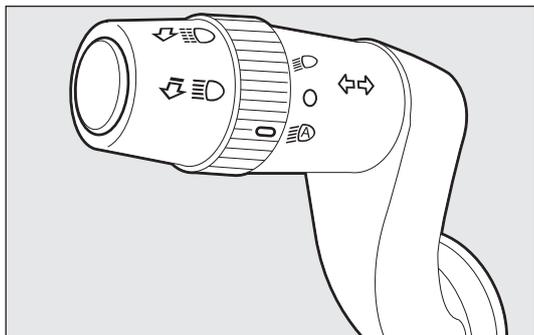


fig. 69

FON0507m

WINDOW WASHING

WINDSCREEN WASHER/WIPER

The device can operate only when the ignition key is in the MAR-ON position. There are five different positions for the right lever fig. 70:

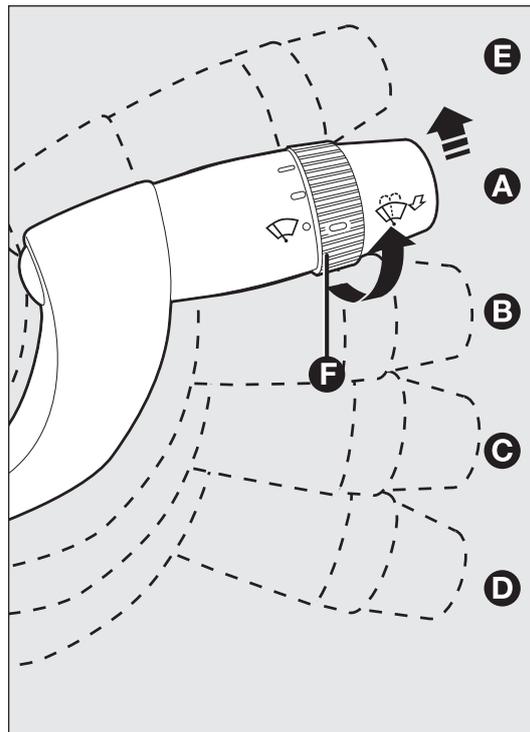


fig. 70

FON0038m

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A: windscreen wipers off;

B: intermittent operation.

With the lever in position B, turn ring nut 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 in 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 motor protection which prevents operation for a few seconds may trip. If the operation is not restored, contact a Fiat Dealership.

“Smart washing” function

Pull the lever towards the steering wheel (unstable position) to operate the windscreen washer jet, fig. 71.

Keeping the lever 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 wipers stop operating four strokes after releasing the lever.

A stroke 5 seconds later completes the wiping operation.

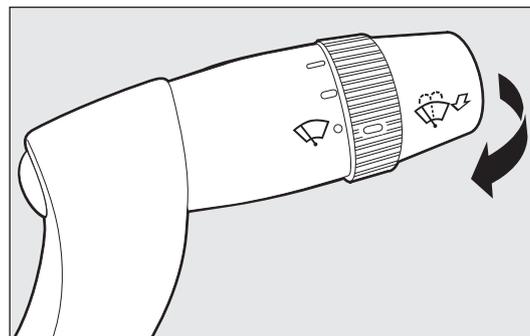


fig. 71

F0N0039m

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. 70

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 control F to increase the rain sensor sensitivity.

The increasing of the rain sensor sensitivity is signalled by a “stroke” to show that the command has been acquired.

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. 70

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)

The headlight washers are “retractable”, i.e.: they are located inside the front bumper and they are activated when (with dipped beams on) the windscreen washer is operated.

IMPORTANT Check the correct operation and cleanliness of the jets 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 country roads with traffic.

Do not use it in town.

DEVICE ACTIVATION fig. 72

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.

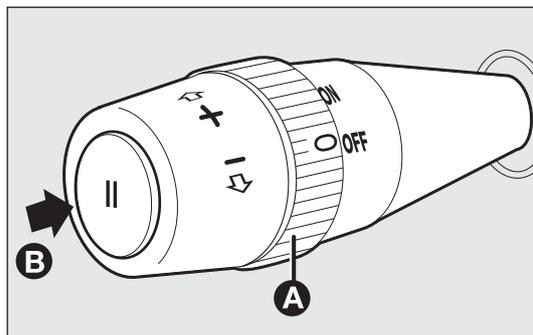


fig. 72

F0N0508m

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

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 to ON and press the accelerator pedal so that the vehicle reaches the desired speed;
- move the lever upwards (+) for at least one second, then release it. The car speed is memorised and it is therefore possible to 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 MEMORISED SPEED

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

- accelerate gradually until reaching a speed approaching the memorised speed;
- engage the gear selected at the time of speed memorising;
- press the button B-fig. 72.

INCREASING THE MEMORISED SPEED

This can be done in two ways:

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

or

- by moving the lever upwards (+).

Each operation of the lever will correspond to a slight increase in speed of about 1 km/h, while keeping the lever upwards will correspond to a continuous speed increase.

REDUCING THE MEMORISED SPEED

This can be done in two ways:

- by turning the device off and then storing a new speed;

or

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

Each movement of the lever will correspond to a slight reduction in speed of about 1 km/h, while keeping the lever held downwards will correspond to a continuous speed reduction.

SWITCHING THE DEVICE OFF

The device can be switched off by the driver in the following ways:

- turning the ring nut A to the OFF position;
- turning the engine off;
- pressing the brake pedal or operating the handbrake;
- pressing the clutch pedal;
- requesting a gear change with an automatic gearbox in sequential mode;
- with vehicle speed below the set limit;
- by pressing the accelerator pedal; in this case the system is not really switched off but the request for acceleration takes priority over the system. The cruise control is, however, active and it will not be necessary to press the RES button to restore the previous conditions after the acceleration is over.

The device is automatically switched off in the following cases:

- if the ABS or ESP systems cut in;
- if there is a system failure.



WARNING

While travelling with the device engaged, do not place the gear lever in neutral.



WARNING

In case of malfunctioning or if the device is faulty, turn the ring nut A to OFF and contact a Fiat Dealership, after checking that the protective fuse has not blown.

CEILING LIGHTS

FRONT CEILING COURTESY LIGHT WITH SPOT LIGHTS

Switch A-fig. 73 is used to switch the ceiling courtesy 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.

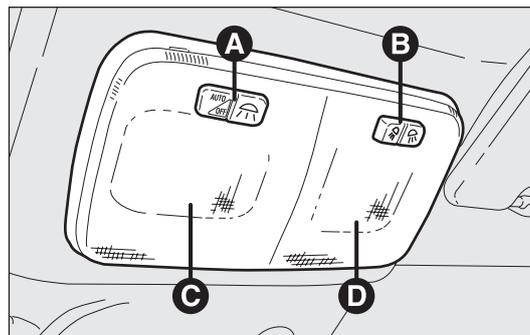


fig. 73

F0N0041m

IMPORTANT Before getting out of the car, make sure both switches are in the middle position; when the doors are closed, the lights switch off preventing the battery from being run down.

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

Courtesy light timing

On some versions, to facilitate getting in/out of the vehicle at night or with poor lighting, 2 different timed switching on modes are available.

TIMED OPERATION FOR GETTING INTO THE VEHICLE

The courtesy lights switch on according to the following modes:

- for about 10 seconds when unlocking the front doors;
- for about 3 minutes when opening one of the side doors;
- for about 10 seconds when closing the doors.

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

TIMED OPERATION FOR GETTING OUT OF THE VEHICLE

After removing the key from the ignition, the courtesy lights switch on according to the following modes:

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

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

The timed delay period ends automatically when the doors are locked.

LOAD COMPARTMENT REAR COURTESY LIGHT fig. 74

This is located above the rear door. Press the cover at the point shown in the figure to turn it on.

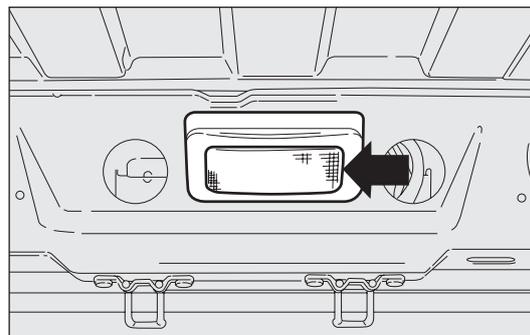


fig. 74

F0N0042m

LOAD COMPARTMENT SIDE COURTESY LIGHT fig. 75

(for versions/markets where provided)

Press the cover at the point shown in the figure to turn it on.

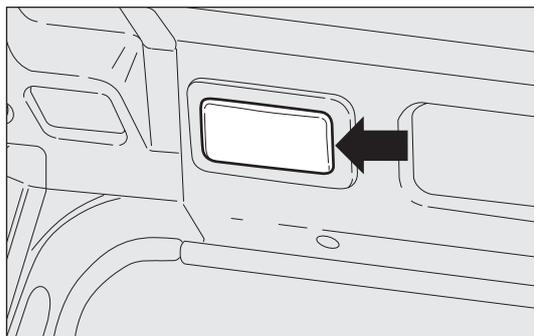


fig. 75

F0N0219m

REMOVABLE COURTESY LIGHT fig. 76

(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, the electric torch battery is automatically recharged. The courtesy light is recharged with the vehicle stationary and the ignition key either in the STOP position (OFF) or extracted for a limit of 15 minutes.

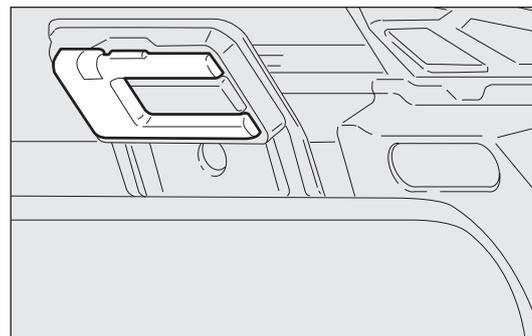


fig. 76

F0N0220m

CONTROLS

HAZARD WARNING LIGHTS fig. 77

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

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

Press the switch again to turn the lights off.

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

Emergency braking

During emergency braking, the hazard warning lights come on automatically and warning lights  and  in the panel come on at the same time.

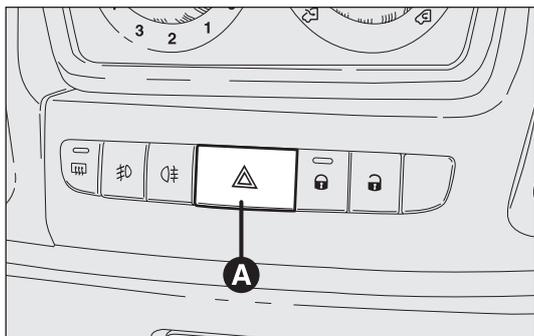


fig. 77

F0N0044m

The function switches off automatically when emergency braking ceases.

This function complies with the relevant legislations currently in force.

FOG LIGHTS fig. 78

(for versions/markets where provided)

To turn the front fog lights on, press the button  with the side lights on.

The warning light  in the instrument panel will come 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.

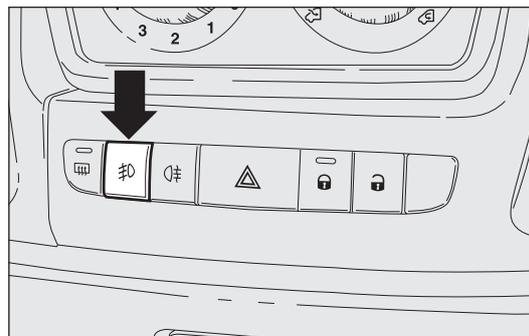


fig. 78

F0N0045m

REAR FOG LAMPS fig. 79

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 . The warning light  in the instrument panel will come 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.

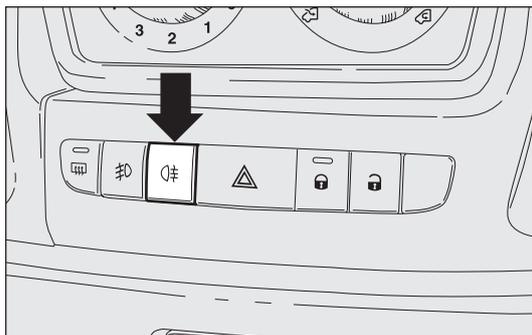


fig. 79

F0N0046m

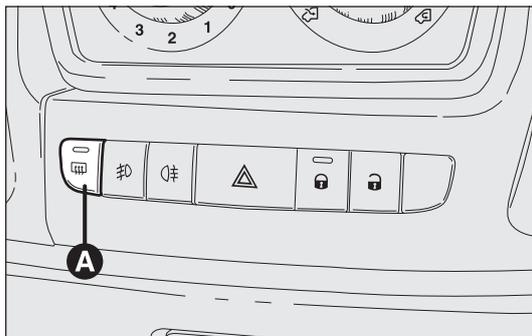


fig. 80

F0N0043m

PARKING LIGHTS

These lights can only be turned on with ignition key in the STOP position or removed, by turning the control on the left lever first to  and then to position  or . The warning light  on the instrument panel comes on.

HEATED REAR WINDSCREEN fig. 80

(for versions/markets where provided)

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

BATTERY DISCONNECTION FUNCTION (DISCONNECT SWITCH)

(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. 81. To turn the ignition key to the BATT position, press the button A (red) fig. 82. 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 the MAR-ON position, the vehicle can be started normally at this point.

The battery may have to be disconnected to set up certain new electric devices (e.g. clock, date, etc.).

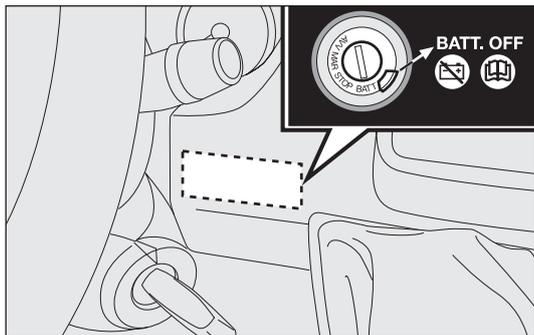


fig. 81

F0N0811m

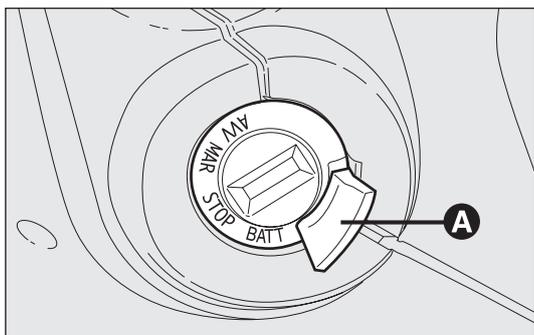


fig. 82

F0N0810m

DOOR LOCK fig. 83-84

To lock all doors at the same time, press button A, located on the centre console control panel, regardless of the position of the ignition key. To unlock the doors, press button B. There is a button D on the window opening panel that controls the independent unlocking/locking of the load compartment.

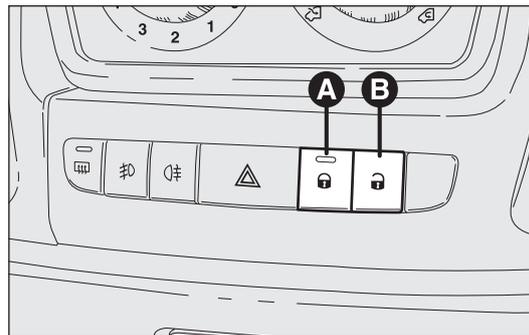


fig. 83

F0N0047m

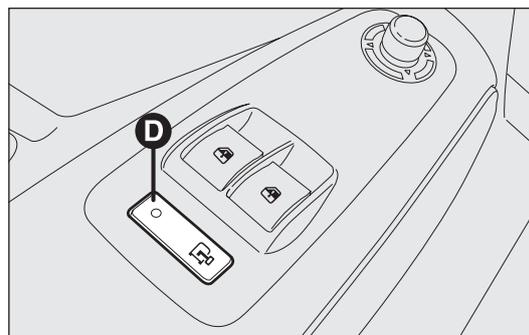


fig. 84

F0N0132m

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 courtesy 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 as well as 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 the risk of fire.

Reactivating the fuel cut-off switch fig. 85

Press the button A to reactivate the fuel cut off switch.

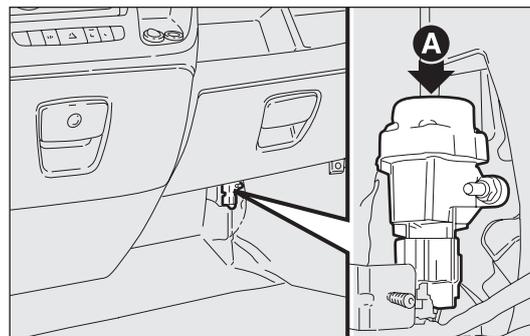


fig. 85

FON0048m

Reactivating the electrical supply cut-off switch (School bus/Minibus) fig. 86

The switch is located on the positive battery terminal. To reactivate the electrical supply switch, proceed as follows:

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

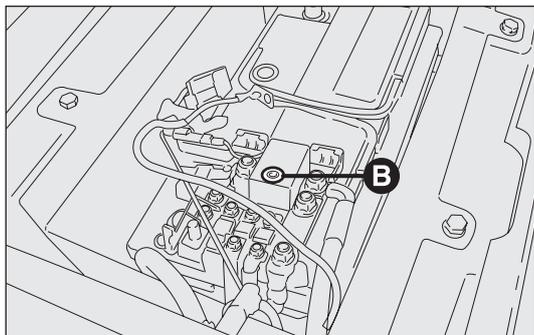


fig. 86

FON0127m



WARNING

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



WARNING

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

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

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INTERIOR FITTINGS

UPPER GLOVE COMPARTMENT – REFRIGERATED COMPARTMENT fig.87

(for versions/markets where provided)

To use, lift the flap as shown in the figure.

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.

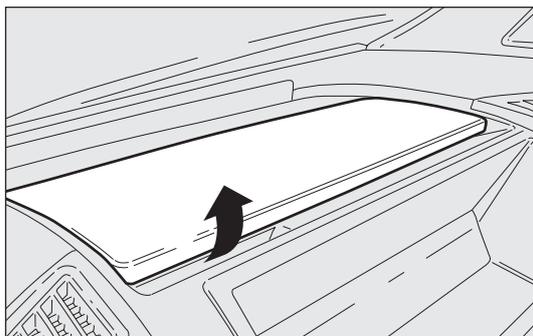


fig. 87

F0N0049m

GLOVE COMPARTMENT fig. 88

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

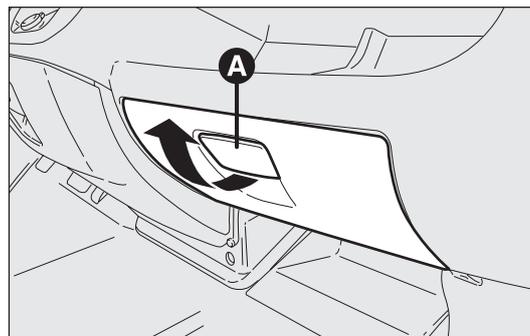


fig. 88

F0N0050m

LOCKABLE GLOVE COMPARTMENT fig. 89

Turn the key clockwise/anticlockwise to lock/unlock the lock. To open the glove compartment, use the opening handle. The compartment is big enough to hold a laptop computer.

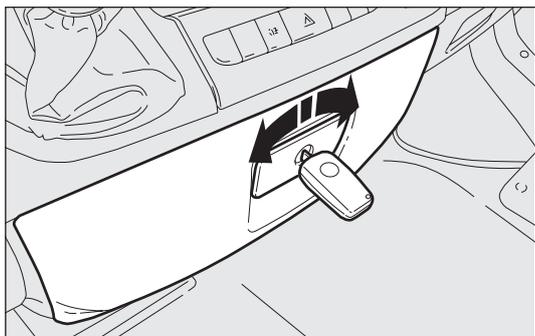


fig. 89

FON0051m

GLOVE COMPARTMENT

The glove compartment A-fig. 90 is located in the middle of the dashboard.

The glove compartment B-fig. 91 is located on the right of the dashboard above the glove compartment.

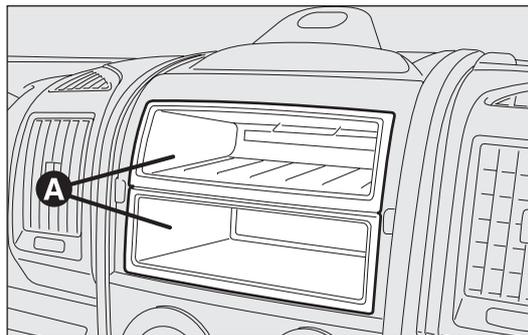


fig. 90

FON0511m

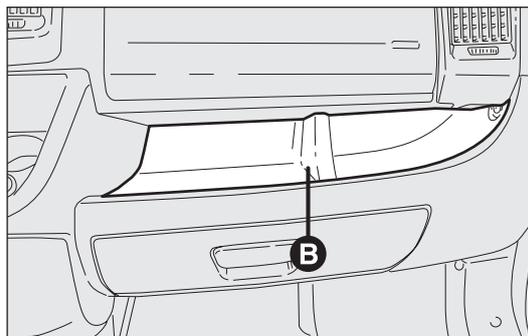


fig. 91

FON0053m

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DOOR POCKETS fig. 92

There are oddment/map pockets located in each of the door panels.

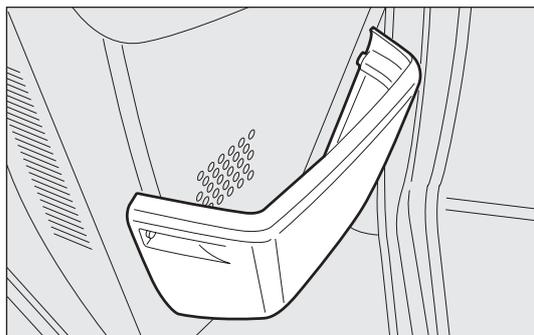


fig. 92

F0N0128m

COMPARTMENT BENEATH PASSENGER SIDE FRONT SEAT fig. 93

Proceed as follows to use the compartment:

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

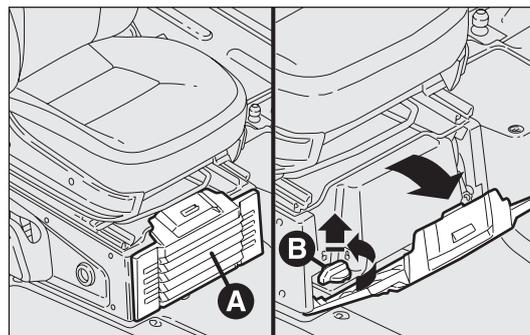


fig. 93

F0N0134m

REAR PARTITION fig. 94

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.

Certain versions are equipped with a protective grille on the glass partition inside the load compartment.

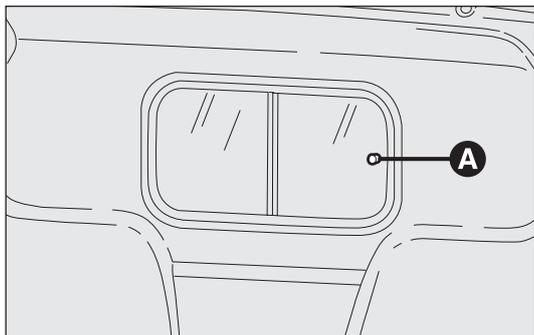


fig. 94

F0N0218m

CUP HOLDER – CAN HOLDER fig. 95

The cup – can holder is located in the middle of the dashboard.

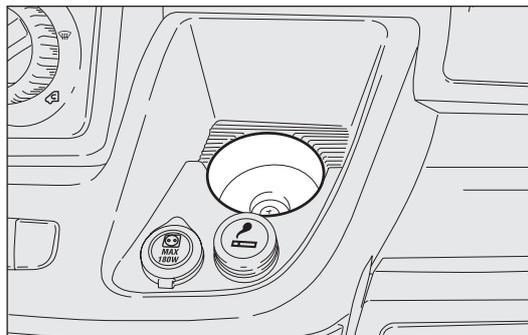


fig. 95

F0N0054m

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CIGAR LIGHTER fig. 96

It is located in the centre of the dashboard.

Press the 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 and the cigar lighter is ready for use.

IMPORTANT Always check that the cigar lighter has turned off.



WARNING

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

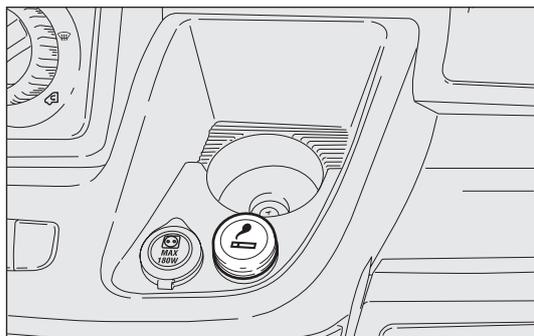


fig. 96

F0N0055m

ASHTRAY fig. 97

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

IMPORTANT Do not use the container as an ashtray and a waste paper basket at the same time: it might catch fire in contact with cigarette stubs.

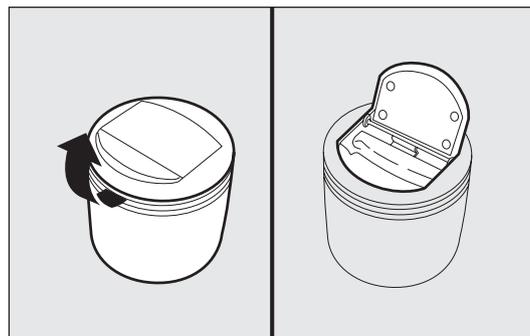


fig. 97

F0N0146m

SUN VISORS fig. 98

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

They can be adjusted forwards and sideways.

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

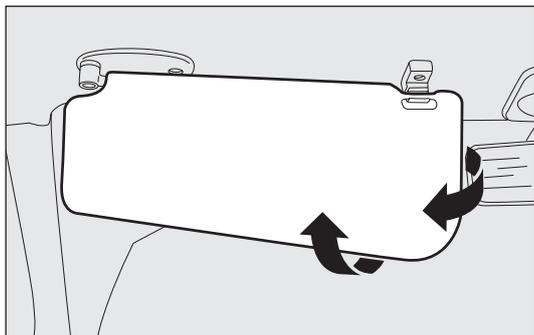


fig. 98

F0N0056m

POWER SOCKET fig. 99

(for versions/markets where provided)

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

To use it, open cap A.

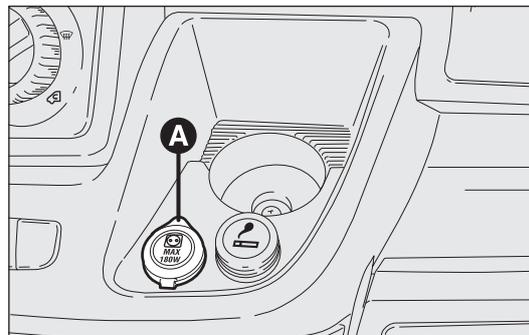


fig. 99

F0N0057m

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DESK/BOOKREST fig. 100
(for versions/markets where provided)

There is a desk A in the middle of the dashboard above the sound system compartment; on some versions this desk can be used as a bookrest 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 a vertical position with the vehicle in motion.

SHELF ABOVE THE CAB fig. 101
(for versions/markets where provided)

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

Maximum permitted load:

- localised 10 kg
- distributed over the entire surface of the shelf20 kg

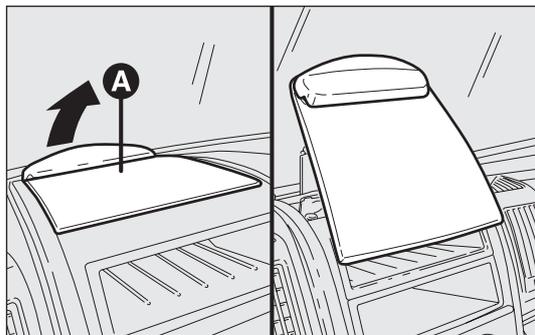


fig. 100

F0N0058m

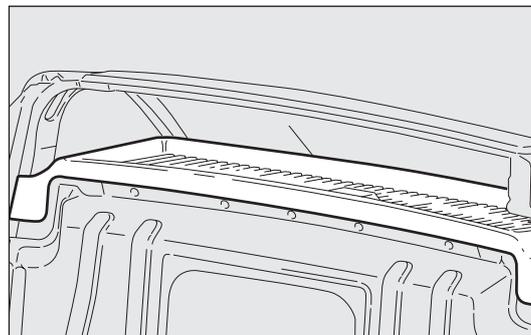


fig. 101

F0N0190m

CAB GLOVE COMPARTMENT fig. 102

(for versions/markets where provided)

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

FLAP ON BENCH fig. 103

(for versions/markets where provided)

To use, the pull tab A and lower the flap.

The flap is equipped with two cup holders and a support surface with a paper holder clip.

SATELLITE NAVIGATOR CAPABILITY fig. 104

(for versions/markets where provided)

This is located in the dashboard area illustrated in the diagram for connecting the navigator.



Portable navigators to be fitted in the seat in figure 104 have a mechanical release device activated by pressing the two side buttons on the stem. The failed operation of the release may damage the seat of the navigator.

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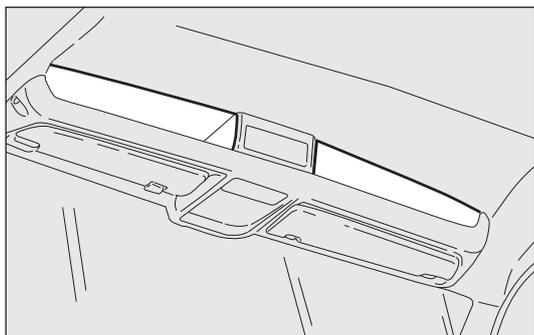


fig. 102

F0N0191m

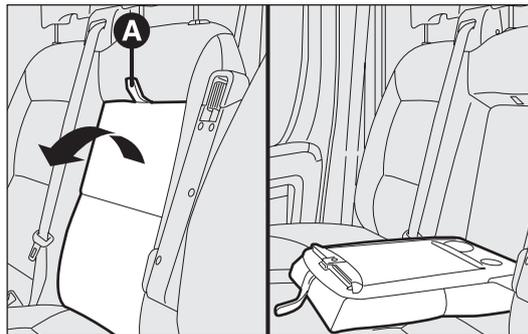


fig. 103

F0N0149m

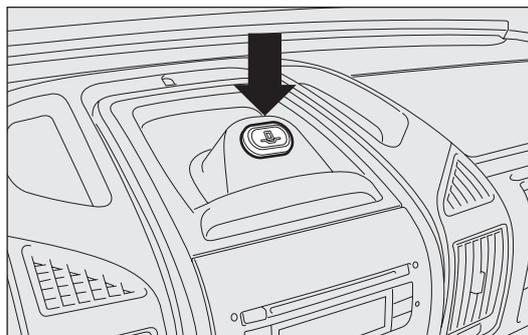


fig. 104

F0N0512m

TV CAMERA SYSTEM AND REAR VISIBILITY DISPLAY

(for versions/markets where provided)

The parking TV camera system fig. 105 allows the driver a view of the scene behind the vehicle by means of a display A-fig. 106 in the passenger compartment.

The system consists of a TV 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 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.

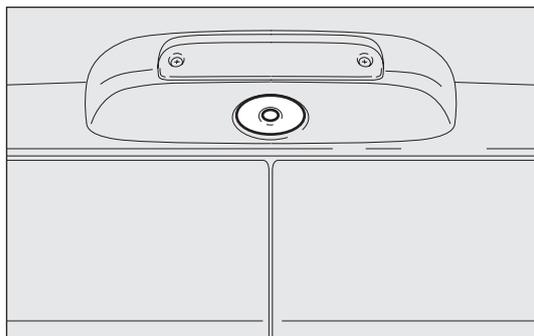


fig. 105

F0N0217m

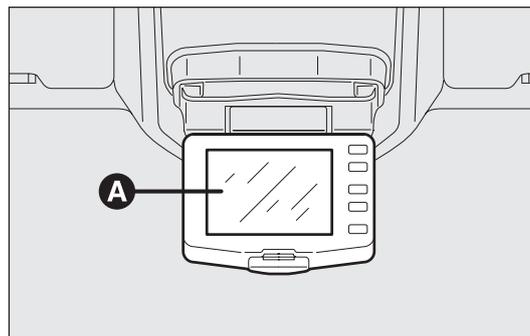


fig. 106

F0N0214m

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 area covered by the TV camera is approximately 3 m in length and approximately a maximum of 5.5 m in width fig. 107.

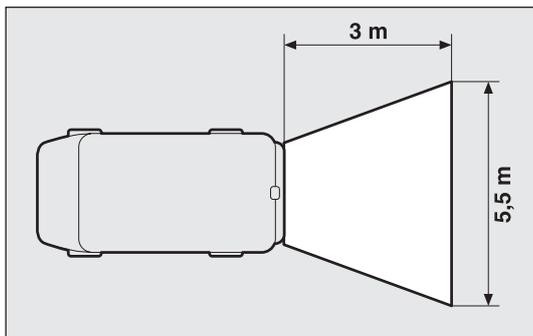


fig. 107

F0N0215m

Notes on use

To clean the TV 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.

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USER INTERFACE

The display user interface consists of fig. 108:

- Brightness adjustment: 2 buttons;
- Backlight adjustment: 2 buttons;
- ON/OFF button: this allows images from the TV 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 button flashes twice to confirm the operation.



fig. 108

F0N0216m

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 programmed.

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 NOTES

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 that that the label contains the specified data.

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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, 130 km/h. This function must be activated/deactivated by a Fiat Dealership. Following the operation, a sticker will be applied to the windscreen showing the top speed setting.

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

DOORS

CENTRAL DOOR LOCKING/UNLOCKING SYSTEM

Locking the doors from the outside

With the doors shut, press button **A** on the remote control fig. 109-110 or slide the metal insert **A** into 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 doors are open after pressing button **A** on the remote control, the direction indicators and the LED in the button **A**-fig. 112 flash quickly for approximately 3 seconds. The Buttons **A** and **B** fig. 112 are disabled with the function activated. Pressing button **A** on the remote control twice in quick succession activates the dead lock device (see "Dead lock").

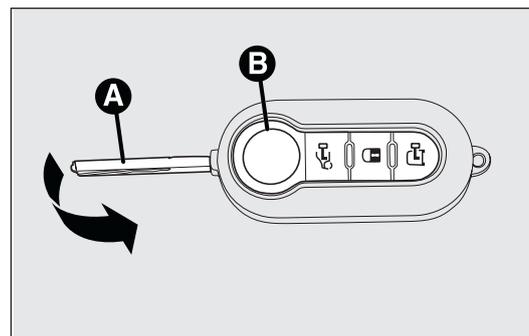


fig. 109

F0N0800m

Door unlocking from the outside

Press the button  fig. 109 or  fig. 110 briefly, depending on the version, to release the front doors remotely, for timed activation of the interior courtesy lights and a double signal from the direction indicators.

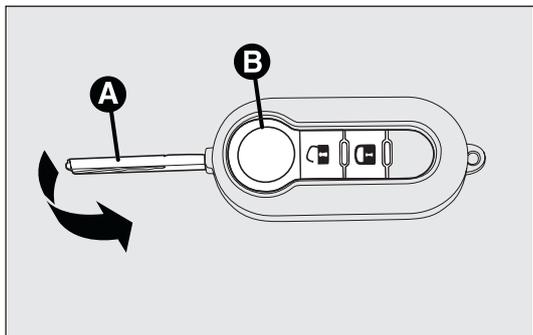


fig. 110

F0N0801m

All the doors can be unlocked by turning the metal insert anticlockwise in the door lock on the driver's side fig. 111. With the battery disconnected, access to the vehicle will only be possible by unlocking the driver's door using the mechanical lock.

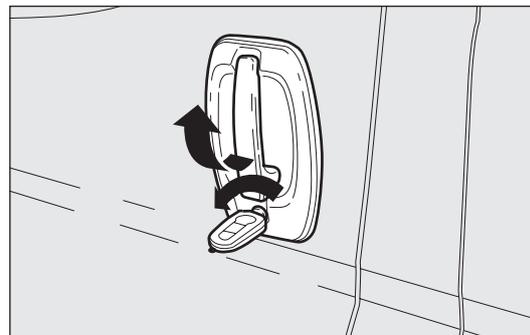


fig. 111

F0N0059m

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Door locking/unlocking from the inside

Press the button A-fig. 112 to lock the doors, press button B to unlock the doors. The locking/unlocking actions take place centrally (front and rear). 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 locking mechanism;

it will not be possible to unlock the doors using button A-fig. 112 located in the controls in the dashboard.

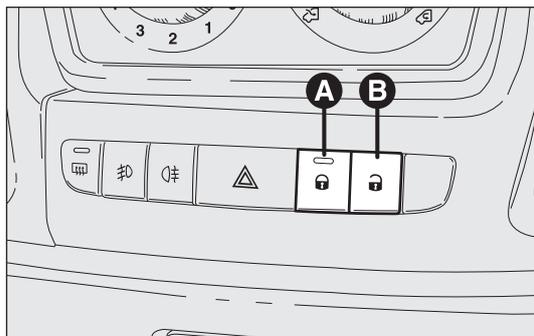


fig. 112

F0N0047m

IMPORTANT With the central locking engaged, pulling the opening lever for one of the front doors switches off the central locking function. Individual doors can be unlocked by pulling the opening handle of one of the rear doors.

If a power supply is not present (blown fuse, battery disconnected, etc.) it is, however, 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 fig. 113

Lock activation is indicated by the LED in the button.

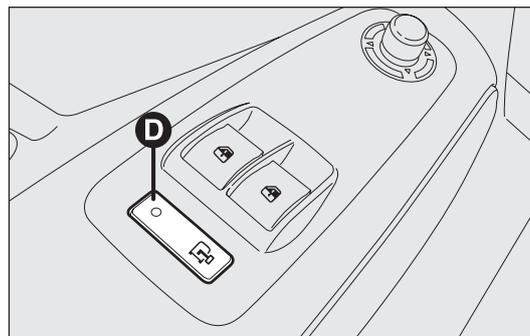


fig. 113

F0N0132m

The LED comes on in the following cases:

- after each door lock command generated by the button D 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.

DEAD LOCK

(for versions/markets where provided)

This safety device inhibits the operation of:

- interior handles;
- locking/unlocking buttons A-B fig. 112;

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 only be disengaged by using the metal insert in either of the door locks as described previously: in this case the device only remains on for the rear doors.

Device activation

The dead lock device is automatically activated on every door when pressing the remote control button  briefly twice, fig. 109.

Device activation is indicated by 3 flashes of the direction indicators and the flashing of the LED on button A-fig. 112 on the dashboard.

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

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Device deactivation

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

- opening the driver's door using the mechanical key;
- when unlocking doors using the remote control;
- when turning the ignition key to the MAR-ON position.

SLIDING SIDE DOOR fig. 114



WARNING

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

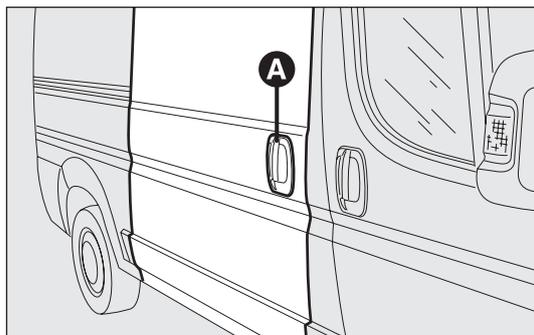


fig. 114

F0N0061m



WARNING

Do not move the vehicle with the side doors open.

To open the sliding side door, lift handle A 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 closed.

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

SLIDING SIDE GLASS fig. 115 (for versions/markets where provided)

To open, keep the two handles B pressed toward one another and slide the glass.

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

MOVING FOOTBOARD fig. 116

(for versions/markets where provided)

When the side door of the passenger compartment or luggage compartment is opened, a footboard emerges from the lower part of the floorpan to make it easier to 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. Because the movement of the footboard is controlled by that of the sliding side door, incomplete stowing of the footboard or non-closure of the rear doors is indicated by a warning light  in the instrument panel.

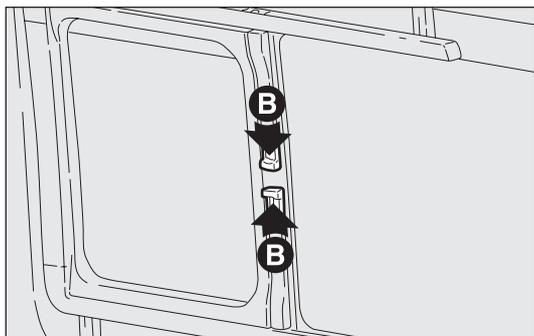


fig. 115

F0N0240m

REAR SWING DOORS (TWO)

Manual opening of the first swing door from the outside

Turn the key anticlockwise fig. 111 or press button  on the remote control and operate the handle A-fig. 117 in the direction of the arrow.

Manual opening of the first swing door from the inside fig. 118

(for versions/markets, where provided)

Pull handle B in the direction of the arrow.

Manual closure of the first swing door from the outside

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

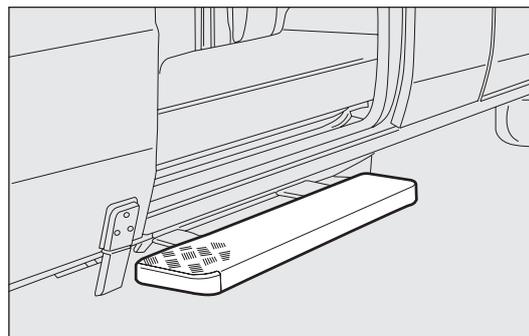


fig. 116

F0N0176m

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Manual opening of the second swing door, fig. 119

Pull handle C in the direction of the arrow.

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

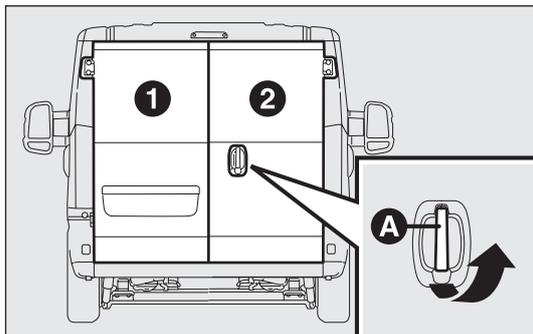


fig. 117

F0N0129m

Electrical closure from inside fig. 120

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

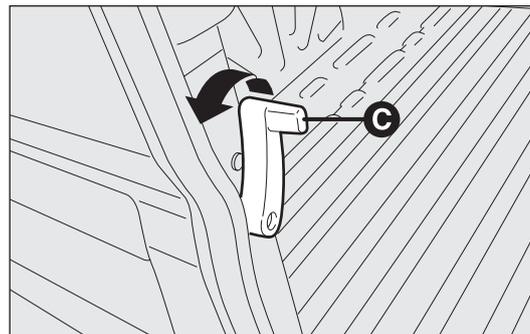


fig. 119

F0N0131m

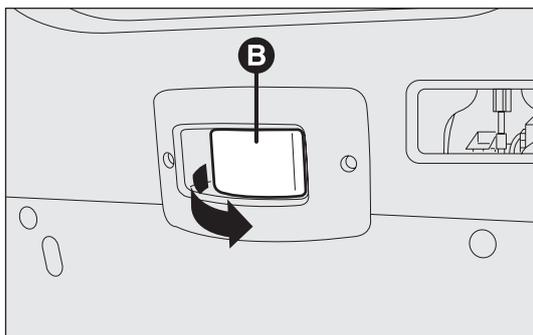


fig. 118

F0N0130m

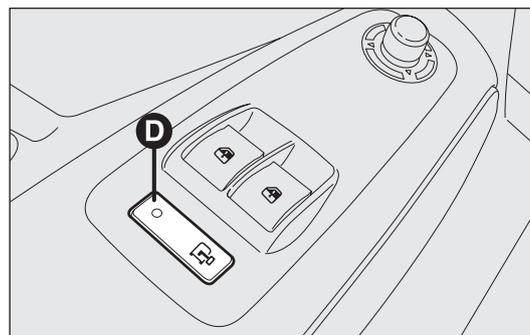


fig. 120

F0N0132m



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.

The opening angle of the two doors may be increased for more convenient loading and unloading. To carry out this operation, press the button A-fig. 121; this allows the doors to be opened to about 180 degrees.



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.

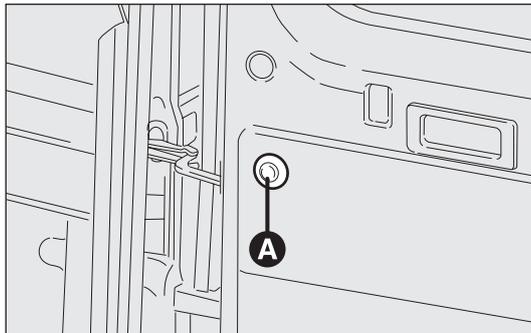


fig. 121

F0N0188m

POWER WINDOWS

MECHANISM fig. 122

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

- A to open/close the front left window;
- B front right 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 pressed for longer than half a second to operate the automatic continuous window operation function. The window stops when it reaches the end of travel position or when the button is pressed again.

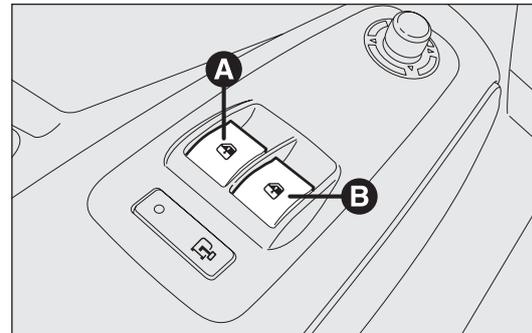


fig. 122

F0N0062m

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



WARNING

Incorrect use of the electric windows may be dangerous. Before and during operation, always check that no-one is exposed to the risk of being injured either directly by the moving window or through objects getting caught and being dragged. 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. 123 in the direction of the arrow;
- pull the lever A-fig. 124 as shown in the figure;
- lift the bonnet and, at the same time, release the bonnet stay fig. 125 from its locking device D, then insert the end C-fig. 126 of the stay into the bonnet housing E.

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

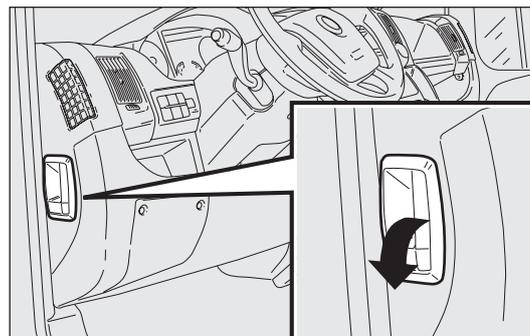


fig. 123

FON0063m

CLOSURE

Proceed as follows:

- ❑ hold the bonnet up with one hand and with the other remove the rod C-fig. 126 from the housing E and fit it back into its locking device D-fig. 125;
- ❑ lower the bonnet to approximately 20 centimetres from the engine compartment, then let it drop. Make sure that the bonnet is completely closed and not fastened only by the safety catch. If it is not perfectly closed, do not try to press the bonnet lid down but open it and repeat the procedure.

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



WARNING

The bonnet must always be perfectly closed while travelling for safety reasons. Make sure that the bonnet is properly closed and that the lock is engaged. If you notice whilst driving that the lock is not perfectly engaged, stop at once and close the bonnet properly.

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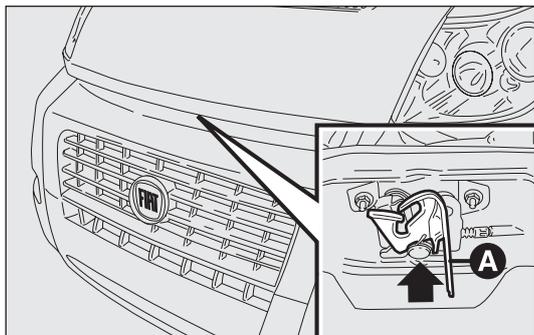


fig. 124

F0N0323m

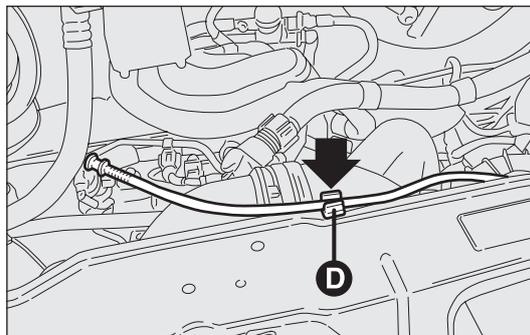


fig. 125

F0N0065m



WARNING

The incorrect positioning of the bonnet stay could cause the bonnet to fall suddenly.



WARNING

Only carry out these operations with the vehicle 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. 127.

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.

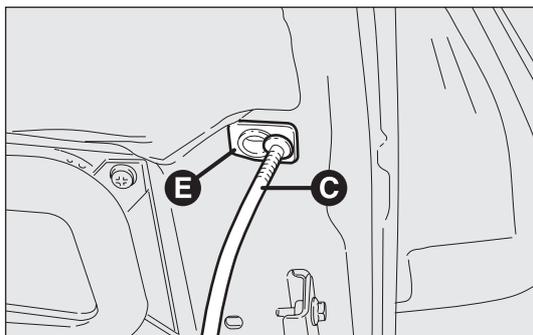


fig. 126

F0N0066m

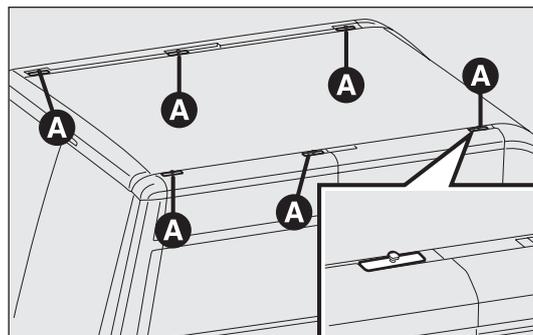


fig. 127

F0N0138m



Respect the regulations in force concerning maximum clearance.

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



WARNING

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



Never exceed the permitted weight (see “Technical data” section).

HEADLIGHTS

HEADLIGHT BEAM AIMING

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 properly 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 aimed again in this case.

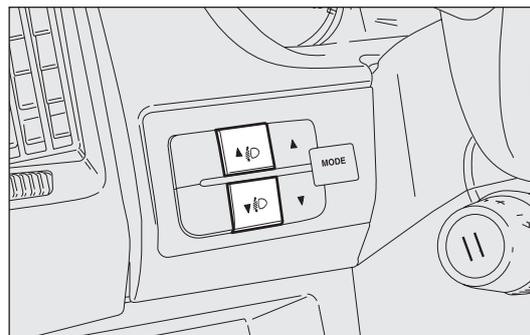


fig. 128

FON0516m

Headlight alignment adjustment fig. 128

Press buttons  and  in the control panel to adjust.

The display located on the instrument panel provides a visual indication of the adjusted position.

IMPORTANT Check the beam alignment every time the weight of the load transported changes.

FRONT FOG LIGHTS ALIGNMENT (for versions/markets where provided)

Contact a Fiat Dealership to have the headlights properly adjusted.

ADJUSTING THE HEADLIGHTS WHEN ABROAD

The dipped headlights are adjusted to work in the country where the vehicle was originally purchased. In countries where vehicles are driven on the other side of the road, the beams are aligned by applying a specially designed adhesive film in order not to dazzle the vehicles travelling in the opposite direction.

ABS SYSTEM

If you have never driven a vehicle with ABS before, it is advisable to perform a few tests on slippery ground, always in safe conditions and respecting 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 system is completed by EBD (Electronic Braking Force Distribution), which distributes the braking action between the front and rear wheels.

IMPORTANT For the maximum efficiency of the braking system, a bedding in period of about 500 km is needed (with the vehicle new or after having replaced the brake pads/discs): during this period it is better to avoid sharp, repeated and prolonged braking.



WARNING

The ABS system gets the most out of the available grip but it cannot improve it. Therefore, you should take great care when driving on slippery surfaces: don't take unnecessary risks.

SYSTEM INTERVENTION

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



WARNING

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

FAILURE WARNING

ABS failure

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

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

EBD failure

ABS Failure is indicated by the  and  warning lights in the instrument panel together with the dedicated message in the multifunction display (for versions/markets where provided) coming on (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 in the instrument panel lights up (together with a message in the multifunction display, for versions/markets where provided) stop the vehicle 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.

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BRAKE ASSIST (emergency braking assistance integrated in ESP)

(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.

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



WARNING

When the ABS intervenes and you notice the brake pedal pulsating, do not be afraid to keep the pedal pushed down. This will help you to stop in the shortest distance possible, depending on the road conditions.

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 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 signalled by the flashing of warning light  in the instrument panel, to inform the driver that the vehicle is in critical stability and grip conditions.

SYSTEM ACTIVATION

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

FAILURE WARNING

In the event of a failure, the ESP will be automatically switched off and the  warning light will come 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 OFF button will light up. Contact a Fiat Dealership as soon as possible if this happens.



WARNING

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

HILL HOLDER SYSTEM

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

It is automatically activated in the following conditions:

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

- downhill: vehicle stationary on a road with a gradient higher than 5%, engine running, clutch and brake pedal pressed and reverse gear engaged.

At pickup the ESP system control unit will maintain the braking pressure at the wheels until the necessary torque for starting is reached or, in any case, for a maximum of 2 seconds in order to move easily from the brake pedal to the accelerator pedal. When two seconds have elapsed, without starting, the system is automatically deactivated, gradually releasing the braking pressure.

During this release stage, the typical brake disengagement noise indicating that the vehicle is going to move imminently will be heard.

Failure warning

The  warning light in the instrument panel will come on in the event of a failure (see “Warning lights and messages” section).

IMPORTANT The Hill Holder system is not a parking brake; therefore, never leave the vehicle without having engaged the handbrake, turned the engine off and engaged first gear.



WARNING

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

ASR SYSTEM (Antislip Regulator)

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

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

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



WARNING

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

MSR system (engine braking torque control)

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.

Switching the system on/off fig. 129

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

The ASR can be turned off and then turned back on again whilst driving by pressing the switch A located in the dashboard.

The switching off is shown by the LED in the switch itself coming 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.

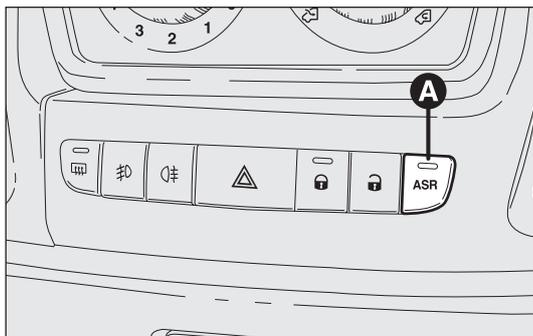


fig. 129

F0N0077m

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



WARNING

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

FAILURE WARNING

In the event of a failure, the ASR will be automatically switched off and the  warning light will come 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 OFF button will light up. Contact a Fiat Dealership as soon as possible if this happens.

TRACTION PLUS SYSTEM

(for versions/markets, where provided)

Traction Plus is a help with driving and 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.

In effect, 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 more grip on the ground.

This function can be turned on manually by pressing the T+ button fig. 130 on the dashboard and works below a level of 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.

Traction Plus operation

The system is deactivated when starting up. To activate the “Traction Plus” system, press the button (T+ fig. 130): 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, in order to fully exploit the engine torque;
- the differential locking effect on the front axle, through the braking system, to improve traction on irregular grounds.

If the “Traction Plus” system is faulty, the “general failure” instrument panel warning light (⚠) comes on steady.

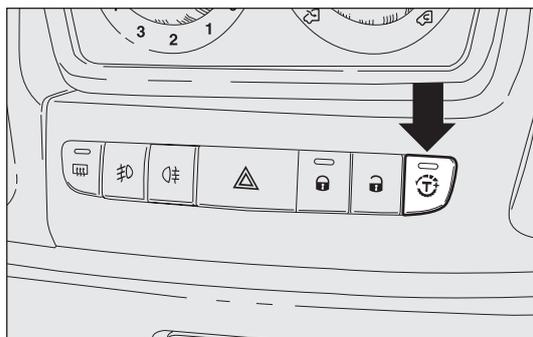


fig. 130

F0N0509m

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 on the instrument panel (together with a 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 goal of the system is to:

- keep the system efficiency under control;
- warn about increased emissions due to a vehicle malfunction;
- warn of the need to replace deteriorated components.

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

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



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

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PARKING SENSORS

(for versions/markets where provided)

The parking sensors are located in the rear bumper, fig. 131 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 the reverse gear is engaged.

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

WARNING BUZZER

When reverse gear is engaged an intermittent beeping is automatically activated.

The acoustic signal:

- 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.

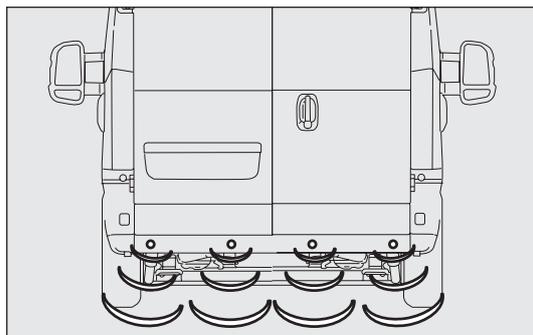


fig. 131

F0N0119m

Detection distances

Central action range: 140 cm \pm 10 cm

Side action range: 60 cm \pm 20 cm

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

FAILURE WARNING

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

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 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.

When using special washing equipment such as high pressure jets or steam cleaning, clean the sensors very quickly keeping the jet more than 10 cm away.

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For correct operation, sensors must always be clean from mud, dirt, snow or ice. Be careful not to scratch or damage the sensors while cleaning them. Avoid using dry, rough or hard cloths. The sensors should be washed with clean water, possibly with some car shampoo.



WARNING

The driver always has ultimate responsibility for parking and other dangerous manoeuvres. While manoeuvring, always make sure that no-one is in the area concerned (especially children) or animals. The parking sensors are designed to assist drivers: in any case, you must always pay the utmost attention during potentially dangerous manoeuvres, even when carried out at low speed.

GENERAL WARNINGS

- When parking, take the utmost care over obstacles that may be above or below 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.

SOUND SYSTEM

(for versions/markets, where provided)

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

SOUND SYSTEM CAPABILITY

(for versions/markets where provided)

The system consists of:

- sound system power cables
- front speaker connection cables
- aerial power cable
- 2 tweeters **A** on the front pillars (30 W max power each), fig. 132;
- 2 mid-woofers **B** in the front doors (165 mm diameter, 40 W max power each) fig. 133;
- radio aerial lead.

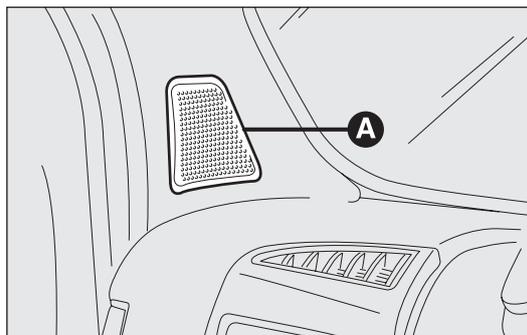


fig. 132

F0N0157m

The sound system must be installed in the place occupied by the central oddments compartment, where you will find the wiring.



WARNING

For connection to the existing devices supplied in the vehicle contact a Fiat Dealership to prevent any problems that could impair vehicle safety.

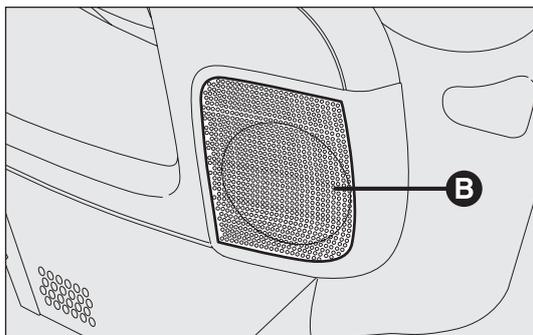


fig. 133

FON0158m

ACCESSORIES PURCHASED BY THE OWNER

If after buying the vehicle, 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 absorption, checking whether the vehicle's electric system is able to withstand the load required, or whether it needs to be integrated with a more powerful battery.



WARNING

Take care when fitting additional spoilers, alloy 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 vehicle and available as after-sales must carry the following label:



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

IMPORTANT Traffic authorities may not allow the vehicle on the road if devices are fitted that modify vehicle specifications. This may also invalidate the warranty in relation to faults caused by the change or either directly or indirectly related to it.

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

RADIO TRANSMITTERS AND MOBILE PHONES

Radio transmission equipment (e.g.: ETACS mobile phones, CB radio systems and so on) should not be used inside the vehicle unless a separate aerial roof-mounted is fitted.

IMPORTANT The use of similar devices inside the passenger compartment (without an external aerial) may, in addition to potential damage to the health of the passengers, cause malfunctions in the vehicle electronic systems, compromising the safety of the vehicle.

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

As far as the use of EC-approved mobile phones is concerned (GSM, GPRS, UMTS), follow the instructions for use provided by the mobile phone manufacturer.

PREPARATION FOR TELEPASS DEVICE IN 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. 134-135.

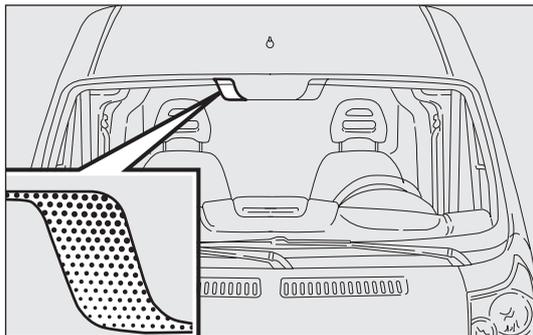


fig. 134 – Left hand drive versions

FON0245m

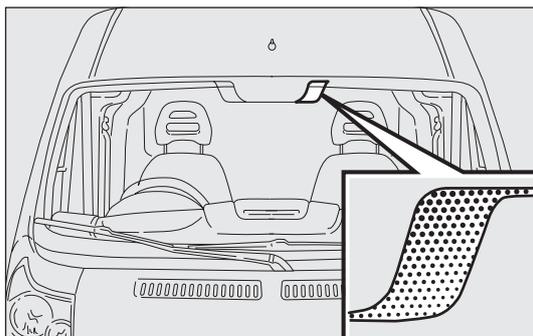


fig. 135 – Right hand drive versions

FON0246m

REFUELLING THE VEHICLE

OPERATION AT LOW TEMPERATURES

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

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

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

In this situation it is also advisable to keep the fuel tank more than 50% full.



Only use diesel fuel that conforms to 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. If you accidentally introduce other types of fuel into the tank, do not start the engine and empty the tank. If the engine has run, even for a very short time, you will need to have the entire fuel system emptied in addition to the tank.

REFUELLING CAPACITY

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

FUEL TANK CAP fig. 136

When refuelling, open the flap A then undo the cap B turning the ignition key anticlockwise; the cap has a device C to prevent it being lost.

The hermetic seal may cause a slight increase in pressure in the tank. A little breathing off, while slackening the cap is absolutely normal.

When refuelling, attach the cap to the device inside the flap as shown in fig. 136.



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 avoid breathing in harmful vapours.

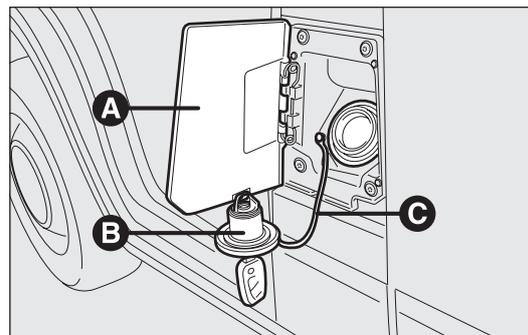


fig. 136

F0N0068m

PROTECTING THE ENVIRONMENT

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

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



WARNING

The diesel particulate filter (DPF) reaches high temperatures during operation. Therefore do not therefore park the vehicle on inflammable materials (grass, dry leaves, pine needles, etc.): fire hazard.



WARNING

The catalytic converter also reaches high temperatures during normal 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 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 the “Warning lights and messages” section.

SAFETY

SAFETY BELTS

USING THE SEAT BELTS

fig. 137

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

To fasten the seat belts, hold the tongue A 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.

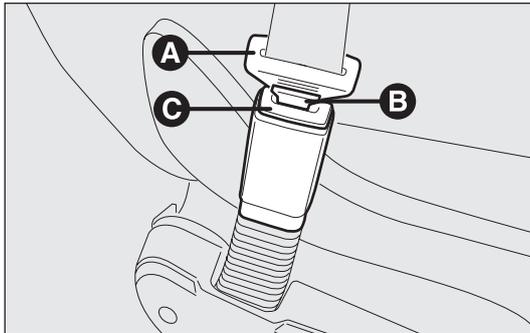


fig. 137

F0N0069m

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

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



WARNING

Do not press button C-ig. 137 when driving.

HEIGHT ADJUSTMENT fig. 138



WARNING

The height of the seat belts must be adjusted with the vehicle at a standstill.

To adjust, use button A-fig. 138 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.

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Correct regulation 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. 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 position on bench seat fig. 139

The two-seater front bench is equipped with an on-board seat belt (reel on seat) with three anchorage points for the central position.

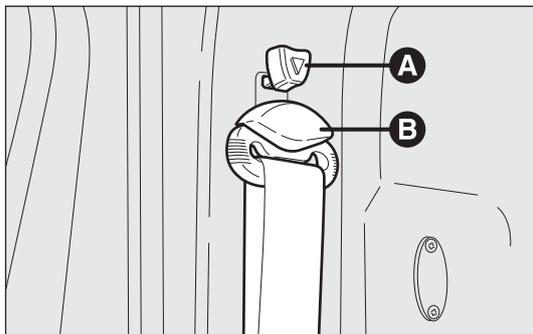


fig. 138

FON0070m

S.B.R. SYSTEM

The vehicle is fitted with a Seat Belt Reminder system (S.B.R.), consisting of a buzzer and a 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 engine stop) as follows:

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

For permanent deactivation, contact the Fiat Dealership. With digital display, the S.B.R. system can only be reset at Fiat Dealership.

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



fig. 139

FON0156m

PRETENSIONERS

To increase the efficiency of the seat belts, the vehicle is fitted with pretensioners. These devices, in the event of a violent frontal impact, rewind the seat belts a few centimetres. In this way they ensure that the seat belt adheres perfectly to the wearer before the restraining action begins.

The buckle moves downwards to indicate that the device has intervened; the seat belt cannot be drawn back up even when guiding it manually.

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

A slight amount of smoke may be detected during operation of the pretensioners. This smoke is not harmful and does not indicate a fire.

The pretensioner does not require any maintenance or lubrication.

Anything that modifies its original conditions invalidates its efficiency.

If unusual natural events (floods, sea storms, etc.) have caused the device to be contaminated by water and mud, it must be replaced.



WARNING

The pretensioner can only be used once. After it is triggered, have it replaced at a Fiat Dealership. The device expiry date is shown on the plate in the glove compartment: contact the FIAT Dealership when it is time to replace the device.



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 allows controlled sag in such a way as to dose the force acting on the chest and shoulders during the belt restraining action in the event of frontal impact.

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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 are also to be worn by expectant mothers: the risk of injury in the case of accident is greatly reduced for them and the unborn child if they are wearing a seat belt.

Of course they must position the lower part of the belt very low down so that it passes over the pelvis and under the abdomen, see fig. 140.

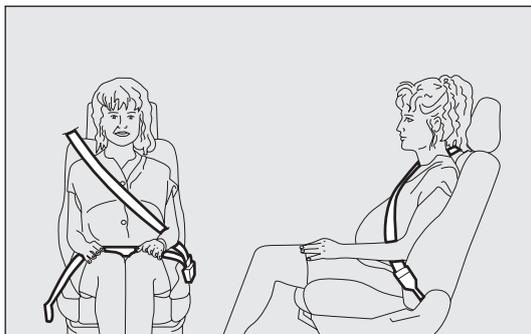


fig. 140

F0N0120m



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 fig. 141, not to the abdomen. Do not use devices (clips, clamps, etc.) that prevent the belts from being snug to the passengers' body.



WARNING

Maximum protection is obtained if the backrest is kept straight: the passenger's back must lean against the backrest and the seat belt must be adhere firmly to the torso and pelvis. Always fasten the seat belts on both the front and the rear seats. Travelling without seat belts fastened increases the risk of serious injuries or even death in the event of a crash.

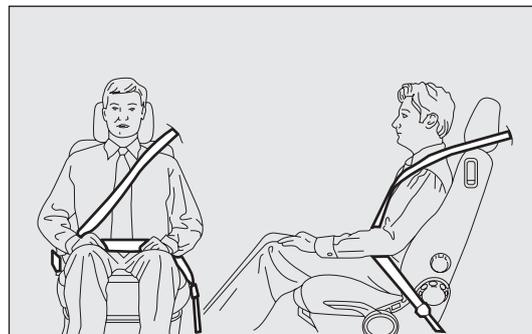


fig. 141

F0N0121m



WARNING

Under no circumstances should the seat belt and pretensioner components be removed or tampered with. Any operations must be carried out by qualified and authorised personnel only. Always go to a Fiat Dealership.



WARNING

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



fig. 142

F0N0122m



WARNING

Each seat belt must be worn by one person only; passengers should not have babies or children on their lap and use the belts to protect both of them fig 142. In general, do not use the seat belts to hold any object against the body.

HOW TO MAINTAIN THE SEAT BELTS IN EFFICIENT CONDITIONS

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

- always use the belts with the strap well stretched and never twisted; make sure that it is free to run without impediments;
- after a serious accident, replace the belt even if it does not appear damaged. Always replace the belt if the pretensioners were deployed;
- to clean the belts, wash by hand with water and mild soap, rinse and leave to dry in the shade. Never use strong detergents, bleach, paints or any other substance which could damage the belt fibres;
- prevent the reels from getting wet: their correct operation is only guaranteed if water does not get inside;
- replace the seat belt when they demonstrate significant wear or cuts.

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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 EU countries pursuant to Directive 2003/20/EC.

Compared with adults, a child's head is proportionally larger and heavier than the rest of the body, while muscles and bone structure are not fully developed. Therefore, correct restraint systems are necessary which are different from adult seat belts. The results of research in relation to the best protection for children is summarised in European Regulation EEC-R44, which divides the restraint systems into five groups in addition to making their use compulsory:

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

As you can see, the groups overlap partly and, in fact, there are devices on sale that cover more than one weight group. All child restraint devices must bear the certification data, together with the control mark, on a label solidly fixed to the 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.



WARNING

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



WARNING

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

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 seat belts fig. 143 and it in turn must restrain the child with its own belts.



WARNING

The figures are indicative for assembly purposes only. To install the child restraint, refer to the instructions supplied with the same.

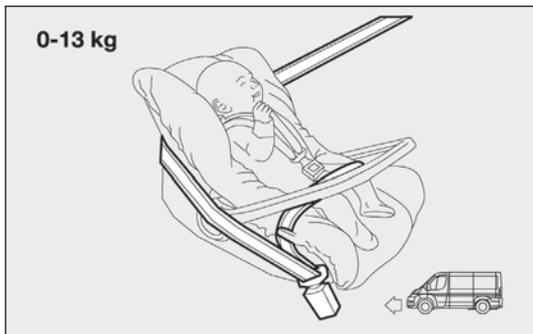


fig. 143

F0N0123m



WARNING

Some child restraint systems for weight group 0 and 1 have a rear attachment to the car seat belts and its own seat belts for securing 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 assembly instructions carefully.

GROUP 1

From 9 kg to 18 kg in weight, children may be carried facing forwards seated on child seats fitted with a front cushion. With these seats the vehicle seat belt is used to restrain both child and seat, fig. 144.

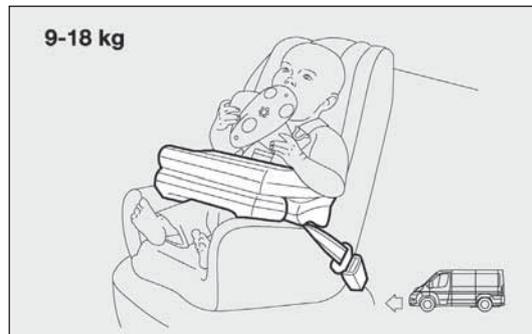


fig. 144

F0N0124m

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GROUP 2

From 15 kg to 25 kg, children may be restrained directly by the vehicle seat belts fig. 145. The only function of the seat is to position the child correctly in relation to the belts, so that the diagonal part fits over the chest and not the neck, and that the horizontal part fits over the pelvis and not the abdomen.

**WARNING**

The figure is indicative for fitting purposes only. Fit the child seat referring to the instructions supplied with the child restraint.

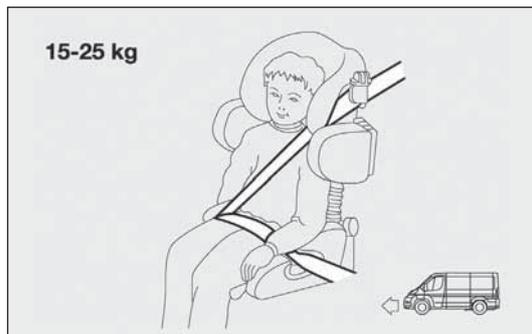


fig. 145

F0N0125m

GROUP 3

For children from 22 kg to 36 kg the size of the child's chest no longer requires a support to space the child's back from the backrest.

Fig. 146 shows a child correctly positioned on the rear seat.

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

**WARNING**

The figure is indicative for fitting purposes only. Fit the child seat referring to the instructions supplied with the child restraint.

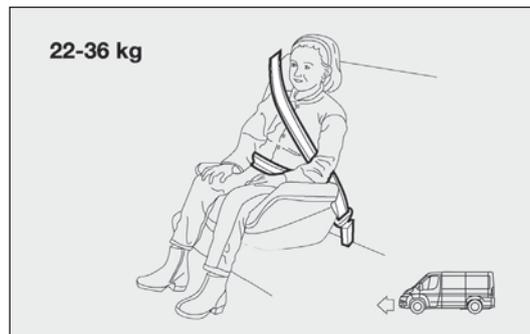


fig. 146

F0M0126m

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 restraints on the seats of a vehicle as shown in the following table.

Group	Weight groups	VAN, COMBI and PANORAMA versions			
		CAB	1 st and 2 nd REAR SEATS ROW		
		Single seat or two-seater (1 or 2 passengers)	Passenger rear left side	Passenger rear right side	Passenger central
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

Key:

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

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

- 1) The recommended position for installing child seats is on the rear seat, as it is the most protected area in the event of a crash.
- 2) If the passenger's air bag is deactivated always check the amber warning light on the control panel to make sure that it has actually been deactivated.
- 3) Carefully follow the instructions supplied with the child restraint system 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.
- 4) Always check that the seat belt is well fastened by pulling on it.
- 5) Only one child is to be strapped into each retaining system; never carry two children using one child seat.
- 6) Always check that the seat belts do not restrain the child's throat.
- 7) While travelling, do not let the child sit incorrectly or release the belts.
- 8) Never carry children on your lap, even newborns. No-one, however strong, can restrain a child in the event of an accident.
- 9) In the event of an accident, replace the child's seat with a new one.



WARNING

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

“UNIVERSAL ISOFIX” CHILD RESTRAINT ASSEMBLY SETUP

Provision has been made on the vehicle to fit a Universal Isofix child restraint system, a new European standardised system for carrying children safely. An example of a child seat is shown in fig. 147. Due to its different anchoring system, the Universal Isofix child's seat must be secured using the special lower metal rings A-fig. 148, positioned between rear backrest and cushion. The upper belt (provided with the child's seat) must be then secured to ring B-fig. 149 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 the case of Universal Isofix child seats, you can use all those seats bearing the marking ECE R44/03 Universal Isofix.



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 assembly, disassembly and positioning that the manufacturer must supply with the child seat.

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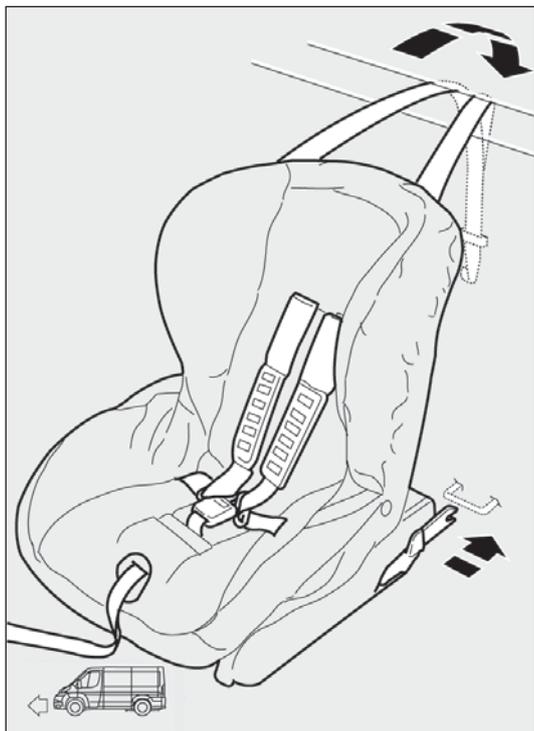


fig. 147

FON0236m

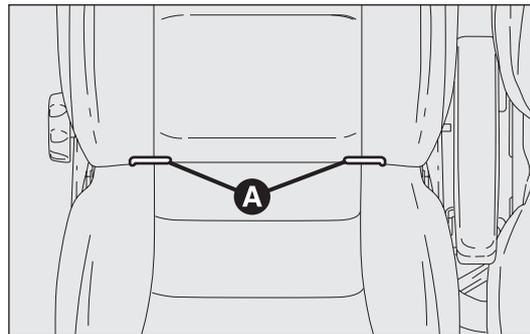


fig. 148

FON0234m

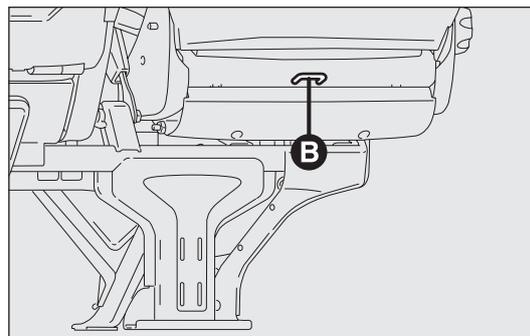


fig. 149

FON0235m

PASSENGER SEAT COMPLIANCE WITH REGULATIONS ON UNIVERSAL ISOFIX CHILD SEAT USE

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

Weight group	Child seat seat	Class Isofix size	Isofix positions rear side 1 st row	
			PANORAMA	COMBI
Portable cradle	Facing forwards	F	IUF	IUF
	Facing forwards	G	IUF	IUF
Group 0 up to 10 kg	Facing forwards	E	IUF	IUF
	Facing forwards	E	IUF	IUF
Group 0+ up to 13 kg	Facing forwards	D	IUF	IUF
	Facing forwards	C	IUF	IUF(*)
	Facing forwards	D	IUF	IUF
Group I from 9 up to 18 kg	Facing forwards	C	IUF(*)	IUF(*)
	Facing forwards	BI	IUF	IUF
	Facing forwards	A	IUF	IUF

(*) Not with two-seater front bench.

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

FRONT AIR BAGS

The vehicle is provided with front airbags 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-activation in other types of collisions (side collisions, rear shunts, roll-overs, etc.) is not a system malfunction.

An electronic control unit causes the bag to inflate in the event of a head-on crash. The bag will inflate instantaneously placing itself between the front occupants body and the structures which could cause injury. It will deflate immediately afterwards.

Driver and passenger front airbags 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 airbags 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, someone not wearing a seat belt could move forward and come into contact with a bag which is still in the opening phase. The protection offered by the bag is reduced in such a case.

The front air bags may not be activated in the following situations:

- during collisions against highly deformable objects that do not affect the vehicle front surface (e.g. bumper collision against guard rail, heaps of gravel, 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. Failure to deploy in such cases does not consequently indicate a system fault.



WARNING

Do not apply stickers or other objects to the steering wheel, to the passenger's side air bag cover or on the roof side lining. Do not place objects on the passenger side dashboard because these could interfere with the correct opening of the airbag (e.g. mobile phones) and cause severe injury to occupants.

The airbags are not deployed in the event of minor collisions (for which the restraining action of the seat belts is sufficient). For this reason, the seat belt must be worn at all times. In the event of side collisions, the seat belts hold occupants in the correct position and prevent them being thrown out of the car by a very violent collision.

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DRIVER'S FRONT AIR BAG
fig. 150

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

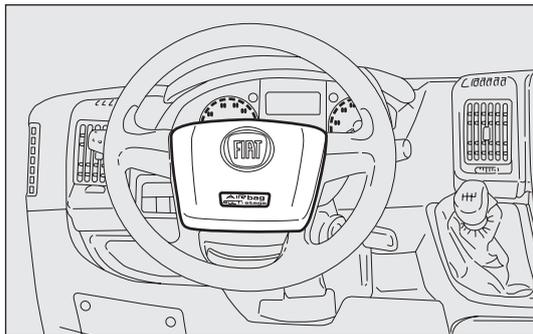


fig. 150

F0N0324m

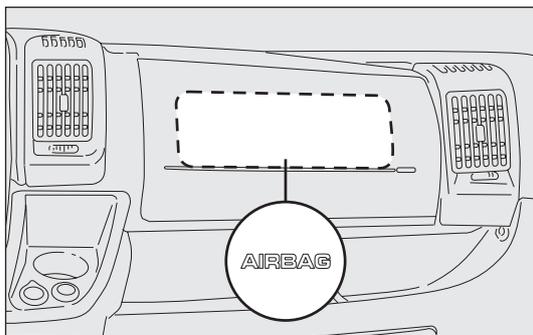


fig. 151

F0N0072m

PASSENGER'S FRONT AIR BAG fig. 151
(for versions/markets where provided)

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

**WARNING**

SEVERE DANGER: do not arrange cradle child restraints facing backwards if the passenger's airbag is on. Deployment of the airbag 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. Move the passenger's seat as far back as possible to avoid contact between the child seat and the dashboard. Even when this is not mandatory by law, the air bag should be immediately reactivated when children are no longer carried to ensure better protection for the adults.

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

(for versions/markets where provided)

Whenever a child needs to be carried on the front seat, the passenger's front airbag and the Side Bag chest protection (for versions/markets where provided) must be deactivated.

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



WARNING

To deactivate the passenger's front air bag and the side bag (chest protection) (for versions/markets where provided), refer to paragraphs "Digital display" and "Multifunction display" in section "Dashboard and controls".

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 (head-on collisions, rear shunts, roll-overs, etc...) is not an indication of system malfunction.

An electronic control unit causes the bags to inflate in the event of a side impact. 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 – CHEST AND PELVIS ZONE fig. 152 (for versions/markets where provided)

Housed in the seats' backrests, 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.

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SIDE WINDOW BAGS – HEAD PROTECTION**fig. 153** (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 special finishing.

Window bags have been designed for protecting the head of front occupants in the event of side impact, thanks to the wide bag inflation surface.

IMPORTANT In the event of side impact, you can obtain the best protection by the system by maintaining a correct position on the seat, thus allowing the bags to unfold correctly.

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 impacts, against steps, kerbs or low obstacles, vehicle falling into big pot holes or depressions in the road.

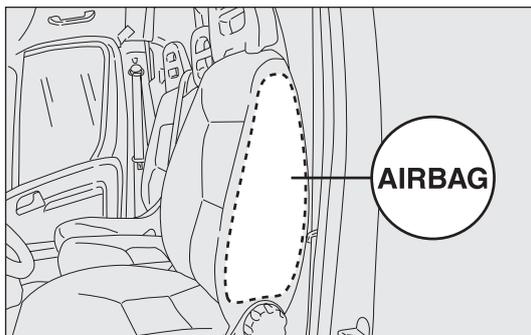


fig. 152

FON0140m

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 is activated, take the car to a Fiat Dealership to have the activated devices replaced and to have the system checked.

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

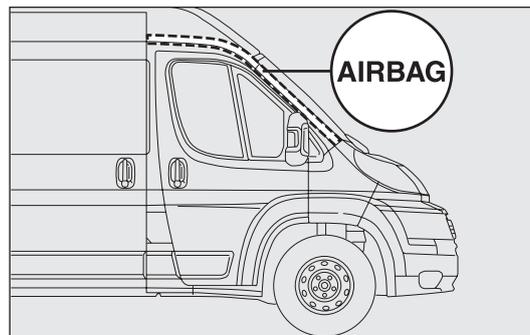


fig. 153

FON0133m

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 airbags and front side bags are deployed according to different logics on the basis of the type of collision. Non-deployment of one of the devices does not necessarily indicate a system malfunction.



WARNING

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



WARNING

Never lean head, arms or elbows out of 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 failure in the safety systems; in this event air bags or pretensioners may fail to trigger in the event of impact or, in a lower number of cases, they could trigger accidentally. Contact a Fiat Dealership immediately to have the system checked before driving off.



WARNING

Do not cover the front and rear seat backrest with upholstery or seat covers that hinder deployment of the side bag.



WARNING

Do not travel with objects in your lap, in front of your chest, or with pipes, pencils, etc. between your lips. In the event of crash with airbag activation, you may be seriously injured.

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**WARNING**

Always drive keeping your hands on the rim of the steering wheel so that, in the event of airbag activation, it can inflate without meeting obstacles. Do not drive with your body bent forward. Keep the backrest in an upright position, resting your back on it firmly.

**WARNING**

With ignition key inserted, on MAR-ON, even if the engine is off, the air bags can activate even with the vehicle stopped, if it is hit by another vehicle. For this reason, children must never sit on the front seat, even if the vehicle is not moving. On the other hand, whenever the key is positioned on STOP, the safety devices (airbags or pretensioners) do not deploy after a collision. In this case non-deployment of these devices does not indicate a system malfunction.

**WARNING**

If the vehicle has been subject to theft or a theft attempt or if it has been affected by vandalism, flooding or inundation, have the air bag system checked at a Fiat Dealership.

**WARNING**

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

**WARNING**

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

**WARNING**

The front airbag is deployed in the event of collisions with a more severe nature than those required to activate the pretensioners. For collisions in the range between the two activation thresholds, the fact that only the pretensioners activate is normal.

**WARNING**

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

STARTING AND DRIVING

STARTING THE ENGINE

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



In the first period of use, we recommend avoiding excessive stress on the car (for instance excessive acceleration, extended travel at maximum speed, sudden braking etc.).



When the engine is switched off never leave the key into the ignition switch to prevent useless current absorption from draining the battery.



WARNING

It is dangerous to let the engine run in enclosed spaces. The engine consumes the oxygen and discharges 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 FOR

Proceed as follows:

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

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

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

IMPORTANT If the instrument panel warning light  stays on constantly, contact a Fiat Dealership immediately.

IMPORTANT Never leave the ignition key on MAR-ON when the engine is off.



The warning light  will flash for 60 seconds after starting or during prolonged cranking to indicate a fault with the glow plug preheating system. Use the vehicle normally if the engine starts, but contact Fiat Dealership as soon as possible.

HOW TO WARM UP THE ENGINE AFTER IT HAS JUST STARTED

Proceed as follows:

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



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



Avoid jump starting the engine by pushing, towing or driving downhill. This could cause a flow of fuel into the catalytic converter and damage it beyond repair.

STOPPING THE ENGINE

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

IMPORTANT After a taxing drive, you should allow the engine to “catch its breath” before turning it off by letting it idle to allow the temperature in the engine compartment to fall.



A quick burst on the accelerator before turning off the engine serves absolutely no practical purpose, it wastes fuel and is damaging especially to turbocharged engines.



In some cases, when the engine switches off, the fan could start for max. 120 seconds.

PARKING THE VEHICLE

Proceed as follows:

- stop the engine and engage the handbrake;
- engage a gear (on a slope, engage first gear if the vehicle is faced uphill or reverse if it is faced 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 switch to prevent draining the battery. Always remove the key when you leave the vehicle.



WARNING

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

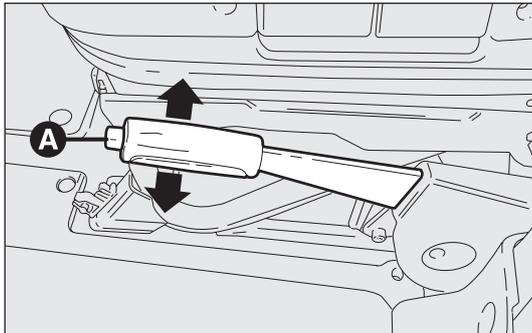


fig. 154

FON0073m

HANDBRAKE fig. 154

The handbrake lever is located to the left side of the driver's seat. 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 lever is pulled up and the ignition key is at MAR-ON, the instrument panel warning light (ⓘ) will turn on. Proceed as follows to release the handbrake:

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

Press the brake pedal when carrying out this operation to prevent the 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 fault 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.

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USING THE MANUAL GEARBOX

To engage the gears, depress the clutch pedal fully and shift the gear lever into the required positions (the diagram is shown on the gear knob fig. 155).

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 same applies to the shift from 6th 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.

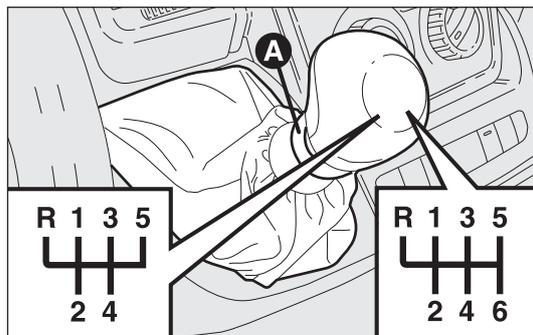


fig. 155

F0N0074m



WARNING

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



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

LOAD ADVICE

The Fiat Ducato version used by you has been designed and type approved on the basis of certain maximum weights (see “Weights” table in the “Technical Data” section): kerb weight, payload, total weight, maximum weight on front axle, maximum weight on rear axle, towable weight.



WARNING

*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.

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**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, the risk of fire in the event of an accident increases.

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.

CONTAINING RUNNING COSTS

Here are some suggestions which may help you to keep the running costs of your vehicle down and lower the amount of toxic emissions released into the atmosphere.

GENERAL CONSIDERATIONS**Vehicle maintenance**

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

Tyres

Check the pressure of the tyres routinely at an interval of no more than 4 weeks: if the pressure is too low, consumption levels increase as resistance to rolling is higher.

Unnecessary loads

Do not travel with an overloaded boot. The weight of the vehicle (especially when driving in town) and its geometry greatly affect fuel consumption and stability.

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. It is better to use a trailer, particularly for transporting bulky objects.

Electric devices

Use electric devices only for the amount of time needed. Rear heated window, additional headlights, windscreen wipers and heater fan need a considerable amount of energy, therefore increasing the requirement of current increases fuel consumption (up to +25% in the urban cycle).

Climate control system

The climate control system is an additional load which greatly affects the engine leading to higher consumption (on average up to +20%). When the temperature outside the car permits it, use the air vents where possible.

Devices for aerodynamic control

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

DRIVING STYLE

Starting

Do not warm the engine with the 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. This way the engine will warm faster.

Unnecessary actions

Avoid accelerating when starting at traffic lights or before switching off the engine. The latter action, like doubling the clutch, is unnecessary and causes increase of 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.

Max. speed

Fuel consumption considerably increases with speed. Keep your speed as even as possible, avoiding unnecessary braking and acceleration, which cause excessive fuel consumption and increased emissions.

Acceleration

Accelerating violently will greatly affect consumption and emissions: acceleration should therefore be gradual and should not exceed the maximum torque.

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CONDITIONS OF USE

Cold starting

Short journeys and frequent cold starts 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 consumption levels are linked to situations with heavy traffic, for instance when travelling in queues with frequent use of the lower gears or in cities with many traffic lights. Winding mountain roads and rough road surfaces also adversely affect consumption.

Traffic hold-ups

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

TOWING TRAILERS

IMPORTANT NOTES

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.

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

Remember that when towing a trailer, steep hills are harder to climb, the braking spaces increase and overtaking takes longer depending on the overall weight.

Engage a low gear when driving downhill, rather than constantly using the brake.

The weight 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).

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

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



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

The towing device must meet current regulations with reference to 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 electric connection a standard connector should be used which is generally placed on a special bracket normally fastened to the towing device, and a special ECU for external trailer light control must be installed on the 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.

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

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IMPORTANT The engine must be running to use the electric brake or a winch.

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In addition to the electrical branches, the vehicle's electric system can only be connected to the supply cable for an electric brake and to the cable for an internal light, though not above 15 W. For connections use the preset control unit with battery cable no less than 2.5 mm².

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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.

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If no trailer is fitted, the hook must be removed from the attachment base and it must not exceed the vehicle's original length.

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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.

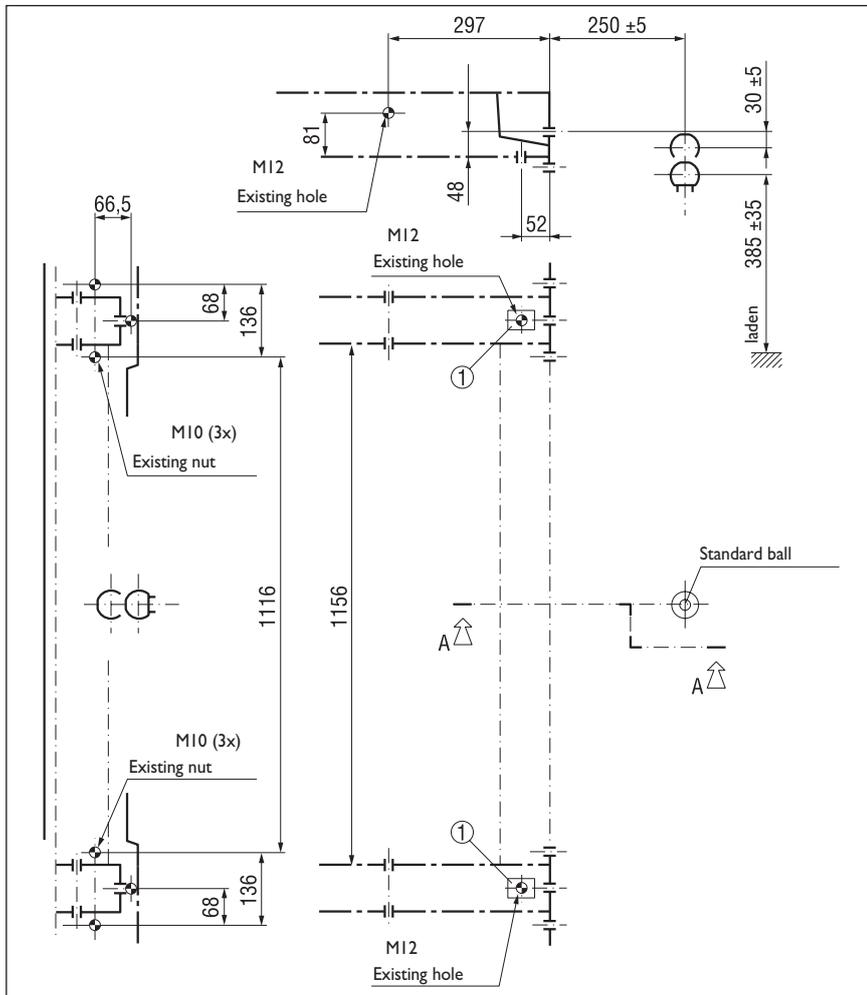


fig. 156

F0N0189m

Installation diagram for Van versions – fig. 156

The tow hook structure must be fastened in the points shown by the symbol  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, the screw holes must be sealed to prevent exhaust gas leaks.

To install a tow hook, the bumpers must be trimmed as described in the supplier’s installation kit.

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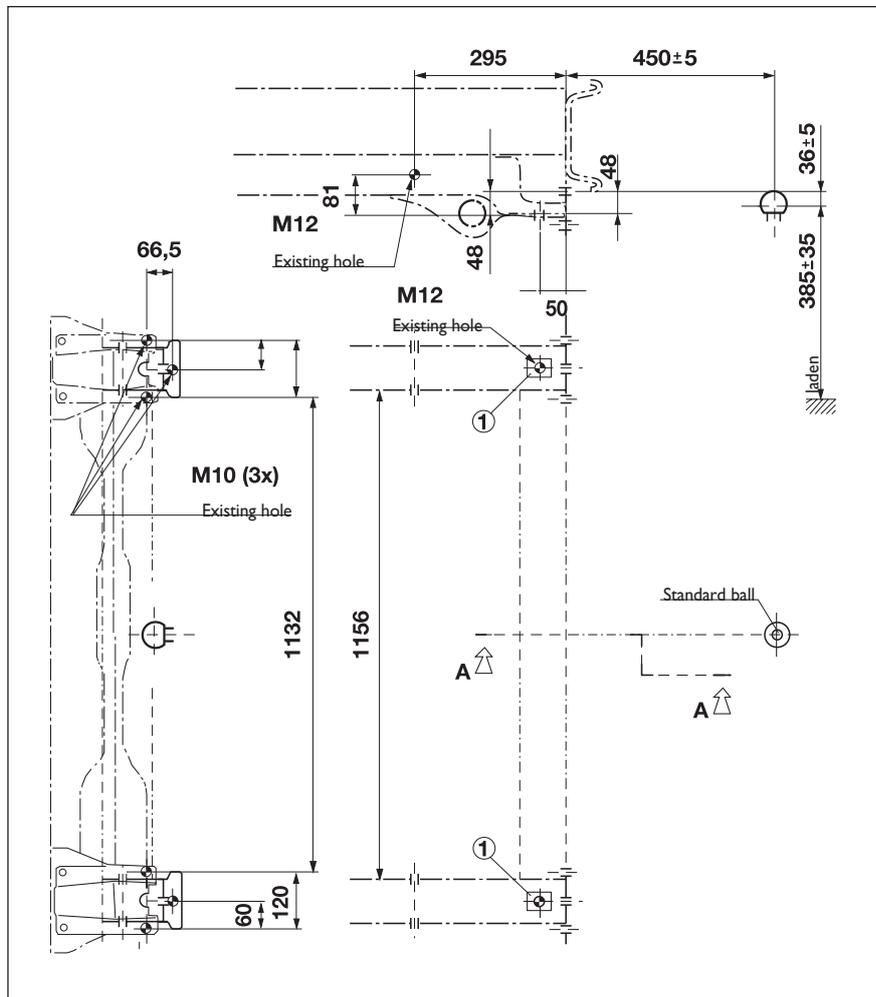


fig. 157

Installation diagram for Truck and Chassis Cab versions – fig. 157

Another tow hook specific to Truck and Chassis Cab versions is shown in fig. 157.

The structure  must be fastened in the points shown 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.

SNOW TYRES

Fiat Dealerships will be happy to provide advice concerning the most suitable type of tyres 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 snow tyre features, under normal conditions of use or on long motorway journeys, the performance of these tyres is much lower than that of standard tyres. Limit performance according to the use for which they were certified.

IMPORTANT When 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 better driveability. Remember that it is inappropriate to change the rotation direction of tyres.



WARNING

The max speed for snow tyres with "Q" marking is 160 km/h; 190 km/h for tyres with "T" marking and 210 km/h for tyres with H marking. The Highway Code speed limits must however be always strictly observed.

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 drive wheels which could cause the chains to break resulting in damage to the car body or mechanical components.

IMPORTANT Use reduced-size snow chains.



WARNING

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



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LONG 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, possibly, well-ventilated place;
- engage a gear;
- check that the handbrake is not engaged;
- disconnect the negative battery terminal and check battery charge. Repeat this check once every three months during storage. Recharge if the optical indicator shows a dark colour without the central green area (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 commercially-available compounds;
- 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 a pressure of +0.5 bar above the normal specified pressure and check it at intervals;
- if you don't disconnect the battery from the electric system, check its charge every month and recharge it if the optical indicator shows a dark colour without the central green area;
- do not drain the engine cooling system.

IMPORTANT If the vehicle is equipped with an alarm system, switch off the vehicle alarm with the remote control.

WARNING LIGHTS AND MESSAGES

WARNING LIGHTS AND MESSAGES

GENERAL WARNINGS

The turning on of the warning light is accompanied by a specific message and/or buzzer sound where provided by instrument panel. These indications are brief and precautionary and as such must not be considered as exhaustive and/or an 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 Failure indications displayed are divided into two categories: very serious and less serious failures.

Very serious failures prompt a prolonged cycle of signals.

Less serious failures prompt a shorter cycle of signals.

Press **MODE** to stop the warning cycle in both cases. The instrument panel warning light will stay on until the cause of the failure is eliminated.

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



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

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

Low brake fluid level

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

On some versions the display shows the dedicated message.



WARNING

If the warning light (ⓘ) turns on when travelling (on certain versions together with the message on the display) stop the car 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 moving the buzzer will also sound.

IMPORTANT If the warning light turns on when travelling, check that the handbrake is not engaged.

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AIRBAG FAILURE (red)

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

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

On some versions the display shows the dedicated message.

The warning light  for airbag fault comes on if the warning light  for passenger's bag deactivation is faulty.



WARNING

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



HOT ENGINE COOLANT (red)

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

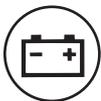
The warning light turns on when the engine is overheated.

If the warning light comes on, proceed as follows:

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

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

If the warning light stays on constantly or keeps flashing: contact immediately Fiat Dealership.



LIGHT STAYS ON: LOW ENGINE OIL PRESSURE (red)

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

When the ignition key is moved to MAR-ON, the warning light switches on, and should go out as soon as the engine is started.

1. Low engine oil pressure

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



WARNING

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

2. Exhausted engine oil

(only Multijet versions with DPF)

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

If the warning light flashes, this does not mean that the vehicle is defective, but simply informs the driver that the oil needs to be changed as a result of regular vehicle use. If the oil is not changed, warning light will also come on and engine operation is limited to 3000 rpm when a second threshold is reached.

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



Engine oil must be replaced when warning light  starts blinking to avoid damage to the engine. 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.

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**WARNING**

Degraded engine oil should be replaced as soon as possible after the warning light comes on, and never more than 500 km after it first comes on.

If the above instructions are not complied with, the engine could be severely damaged and it may invalidate the warranty. Please note also that the switching on of this warning light does not depend on the oil quantity in the engine; when the warning light flashes, never add oil.

**INCOMPLETE DOOR/LOAD COMPARTMENT CLOSURE (red)**

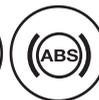
On some versions the warning light turns on when one or more doors or the tailgate are not properly closed.

On some versions, the display shows a dedicated message that indicates left/right front door or rear/load compartment door opening.

A buzzer will sound when doors/tailgate are open and the vehicle is moving.

**SEAT BELT NOT FASTENED (red)**

The warning light on the display will light up 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 audible warning can be disabled only by a Fiat Dealership. On some versions the system may be reactivated from the setup menu.

**EBD FAILURE (red) (amber)**

Warning lights (ⓘ) and (ABS) lit at the same time with the engine running, indicate an EBD system failure or that the system is not available. Early locking of the rear wheels may occur in the event of violent braking causing the car to swerve. Drive very carefully to a Fiat Dealership to have the system inspected immediately.

On some versions the display shows the dedicated message.



INJECTION SYSTEM FAILURE (amber)

In normal conditions, when the ignition key is moved to MAR-ON, the warning light turns on and should go off after engine start-up.

The warning light staying on or turning on when travelling, signals a fault in the supply/ignition system which could cause possible lack of performance, poor handling and high consumption levels.

On some versions the display shows the dedicated message.

Under these conditions, you may continue travelling at moderate speed without demanding excessive effort from the engine. Contact a Fiat Dealership as soon as possible.



FRONT PASSENGER'S AIR BAG DEACTIVATED (amber) (for versions/markets, where provided)

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

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

If the warning light  flashes to report a failure of the warning light , the passenger's protection is deactivated for markets where this feature is available, otherwise it remains on.



WARNING

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

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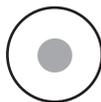


ABS SYSTEM FAILURE (amber)

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

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

On some versions the display shows the dedicated message.



FUEL RESERVE (amber)

Turning the key to the MAR-ON position illuminates the warning light, but it should switch off after a few seconds.

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



GLOW PLUG PRE-HEATING (Multijet versions – amber)

GLOW PLUG HEATING FAILURE (Multijet versions – amber)

Glow plugs

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

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

Glow plug warming failure

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

On some versions the display shows the dedicated message.



WATER IN DIESEL FILTER (Multijet versions – amber)

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

The warning light turns on when there is water in the diesel fuel filter.

On some versions the display shows the dedicated message.



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



VEHICLE PROTECTION SYSTEM FAILURE – FIAT CODE (amber)

Turning the key to MAR-ON the warning light will flash only once and then go off.

When the warning light comes on constantly, with key in MAR-ON, this indicates:

- a potential fault (refer to “The Fiat CODE system” paragraph in the section “Dashboard and controls”);
- a possible theft attempt with an alarm; in this case the warning light goes off 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 section “Dashboard and controls”).

Contact a Fiat Dealership to have all the keys reprogrammed.

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EXTERNAL LIGHT FAILURE (amber) (for versions/markets, where provided)

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

- side lights
- brake lights
- rear fog lights
- direction indicators
- reversing lights.

The failure relating to these lights could be: one or more blown bulbs, a blown protection fuse or a break in the electrical connection.

On some versions the display shows the dedicated message.



REAR FOG LIGHTS (amber)

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



GENERIC FAILURE INDICATION (amber)

The warning light turns on in the following circumstances.

Engine oil pressure sensor failure

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

Fuel cut-off switch tripped

The warning light comes on when the inertial fuel cut-off switch is triggered.

The display will show the dedicated message.

Parking sensor fault

The warning light comes on when a rain sensor failure is detected. Go to a Fiat Dealership.

The display shows the dedicated message.

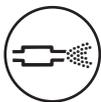
Rain sensor fault

See what is described for warning light P[▲].

Daylight failure (with multifunction display)

The warning light comes on when a daylight failure is detected.

The display shows the dedicated message.



DPF (PARTICULATE FILTER) CLEANING IN PROGRESS (amber) (only Multijet versions with DPF)

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

The warning light turns on constantly when the DPF system needs to eliminate the trapped pollutants through the regeneration process.

The warning light does not come on every time the DPF is being regenerated, rather only when the driving conditions are such that the driver needs to know it. 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.

Optimum conditions for completing the process are achieved by travelling at 60 km/h with engine revs above 2000 rpm.

If this warning light comes on, it does not mean the vehicle is defective, so there is no need to take it to a garage.

For versions/markets where provided, the display shows the dedicated message and the warning light comes on.



During regeneration, the fan could be operated.



WARNING

Always drive at a speed appropriate to the traffic conditions, the weather and speed limits. The engine can also be switched off if the DPF warning light is on; nevertheless, repeated interruptions of the regeneration process could cause an early decay of engine oil. For this reason, always wait until the warning light switches off before stopping the engine as described above. It is not advisable to complete DPF regeneration with the vehicle stationary.



ESP-ASR SYSTEM FAILURE/TRACTION PLUS (amber) (for versions/markets, where provided)

HILL HOLDER FAILURE (amber) (for versions/markets, where provided)

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

ESP-ASR system failure/TRACTION PLUS

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.

On certain versions the dedicated message is displayed.

N.B. The warning light flashing when driving indicates that the ESP system has been activated.

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Hill Holder 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.

On certain versions the dedicated message is displayed.

**WORN BRAKE PADS (amber)**

The warning light on the dial turns on if the front brake pads are worn; in this case have them changed as soon as possible.

On certain versions the dedicated message is displayed.

**PARKING SENSOR FAILURE (amber)**
(for versions/markets, where provided)

The warning light turns on when failure is detected in the parking sensors.

On some versions warning light \triangle turns on as an alternative.

Contact a Fiat Dealership.

On certain versions the dedicated message is displayed.

**DIPPED LOW HEADLAMPS (green)****FOLLOW ME HOME (green)****Dipped beam headlights**

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

Follow me home

The warning light will turn on when this device is active (see “Follow me home” in section “Dashboard and controls”).

The display will show a dedicated message.

**FRONT FOG LIGHTS (green)**

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

**LEFT-HAND DIRECTION INDICATOR (green – blinking)**

The warning light turns on when the direction indicator control lever is moved downwards or, together with the right indicator, when the hazard warning light button is pressed.



RIGHT-HAND DIRECTION INDICATOR (green – blinking)

The warning light turns on when the direction indicator control lever is moved upwards or, together with the left indicator, when the hazard light button is pressed.



CRUISE CONTROL (where provided) (green)

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

The warning light is lit up on the display by rotating the Cruise Control selector wheel to ON. On certain versions the dedicated message is displayed.



MAIN BEAM HEADLIGHTS (blue)

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



POWER STEERING FAILURE (red)

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

If the warning light stays on together with the message shown on the display and a buzzer, 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.

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SELF-LEVELLING SUSPENSION FAILURE (red) (for versions/markets where provided)

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

The warning light goes on when a fault is present in the self-levelling suspension system.



AUTOMATIC TRANSMISSION FAILURE/MAXIMUM TRANSMISSION OIL TEMPERATURE (red) (for versions/markets where provided)

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

The warning light on the dial comes on flashing (along with the display of the message and a buzzer) when a transmission failure is detected.

The warning light on the dial comes on constantly (along with the display of the message and a buzzer) 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 will show the dedicated message to warn the driver that the vehicle's range is less than 50 km.

SPEED LIMIT EXCEEDED

The display shows the dedicated message when the vehicle exceeds the set speed limit (see "Multifunction Display" in section "Dashboard and controls").

SCHEDULED MAINTENANCE

(for versions/markets where provided)

The display shows the dedicated message next to the scheduled servicing warning and stays on until the deadline is reached. The warning light goes off after the service has been carried out at a Fiat Dealership or after 1000 km have been covered at the service deadline.

DAYLIGHT FAILURE (with reconfigurable multifunction display)

The display shows the dedicated message along with the external light fault icon when a daylight failure is found.

IN AN EMERGENCY

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

STARTING THE ENGINE

EMERGENCY STARTING

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

JUMP STARTING fig. 157-158

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.



WARNING

This procedure must be performed by expert personnel because incorrect actions may cause electrical discharge of considerable intensity. Furthermore, battery fluid is poisonous and corrosive: avoid contact with your skin and eyes. Keep naked flames away from the battery. No smoking. Do not cause sparks.

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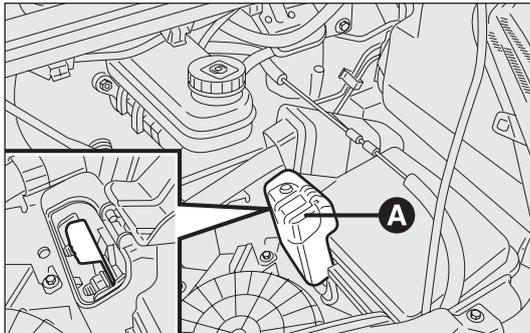


fig. 157

F0N0075m

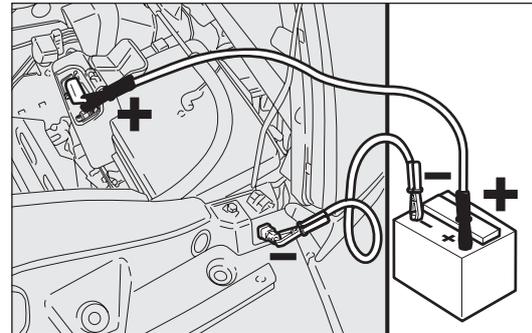


fig. 158

F0N0076m

Proceed as follows to start the car:

- raise the flap A to gain access to the positive battery terminal fig. 157.
- connect the positive terminals (+ sign near the terminal) of the two batteries with a jump lead;
- connect the negative terminal (-) of the auxiliary battery to the earth point with a second cable as shown in fig. 158;
- Start the engine;
- when the engine has been started, follow the sequence above in reverse order to remove the leads.

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

IMPORTANT Do not directly connect the negative terminals of the two batteries: any sparks may ignite the explosive gas which could come out of the battery. If the auxiliary battery is installed on another vehicle, prevent 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 a flow of fuel into the catalytic converter and damage it beyond repair.

IMPORTANT Remember that the brake servo and the power steering system are not activated until the engine is started, a greater effort will therefore be required to press the brake pedal or turn the steering wheel.

REPLACING A WHEEL

GENERAL INSTRUCTIONS

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 (for versions/markets where provided) is specific for your vehicle. Therefore, it must not be used on vehicles of a different model. Do not use spare wheels of different models on your vehicle. The wheel bolts are specific to your vehicle: do not use them on other models and do not use bolts of other models.



WARNING

Repair and refit the standard wheel as soon as possible. Do not apply grease to the bolt threading before assembly: they might come unscrewed.



WARNING

The jack may only be used to replace wheels on the car which it equips or other cars of the same model. Never use the jack for other purposes, such as lifting other car models. Never use the jack to carry out repairs under the 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 inflation 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.

Please note that:

- the jack weight is 4.5 kg;
- the jack requires no adjustment;
- the jack cannot be repaired. If it breaks it must be replaced with a new jack;
- no tool other than its cranking device may be fitted on the jack.



WARNING

No tools other than the crank provided should be used with the spare wheel lifting device; it should be operated by hand only.

To change a wheel proceed as follows:

- stop the vehicle in a position where it does not pose a danger for on-coming traffic and where you can replace the wheel safely. The ground must be flat and sufficiently compact;
- turn the engine off and pull up the handbrake;
- engage first gear or reverse;
- wear the reflecting safety jacket (compulsory by law in certain countries) before getting out of the vehicle;

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- indicate that the vehicle has broken down using the devices required by the regulations 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 “Dashboard and Controls” section);
- for versions with alloy jacks, 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. 159. For short wheelbase versions with retractable footboard, the jack must be positioned at the lift point shown in fig. 160 aligned (45°) so that it does not interfere with the retractable footboard;

- warn anybody nearby that the vehicle is about to be lifted. They must stay clear and not touch the vehicle until it is back on the ground. Lift the vehicle.

After lifting the vehicle:

- for all versions, when gaining access through the vehicle’s rear right wheel arch, adjust the screw A-fig. 161 for the spare wheel retaining device, using the spanner provided with the extension/adaptor B;

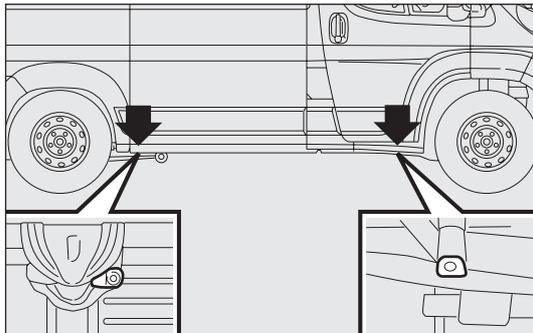


fig. 159

FON0193m

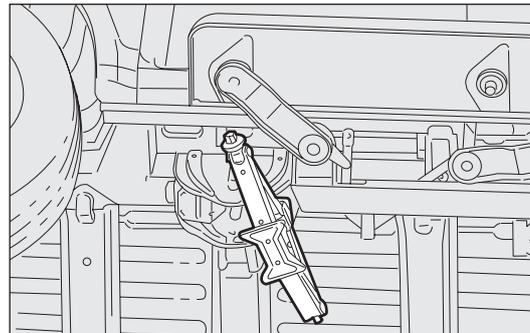


fig. 160

FON0194m

- ❑ turn wrench C-fig. 162 anticlockwise 1 to allow the lowering of the spare wheel.
- ❑ continue turning anticlockwise until the stop point, signaled by the stiffening of the manoeuvre or a click from the clutch present in the device.

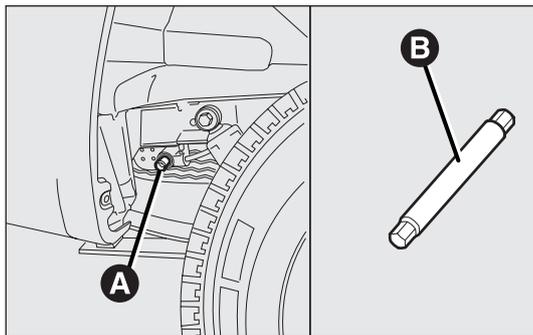


fig. 161

F0N0835m

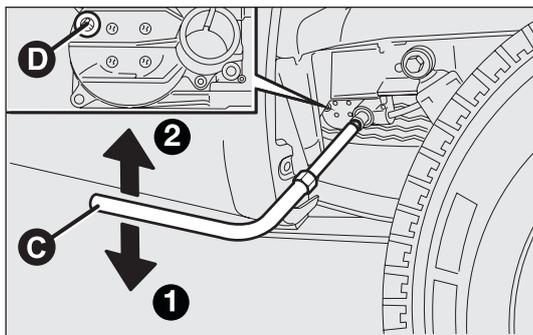


fig. 162

F0N0836m



WARNING

The device should only be operated by hand, without using any type of tool other than the crank provided like pneumatic or electrical screwers.

- ❑ use the wheel dismantling spanner to remove the wheel from the vehicle fig. 163;
- ❑ undo the retaining knob D-fig. 164 and release the wheel releasing the support E.



WARNING

The moving components of the jack (screws and joints) can also cause injuries: avoid touching them. In the event of soiling with the lubricating grease, clean thoroughly;

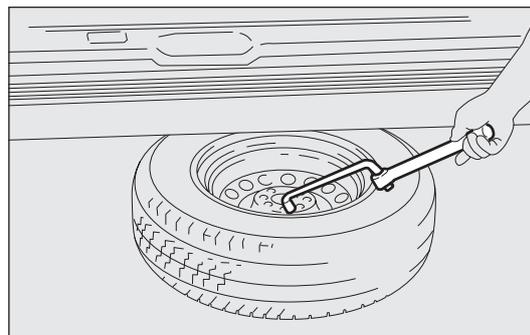


fig. 163

F0N0165m

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- fully unscrew the bolts using wrench F-fig. 165 and remove the wheel;
- fit the spare wheel, aligning holes G-fig. 166 with the pins H. When fitting the spare wheel, ensure that the wheel support surfaces are clean and free of impurities that could later cause the bolts to loosen;
- tighten the 5 fixing bolts;
- use the wheel removal wrench to lower the vehicle and remove the jack;
- fully tighten the bolts, passing alternately from one bolt to the opposite one, following the order illustrated in fig. 166.

After tyre replacement:

- take the removed wheel, re-attach to the mount E-fig. 164 and tighten the knob D;

- introduce the supplied wrench C-fig. 162 with the suitable extension B-fig. 161 on the screw A-fig. 161 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. 162 appears in the window on the device.

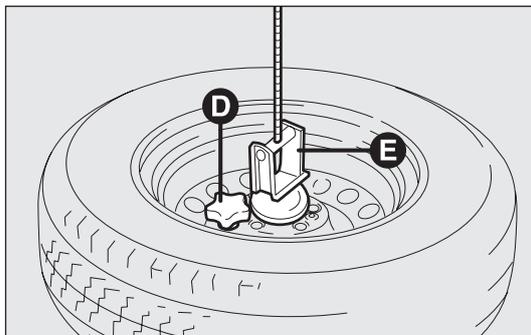


fig. 164

FON0370m

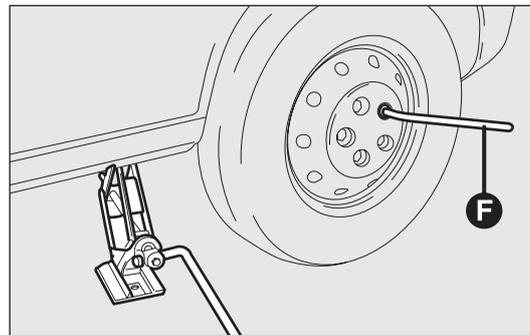


fig. 165

FON0167m

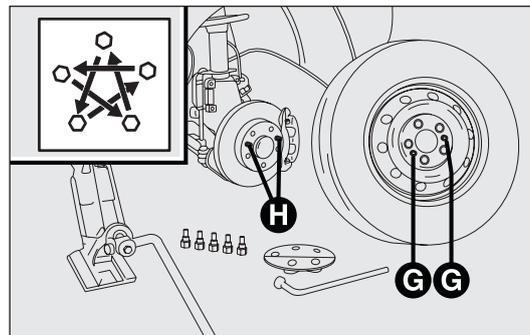


fig. 166

FON0168m



WARNING

At the end of the operation of raising/locking the spare wheel, the key must be extracted, taking care not to turn it in the wrong direction to facilitate the extraction of the key itself, to prevent the attachment device from being released and the wheel assembly not being securely retained fig. 167.

For vehicles with alloy rims, proceed as follows:

- take the kit from the tool box;
- fit plate A-fig. 168 to the alloy wheel, securing with screws B provided, using the supplied wrench;

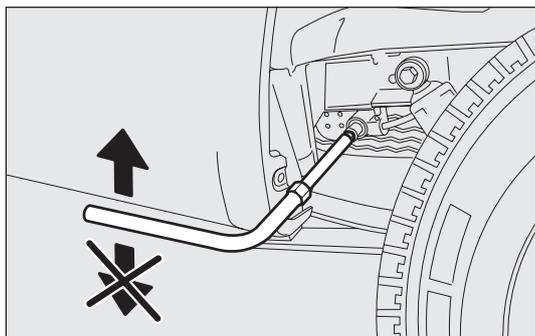


fig. 167

FON0837m

- refit the wheel to the mounting, turn to the end of the slot (as shown in fig. 169) and tighten the knob D;

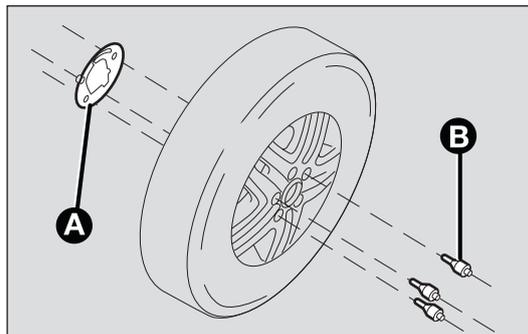


fig. 168

FON0251m

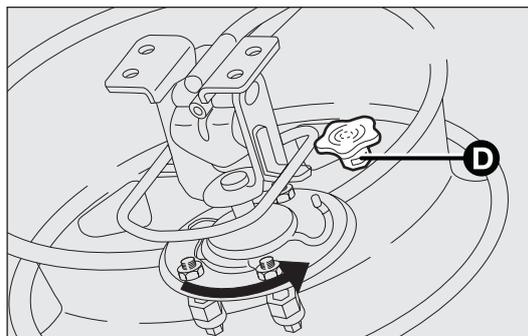


fig. 169

FON0371m

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- introduce the supplied wrench C-fig. 162 with the suitable extension B-fig. 161 on the screw A-fig. 161 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. 162 appears in the window on the device.
- 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 spanner 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.

Automatic FIX&GO QUICK TYRE REPAIR KIT

(for versions/markets where provided)

The automatic tyre Fix & Go repair kit is positioned at the front of the vehicle passenger compartment and includes:

- cylinder 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 dashboard) after repairing the tyre;
- instruction brochure (see fig. 171), to be used for prompt and proper use of the quick repair kit and then to be handed to the personnel charged with handling the treated tyre;

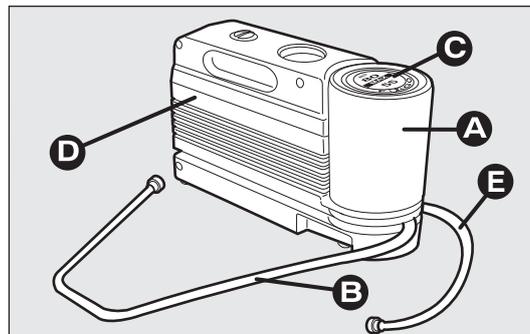


fig. 170

F0N0825m

- compressor D-fig. 171 including pressure gauge and connections;
- adapters for inflating various elements;
- protective gloves.



WARNING

Hand the leaflet over to the staff who have to manage the tyre treated using the tyre repair kit.



In the case of a puncture, caused by a foreign body, tyres that have suffered damage up to a maximum diameter of 4 mm on the tread or the shoulder can be repaired.



fig. 177

FON0178m



WARNING

The kit cannot be used to repair damage to the tyre sidewall. Do not use the quick repair kit if the tyre is damaged as the vehicle has run on a flat tyre.



WARNING

If the wheel rim is damaged (bad groove distortion causing air leakage) it cannot be repaired. Do not remove the foreign body (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 $+50^{\circ}\text{C}$.

The sealing fluid will expire.



WARNING

Do not operate the compressor for longer than 20 consecutive minutes. Risk of overheating. The quick repair kit is not suitable for definitive repairs. Tyres may only be repaired temporarily.

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**WARNING**

The cylinder contains ethylene glycol. Contains latex: may cause an allergic reaction. Harmful if swallowed. Eye irritant. May cause sensitisation on inhalation or 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 bottle in the specific compartment, away from sources of heat. The sealant fluid has a limited life.



Replace the bottle containing out of date sealant fluid. Dispose of the bottle and the sealant liquid properly. Dispose according to the national and local regulations in force.

INFLATION PROCEDURE**WARNING**

Put on the protective gloves provided together with quick tyre repair kit.

- Apply the handbrake. Unscrew the tyre valve cap, take out the transparent filler pipe A-fig. 172 and tighten the ring nut B on the tyre valve;
- Insert the pin E-fig. 174 in the nearest 12 V power socket and start the engine. Turn the selector D-Fig. 173 anticlockwise to the repair position. Activate the kit by pressing the on/off switch. Inflate the tyre to the pressure prescribed in the "Inflation pressure" paragraph, in the "Technical Specifications" section.

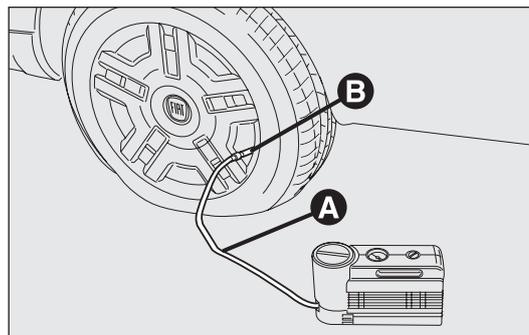


fig. 172

F0N0826m

For a more accurate reading, it is advisable to check the pressure reading on the pressure gauge F-fig. 173 with the compressor off and without moving the centre selector from the repair position;

- if a pressure of at least 3 bar is not reached within 10 minutes, detach the transparent filler pipe from the valve and switch off the 12 V current pin, then move the vehicle about 10 metres forward to distribute the sealant liquid inside the tyre and repeat the inflation operation;
- if after this operation it is still not possible to reach at least 3 bar after 10 minutes, do not start driving since the tyre is excessively damaged and the fast tyre repair kit cannot guarantee adequate hold. Contact a Fiat Dealership;
- if the tyre reaches the pressure specified in the “Inflation pressure” paragraph in the „Technical Specifications“ chapter, start driving immediately;

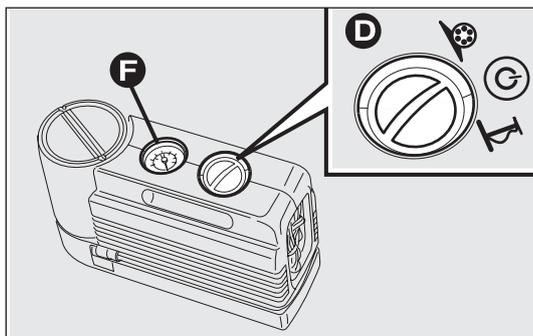


fig. 173

F0N0827m



WARNING

Apply the adhesive label in a position clearly visible by the driver as a reminder that the tyre has been treated with the quick repair kit. Drive carefully, particularly on bends. Do not exceed 80 km/h. Do not accelerate and brake suddenly.

- After driving for about 10 minutes stop and check the tyre pressure again; pull up the handbrake.



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.

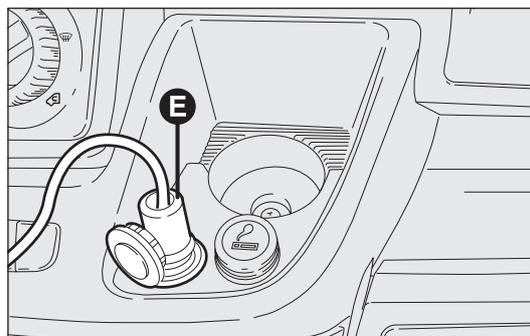


fig. 174

F0N0182m

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- If at least 3 bar pressure is read, restore the correct pressure specified in the paragraph „Inflation pressure“ in the „Technical Specifications“ section (with engine running and handbrake on) and restart.
- drive with the utmost care to the nearest Fiat Dealership.

**WARNING**

You must inform the dealership that the tyre has been repaired using the quick tyre repair kit. Hand the leaflet over to the staff who will be dealing with the the tyre treated using the tyre repair kit.

**WARNING**

If different tyres from the ones supplied with the vehicle are used, the repair cannot be carried out. If the tyres are replaced, it is advisable to use those approved by the manufacturer. Contact a Fiat Dealership .

FOR CHECKING AND RESTORING PRESSURE ONLY

The compressor can be also used solely for restoring pressure.

- Engage the handbrake

- Undo the cap for the tyre valve, extract the pipe C-fig. 175 with the quick connector and connect it directly to the valve of the tyre to be inflated.
- Insert the pin 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.

NOTE If the tyre has to be deflated, press the dedicated button B illustrated in fig. 176. 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 restoring position.

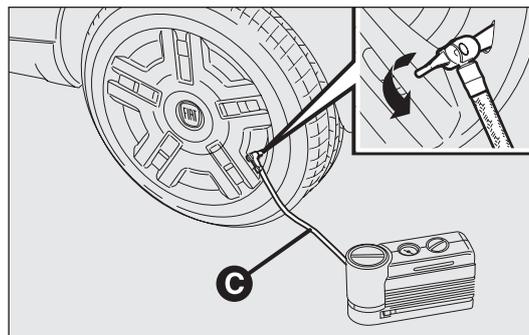


fig. 175

F0N0828m

CYLINDER REPLACEMENT PROCEDURE

To replace the bottle, proceed as follows:

- press button A-fig. 177 to release the replacement part;
- fit the new cylinder and press until it is automatically engaged.

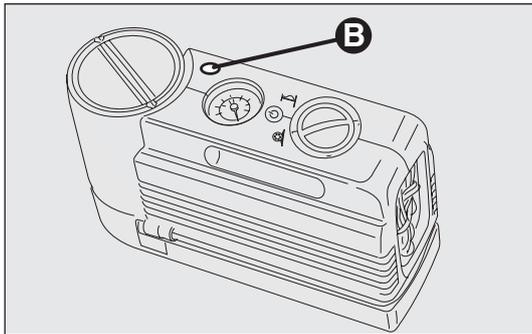


fig. 176

F0N0830m

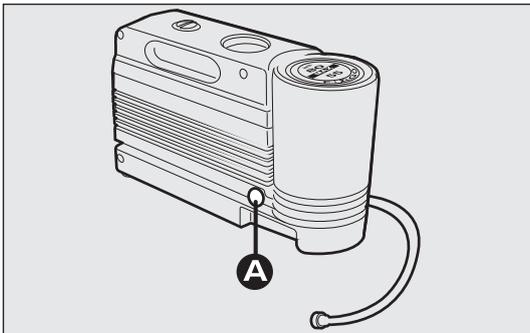


fig. 177

F0N0829m

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 "If a fuse blows" in this section;
- before changing a bulb check the contacts for oxidation;
- burnt bulbs must be replaced by others of the same type and power;
- always check the height of the headlight beam after changing a bulb for safety reasons.



Halogen bulbs must be handled holding the metallic part only. Touching the transparent part of the bulb with your fingers may reduce the intensity of the light emitted and even compromise the life of the bulb itself. In the event of accidental contact, rub the bulb with a cloth dampened with alcohol and let it dry.

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**WARNING**

Changes or repairs to the electrical system (electric control units) carried out incorrectly and without due consideration for the technical specifications of the system can lead to malfunctioning and generate a fire hazard.

**WARNING**

Halogen lamps contain gas under pressure. Their breaking can cause scattering of glass fragments.

IMPORTANT The headlight inner surface might be slightly misted: this should not be considered irregular rather a natural phenomenon due to low temperature and the air humidity level. Misting will disappear as soon as the headlights are turned on. The presence of drops inside the headlights indicates infiltration of water. Contact a Fiat Dealership.

BULB TYPES fig. 178

Various types of bulbs are fitted to your vehicle.

- A Glass bulbs: clipped into position. Pull to extract.
- B Bayonet type bulbs: to remove this type of bulb from its holder, press the bulb and turn it anticlockwise.

- C Tubular bulbs: release them from their contacts to remove.
- D-E Halogen bulbs: to remove the bulb, release the clip holding the bulb in place.

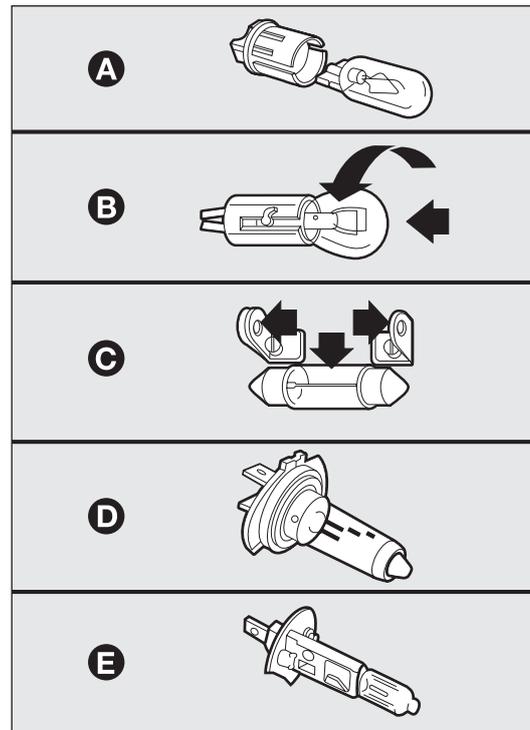


fig. 178

FON0078m

Bulbs	Re. fig. 178	Type	Power
Main beam headlamps	D	H1	55W
Main beam headlamps/daytime lights (□)	D	H15	15/55W
Dipped headlamps	D	H7	55W
Front sidelights	A	W5W	5W
Front fog lights (□)	–	H1	55W
Front direction indicators	B	PY21W	21W
Side turn signal indicators	A	W16WF(*)/WY5W(▼)	16W(*)/5W(▼)
Rear direction indicators	B	PY21W	21W
Side marker lights	A	W5W	5W
Side/taillights	B	P21/5W	5W
Brake lights	B	P21/5W	5W
Third brake light (additional brake light)	B	P21W	21W
Reverse lights	–	P21W	21W
Rear fog lights	–	P21W	21W
Rear fog lights (Maxi van)	–	P21W	21W
Number plate lights	A	C5W	5W
Front ceiling light with movable lens	C	12V10W	10W
Rear ceiling light	C	12V10W	10W

(*) XL and recreational versions

(▼) all other versions

(□) (for versions/markets where provided)

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REPLACING EXTERIOR BULBS

For the type of bulb and power rating, see “Changing a bulb”.

FRONT LIGHT CLUSTERS

The front light clusters contain sidelights, dipped beam, main beam and direction indicator bulbs.

The bulbs are arranged inside the light cluster as follows, fig. 179:

- A direction indicators
- B side lights/dipped beams (double light)
- C main beam headlights/daytime lights

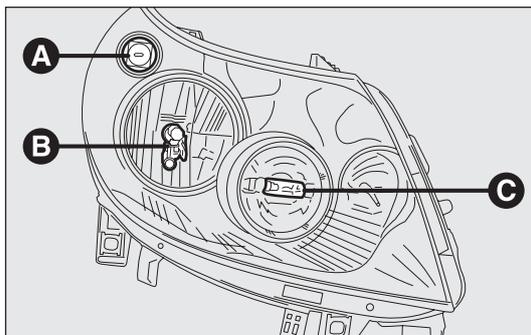


fig. 179

F0N0079m

To replace the main beam bulb/daytime lights, remove plug C-fig. 180.

To replace the dipped beam/side light bulb, remove plug B-fig. 180.

To replace the direction indicator bulb, remove bulb holder A-fig. 180.

After replacement, refit the covers correctly, ensuring that they are locked in place.

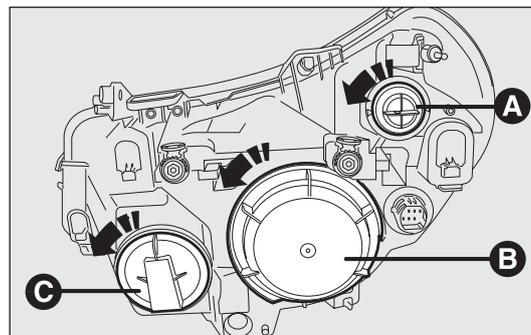


fig. 180

F0N0080m

SIDE LIGHTS

To change the bulb, proceed as follows:

- remove protective cover B-fig. 180 by turning anticlockwise;
- remove snap-fitted bulb holder A-fig. 181, remove the bulb B and replace it;
- refit the snap-fitted bulb holder A-fig. 181;
- refit protective cover B-fig. 180 by turning it clockwise, making sure to lock it correctly.

MAIN BEAM HEADLIGHTS

To change the bulb, proceed as follows:

- remove protective cover C-fig. 180 by turning it anticlockwise;
- disconnect the electrical connector A-fig. 182;

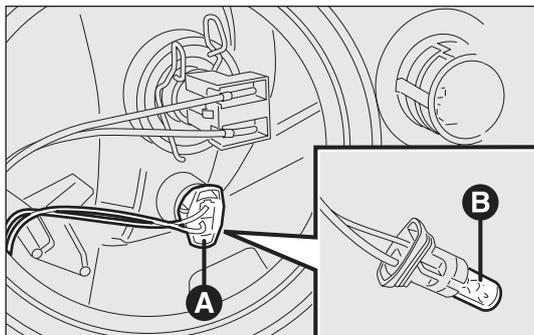


fig. 181

F0N0082m

- release the bulb holding clip 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. Then reconnect the bulb holder clip A and reattach electrical connector B;
- refit protective cover C-fig. 180 by turning it clockwise, making sure to lock it correctly.

MAIN BEAMS/DAYTIME LIGHTS

(for versions/markets where provided)

To change the bulb, proceed as follows:

- remove the protection cover C-fig. 180 by turning counter-clockwise;
- disconnect the electrical connector A-fig. 183;

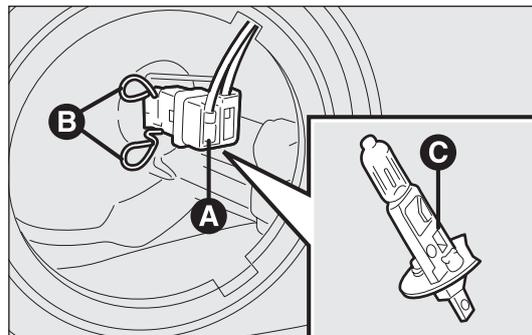


fig. 182

F0N0083m

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- rotate the bulb holder B-fig. 183 counter-clockwise and take out 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.

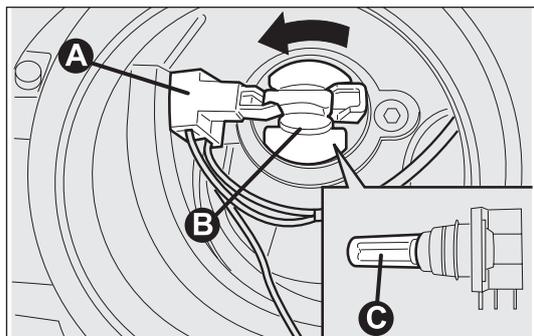


fig. 183

F0N0517m

DIPPED BEAM HEADLIGHTS

With incandescent bulbs

To change the bulb, proceed as follows:

- remove protective cover B-fig. 180 by turning it anticlockwise;
- disconnect the electrical connector A-fig. 184;
- release the bulb holding clip 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. Then reconnect the bulb holder clip B and reattach electrical connector A;
- refit the protective cover by turning it clockwise making sure to lock it correctly;

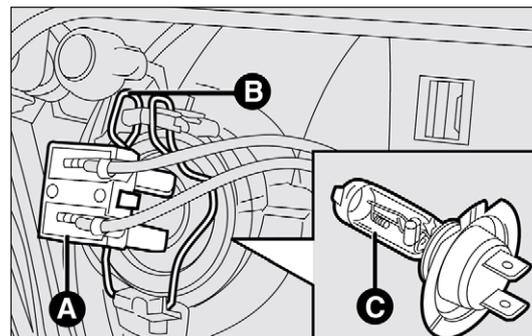


fig. 184

F0N0084m

DIRECTION INDICATORS

To change the bulb, proceed as follows:

- ❑ turn the bulb holder A-fig. 185 anticlockwise and pull it out;
- ❑ remove the bulb by pushing it slightly and turning it anticlockwise (bayonet mount);
- ❑ replace the bulb;
- ❑ refit the bulb holder by turning it clockwise making sure to lock it correctly.

Side lights fig. 186-187

To change the bulb, proceed as follows:

- ❑ move the mirror manually to access the two fixing screws A;

- ❑ using a Philips screwdriver, undo the screws and extract the bulb holder assembly releasing it from the teeth.
- ❑ undo the bulb and replace bulb B by turning it anticlockwise.

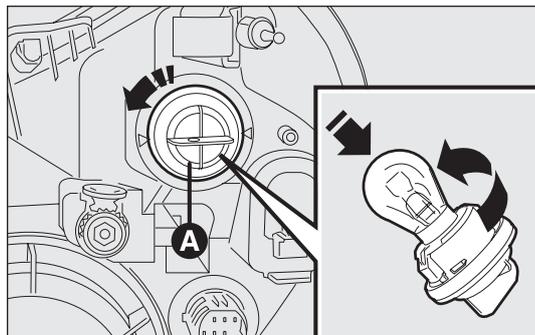


fig. 185

FON0081m

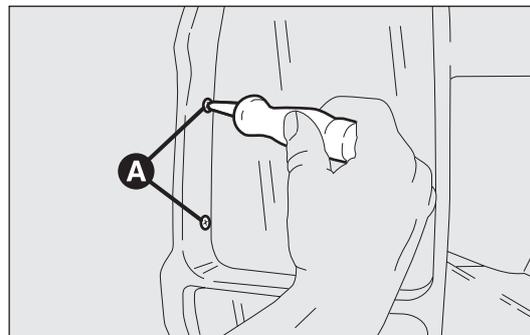


fig. 186

FON0169m

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FRONT FOG LIGHTS

(for versions/markets, where provided)

To replace the front fog light bulbs A-fig. 188 proceed as follows:

- steer fully to the left;
- open the flap on the front wheel compartment guard, unscrewing the self-tapping screw;
- remove the bayonet cap;
- disconnect the connector;

- release the bulb holding clip;
- 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. Then reconnect the bulb holder clip and reattach the electrical connector;
- refit the bayonet cap.

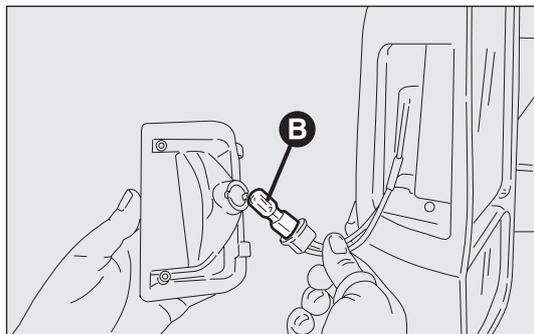


fig. 187

F0N0170m

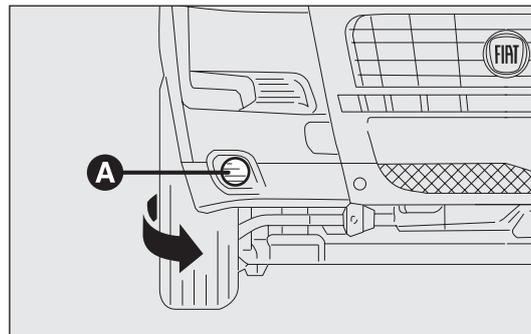


fig. 188

F0N0339m

REAR LIGHT CLUSTERS

The bulbs are arranged inside the light cluster as follows, fig. 189:

- A brake/side lights
- B direction indicators
- C reversing lights
- D rear fog lights (for Maxi Van versions, the rear fog lights are integral with the bumpers, see paragraph "Maxi Van rear fog lights").

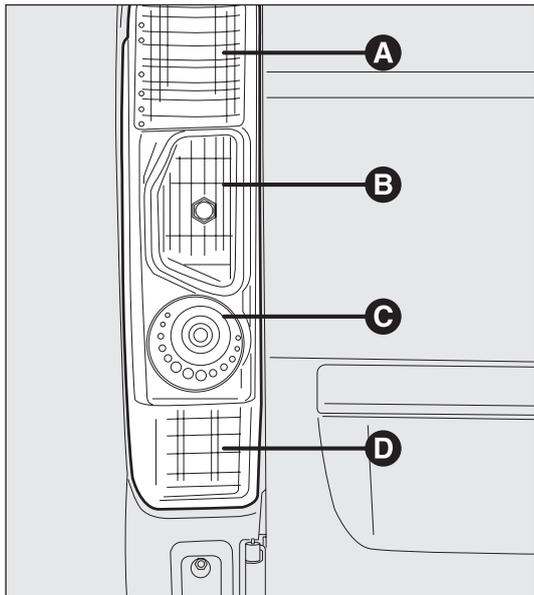


fig. 189

F0N0086m

Proceed as follows to replace a bulb fig. 190:

- 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;
- undo the screws C-fig. 191 using the screwdriver provided and remove the bulb holder;

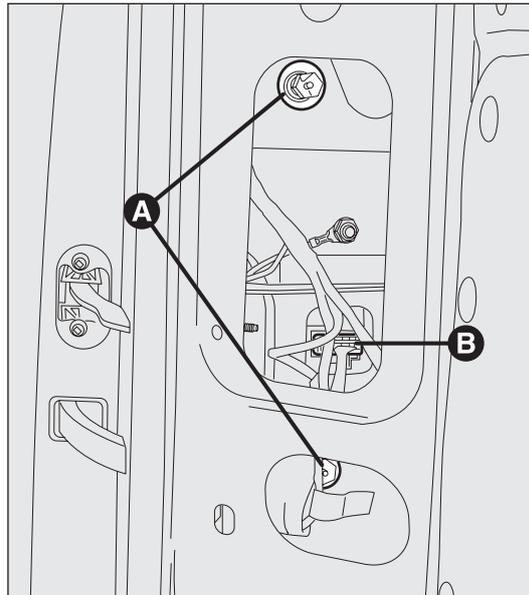


fig. 190

F0N0087m

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- 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 electric connector B, suitably refit the unit to the car body and then tighten the fastening screws A.

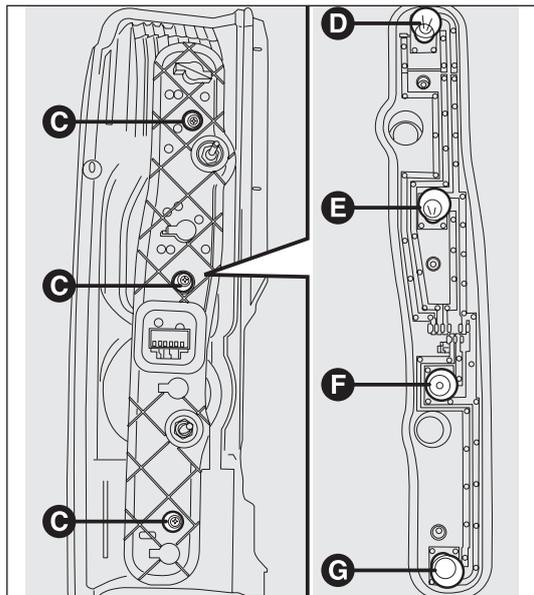


fig. 191

F0N0088m

For truck and chassis cab versions:

undo the four screws H-fig. 192 and replace the bulbs:

- I bulb for rear fog light (left side); bulb for reversing light (right side).
- L bulb for side light
- M bulb for brake light
- N bulb for direction indicator.

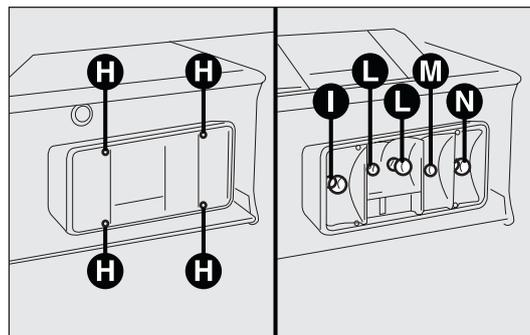


fig. 192

F0N0239m

REAR FOG LIGHTS (Maxi Van)

To change the bulb proceed as follows:

- ❑ take up position at the rear of the side bumper;
- ❑ unscrew the lower fastening A between the central and side bumpers fig. 193;
- ❑ after removing the tail-light, unscrew upper fastening B;
- ❑ unscrew both fastenings C-fig. 194 on the side of the accessible rear swing door and open the door slightly;
- ❑ unscrew the three side fastenings D on the panel side, accessible after removing the side mounting fig. 194. To remove the moulding, undo the three lower self-tapping screws and undo the pins with care to avoid breaking them. If you break one or more pins, they will have to be replaced;

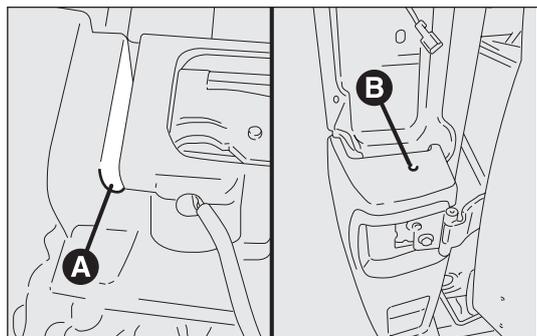


fig. 193

FON0241m

- ❑ remove the bulb holder;
- ❑ turn bulb holder E anticlockwise (1/8 of a turn), remove the bayonet bulb by pushing gently and turning anticlockwise, then replace fig. 195.

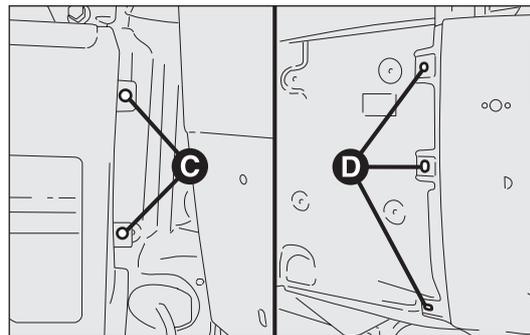


fig. 194

FON0242m

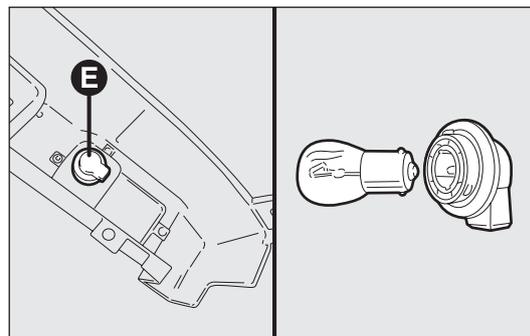


fig. 195

FON0243m

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THIRD BRAKE LIGHT fig. 196-197

To change the bulb proceed as follows:

- unscrew both fixing screws A-fig. 196;
- remove the lens unit;

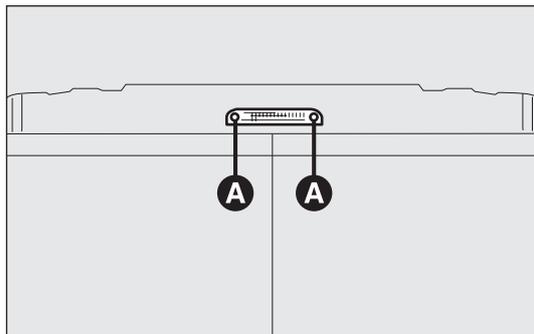


fig. 196

F0N0141m

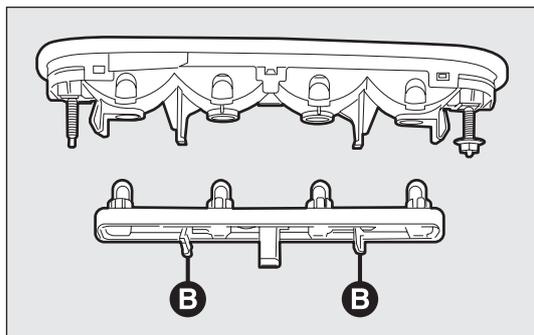


fig. 197

F0N0142m

- press the tabs in the opposite direction B-fig. 197 and remove the bulb holder;
- remove the snap-fitted bulb and replace it.

NUMBER PLATE LIGHTS fig. 198

To change the bulb proceed as follows:

- apply pressure to the point shown by the arrow and remove lens unit A;
- 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.

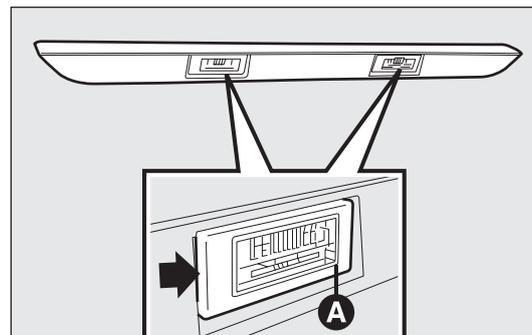


fig. 198

AF0N0089m

SIDE LIGHTS

(for versions/markets where available)

To change the bulb proceed as follows:

□ for extra-long van:

- undo both fixing screws C-fig. 199 and remove the light;
- remove the bulb-holder D on the rear of the light, turning through 1/4 turn;
- remove the snap-fitted bulb and replace.

□ for chassis cabs with platform:

- remove bulb-holder on the rear of the light, turning through 1/4 turn;
- remove the snap-fitted bulb and replace.

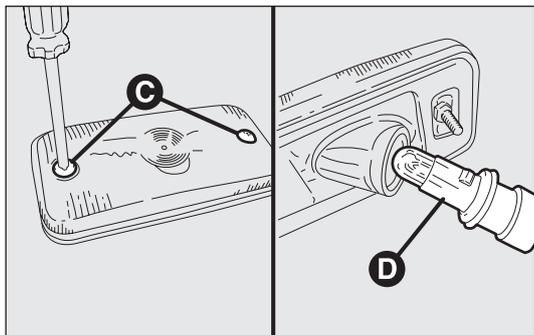


fig. 199

F0N0244m

CHANGING AN INTERIOR LIGHT

For the type of bulb and relevant power rating, see “Changing a bulb”.

FRONT CEILING LIGHT

Proceed as follows to replace the bulbs:

- work in the points shown by the arrows and remove light A-fig. 200;

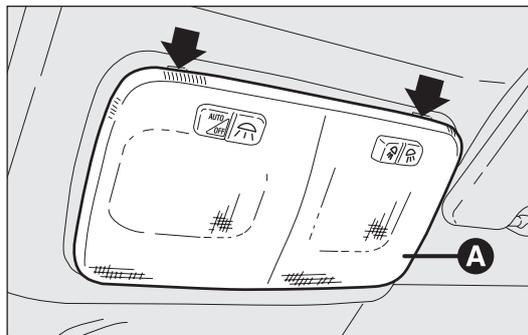


fig. 200

F0N0090m

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- open the protective flap B-fig. 201;
- replace bulbs C-fig. 201 releasing them from the side contacts; make sure that new bulbs are correctly clamped between the contacts;
- close the flap B-fig. 201 and secure the ceiling light A-fig. 200 in its housing locking it properly.

REAR COURTESY LIGHT

Proceed as follows to replace the bulbs:

- work in the points shown by the arrows and remove the ceiling light D-fig. 202;
- open the protective flap E-fig. 203;
- replace bulb F-fig. 203 by releasing it from the side contacts and making sure that the new bulb is correctly clamped between these contacts;

- re-close the protection lid E-fig. 203 and secure roof light D-fig. 202 into its housing, locking it correctly.

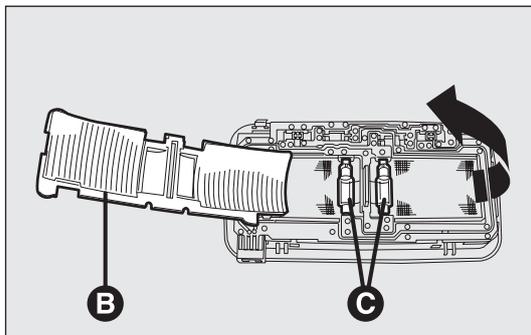


fig. 201

F0N0091m

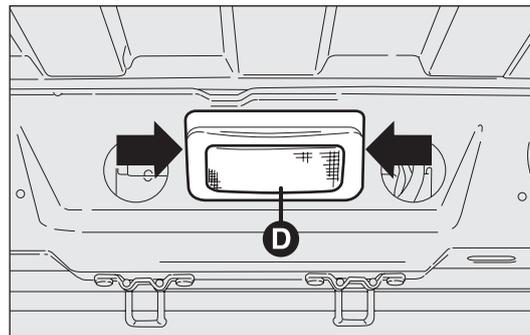


fig. 202

F0N0092m

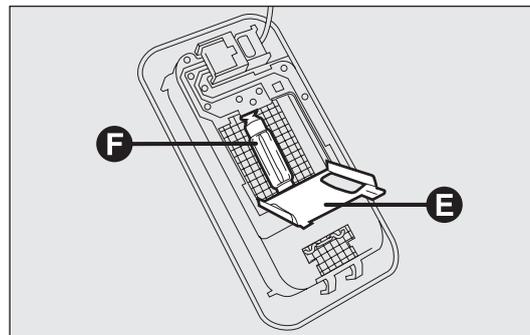


fig. 203

F0N0093m

REPLACING FUSES

GENERAL INFORMATION

Fuses protect the electric system: they cut in (i.e. they blow) in the event of a failure or improper action on the system.

Check the state of the corresponding fuse when a device does not work: the filament A-fig. 204 must be intact. If it is not, replace the blown fuse with another with the same amperage (same colour).

- B intact fuse;
- C fuse with damaged filament.

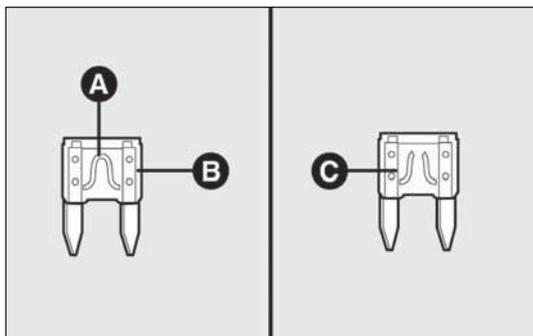


fig. 204

F0N0094m



Never replace a blown fuse with metal wires or other recovered material.



WARNING

Never replace a fuse with another of higher amp rating; FIRE HAZARD.



WARNING

If a general protection fuse (MEGA-FUSE, MIDI-FUSE, MAXI-FUSE) is blown, contact a Fiat Dealership. 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.

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**WARNING**

If a general protection fuse for safety systems (air bag system, braking system), power unit systems (engine system, gearbox system) or steering system blows, contact a Fiat Dealership.

ACCESSING THE FUSES

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 fusebox fig. 206, loosen the screws A-fig. 205 and remove the cover.

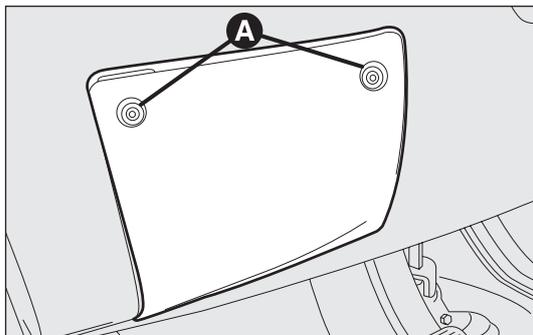


fig. 205

FON0095m

Engine compartment fuse box

To gain access to the fuse box, fig. 208, remove the protective cover fig. 207.

Right central pillar optional fuse box
(for versions/markets, where provided)

To gain access to the fuse box, fig. 210, remove the protective cover fig. 209.

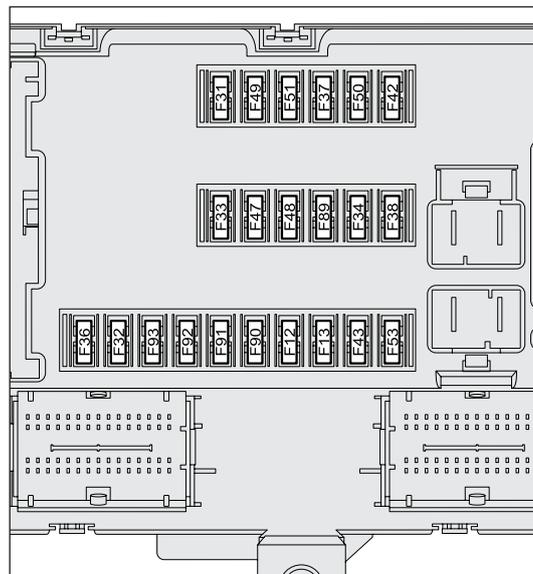


fig. 206

FON0513m

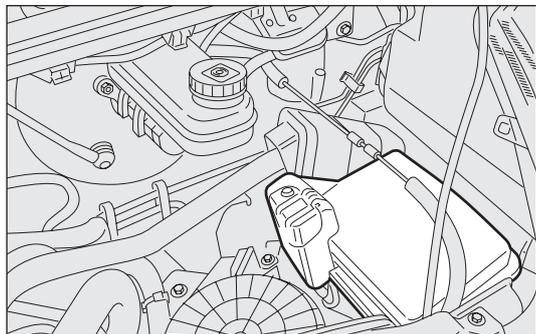


fig. 207

F0N0098m

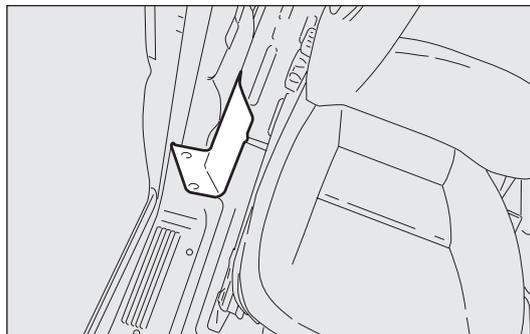


fig. 209

F0N0172m

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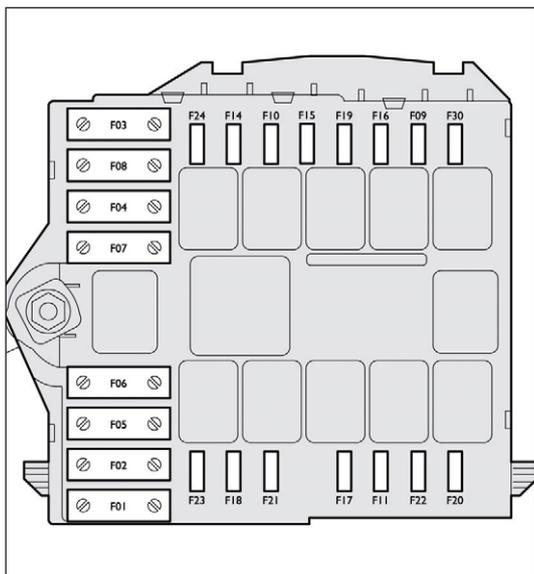


fig. 208

F0N0097m

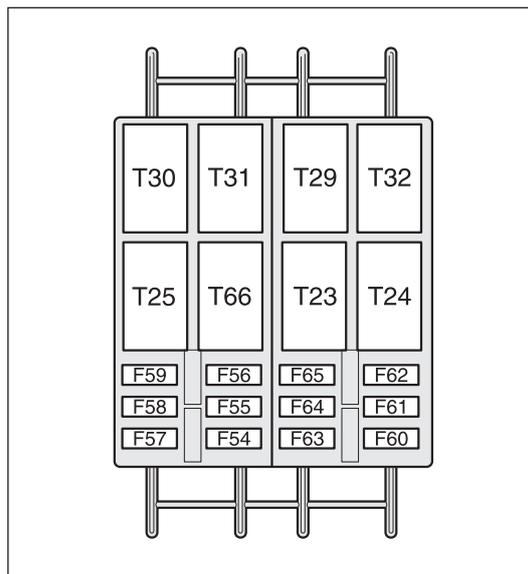


fig. 210

F0N0171m

FUSE SUMMARY TABLE**Dashboard fuse box fig. 205-206**

	USERS	FUSE	AMPERE
SAFETY	Right dipped headlamp	F12	7.5
	Left dipped headlamp	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	20
WARNING LIGHTS AND MESSAGES	Minibus interior lights (emergency)	F34	20
	Radio, A/C control, alarm, tachograph, Battery disconnecting unit, Webasto timer (+battery)	F36	10
	Brake light control (main), third brake light, instrument panel (+key)	F37	7.5
IN AN EMERGENCY	Door lock (+battery)	F38	20
	ABS, ASR, ESP, brake light control (secondary) (+key)	F42	5
	Windscreen washer (+key)	F43	20
MAINTENANCE AND CARE	Driver's side electric window	F47	20
	Passenger side electric window	F48	20
	Parking sensor control unit, radio, controls on the steering wheel, centre dashboard, left dashboard, auxiliary dashboard, battery disconnecting unit (+key)	F49	5
TECHNICAL SPECIFICATIONS	Airbag (+key)	F50	7.5
	Climate control system, power steering control unit, reversing lights, water in diesel filter sensor, flow meter, tachograph (+key)	F51	5

USERS**FUSE****AMPERE**

Instrument panel (+battery)

F53

7.5

Absent

F89

–

Left main beam headlamp

F90

7.5

Right main beam headlamp

F91

7.5

Left fog lights

F92

7.5

Right fog lights

F93

7.5

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Engine compartment fusebox fig. 207-208**USERS****FUSE****AMPERE**

ABS pump (+battery)

F01

40

SAFETY

Preheating glow plugs (+battery)

F02

50

Ignition switch (+battery)

F03

30

STARTING
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Headlamp washer (+battery)

F04

30

Vaporiser for Puma engine/compartment ventilation with Webasto,
robotised gearbox pump (+battery)

F05

20/50

Engine cooling high speed fan (+battery)

F06

40/60

WARNING
LIGHTS AND
MESSAGES

Engine cooling low speed fan (+battery)

F07

40/50

Passenger compartment fan (+key)

F08

40

Rear power socket (+battery)

F09

15

**IN AN
EMERGENCY**

Horn

F10

15

Electric system (secondary services)

F11

15

Power socket (+battery)

F14

15

Cigar lighter (+battery)

F15

10

MAINTENANCE
AND CARE

Electric system (+key)

F16

7.5

Electric system (primary services)

F17

10

Engine management control unit, robotised gearbox control unit (+battery)

F18

7.5

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Air conditioning compressor

F19

7.5

Windscreen wipers

F20

30

Fuel pump

F21

15

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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

Right central pillar optional control unit fig. 209-210

USERS	FUSE	AMPERE
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	30

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BATTERY RECHARGING

IMPORTANT Battery recharging procedure is given as information only. This operation should be performed at a Fiat Dealership.

Charging should be slow at a low ampere rating for approximately 24 hours. Rapid battery charging with high currents could damage the battery. Charge the battery as follows:

- disconnect the negative battery terminal;
- connect the charger cables to the battery terminals, observing the poles;
- turn on the charger;
- after recharging, turn the battery charger off before disconnecting the battery itself;
- reconnect negative battery terminal.



WARNING

Battery fluid is poisonous and corrosive: avoid contact with your skin and eyes.
The battery recharging operation must be performed in a ventilated place, away from naked flames or possible sources of sparks to avoid the risk of explosion and fire.



WARNING

Don't try to recharge a frozen battery: If the battery was frozen, have it inspected by skilled personnel before recharging to check that the internal elements are not damaged and that the casing is not cracked, which causes the risk of leakage of poisonous, corrosive acid.

RAISING THE VEHICLE

If the vehicle needs to be lifted, go to 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. 211.

TOWING THE VEHICLE

The vehicle is equipped with two rings for attaching the tow hook.

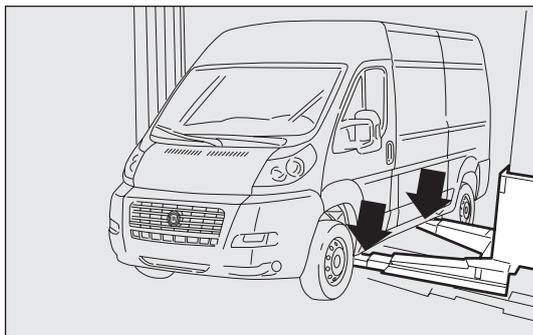


fig. 211

F0N0340m



WARNING

Before towing, switch off the steering lock (see „Starting device“ paragraph under the „Dashboard and controls“ chapter). The brake servo and power steering will not work while the vehicle is being towed. More effort on the brake pedal and steering wheel will therefore be required. Do not use flexible cables when towing and avoid jerky movements. During towing operations, make sure that the fastened joint does not damage adjoining components. When towing the vehicle comply with the specific rules of the Highway Code regarding both the towing device and the behaviour to maintain 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. In the absence of the tool box the vehicle tow hook is housed in the on-board documentation container, together with the Owner Handbook.

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For activation / deactivation, proceed as follows:

- ❑ Open the flap A and remove it as illustrated in fig. 212;
- ❑ turn the locking knob B anticlockwise and remove it fig. 212 to allow the removal of the compartment fig. 213;

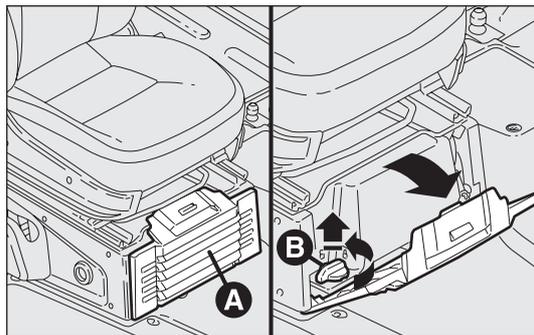


fig. 212

F0N0134m

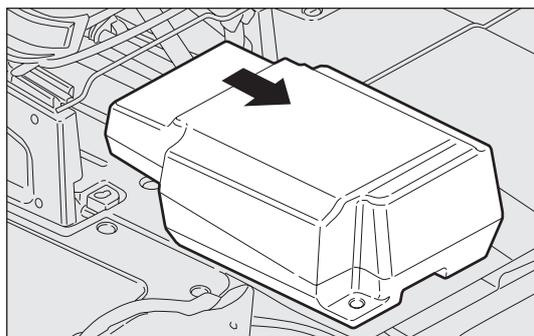


fig. 213

F0N0135m

- ❑ take the screwdriver provided from the box and prise up at the point shown to raise the cap C-fig. 214;
- ❑ take the tow ring D from the box and screw onto the threaded pin fig. 214.

The rear ring B-fig. 215 is located at the point shown in the diagram.

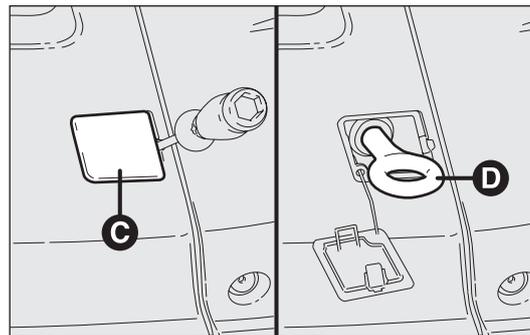


fig. 214

F0N0136m

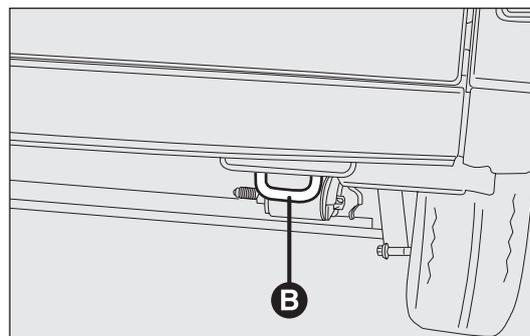


fig. 215

F0N0117m

MAINTENANCE AND CARE

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.

The scheduled maintenance programme does not, however, cover all the vehicle requirements; during the initial period, before the 48,000 kilometre service and later on, between services, routine operations must be carried out like systematically checking and topping up fluid levels, checking the tyre inflation pressure, etc.

IMPORTANT Scheduled Servicing coupons are specified by the Manufacturer. Failure to have them carried out may invalidate the warranty.

Schedule servicing can be carried out by any Fiat Dealership, at pre-established times.

If there is a need for further replacements or repairs during any operation in addition to those planned, prior consent of the Customer must be obtained first.

IMPORTANT It is advisable to contact a Fiat Dealership in the event of any minor operating failure, without waiting for the next service coupon.

If your vehicle is used frequently for trailer towing, the interval between scheduled maintenance services must be reduced.

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SCHEDULED MAINTENANCE PLAN

	Thousands of miles	27	54	81	108	135
	Thousands of kilometres	48	96	144	192	240
	Months	24	48	72	96	120
KNOWING YOUR CAR						
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.)	●	●	●	●	●
	Check operation of windscreen wiper/washer system and adjust jets, if necessary	●	●	●	●	●
WARNING LIGHTS AND MESSAGES	Check the position/wear of the windscreen/rear window wiper blades	●	●	●	●	●
	Check cleanliness of bonnet and tailgate locks and cleanliness and lubrication of linkages	●	●	●	●	●
IN AN EMERGENCY	Visually inspect condition of: exterior bodywork, underbody protection, pipes and hoses (exhaust, fuel system, brakes), rubber elements (boots, sleeves, bushes, etc.)	●	●	●	●	●
	Check condition and wear of front disc brake pads and operation of pad wear indicator	●	●	●	●	●
MAINTENANCE AND CARE	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.)	●	●	●	●	●
TECHNICAL SPECIFICATIONS	Visual check of accessory drive belt(s) (versions without automatic tensioner) (130-150-180 Multijet versions)		●			●
	Check tension of accessory drive belt (versions without automatic tensioner) (▲)	●			●	
INDEX	Check tension of accessory drive belt (versions without automatic tensioner) (115 Multijet versions) (▲)	●		●		●

(▲) When the engine oil is changed for the first time, check the tension of the accessories drive belt .

	Thousands of miles	27	54	81	108	135
	Thousands of kilometres	48	96	144	192	240
	Months	24	48	72	96	120
Check condition of toothed timing drive belt (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 accessory drive belt(s) (I15 Multijet versions)			●		●	
Replace toothed timing drive belt (*) (I30-I50 Multijet versions)				●	●	
Replace toothed timing drive belt (*) (I15 Multijet versions)				●		
Replace air filter cartridge (***)	●	●	●	●	●	●
Replace engine oil and oil filter (versions with DPF) (***) (▲)			●		●	
Change brake fluid (or every 24 months)			●		●	
Replace pollen filter (or every 24 months)	●	●	●	●	●	●

(*) Regardless of mileage, the timing belt must be replaced every four years in case of particularly demanding use (cold climate, city traffic, long idling) or at least every five years.

(**) 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 present) in the instrument panel (see chapter “Warning lights and messages”) or every 24 months

(▲) If the vehicle is driven mainly in towns, change engine oil and filter every 12 months.

(***) If the vehicle is equipped with a special air cleaner for dusty areas:
 - every 20,000 km, check and clean the filter,
 - every 40,000 km replace the filter.

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PERIODIC CHECKS

Before long journeys, check and, if necessary, restore:

- engine coolant fluid level;
- brake fluid level;
- windscreen washer fluid level;
- tyre pressure and conditions;
- operation of lights (headlights, direction indicators, hazard lights, etc.);
- operation of the windscreen wiper/washer system, position and wear of the windscreen and 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:

- trailer or caravan towing;
- dusty roads;
- short distances (less than 7-8 km) and with external temperatures below zero;
- frequently idling engine or long distance low speed driving or in the case of long term inactivity;

the following checks must be carried out more often than indicated in the Scheduled Servicing Plan:

- check front disc brake pad conditions and wear;
- check cleanliness of bonnet and boot locks and lever cleanliness and lubrication;
- visually inspect the conditions of: engine, gearbox, transmission, pipes and tubes (exhaust – fuel – brakes), rubber parts (boots, sleeves, bushes, etc.);
- check battery charge and liquid level (electrolyte);
- visual check on various drive belt conditions;
- check and if necessary change engine oil and oil filter.

CHECKING FLUID LEVELS



WARNING

Never smoke while working in the engine compartment: gas and inflammable vapours may be present, with the risk of fire.



Be careful, when topping up not to confuse the various types of fluids: they are all incompatible with one another and could seriously damage the vehicle.

1. Engine coolant fluid
2. Power steering fluid
3. Windscreen washer fluid
4. Brake fluid
5. Engine oil

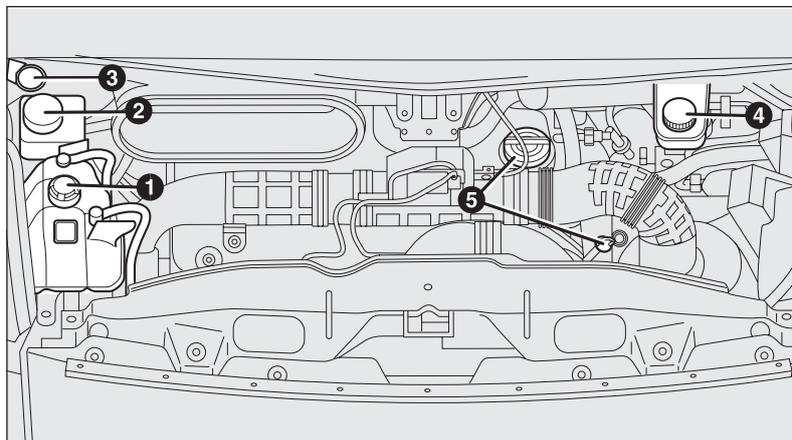


fig. 216 - 115 Multijet versions

FON0530m

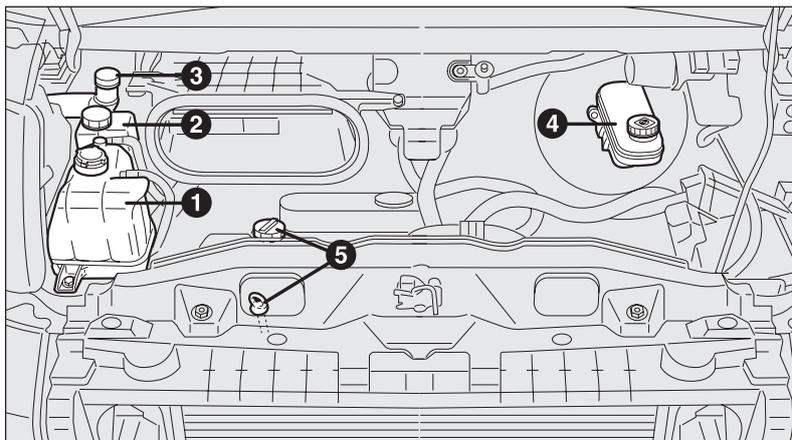


fig. 217 - 130 Multijet - 150 Multijet versions

FON0100m

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**WARNING**

Never smoke while working in the engine compartment: gas and inflammable vapours may be present, with the risk of fire.



Be careful, when topping up not to confuse the various types of fluids: they are all incompatible with one another and could seriously damage the vehicle.

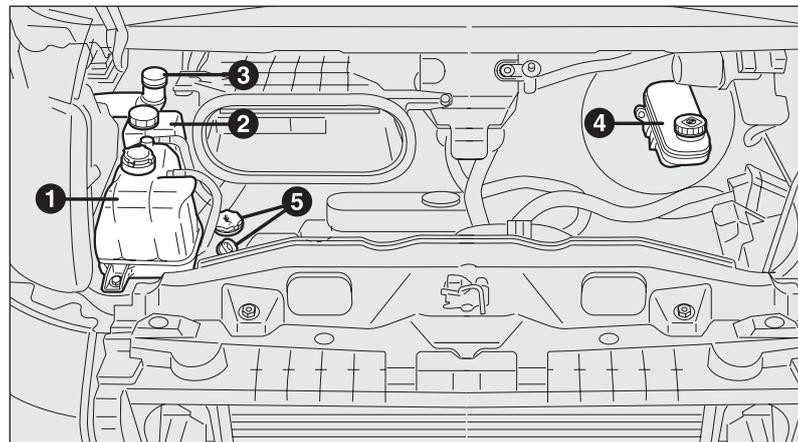


fig. 218 – 180 Multijet Power versions

F0N0210m

1. Engine coolant fluid
2. Power steering fluid
3. Windscreen washer fluid
4. Brake fluid
5. Engine oil

ENGINE OIL fig. 219-220-221

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.

The range between the MIN. and MAX. marks corresponds to about 1 litre of oil.

If the oil level is near or under the MIN line, add oil through the filler A until it reaches the MAX line.

The oil level should never exceed the MAX line.

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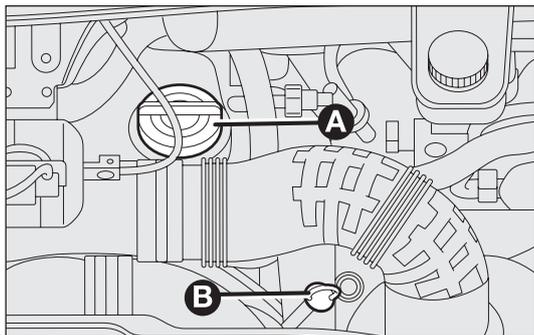


fig. 219 - 115 Multijet versions

F0N0531m

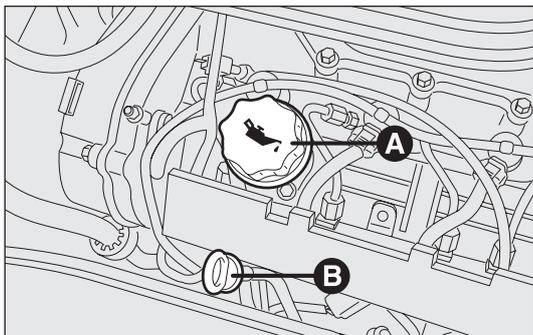


fig. 220 - 130 - 150 Multijet versions

F0N0102m

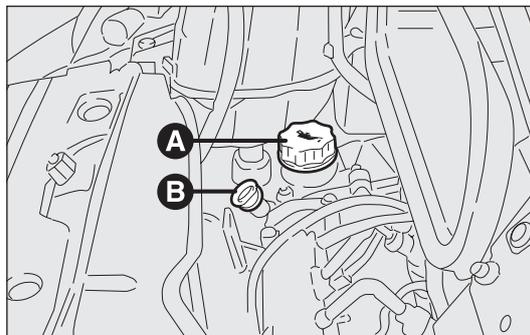


fig. 221 - 180 Multijet Power versions

F0N0211m

ENGINE OIL CONSUMPTION

The maximum engine oil consumption is usually 400 grams every 1,000 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 the 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.



WARNING

When the engine is hot, take care when working inside the engine compartment to avoid burns. Remember that when the engine is hot, the fan may cut in: danger of injury. Pay attention to scarves, ties and other loose fitting garments: they might get caught by moving components.



Do not add any oil with different specifications to those of the existing engine oil.



The used engine oil and the replaced oil filter contain substances that may be dangerous for the environment. It is advisable to have oil and filters changed by a Fiat Dealership where they will be disposed respecting the environment and according to legal regulations.

ENGINE COOLANT fig. 222-223

The coolant level must be checked when the engine is cold and must range between the MIN. and MAX. marks on the reservoir.

If the level is low, slowly pour a mixture of 50% demineralised water and 50% PARAFLU^{UP} of PETRONAS LUBRICANTS through the filler neck A until the level reaches MAX.

A 50-50 mixture of PARAFLU^{UP} and distilled water gives freeze protection up to -35°C .

When the vehicle is used under particularly harsh weather conditions, we recommend using a 60-40 mixture of PARAFLU^{UP} and demineralised water.

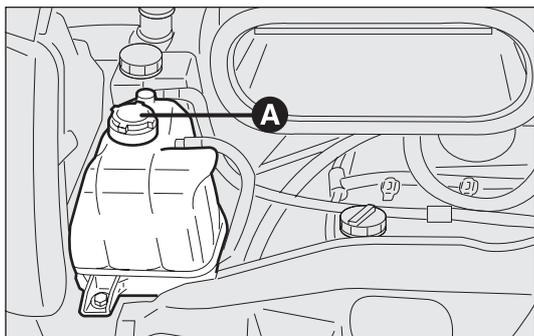


fig. 222 - 130 - 150 - 180 Multijet versions

F0N0103m



PARAFLU^{UP} anti-freeze is used in the engine cooling system. Use the same fluid as in the cooling system when topping up. PARAFLU^{UP} may not be mixed with any other types of fluids. If this accidentally occurs, do not start the engine and contact a Fiat Dealership.



WARNING

The engine cooling system is pressurised. If necessary, only replace the cap with another genuine one or the operation of the system may be adversely affected. Do not remove the cap from the reservoir when the engine is hot: danger of scalding.

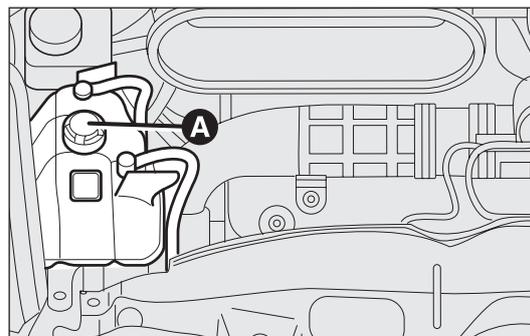


fig. 223 - 115 Multijet versions

F0N0532m

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**WINDSCREEN/REAR WINDOW WASHER/
HEADLIGHT WASHER FLUID fig. 224-225**

To top up, remove the cap A.

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 fluid.

Check level through the reservoir.

**WARNING**

Do not travel with the windscreen washer reservoir empty: the windscreen washer is fundamental for improving visibility.

**WARNING**

Certain commercial additives for windscreen washers are inflammable. The engine compartment contains hot parts which could start a fire if they come into contact.

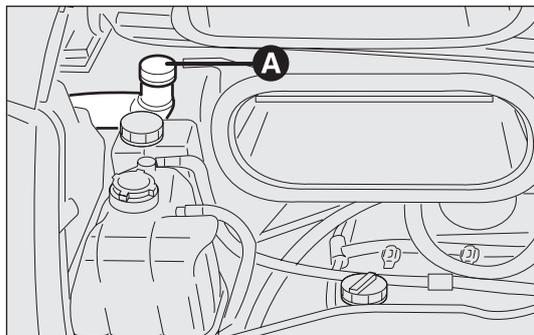


fig. 224 – 130 – 150 – 180 Multijet versions

F0N0105m

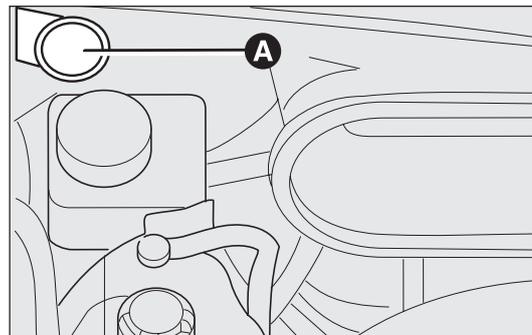


fig. 225 – 115 Multijet versions

F0N0533m

BRAKE FLUID fig. 226

Undo the cap A 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.

Use the brake fluid shown in the “Fluids and lubricants” table (see “Technical Specifications”).

NOTE Thoroughly clean the tank cap A and the surrounding surface.

Take great care to ensure that impurities do not enter the reservoir when the cap is opened.

For topping up, always use a funnel with integrated filter that has a mesh inferior or equal to 0.12 mm.

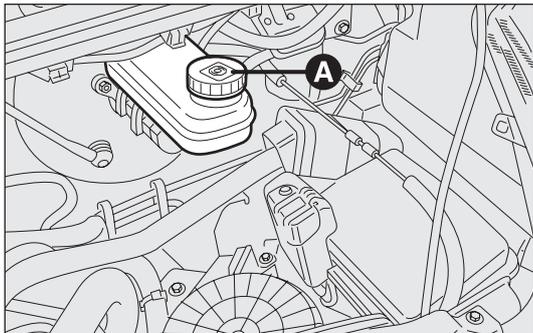


fig. 226

FON0107m

IMPORTANT Brake fluid absorbs moisture. For this reason, if the car is mainly used in areas with a high degree of atmospheric humidity, the fluid should be replaced at more frequent intervals than specified in the “Scheduled Servicing Plan”.



Prevent brake fluid, which is highly corrosive, from coming into contact with painted parts. Should this occur, immediately wash with water.



WARNING

Brake fluid is poisonous and highly corrosive. In the event of accidental contact, immediately wash the affected parts with water and neutral soap. Then rinse thoroughly. If swallowed call a doctor straight away.



WARNING

The symbol  on the container indicates a synthetic brake fluid, which is different from a mineral fluid. Use of mineral type fluids will damage the special rubber seals of the braking system beyond repair.

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POWER STEERING FLUID fig. 227-228

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 (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 level of fluid in the tank to stabilise.
- With the engine running, turn the steering wheel from right to left fully, several times.

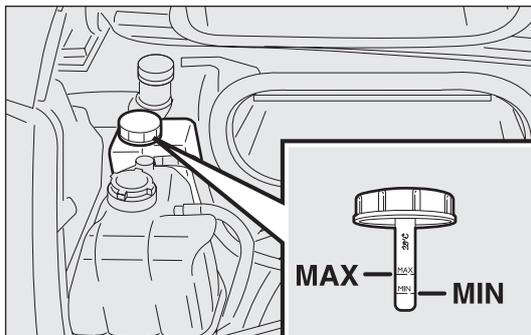


fig. 227 – 130 – 150 – 180 Multijet versions

F0N0109m

- 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: the liquid is flammable.



Power steering fluid consumption is very low. If the fluid needs topping up a short time after the last top-up, have the system checked by a Fiat Dealership to ensure there are no leaks.



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.

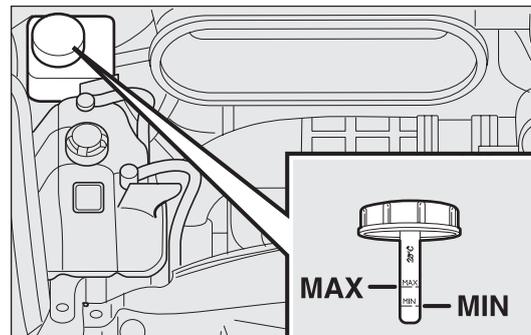


fig. 228 – 115 Multijet versions

F0N0534m

AIR FILTER/POLLEN FILTER

Have the air filter replaced by a Fiat Dealership.

AIR FILTER – DUSTY ROADS

(for versions/markets, where provided)

The air filter for dusty areas is equipped with a visual filter block indication device A-fig. 229. Check the reading of the filter block sensor at intervals (refer to “Scheduled Servicing Plan” in the “Maintenance and care” section).

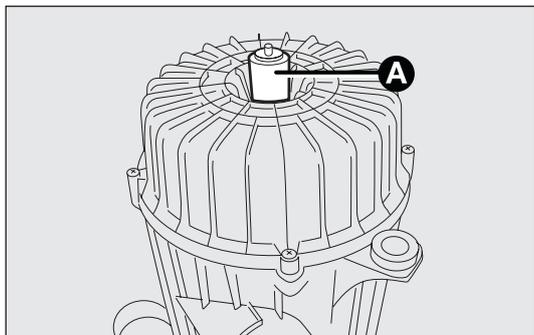


fig. 229

F0N0253m

When the setting is reached the indicator is triggered B-fig. 230 and changes 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. 230.

WARNING To clean the filter, use an air jet, do not use water or liquid detergents.

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

Have the pollen filter replaced by a Fiat Dealership.

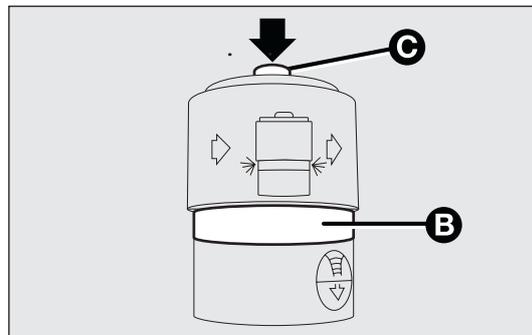


fig. 230

F0N0254m

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BATTERY

The battery is of the “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 pedals. Remove the protective cover to gain access to it.



WARNING

When performing any operation on the battery or near it, always protect your eyes with special goggles.



WARNING

Battery liquid is poisonous and corrosive. Avoid contact with the skin and eyes. Keep naked flames or possible sources of sparks away from the battery: risk of explosion or fire.



WARNING

Using the battery when the fluid is too low can damage it irreparably and generate a risk of explosion.

CHANGING THE BATTERY

If required, replace the battery with a genuine spare part with the same specifications.

If a battery with different specifications is fitted, the service intervals given in the “Scheduled Servicing Programme” in this chapter will no longer be valid.

Follow the battery manufacturer’s instructions for maintenance.



Incorrect assembly of electric and electronic devices may cause severe damage to your vehicle. Contact a Fiat Dealership if you want to install accessories (alarms, radiophone, etc.): they will suggest the most suitable devices and advise you if a higher capacity battery needs to be installed.



Batteries contain substances that are very harmful to the environment. It is advisable to have the battery changed by a Fiat Dealership, where it will be disposed of properly and in accordance with the law.



If the vehicle must remain unused for a long time at very low temperatures, remove the battery and take it to a warm place to avoid freezing.

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 avoid the ceiling lights remain on;
- the ceiling lights must be off. The vehicle is however provided with an automatic system for switching off internal lights;
- do not keep accessories (e.g. sound system, hazard warning lights, etc...) switched on for a long time when the engine is not running;
- before performing any operation on the electrical system, disconnect the negative battery cable;
- battery terminals should always be completely tightened.

IMPORTANT If the charge level remains under 50% for a long time, the battery is damaged by sulphation, reducing its capacity and starting attitude.

The battery will also be more at risk of freezing (this can happen as early as -10°C). Refer to the paragraph “Vehicle 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 ignition key 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 „Dashboard and controls“ section.

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WHEELS AND TYRES

Check the pressure of each tyre, including the space-saver wheel, approximately every two weeks and before long journeys: the pressure should be checked with the tyre rested and cold. It is normal for the pressure to increase when the vehicle is used; for the correct tyre inflation pressure, see "Wheels" in the "Technical specifications" section. Incorrect pressure causes abnormal tyre wear fig. 231:

- 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 all cases, follow the laws in force in the country where you are driving.

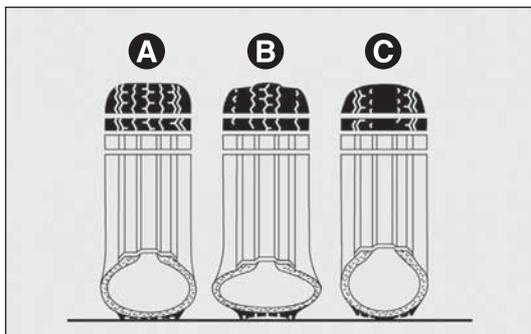


fig. 231

F0N0111m

IMPORTANT NOTES

- Avoid braking suddenly, burning starts and violent knocks against the curb, potholes or other obstacles if possible. Driving for long stretches over bumpy roads can damage the tyres;
- check the tyres regularly for cuts on the sides, swelling or irregular tread wear. Contact a Fiat Dealership if required.
- avoid overloading the car when travelling: this may cause serious damage to the wheels and tyres;
- if a tyre is punctured, stop the vehicle immediately and change it to avoid damage to the tyre, the rim, the suspensions and the steering system;
- a tyre will age even if it is not used much. Cracks in the tread and on the sidewalls are a sign of ageing. Have the tyres checked by skilled personnel if they have been fitted for longer than six years. Also remember to check the space-saver wheel very carefully;
- In the case of replacement, always fit new tyres, avoiding those with an unknown origin.
- If a tyre is replaced, also change the inflation valve.
- to allow an 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 will get overheated, with the risk of serious damage.



WARNING

Avoid moving the tyres from the right side of the vehicle to the left side and vice versa.



WARNING

Never submit alloy rims to repainting treatments requiring the use of temperatures exceeding 150°C. The mechanical properties of the wheels could be impaired.

RUBBER HOSES

As far as the brake system and fuel rubber hoses are concerned, follow the “Scheduled Servicing Programme” in this chapter carefully.

Ozone, high temperatures and prolonged lack of fluid in the system may cause hardening and cracking of the hoses, with possible leaks.

Careful inspections are 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 all cases, it is advisable to replace them approximately once a year.

A few simple precautions can reduce the possibility of damage to the blades:

- make sure that the rubber part is not stuck to the windscreen at sub-zero temperatures. Use an antifreeze product to release it if required;
- remove any snow from the glass: in addition to protecting the blades, this prevents effort on the motor and overheating;
- do not operate the windscreen wipers on dry glass.



WARNING

Driving with worn wiper blades is a serious hazard, because visibility is reduced in bad weather.

Replacing the windscreen wiper blades fig. 232

Proceed as follows:

- lift the arm A of the wiper and position the blade so that it forms an angle of 90° with the arm;
- remove the press-fitted blade B from arm A;
- insert the new blade making sure it is locked.

SPRAY NOZZLES

Windscreen washer fig. 233

If the jet of fluid is inadequate, firstly check that there is fluid in the reservoir (see “Checking fluid levels” in this section).

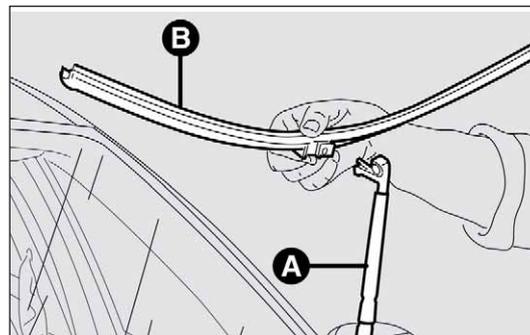


fig. 232

FON0137m

Then check that the nozzle holes are not clogged, if necessary using a needle.

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 $\frac{1}{3}$ of the height from the window upper edge.

HEADLAMP WASHERS

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

The headlamp washers come on automatically when the windscreen washer is operated with the dipped headlamps on.

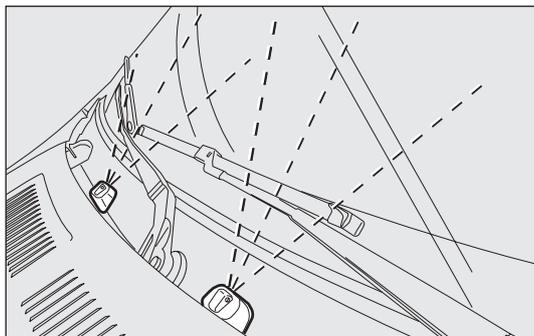


fig. 233

FON0112m

BODYWORK

PROTECTION FROM ATMOSPHERIC AGENTS

The main causes of corrosion are: atmospheric pollution, salty air and humidity (coastal areas, or hot humid climates) and seasonal environmental conditions.

The abrasive action of wind-borne atmospheric dust and sand, as well as mud and gravel raised by other cars 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, internal wheel arches and other parts with highly protective wax products;
- spraying of protective plastic material in the more exposed points: underdoor, inner mudguard parts, edges, etc...;
- Use of “open” boxed sections to prevent condensation and pockets of moisture which could cause rust to form inside.

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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 the Warranty Booklet.

ADVICE FOR PRESERVING THE BODYWORK

Paint

Paintwork does not only serve an aesthetic purpose, but also protects the underlying sheet metal. Touch up abrasions and scratches immediately to prevent rust formation. Use only original paint products for touch-ups (see “Bodywork paint identification plate” in the “Technical specifications” section). Normal maintenance of paintwork consists in washing the car: the frequency depends on the conditions and environment where the car is used. For example, it is advisable to wash the vehicle more often in areas with high levels of environmental pollution or on roads spread with salt.

To correctly wash the vehicle proceed as follows:

- remove the aerial from the roof to prevent damage to it if the vehicle is washed in an automatic system;
- wash the body using a low pressure jet of water;

- wipe a sponge with a slightly soapy solution over the bodywork, frequently rinsing the sponge;
- rinse well with water and dry with a jet of air or a chamois leather.

Dry the less visible parts particularly carefully, such as the door frames, bonnet and the headlight frames, where water may stagnate more easily. 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.

To protect the paint more effectively, polish occasionally with special protective waxes; when the paint tends to cloud because of a build-up of smog, polish with slightly abrasive protective waxes.

IMPORTANT Bird droppings must be washed off immediately and carefully 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.

Glasses

To clean glasses, use specific window cleaner products. Also use clean cloths to avoid scratching the glass or damaging the transparency.

IMPORTANT Wipe the rear window inside gently with a cloth in the direction of the filaments to avoid damaging the heating device.

Engine compartment

Wash the engine compartment thoroughly at the end of every winter. Be careful not to direct the jet of water onto electronic control units. Adequately protect the upper air vents to prevent damage to the windscreen wiper motor. 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 ketones (e.g.: acetone) for cleaning the front headlight plastic lenses.

INTERIORS

Periodically check that water is not trapped under the mats (due to water dripping off shoes, umbrellas, etc.) which could cause oxidation of the sheet metal.



WARNING

Never use flammable products, such as petrol, ether or rectified petrol, to clean the vehicle interior. 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: risk of explosion. 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.

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SEATS AND FABRIC PARTS

Remove dust with a soft brush or a vacuum cleaner. It is advisable to use a moist brush on velvet upholstery.

Rub the seats with a sponge moistened with a solution of water and neutral detergent.



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.

INTERIOR PLASTIC PARTS

It is advisable to clean interior parts with a moist cloth and a solution of water and mild soap. Use specific products for cleaning plastic, without solvents and specifically designed to prevent damage to the appearance and colour of the treated parts to remove grease and tough stains.

IMPORTANT Never use alcohol or petroleum to clean the instrument panel.

LEATHER STEERING WHEEL/GEAR KNOB

These components must be cleaned with mild soap and water only.

Never use alcohol and/or alcohol-based products.

Before using off-the-shelves products designed for cleaning car interiors, make sure that they do not contain alcohol and/or alcohol based substances before using them.

If window cleaner accidentally drips onto the steering wheel or gear lever knob, 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 prevent damaging the leather upholstery by rubbing.

TECHNICAL SPECIFICATIONS

IDENTIFICATION DATA

It is advisable to take note of the identification codes. The following identification codes are printed and shown on the plates:

- Model plate.
- Chassis marking.
- Bodywork paint identification plate.
- Engine marking.

MODEL PLATE fig. 234

This plate is fitted to the engine compartment front crossmember and contains the following identification data:

- B Type-approval number
- C Vehicle type identification code.
- D Chassis number.
- E Maximum authorised weight of vehicle fully laden.
- F Maximum authorised weight of vehicle fully laden plus trailer.
- G Maximum authorised weight on first axle (front).

- H Maximum authorised weight on second axle (rear).
- I Engine type
- L Bodywork version code
- M Number for spare parts
- N Correct fume coefficient value.

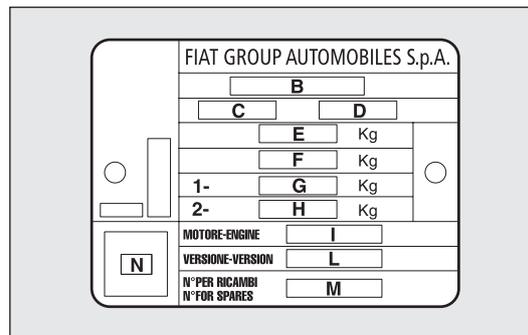


fig. 234

F0N0333m

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BODYWORK PAINT IDENTIFICATION PLATE fig. 235

This plate is fitted to the engine compartment front crossmember and contains the following identification data:

- A Paint manufacturer.
- B Colour name.
- C Fiat colour code.
- D Respray and touch up code.

CHASSIS MARKING fig. 236

One is located on the passenger's side inner wheel arch, A-fig. 236, the other on the lower part of the windscreen, fig. 237.

- vehicle model;
- the chassis progressive number.

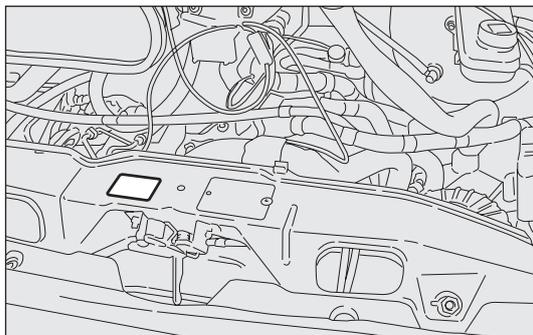


fig. 235

FON0160m

ENGINE MARKING

This is stamped onto the cylinder block and shows the type and the manufacture serial number.

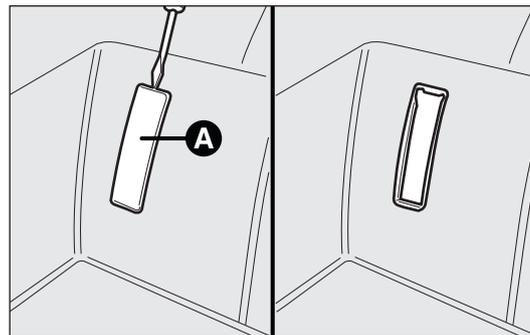


fig. 236

FON0162m

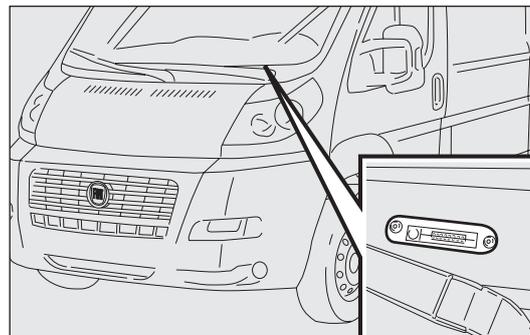


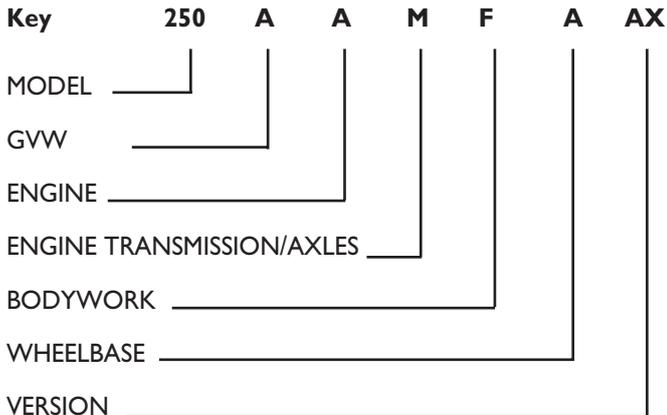
fig. 237

FON0338m

ENGINE CODES – BODYWORK VERSIONS

Versions	Engine type code
I 15 Multijet	250A1000
I 30 Multijet	FIAE3481D
I 50 Multijet	FIAE3481E
I 80 Multijet Power	FICE3481E

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:



GVW

- A** 3000 kg
- B** 3300 kg
- C** 3500 kg
- D** 3500 kg MAXI
- E** 4005 kg

TRANSMISSION

- M** Manual gearbox
- A** Automatic transmission

BODYWORK

- A** Chassis cab frame
- B** Platform frame without drive cab
- C** Platform chassis cab
- D** Flatbed truck
- E** Primary school bus
- F** Van
- G** Long cab trailer
- H** Long cab frame
- L** Secondary school bus
- M** Bus
- P** Panorama
- R** 6/9 seater crew cab

ENGINE

- M** I 30 Multijet
- N** I 50 Multijet
- P** I 80 Multijet Power
- R** I 15 Multijet

WHEELBASE

- A** Short wheelbase
- B** Medium wheelbase
- C** Long wheelbase
- D** Medium-long wheelbase
- U** All wheelbases (incomplete vehicles).

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ENGINE**GENERAL INFORMATION**

		115 Multijet	130 Multijet	150 Multijet	180 Multijet Power
Engine code		250A1000	FIAE3481D	FIAE3481E	FICE3481E
Cycle		Diesel	Diesel	Diesel	Diesel
Cylinder number and position		4 in line	4 in line	4 in line	4 in line
Piston bore and stroke	mm	83 x 90.4	88 x 94	88 x 94	95.8 x 104
Total displacement	cm ³	1956	2287	2287	2999
Compression ratio:		16.5 : 1	16.2 : 1	16.2 : 1	17.5 : 1
Max power (EEC)	kW	84.6	96	109	130
	HP	115	130	148	177
corresponding speed	rpm	3750	3600	3600	3500
Maximum torque (EEC)	Nm	280	320	350	400
corresponding speed	rpm	1500	1800	1500	1400
Fuel		Diesel for automotive engines (Specification EN590)			

POWER SUPPLY

Supply system	Common Rail direct injection
---------------	------------------------------



WARNING

Modifications or repairs to the fuel supply system that are not carried out properly or do not take the system's technical specifications into account can cause malfunctions leading to the risk of fire.

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TRANSMISSION

	I 15 Multijet	I 30 Multijet – I 50 Multijet – I 80 Multijet Power
Gearbox	Five forward gears and reverse with synchronisers for forward gear engagement	Six forward gears plus reverse with synchronisers for forward gears
Clutch	Self-adjusting pedal without idle stroke	
Traction	Front	

SUSPENSION

front	Mac Pherson independent wheels
Rear	Rigid rear axle with tubular axle; longitudinal leaf spring

BRAKES

Service brakes:	front	self-ventilated discs
	rear	
Parking brake		controlled by hand lever, acting on rear brakes

IMPORTANT Water, ice and antifreeze salt spread on the roads may deposit on the brake discs reducing braking efficiency the first time the brakes are applied.

STEERING

		Short wheelbase	Medium wheelbase	Medium-long wheelbase	Long wheelbase
Type		Rack and pinion with hydraulic power steering			
Steering circle (kerb to kerb)	m	11.06	12.46	13.54	14.28

WHEELS

RIMS AND TYRES

Pressed steel or alloy rims. Radial type tubeless tyres. The vehicle registration document also lists all type-approved tyres.

IMPORTANT In the event of discrepancies between the information provided on this “Owner Handbook” and the “Vehicle registration document”, only the latter is valid.

Fit tyres of the same make and type on all wheels, to ensure the safety of the vehicle in movement

IMPORTANT Do not use inner tubes in the case of tubeless tyres.

SPARE WHEEL

Pressed steel wheel.
Tubeless tyre, same as standard tyre.

WHEEL GEOMETRY

Total front toe in: -1 ± 1 mm
The values refer to the vehicle in running order.

READING TYRE CODE fig. 238

Example: 215/70 R 15 109S

215 = Nominal width (S, distance between sidewalls in mm).

70 = Height/width ratio (H/S) in percentage.

R = Radial tyre.

15 = Rim diameter in inches (\emptyset).

109 = Load rating (capacity).

S = Maximum speed index.

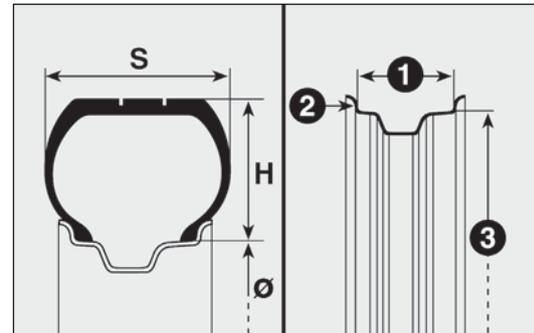


fig. 238

F0N0113m

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Maximum speed index

Q = up to 160 km/h.

R = up to 170 km/h.

S = up to 180 km/h.

T = up to 190 km/h.

U = up to 200 km/h.

H = up to 210 km/h.

V = up to 240 km/h.

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

RIM PROTECTOR TYRES fig. 239



WARNING

DO NOT fit wheel hub caps when using integral hub caps fixed (with springs) to the steel rim and after sale tyres provided with Rim Protector (fig. 234). The use of unsuitable tyres and wheel hub caps could cause a sudden pressure loss in the tyre.



fig. 239

FOV0217m

READING RIM CODE fig. 238

Example: 6J x 15 ET43

6 = rim width 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.

ET43 = wheel camber (distance between the disc/rim support plane and the wheel rim centre line).

Versions	Rims	Tyres provided
Ducato (except recreational)	6J x 15" – H2	215/70 R15C 109/107S 225/70 R15C 112/110S
Ducato (recreational)	6J x 15" – H2	215/70 R15CP 109/107Q
Ducato Maxi (except recreational)	6J x 16" – H2	215/75 R16C 116/114R 225/75 R16C 118/116R
Ducato Maxi (recreational)	6J x 16" – H2	225/75 R16CP 116/114Q

If using M+S winter tyres with speed index lower than "S" for 15 inch wheels and "R" for 16 inch wheels, respect the max vehicle speed indicated in the table: Maximum speed index.

important Use only the tyres shown in 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)

	Tyres provided	Use	Front	Rear
KNOWING YOUR CAR	215/70 R15	3000 GVW(*) with wide tyres, except PANORAMA	4.0 ± 0.05	4.0 ± 0.05
		3300 GVW (*) / 3500 GVW (*) with basic tyres	4.1 ± 0.05	4.5 ± 0.05
SAFETY	215/70 R15	PANORAMA with basic tyres	4.1 ± 0.05	4.5 ± 0.05
	225/70 R15	3000 GVW (*) with wide tyres, except PANORAMA	4.0 ± 0.05	4.0 ± 0.05
STARTING AND DRIVING	225/70 R15	3300 GVW(*) / 3500 GVW(*) with wide tyres	4.1 ± 0.05	4.5 ± 0.05
		Winter tyres M+S class C on Camping vehicle	4.3 ± 0.05	4.75 ± 0.05
WARNING LIGHTS AND MESSAGES	225/70 R15	PANORAMA with wide tyres	4.1 ± 0.05	4.5 ± 0.05
	215/70 R15 CP	Range with Camping tyres	5.0 ± 0.05	5.5 ± 0.05
IN AN EMERGENCY	215/75 R16	Maxi range with basic tyres	4.5 ± 0.05	5.0 ± 0.05
	225/75 R16	Maxi range with wide tyres	4.5 ± 0.05	5.0 ± 0.05
MAINTENANCE AND CARE	225/75 R16 C	Winter tyres M+S class C on Camping vehicle	5.2 ± 0.05	5.2 ± 0.05
	225/75 R16 CP	Maxi range with camping tyres	5.5 ± 0.05	5.5 ± 0.05

(*) GVW = Total weight on the ground

When the tyres are warm, the inflation pressure should be + 0.3 bar compared with the prescribed figure. 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.

The height refers to the unladen vehicle.

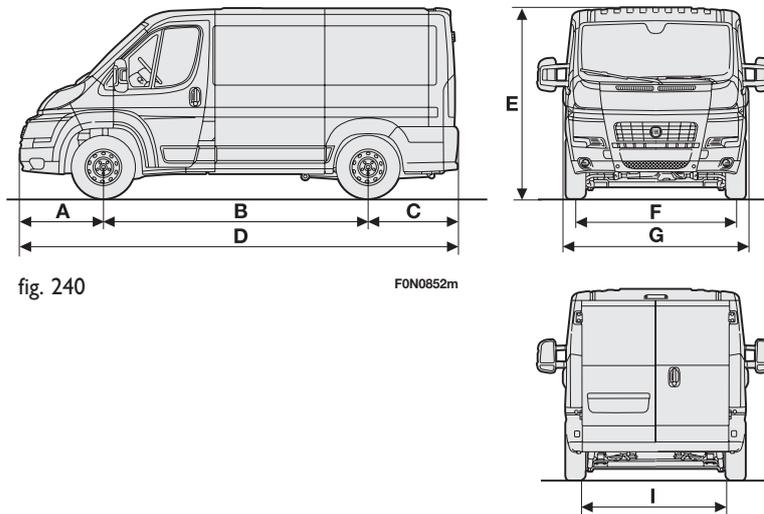


fig. 240

F0N0852m

	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

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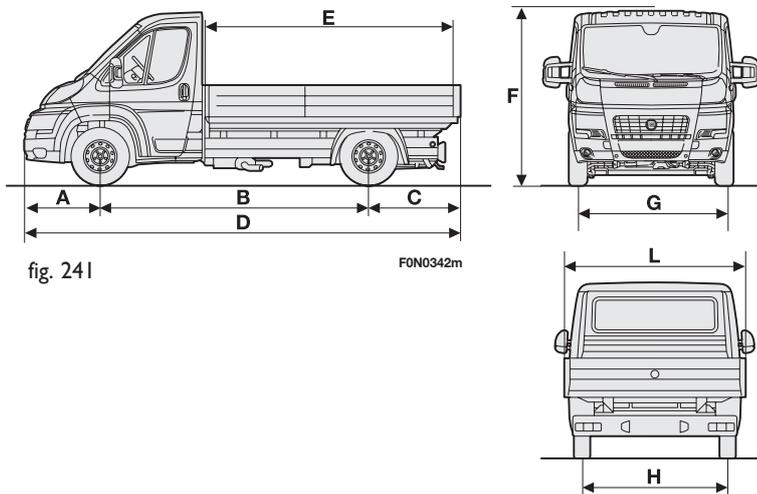
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TRUCK VERSION

Dimensions are expressed in mm and refer to the vehicle fitted with standard tyres.

The height refers to the unladen vehicle.



	BOX				CHASSIS CAB			
	CHI	MHI	LHI	XLHI	CHI	MHI-MLHI	LHI	XLHI
A	948	948	948	948	948	948	948	948
B	3000	3450	4035	4035	3000	3450-3800	4035	4035
C	1345	1345	1345	1710	960	960	960	1325
D	5293	5743	6328	6693	4908	5358-5708	5943	6308
E	2798	3248	3833	4198	—	—	—	—
F	2254	2254	2254	2254	2254	2254	2254	2254
G	1810	1810	1810	1810	1810	1810	1810	1810
H	1790	1790	1790	1790	1790÷1980	1790÷1980	1790÷1980	1790÷1980
L	2100	2100	2100	2100	2050	2050	2050	2050

The sizes vary according to the various versions within the limits indicated above

	CHASSIS COWL				SPECIAL CHASSIS CAB			
	CHI	MHI-MLHI	LHI	XLHI	CHI	MHI-MLHI	LHI	XLHI
A	925	925	925	925	948	948	948	948
B	3000	3450-3800	4035	4035	3000	3450-3800	4035	4035
C	860	860	860	1225	880	880	880	1245
D	4785	5235-5585	5820	6125	4828	5278-5628	5863	6228
E	–	–	–	–	–	–	–	–
F	–	–	–	–	2254	2254	2254	2254
G	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
L	2050	2050	2050	2050	2050	2050	2050	2050

The sizes vary according to the various versions within the limits indicated above

	SPECIAL CHASSIS COWL			
	CHI	MHI-MLHI	LHI	XLHI
A	925	925	925	925
B	3000	3450-3800	4035	4035
C	880	880	880	1245
D	4805	5255-5605	5840	6205
G	1810	1810	1810	1810
H	1790÷1980	1790÷1980	1790÷1980	1790÷1980
L	2050	2050	2050	2050

The sizes vary according to the various versions within the limits indicated above

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PERFORMANCE

Top permitted speed after initial vehicle use in km/h.

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		115 Multijet	130 Multijet	150 Multijet	180 Multijet Power
VAN	CHI-MH1	148	155	162	171
	CH2-MH2 LH2-XLH2	143	150	157	166
	LH3 XLH3	138	145	152	161
LORRIES WITH FLATBED	CHI	148	155	157	171

VAN WEIGHTS

3000 kg GVW versions (***)		115 Multijet	130/150 Multijet	180 Multijet Power
Unladen weight (with all fluids, fuel tank filled to 90% and without optional equipment):	kg	1845 ÷ 1910	1860 ÷ 1925	1910 ÷ 1975
Payload (*) including the driver:	kg	1090 ÷ 1155	1075 ÷ 1140	1025 ÷ 1090
Maximum permitted loads (**)				
– front axle:	kg	1630	1630	1630
– rear axle:	kg	1650	1650	1650
– total:	kg	3000	3000	3000
Towable loads				
– braked trailer:	kg	2000	2500	2500
– non braked trailer:	kg	750	750	750
Maximum load on the ball joint (braked trailer):	kg	100	100	100
Maximum load on roof (evenly distributed):	kg	150	150	150

(*) If special equipment is fitted (sunroof, tow hitch, etc.) the unladen vehicle weight increases, thus reducing the specified payload.

(**) Loads not be exceeded. The user is responsible for arranging goods in the luggage compartment and/or load platform within the maximum permitted loads.

(***) The values indicated refer to panel and glazed Vans in medium and short wheelbases with high and low sides.

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VAN WEIGHTS

		3300 kg GVW versions (***)			3500 kg GVW versions (***)				
		115 Multijet	130/150 Multijet	180 Multijet Power	115 Multijet	130/150 Multijet	180 Multijet Power		
KNOWING YOUR CAR	SAFETY	Unladen weight (with all fluids, fuel tank filled to 90% and without optional equipment):	kg	1845÷1985	1860÷2000	1910÷2050	1845÷1985	1860÷2000	1910÷2050
		Payload (*) including the driver:	kg	1315÷1455	1300÷1440	1250÷1390	1515÷1655	1500÷1640	1450÷1590
WARNING LIGHTS AND MESSAGES	IN AN EMERGENCY	Maximum permitted loads (**)							
		– front axle:	kg	1750	1750	1750	1850	1850	1850
		– rear axle:	kg	1900	1900	1900	2000	2000	2000
		– total:	kg	3300	3300	3300	3500	3500	3500
MAINTENANCE AND CARE	TECHNICAL SPECIFICATIONS	Towable loads							
		– braked trailer:	kg	2000	2500	2500	2000	2500	2500
		– non braked trailer:	kg	750	750	750	750	750	750
		Maximum load on the ball joint (braked trailer):	kg	100	100	100	100	100	100
		Maximum load on roof (evenly distributed):	kg	150	150	150	150	150	150

(*) If special equipment is fitted (sunroof, tow hitch, etc.) the unladen vehicle weight increases, thus reducing the specified payload.

(**) 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.

(***) The values indicated refer to panel and glazed Vans in medium and short wheelbases with high and low sides.

VAN WEIGHTS (MAXI versions)

		3500 kg GVW versions (***)		4000 kg GVW versions (***)	
		130/150 Multijet	180 Multijet Power	130/150 Multijet	180 Multijet Power
Unladen weight (with all fluids, fuel tank filled to 90% and without optional equipment):	kg	1940÷2090	1990÷2140	2010÷2135	2060÷2185
Payload (*) including the driver:	kg	1410÷1560	1360÷1510	1865÷1990	1815÷1940
Maximum permitted loads (**)					
– front axle:	kg	2100	2100	2100	2100
– rear axle:	kg	2400	2400	2400	2400
– total:	kg	3500	3500	4000	4000
Towable loads					
– braked trailer:	kg	3000	3000	2500	2500
– non braked trailer:	kg	750	750	750	750
Maximum load on the ball joint (braked trailer):	kg	120	120	100	100
Maximum load on roof (evenly distributed):	kg	150	150	150	150

(*) If special equipment is fitted (sunroof, tow hitch, etc.) the unladen vehicle weight increases, thus reducing the specified payload.

(**) Loads not be exceeded. The user is responsible for arranging goods in the luggage compartment and/or load platform within the maximum permitted loads.

(***) The values indicated refer to panel and glazed Vans in medium and short wheelbases with high and low sides.

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TRUCK TRAILER WEIGHTS

3000 kg GVW versions

I 15 Multijet

I 30 Multijet

I 80 Multijet Power

Unladen weight

(with all fluids, fuel tank filled to 90% and without optional equipment): kg

1795÷1840

1810÷1855

1860÷1905

Payload (*) including the driver: kg

1125÷1160

1125÷1145

1095÷1140

Maximum permitted loads (**)

– front axle: kg

1630

1630

1630

– rear axle: kg

1650

1650

1650

– total: kg

2920-3000

2935-3000

2935-3000

Towable loads

– braked trailer: kg

2000

2500

2500

– non braked trailer: kg

750

750

750

Maximum load on the ball joint (braked trailer): kg

100

100

100

(*) If special equipment is fitted (sunroof, tow hitch, etc.) the unladen vehicle weight increases, thus reducing the specified payload.

(**) Loads not 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			3500 kg GVW versions		
		115 Multijet	130 Multijet	180 Multijet Power	115 Multijet	130 Multijet	180 Multijet Power
Unladen weight (with all fluids, fuel tank filled to 90% and without optional equipment):	kg	1795÷1895	1810÷1910	1860÷1960	1795÷1895	1810÷1910	1860÷1960
Payload (*) including the driver:	kg	1405÷1435	1390÷1435	1340÷1440	1535÷1605	1535÷1590	1540÷1640
Maximum permitted loads (**)							
– front axle:	kg	1750	1750	1750	1850	1850	1850
– rear axle:	kg	1900	1900	1900	2000	2000	2000
– total:	kg	3230÷3300	3245÷3300	3425÷3300	3330÷3500	3345÷3500	3345÷3500
Towable loads							
– braked trailer:	kg	2000	2500	2500	2000	2500	2500
– non braked trailer:	kg	750	750	750	750	750	750
Maximum load on the ball joint (braked trailer):	kg	100	100	100	100	100	100

(*) If special equipment is fitted (sunroof, tow hitch, etc.) the unladen vehicle weight increases, thus reducing the specified payload.

(**) Loads not be exceeded. The driver is responsible for arranging goods in the luggage compartment and/or on the load platform within the maximum permitted loads.

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TRAILER TRUCK WEIGHTS (MAXI versions)

		3500 kg GVW versions		4000 kg GVW versions		
		130 Multijet	180 Multijet Power	130 Multijet	180 Multijet Power	
KNOWING YOUR CAR	Unladen weight (with all fluids, fuel tank filled to 90% and without optional equipment):	kg	1895÷1985	1945÷2035	1895÷1985	1945÷2035
		kg	1515÷1605	1465÷1555	2015÷2105	1965÷2055
SAFETY	Payload (*) including the driver:	kg	2100	2100	2100	2100
		kg	2400	2400	2400	2400
STARTING AND DRIVING	Maximum permitted loads (**)	kg	3500	3500	4000	4000
		kg	2500	2500	2500	2500
WARNING LIGHTS AND MESSAGES	Towable loads	kg	750	750	750	750
		kg	120	120	100	100
IN AN EMERGENCY	Maximum load on the ball joint (braked trailer):	kg	120	120	100	100
		kg				

(*) If special equipment is fitted (sunroof, tow hitch, etc.) the unladen vehicle weight increases, thus reducing the specified payload.

(**) Loads not 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	130/150 Multijet	115 Multijet	130/150 Multijet
Unladen weight (*) (with all fluids, fuel tank filled to 90% and without optional equipment):	kg 1600	1580÷1615	1580÷1615	1595÷1630
Maximum permitted loads (**)				
– front axle:	kg 1630	1630	1750	1750
– rear axle:	kg 1650	1650	1900	1900
– total:	kg 3000	3000	3300	3300
Towable loads				
– braked trailer:	kg 2000	2500	2000	2500
– non braked trailer:	kg 750	750	750	750
Maximum load on the ball joint (braked trailer):	kg 100	100	100	100

(*) If special equipment is fitted (sunroof, tow hitch, etc.) the unladen vehicle weight increases, thus reducing the specified payload.

(**) Loads not 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

130 Multijet

Unladen weight (*)

(with all fluids, fuel tank filled to 90% and without optional equipment):

kg

1580 ÷ 1615

1595 ÷ 1630

Maximum permitted loads (**)

– front axle:

kg

1850

1850

– rear axle:

kg

2000

2000

– total:

kg

3500

3500

Towable loads

– braked trailer:

kg

2000

2500

– non braked trailer:

kg

750

750

Maximum load on the ball

joint (braked trailer):

kg

100

100

(*) If special equipment is fitted (sunroof, tow hitch, etc.) the unladen vehicle weight increases, thus reducing the specified payload.

(**) Loads not be exceeded. The driver is responsible for arranging goods in the luggage compartment and/or on the 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	
		130 Multijet	180 Multijet Power	130 Multijet	180 Multijet Power
Unladen weight (with all fluids, fuel tank filled to 90% and without optional equipment):	kg	1655÷1685	1705÷1735	1655÷1685	1705÷1735
Payload (*) including the driver:	kg	1815÷1845	1765÷1795	2315÷2345	2265÷2295
Maximum permitted loads (**)					
– front axle:	kg	2100	2100	2100	2100
– rear axle:	kg	2400	2400	2400	2400
– total:	kg	3500	3500	4000	4000
Towable loads					
– braked trailer:	kg	3000	3000	2500	2500
– non braked trailer:	kg	750	750	750	750
Maximum load on the ball joint (braked trailer):	kg	120	120	100	100

(*) If special equipment is fitted (sunroof, tow hitch, etc.) the unladen vehicle weight increases, thus reducing the specified payload.

(**) Loads not 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

KNOWING
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3000 kg GVW versions

115 Multijet (□)

130 Multijet (□)

180 Multijet Power (□)

SAFETY

Unladen weight (*)
(with all fluids, fuel tank filled to
90% and without optional equipment): kg

1590÷1630

1605÷1635

1655÷1695

STARTING
AND
DRIVING

Maximum permitted loads (**)

– front axle: kg
– rear axle: kg
– total: kg

1630

1650

3000

1630

1650

3000

1630

1650

3000

WARNING
LIGHTS AND
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Towable loads

– braked trailer: kg
– non braked trailer: kg

2000

750

2500

750

2500

750

IN AN
EMERGENCY

Maximum load on the ball
joint (braked trailer): kg

100

100

100

(□) Chassis version

(*) If special equipment is fitted (sunroof, tow hitch, etc.) the unladen vehicle weight increases, thus reducing the specified payload.

(**) Loads not 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	I 115 Multijet (□)	I 115 Multijet (▼)	I 130 Multijet (□)	I 150 Multijet (□)	I 150 Multijet (▼)	I 180 Multijet Power (□)
Unladen weight (with all fluids, fuel tank filled to 90% and without optional extras) (*): kg	1590 ÷ 1640	1545 ÷ 1560	1605 ÷ 1655	1605 ÷ 1655	1560 ÷ 1580	1655 ÷ 1705
Maximum permitted loads (**)						
– front axle: kg	1750	1750	1750	1750	1750	1750
– rear axle: kg	1900	1900	1900	1900	1900	1900
– total: kg	3300	3300	3300	3300	3300	3300
Towable loads						
– braked trailer: kg	2000	2000	2500	2500	2500	2500
– non braked trailer: kg	750	750	750	750	750	750
Maximum load on the ball joint (braked trailer): kg	100	100	100	100	100	100

(□) Chassis version

(▼) Special version

(*) If special equipment is fitted (sunroof, tow hitch, etc.) the unladen vehicle weight increases, thus reducing the specified payload.

(**) Loads not be exceeded. The driver is responsible for arranging goods in the luggage compartment and/or on the load platform within the maximum permitted loads.

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CHASSIS CAB FRAME WEIGHTS

		115 Multijet (□)	115 Multijet (▼)	130 Multijet (□)	150 Multijet (□)	150 Multijet (▼)	180 Multijet Power (□)
3500 kg GVW versions							
Unladen weight (with all fluids, fuel tank filled to 90% and without optional extras) (*):	kg	1590÷1640	1545÷1575	1605÷1655	1605÷1655	1560÷1590	1655÷1705
Maximum permitted loads (**)							
– front axle:	kg	1850	1850	1850	1850	1850	1850
– rear axle:	kg	2000	2000	2000	2000	2000	2000
– total:	kg	3500	3500	3500	3500	3500	3500
Towable loads							
– braked trailer:	kg	2000	2000	2500	2500	2500	2500
– non braked trailer:	kg	750	750	750	750	750	750
Maximum load on the ball joint (braked trailer):	kg	100	100	100	100	100	100

(□) Chassis version

(▼) Special version

(*) If special equipment is fitted (sunroof, tow hitch, etc.) the unladen vehicle weight increases, thus reducing the specified payload.

(**) Loads not be exceeded. The driver is responsible for arranging goods in the luggage compartment and/or on the load platform within the maximum permitted loads.

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CHASSIS CAB FRAME WEIGHTS (MAXI versions)

3500 kg GVW versions		130 Multijet (□)	180 Multijet Power (□)	130 Multijet (▼)	180 Multijet Power (▼)
Unladen weight (with all fluids, fuel tank filled to 90% and without optional equipment):	kg	1675÷1710	1725÷1760	1610÷1630	1660÷1680
Payload (*) including the driver:	kg	1790÷1825	1740÷1775	1870÷1890	1820÷1840
Maximum permitted loads (**)					
– front axle:	kg	2100	2100	2100	2100
– rear axle:	kg	2400	2400	2400	2400
– total:	kg	3500	3500	3500	3500
Towable loads					
– braked trailer:	kg	2500	2500	2500	2500
– non braked trailer:	kg	750	750	750	750
Maximum load on the ball joint (braked trailer):	kg	120	120	120	120

(□) Chassis version

(▼) Special version

(*) If special equipment is fitted (sunroof, tow hitch, etc.) the unladen vehicle weight increases, thus reducing the specified payload.

(**) Loads not to be exceeded. The driver is responsible for arranging goods in the luggage compartment and/or on the load platform within the maximum permitted loads.

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CHASSIS CAB FRAME WEIGHTS (MAXI versions)

4000 kg GVW versions		130 Multijet (□)	180 Multijet Power (□)	130 Multijet (▼)	180 Multijet Power (▼)	
SAFETY	Unladen weight (with all fluids, fuel tank filled to 90% and without optional equipment):	kg	1675÷1710	1725÷1760	1610÷1630	1660÷1680
	Payload (*) including the driver:	kg	2290÷2325	2240÷2275	2370÷2390	2320÷2340
STARTING AND DRIVING	Maximum permitted loads (**)					
	– front axle:	kg	2100	2100	2100	2100
WARNING LIGHTS AND MESSAGES	– rear axle:	kg	2400	2400	2400	2400
	– total:	kg	4000	4000	4000	4000
IN AN EMERGENCY	Towable loads					
	– braked trailer:	kg	2500	2500	2500	2500
	– non braked trailer:	kg	750	750	750	750
	Maximum load on the ball joint (braked trailer):	kg	100	100	100	100

(□) Chassis version

(▼) Special version

(*) If special equipment is fitted (sunroof, tow hitch, etc.) the unladen vehicle weight increases, thus reducing the specified payload.

(**) Loads not be exceeded. The driver is responsible for arranging goods in the luggage compartment and/or on the load platform within the maximum permitted loads.

CHASSIS COWL WEIGHTS (MAXI versions)

3500 kg GVW versions		130 Multijet (□)	180 Multijet Power (□)	130 Multijet (▼)	180 Multijet Power (▼)
Unladen weight (with all fluids, fuel tank filled to 90% and without optional equipment):	kg	1375÷1410	1425÷1460	1310÷1330	1360÷1380
Payload (*) including the driver:	kg	2090÷2125	2040÷2075	2170÷2190	2120÷2140
Maximum permitted loads (**)					
– front axle:	kg	2100	2100	2100	2100
– rear axle:	kg	2400	2400	2400	2400
– total:	kg	3500	3500	3500	3500
Towable loads					
– braked trailer:	kg	2500	2500	2500	2500
– non braked trailer:	kg	750	750	750	750
Maximum load on the ball joint (braked trailer):	kg	120	120	120	120

(□) Chassis version

(▼) Special version

(*) If special equipment is fitted (sunroof, tow hitch, etc.) the unladen vehicle weight increases, thus reducing the specified payload.

(**) Loads not to be exceeded. The driver is responsible for arranging goods in the luggage compartment and/or on the load platform within the maximum permitted loads.

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CHASSIS COWL WEIGHTS (MAXI versions)

4000 kg GVW versions		130 Multijet (□)	180 Multijet Power (□)	130 Multijet (▼)	180 Multijet Power (▼)	
SAFETY	Unladen weight (with all fluids, fuel tank filled to 90% and without optional equipment):	kg	1375÷1410	1425÷1460	1310÷1330	1360÷1380
	Payload (*) including the driver:	kg	2590÷2625	2540÷2575	2670÷2690	2620÷2640
STARTING AND DRIVING	Maximum permitted loads (**)					
	– front axle:	kg	2100	2100	2100	2100
WARNING LIGHTS AND MESSAGES	– rear axle:	kg	2400	2400	2400	2400
	– total:	kg	4000	4000	4000	4000
IN AN EMERGENCY	Towable loads					
	– braked trailer:	kg	2500	2500	2500	2500
	– non braked trailer:	kg	750	750	750	750
MAINTENANCE AND CARE	Maximum load on the ball joint (braked trailer):	kg	100	100	100	100

(□) Chassis version

(▼) Special version

(*) If special equipment is fitted (sunroof, tow hitch, etc.) the unladen vehicle weight increases, thus reducing the specified payload.

(**) Loads not be exceeded. The driver is responsible for arranging goods in the luggage compartment and/or on the load platform within the maximum permitted loads.

CREW CAB TRUCK WEIGHTS

		3300 kg GVW versions			3500/4000 kg GVW versions		
		115 Multijet	130 Multijet	180 Multijet Power	115 Multijet	130 Multijet	180 Multijet Power
Unladen weight (with all fluids, fuel tank filled to 90% and without optional equipment):	kg	1950÷2010	1965÷2025	2015÷2075	1950÷2010	1965÷2025	2015÷2075
Payload (*) including the driver:	kg	1290÷1350	1275÷1335	1225÷1285	1490÷1550	1475÷1535	1425÷1485
Maximum permitted loads (**)							
– front axle:	kg	1750	1750	1750	2100	2100	2100
– rear axle:	kg	1900	1900	1900	2400	2400	2400
– total:	kg	3300	3300	3300	3500	3500	3500
Towable loads							
– braked trailer:	kg	2000	2500	2500	2500	2500	2500
– non braked trailer:	kg	750	750	750	750	750	750
Maximum load on the ball joint (braked trailer):	kg	100	100	100	120	120	120

(*) If special equipment is fitted (sunroof, tow hitch, etc.) the unladen vehicle weight increases, thus reducing the specified payload.

(**) Loads not be exceeded. The driver is responsible for arranging goods in the luggage compartment and/or on the load platform within the maximum permitted loads.

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KNOWING
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Unladen weight
(with all fluids, fuel tank filled to
90% and without optional equipment):

kg

2005÷2105

2055÷2155

Payload (*) including the driver:

kg

1395÷1495

1345÷1445

Maximum permitted loads (**)

– front axle:

kg

2100

2100

– rear axle:

kg

2400

2400

– total:

kg

3500

3500

Towable loads

– braked trailer:

kg

2500

2500

– non braked trailer:

kg

750

750

Maximum load on the ball
joint (braked trailer):

kg

120

120

(*) If special equipment is fitted (sunroof, tow hitch, etc.) the unladen vehicle weight increases, thus reducing the specified payload.

(**) Loads not 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	130 Multijet	180 Multijet Power
Unladen weight (with all fluids, fuel tank filled to 90% and without optional equipment):	kg	1935	1950	2000
Payload (*) including the driver:	kg	1065	1050	1000
Maximum permitted loads (**)				
– front axle:	kg	1600	1600	1600
– rear axle:	kg	1650	1650	1650
– total:	kg	3000	3000	3000
Towable loads				
– braked trailer:	kg	2000	2500	2500
– non braked trailer:	kg	750	750	750
Maximum load on the ball joint (braked trailer):	kg	100	100	100

(*) If special equipment is fitted (sunroof, tow hitch, etc.) the unladen vehicle weight increases, thus reducing the specified payload.

(**) Loads not to be exceeded. The driver is responsible for arranging goods in the luggage compartment and/or on the load platform within the maximum permitted loads.

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COMBI WEIGHTS

		3300 kg GVW versions			3500 kg GVW versions		
		115 Multijet	130 Multijet	180 Multijet Power	130 Multijet	180 Multijet Power	
KNOWING YOUR CAR	Unladen weight (with all fluids, fuel tank filled to 90% and without optional equipment):	kg	1935÷2045	1950÷2060	2000÷2100	2125	2175
	Payload (*) including the driver:	kg	1255÷1365	1240÷1350	1190÷1300	1375	1325
SAFETY	Maximum permitted loads (**)						
	– front axle:	kg	1750	1750	1750	2100	2100
STARTING AND DRIVING	– rear axle:	kg	1900	1900	1900	2440	2440
	– total:	kg	3300	3300	3300	3500	3500
WARNING LIGHTS AND MESSAGES	Towable loads						
	– braked trailer:	kg	2000	2500	2500	2500	2500
IN AN EMERGENCY	– non braked trailer:	kg	750	750	750	750	750
	Maximum load on the ball joint (braked trailer):	kg	100	100	100	100	100
MAINTENANCE AND CARE							

(*) If special equipment is fitted (sunroof, tow hitch, etc.) the unladen vehicle weight increases, thus reducing the specified payload.

(**) Loads not be exceeded. The driver is responsible for arranging goods in the luggage compartment and/or on the load platform within the maximum permitted loads.

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COMBI WEIGHTS (MAXI versions)

3500 kg GVW versions

		130 Multijet	180 Multijet Power
Unladen weight (with all fluids, fuel tank filled to 90% and without optional equipment):	kg	2100	2150
Payload (*) including the driver:	kg	1400	1350
Maximum permitted loads (**)			
– front axle:	kg	2100	2100
– rear axle:	kg	2400	2400
– total:	kg	3500	3500
Towable loads			
– braked trailer:	kg	3000	3000
– non braked trailer:	kg	750	750
Maximum load on the ball joint (braked trailer):	kg	120	120

(*) If special equipment is fitted (sunroof, tow hitch, etc.) the unladen vehicle weight increases, thus reducing the specified payload.

(**) Loads not 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

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3000 kg GVW versions

3300 kg GVW versions

SAFETY

Unladen weight
(with all fluids,
fuel tank filled to 90%
and without
optional equipment):

		115 Multijet	130 Multijet	180 Multijet Power	115 Multijet	130 Multijet	180 Multijet Power
kg		2200	2215	2265	2200÷2285	2215÷2300	2265÷2350
kg	Payload (*) including the driver:	800	785	735	1015÷1100	1000÷1085	950÷1035
kg	Maximum permitted loads (**)						
kg	– front axle:	1630	1630	1630	1750	1750	1750
kg	– rear axle:	1650	1650	1650	1900	1900	1900
kg	– total:	3000	3000	3000	3300	3300	3300
kg	Towable loads						
kg	– braked trailer:	2000	2500	2500	2000	2500	2500
kg	– non braked trailer:	750	750	750	750	750	750
kg	Maximum load on the ball joint (braked trailer):	100	100	100	100	100	100

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(*) If special equipment is fitted (sunroof, tow hitch, etc.) the unladen vehicle weight increases, thus reducing the specified payload.

(**) Loads not be exceeded. The user is responsible for arranging goods in the luggage compartment and/or load platform within the maximum permitted loads.

CAPACITIES

	115	130	150	180	Prescribed fuels Original products
	Multijet	Multijet	Multijet	Multijet Power	
	litres	litres	litres	litres	
Fuel tank: including a reserve of:	90 (*) 10/12	90 (*) 10/12	90 (*) 10/12	90 (*) 10/12	Diesel fuel for motor vehicles (EN 590 standard)
Engine cooling system:	8 (▼)	9.6 (▼)	9.6 (▼)	10 (▼)	Mixture of 50% distilled water and PARAFLU^{UP} (▲)
Engine sump: Engine sump and filter:	4.9 5.7	5.3 5.9	5.3 5.9	8 9	SELENIA WR P.E.
Gearbox casing/ differential:	2.9 (■)	2.7 (□) (○) 2.9 (■) (●)	2.7 (□)	2.9 (■)	TUTELA CAR EXPERYA (□) TUTELA CAR MATRIX (■)
Hydraulic brakes circuit with ABS: ASR/ESP:	0.6 0.62	0.6 0.62	0.6 0.62	0.6 0.62	TUTELA TOP 4
Hydraulic power steering:	1.5	1.5	1.5	1.5	TUTELA CAR G/I/E
Windscreen washer fluid reservoir: with headlamp washers:	5.5 5.5	5.5 5.5	5.5 5.5	5.5 5.5	Mixture of water and TUTELA PROFESSIONAL SC 35

(*) It is possible to request a 120 litre capacity tank on all versions (with 12 l reserve).
On „Recreational versions“, a 60 litre capacity tank may be ordered (with 10 l reserve).

(▼) With Webasto: +1/4 liter - Underseat heater 600 cc: +1 liter - Rear heater 900 cc: +1.5 liter

(▲) When the vehicle is used in particularly harsh weather conditions, we recommend using a mixture of 60% **PARAFLU^{UP}**
and 40% distilled water.

(○) MLGU gearbox

(●) M38 gearbox

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FLUIDS AND LUBRICANTS

SPECIFICATIONS AND RECOMMENDED PRODUCTS

	Use	Quality specifications of fluids and lubricants for correct vehicle operation	Genuine lubricants and fluids	Replacement interval
SAFETY	Diesel engine lubricants	SAE 5W-30 grade synthetic base lubricant. FIAT 9.55535-S1 certification.	SELENIA WR P.E. (▲) Contractual Technical Reference No. 510.D07	According to Scheduled Servicing Plan
STARTING AND DRIVING		Synthetic base lubricant, SAE 75W-80 grade that exceeds API GL-4 specifications	TUTELA CAR EXPERYA Contractual Technical Reference No. F178.B06	Manual gearbox and differential
WARNING LIGHTS AND MESSAGES	Lubricants and greases for motion transmission	Synthetic base lubricant, SAE 75W-85 grade that exceeds API GL-4 specifications	TUTELA CAR MATRYX Contractual Technical Reference No. F108.F02	Manual gearbox and differential
IN AN EMERGENCY		Lithium soap grease with molybdenum disulphide. NI.GI. 2 consistency	TUTELA STAR 500	Wheel side constant velocity joints
MAINTENANCE AND CARE		Lithium-based grease NI.GI. 0 consistency	TUTELA MRM ZERO	Differential side constant velocity joints
		Poly-urea synthetic-based grease suitable for high temperatures. NI.GI. 2 consistency	TUTELA STAR 325 Contractual Technical Reference No. F301.D03	Differential side constant velocity joints
		Lubricant for power steering and automatic transmissions. Exceeds ATF DEXRON III	TUTELA GI/E Contractual Technical Reference No. F001.C94	Hydraulic power steering Lubricants

(▲) For diesel engines, in the event of an emergency in which the original products are not available, lubricants with at least ACEA C2 performance are acceptable; however, in this case optimum engine performance is not guaranteed and the lubricants should be replaced with recommended products as soon as possible at a Fiat Dealership.

The use of products with lower specifications than ACEA C2 could cause damage to the engine not covered by the warranty. For particularly harsh climate conditions, ask a Fiat Dealership for the appropriate product from **PETRONAS LUBRICANTS**.

Use	Fluid and lubricant specifications for correct vehicle operation	Genuine lubricants and fluids	Replacement interval
Brake fluid	Synthetic fluid, NHTSA n° 116 DOT 4, ISO 4925 SAE J-1704, CUNA NC 956-01. FIAT classification 9.55597	TUTELA TOP 4 Contractual Technical Reference N° F001.A93	Hydraulic brakes and clutch hydraulic controls
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 9.555323 .	PARAFLU^{UP} (*) Contractual Technical Reference N° F101.M01	Cooling circuits percentage of use: 50% water 50% PARAFLU^{UP} (□)
Diesel additive	Additive for diesel antifreeze, protecting diesel engines	TUTELA DIESEL ART Contractual Technical Reference N° F601.L06	To be mixed with diesel (25 cc per 10 litres)
Windscreen washer fluid (*)	Miscela di alcoli e tensioattivi. Supera la specifica CUNA NC 956-11. Qualificazione FIAT 9.55522 .	TUTELA PROFESSIONAL SC 35 Contractual Technical Reference N° F201.D02	To be used neat or dilute in screen washer systems

IMPORTANT Do not use fluids with different specifications for topping up or mixing.

(□) When the vehicle is used under particularly harsh climate conditions, we recommend using a mixture of 60% **PARAFLU^{UP}** and 40% demineralised water.

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FUEL CONSUMPTION

The fuel consumption figures given in the table below are determined on the basis of the homologation tests set down by specific European Directives. The procedures below are followed for measuring consumption:

urban cycle: cold starting followed by driving that simulates urban use of the vehicle; **extra-urban cycle:** frequent accelerations in all gears, simulating extra-urban use of the vehicle: speed varies between 0 and 120 km/h; **mixed cycle:** is calculated weighing about 37% of urban cycle consumption and about 63% of extra-urban consumption.

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.

According to the European Directive in force (litres/100 km)

Versions	Gross vehicle weight	Consumptions		
		Urban	Extra-urban	Mixed
COMBI				
I 15 Multijet	30q	8.0	5.4	6.4
	33q	8.3	5.7	6.7
	35q	8.3	5.7	6.7
I 30 Multijet	30q	8.3	5.6	6.6
	33q	8.5	5.9	6.9
	35q	8.5	5.9	6.9
I 50 Multijet	30q	8.3	5.6	6.6
	33q	8.5	5.9	6.9
	35q	8.5	5.9	6.9
I 80 Multijet Power	30q	9.5	5.5	7.0
	33q	10.3	6.0	7.6
	35q	10.7	6.4	8.0
PANORAMA				
I 15 Multijet	30q-33q	8.6	6.0	7.0
I 30 Multijet	30q-33q	8.7	6.1	7.1
I 50 Multijet	30q-33q	8.7	6.1	7.1
I 80 Multijet Power	30q-33q	10.7	6.4	8.0

	Versions	Gross vehicle weight	Consumptions		
			Urban	Extra-urban	Mixed
115 Multijet	Van CHI/Box truck CHI MHI MLHI/ Cab chassis and double cab (*)/ Flatbed cab (*)/Chassis cowl (*)	2800 Light, 3000 Light, 3300 Light, 3500 Light	8.0	6.1	6.8
	Van MHI LHI/box truck LHI/double cab, MHI	3000 Light, 3300 Light, 3500 Light	8.2	6.3	7.0
	Van LHI/Double cab LHI	3300 Light, 3500 Light	8.5	6.5	7.2
130 Multijet	Van CHI/Box truck CHI MHI/ Cab chassis and double cab (*)/ Flatbed cab (*)/Chassis cowl (*)	3000 Light, 3300 Light, 3500 Light	8.3	6.4	7.1
	Van CHI MHI/box truck MHI MLHI LHI/ double cab MHI	3000 Light, 3300 Light, 3500 Light, 3500 Maxi, 4005, 4250 Maxi	8.5	6.4	7.2
	Van LHI/Double cab LHI, MHI	3300 Light, 3500 Light, 3500 Maxi, 4005, 4250 Maxi	8.8	6.6	7.4
180 Multijet	Box truck CHI/Cab chassis and double cab (*)/ Flatbed cab (*)/Chassis cowl (*)	3000 Light, 3300 Light, 3500 Light	9.7	6.5	7.7
	Van CHI MHI/box truck MHI MLHI LHI	3000 Light, 3300 Light, 3500 Light	10.1	6.7	8.0
	Van CHI/Box truck MHI MLHI/ Cab chassis and double cab (*)/ Flatbed cab (*)/Chassis cowl (*)	3500 Maxi, 4005, 4250 Maxi	10.3	6.8	8.1
	Cab chassis (*)/Chassis cowl (*)	3300 Light, 3500 Light, 3650 Light, 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
	Van LHI/Box truck LHI/Double cab MHI LHI	3300 Light, 3500 Light	11.1	7.1	8.5

(*) Such consumption is meant for vehicles before the conversion.

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CO₂ EMISSIONS

The CO₂ emission levels at the exhaust given in the following tables refer to combined consumption.

According to the European Directive in force (g/km)

Versions	Gross vehicle weight	Emissions
COMBI		
115 Multijet	30q	166
	33q	174
	35q	182
130 Multijet	30q	173
	33q	180
	35q	180
150 Multijet	30q	173
	33q	180
	35q	180
180 Multijet Power	30q	184
	33q	200
	35q	210
PANORAMA		
115 Multijet	30q-33q	182
130 Multijet	30q-33q	186
150 Multijet	30q-33q	186
180 Multijet Power	30q-33q	210

	Versions	Gross vehicle weight	CO ₂ Emissions
			Mixed
115 Multijet	Van CHI/Box truck CHI MHI MLHI/ Cab chassis and double cab (*)/ Flatbed cab (*)/Chassis cowl (*)	2800 Light, 3000 Light, 3300 Light, 3500 Light	179
	Van MHI LHI/box truck LHI/double cab, MHI	3000 Light, 3300 Light, 3500 Light	185
	Van LHI/Double cab LHI	3300 Light, 3500 Light	190
130 Multijet	Van CHI/Box truck CHI MHI/ Cab chassis and double cab (*)/ Flatbed cab (*)/Chassis cowl (*)	3000 Light, 3300 Light, 3500 Light	186
	Van CHI MHI/box truck MHI MLHI LHI/ double cab MHI	3000 Light, 3300 Light, 3500 Light, 3500 Maxi, 4005, 4250 Maxi	189
	Van LHI/Double cab LHI, MHI	3300 Light, 3500 Light, 3500 Maxi, 4005, 4250 Maxi	195
180 Multijet	Box truck CHI/Cab chassis and double cab (*)/ Flatbed cab (*)/Chassis cowl (*)	3000 Light, 3300 Light, 3500 Light	203
	Van CHI MHI/box truck MHI MLHI LHI	3000 Light, 3300 Light, 3500 Light	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 Light, 3500 Light, 3650 Light, 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 Light, 3500 Light	224	

(*) Such consumption is meant for vehicles before the conversion

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ARRANGEMENTS FOR DEALING WITH THE VEHICLE AT THE END OF ITS LIFE

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Fiat has been committed for many years to safeguarding the environment through the constant improvement of its production processes and manufacturing products that are increasingly compatible with the ecosystem.

SAFETY

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.

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The European Directive sets out that when the vehicle is handed over the last keeper or owner should not incur any expenses as a result of its market value.

In particular, in almost all European Union countries, until 1st January 2007, vehicles registered after 1st July 2002 will be collected free of charge, whilst from 2007 collection will be free of charge irrespective of the year of registration as long as the vehicle contains its basic components (in particular, the engine and bodywork) and has no additional waste.

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To hand your vehicle over at the end of its life without extra cost, contact one of our Fiat dealerships or authorised collection and scrapping centres.

These centres have been carefully chosen to offer high quality service for the collection, treatment and recycling of unused vehicles with respect to the environment.

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You can find further information on these collection and scrapping centres either from a Fiat and Fiat Commercial Vehicle Dealership or by calling the freephone number 00800 3428 0000 or on the Fiat website.

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* Vehicle for transporting passengers with a maximum of nine seats with a total permitted weight of 3.5 t

OFFICIAL TYPE APPROVALS



EC - DECLARATION OF CONFORMITY

We,
Magnetit Marelli Sistemi Elettronici S.p.A.
Viale A. Borletti 61/63, 20011 Corbetta, Italy

declare under our sole responsibility that the product:

Product Name: **NBCI250L4**

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

Registriernummer: **G101453R** Anzahl der Anlagen: 1
Registration No.: No. of Annexes:

Bescheinigungsinhaber: **IXFIN MAGNETI MARELLI S.p.A.**
Certificate Holder: **Viale A. Borletti, 61/63
20011 Corbetta (MI), Italy**

Produktbezeichnung: **TRF 192.02, TRF 350.02, TRF 843.02**
Product Designation:

Produktbeschreibung: **Funkanlage geringer Leistung**
Product Description: **Low Power Device**

Produkthersteller: **IXFIN MAGNETI MARELLI S.p.A.**
Product Manufacturer: **Viale A. Borletti, 61/63
20011 Corbetta (MI), Italy**

Prüfergebnis: **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
- Zertifizierungsinstitut -
Bohlwiese 5
91320 Ebermannstadt
Germany
Tel.: 09194-9331 Fax: -795484
Ebermannstadt, 2003-10-06
Ort, Ausstellungsdatum
Place, Date of Issue

Edo de Bultr
Unterschiedet von / Signed by Edo de Bultr
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:
- Schematic diagram
- Parts List
- PCB layout

3. **Konformitätserklärung** vom: 2003-05-10
Declaration of Conformity dated:

Declaration of Conformity

I hereby declare that the product

TRF 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 99/5/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: EMCCert Dr. Rašek

- **Address:**

Boelwiese 5

91320 Ebermannstadt

Germany

Identification Number: 0678

MANUFACTURER or AUTHORISED REPRESENTATIVE:

- **Address:**

IXFIN MAGNETI MARELLI 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.

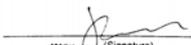
- **Point of contact:**

Ing. G. Bergamaschi Tel. +39.02.97221 Fax +39.02.97227740

(Name, telephone and fax number)

Corbetta 10.05.2003

(Place, date of issue)



Name and address of the manufacturer
MARELLI
Via A. Borletti, 61/63
20011 Corbetta (MI)
Italy

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The range also includes Selenia StAR Pure Energy, Selenia Racing, Selenia K, Selenia WR, Selenia 20K, Selenia 20K AR. For further information on Selenia products visit the web site www.selenia.com.

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