



# **FIAT DUCATO**

**OWNER  
HANDBOOK**

## Dear Customer,

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

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

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

You will find information, tips and important warnings regarding the driving of your vehicle to help you derive the maximum from your Fiat Ducato technological features.

We would like to point out Fiat's commitment in protecting the environment through "total material recycling": at the end of your Fiat Ducato useful lifespan, any Fiat dealer would be pleased to make arrangements for your vehicle to be recycled properly and ecologically (in compliance with current law regulations). Nature benefits in two ways: there's no pollution from waste disposal and the demand for raw materials is reduced.

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



personal safety;



the vehicle wellbeing;



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.

Best regards and good motoring!

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

# MUST BE READ!

## REFUELLING



**Diesel engines:** only refuel with diesel fuel conforming to the European specification EN590.

## ENGINE STARTING



**Diesel engines:** make sure that the handbrake is engaged; set the gearshift lever to neutral; fully depress the clutch pedal, without pressing the accelerator, then turn the ignition key to MAR and wait for the  and  warning lights to go off; turn the ignition key to AVV and release it as soon as the engine has started.

## PARKING ON FLAMMABLE MATERIAL



While working, the catalyst develops a very high temperature. Do not park the vehicle over grass, dry leaves, pine needles or any other inflammable materials: risk of fire.

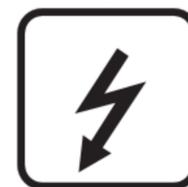
## RESPECTING THE ENVIRONMENT



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

## ELECTRICAL ACCESSORIES

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



## CODE card

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



## SCHEDULED SERVICING

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



## THE OWNER'S MANUAL CONTAINS...

... information, tips and important warnings regarding the safe, correct driving of your vehicle, and its maintenance. Pay particular attention to the symbols  (personal safety)  (environmental protection)  (vehicle wellbeing).



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## DASHBOARD

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

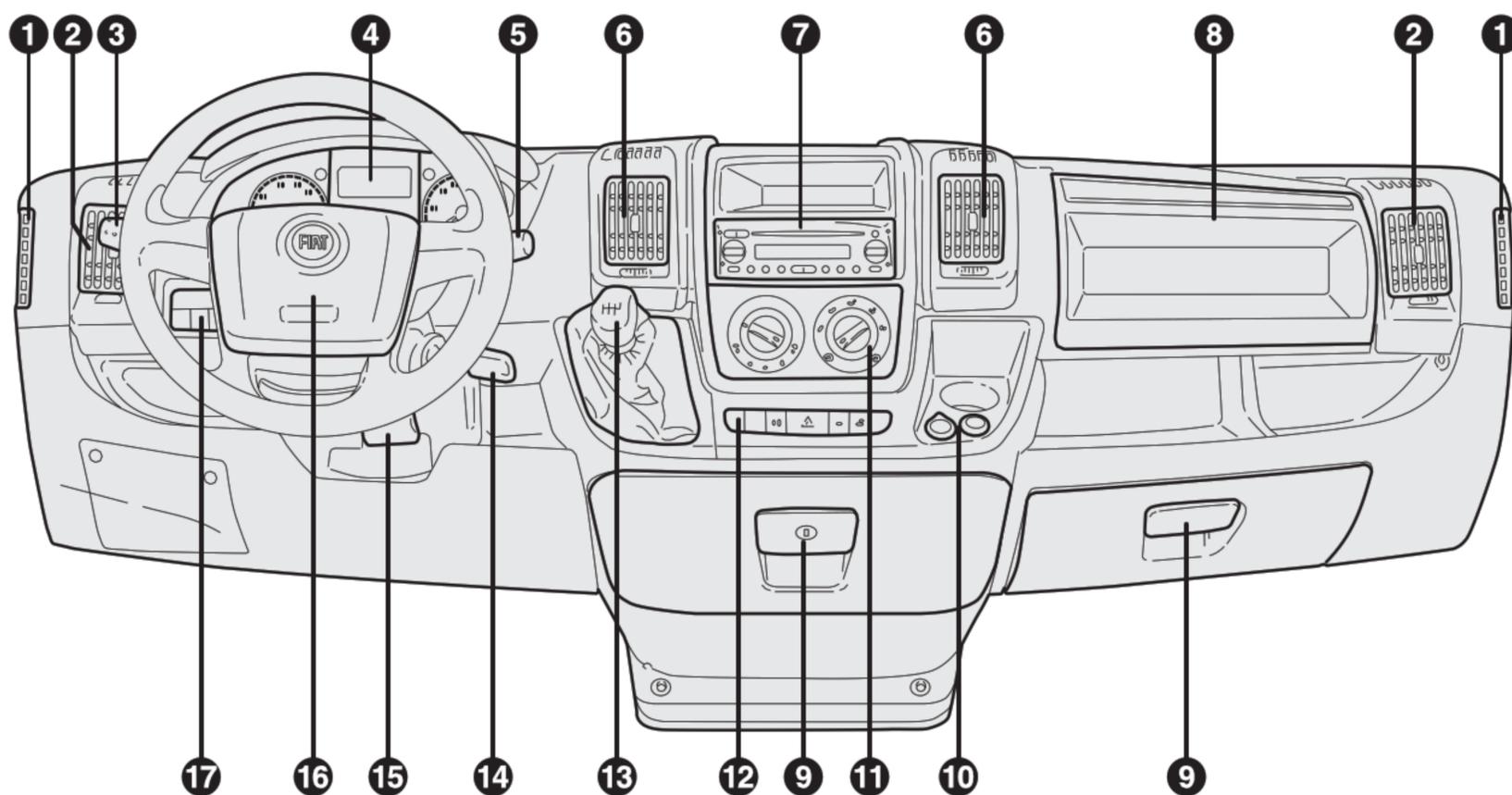


fig. 1

F0N0001m

1. Fixed side air vents - 2. Swivel side air vents - 3. Left steering column stalk: external lights - 4. Instrument panel and warning lights - 5. Right steering column stalk: windscreen, rear window and trip computer controls - 6. Swivel center air vents - 7. Sound system (where provided) - 8. Oddment compartment/Front passenger air bag (where provided) - 9. Glovebox - 10. Cigar lighter/12V outlet - 11. Heating/ventilation/climate controls - 12. Dashboard controls - 13. Gear shift lever - 14. Ignition switch - 15. Steering wheel adjustment lever - 16. Driver's air bag - 17. Control panel: headlights adjustment/digital display/multifunction display.

## SYMBOLS

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

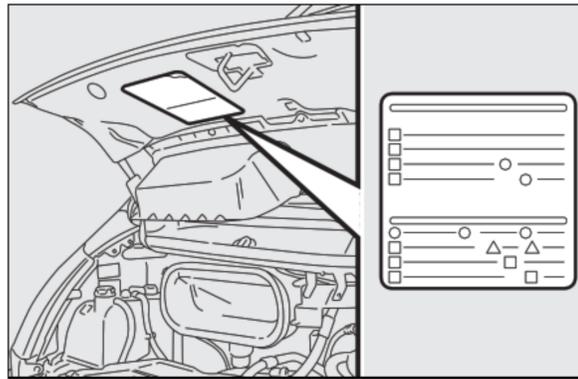


fig. 2

F0N0002m

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

## THE FIAT CODE SYSTEM

To further protect your vehicle from theft, it has been fitted with an engine immobilising system. This system is automatically activated when the ignition key is removed.

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

## OPERATION

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

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

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

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

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

**IMPORTANT** Every key has its own code, which must be memorised by the system control unit. To memorise new keys, up to a maximum of eight, apply to Fiat Dealership.

## Warning light coming on when driving

- If the warning light  turns on, this means that the system is running a self-test (for example for a voltage drop).
- If the warning light  stays on, contact a Fiat Dealership.



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

## THE KEYS

### CODE CARD fig. 3

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

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

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

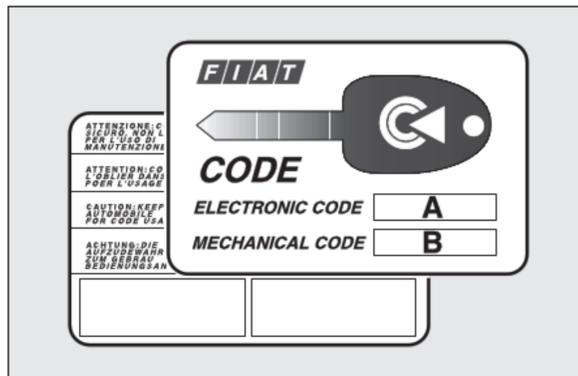


fig. 3

F0N0003m



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

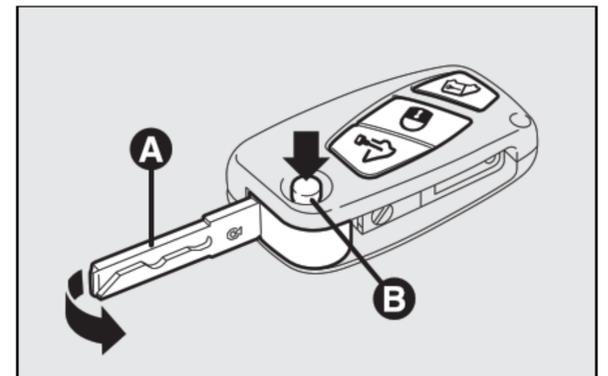


fig. 4

F0N0004m

### KEY WITH REMOTE CONTROL fig. 4

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

- ignition switch;
- door locks;
- fuel filler cap locking/unlocking (where provided).

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

To refit it proceed as follows:

- keep button **B** pressed and move the metal insert **A**;
- release button **B** and turn the metal insert **A** until hearing the proper locking click.



### WARNING

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

Button  shall be used for opening the front doors.

Button  shall be used for locking all doors.

Button  shall be used for opening the load compartment doors.

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

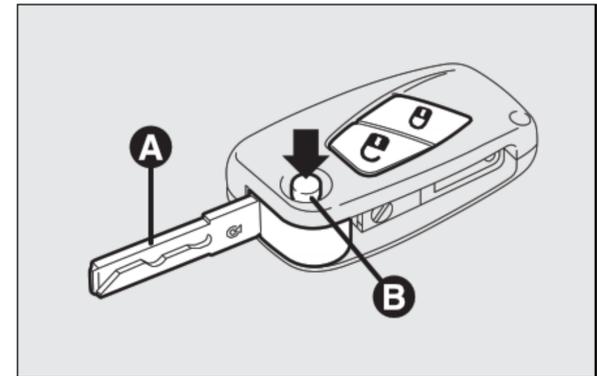


fig. 5

F0N0145m

Certain versions are provided with a key with remote control with two buttons  and  fig. 5.

Button  shall be used for locking all doors.

Button  shall be used for unlocking all doors.

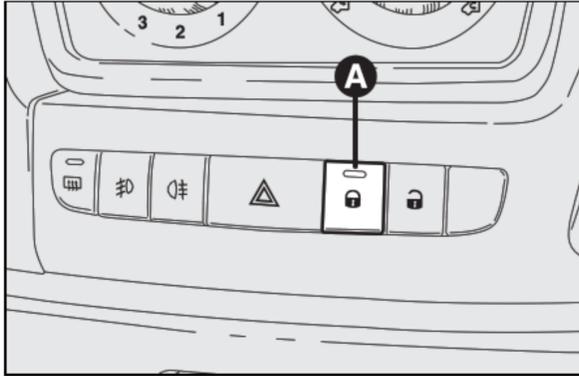


fig. 6

F0N0114m

### Dashboard led indications

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

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

### Request for additional remote controls

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

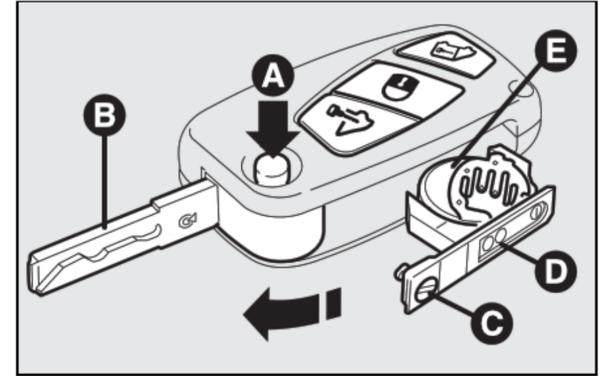


fig. 7

F0N0005m

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

Battery replacement:

- press button **A** and move 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** making sure that the bias is correct;
- refit the battery case **D** inside the key and lock it turning the screw **C** to .



**Used batteries are harmful to the environment. They should be disposed of as specified by law in the special containers provided, or take them to a 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:

- ignition switch;
- door locks;
- fuel filler cap locking/unlocking (where provided).

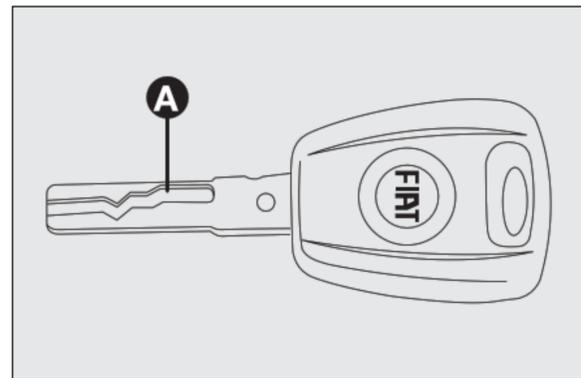


fig. 8

F0N006m

DASHBOARD AND CONTROLS

SAFETY DEVICES

CORRECT USE OF THE VEHICLE

WARNING LIGHTS AND MESSAGES

IN AN EMERGENCY

VEHICLE MAINTENANCE

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

Type of key	Door opening	Door closing form the outside	Dead lock activation (where provided)	Load compartment unlocking	Window opening (where provided)	Window closing (where provided)
Key without remote control	Key turning counterclockwise (driver side)	Key turning clockwise (driver side)	–	–	–	–
Key with remote control	Key turning counterclockwise (driver side)	Key turning clockwise (driver side)	–	–	–	–
	Press briefly button 	Press briefly button 	Double pressing on button 	Press briefly button 	Long press (over 2 seconds) on button 	Long press (over 2 seconds) on button 
Direction indicators flashing (only with key with remote control)	2 flashings	1 flashing	3 flashings	2 flashings	2 flashings	1 flashing
Deterrence led	Turning off	Turning on glowing steadily for about 3 seconds followed by deterrence led flashing	Double flashing, followed by deterrence led flashing	Deterrence led flashing	Turning off	Deterrence led flashing

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

## IGNITION DEVICE

The key can be turned to 4 different positions **fig. 9**:

- ❑ **STOP**: engine off, key can be removed, steering column locked. Certain electrical devices (e.g.: sound system, central door locking...) can work.
- ❑ **MAR**: driving position. All electrical devices are powered.
- ❑ **AVV**: engine starting (unstable position).
- ❑ **PARK**: engine off, parking lights on, steering column locked. To turn the key to **PARK**, press button **A**.

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



### WARNING

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

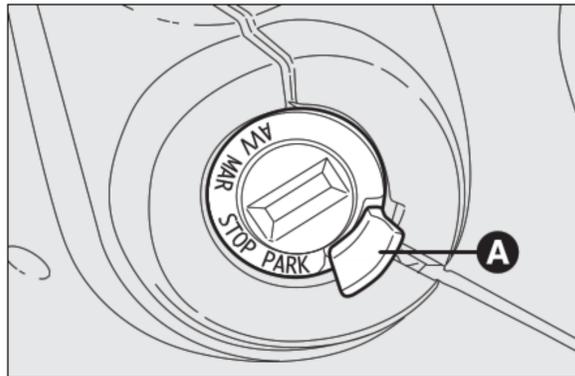


fig. 9

F0N0007m



### WARNING

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

## STEERING COLUMN LOCK

### Engaging

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

### Disengaging

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



### WARNING

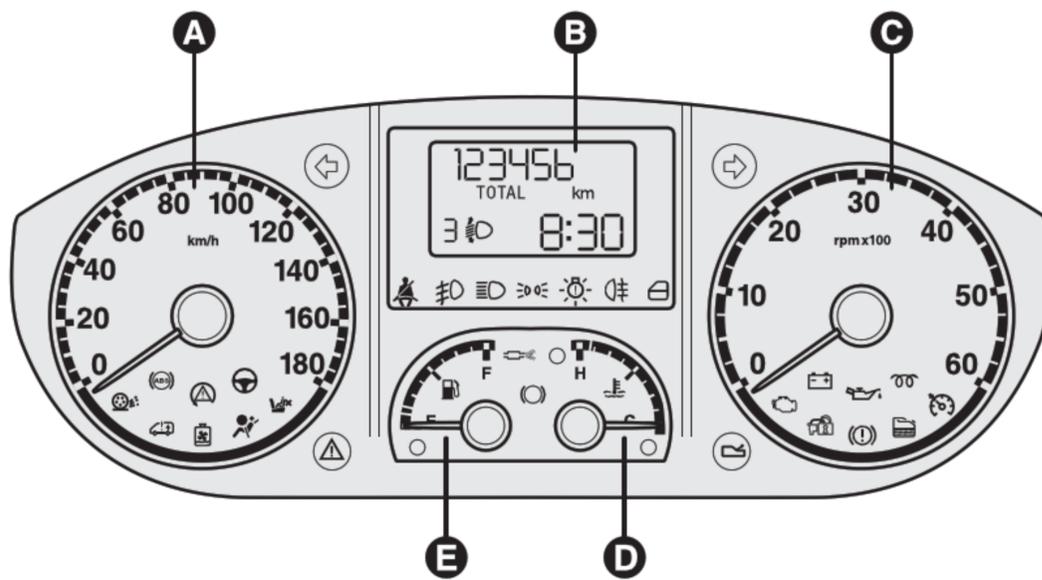
*Never remove the ignition key while the vehicle is moving. The steering wheel would automatically lock as soon as you try to turn it. This also applies when the vehicle is being towed.*



### WARNING

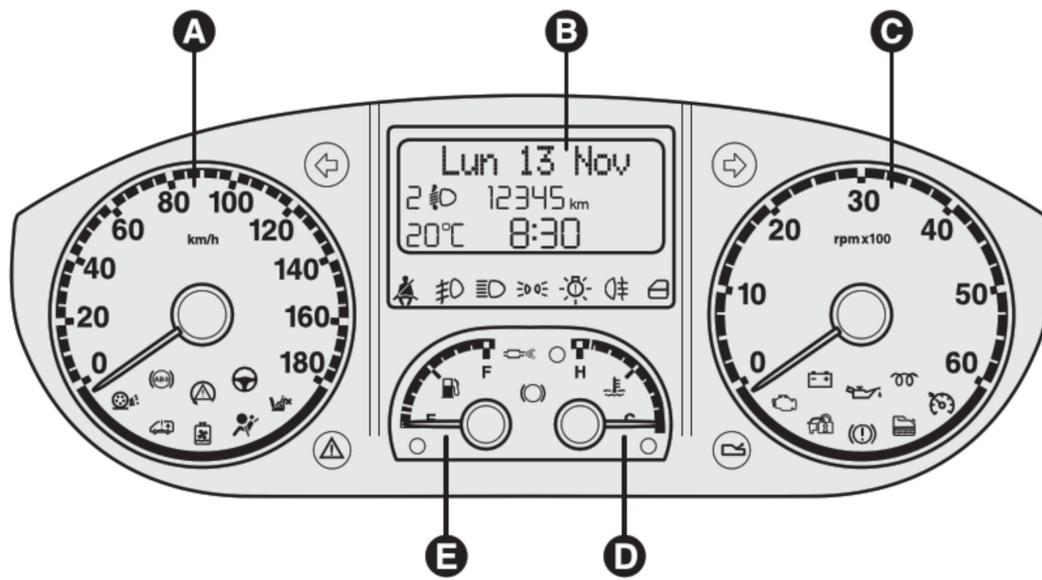
*It is absolutely forbidden to carry out whatever after-market operation involving steering system or steering column modifications (e.g.: installation of anti-theft device) that could badly affect performance and safety, cause the lapse of warranty and also result in non-compliance of the vehicle with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

## INSTRUMENT PANEL



F0N008m

fig. 10



F0N0010m

fig. 11

### Versions with digital display

- A Speedometer (speed indicator)
- B Digital display
- C Rev counter
- D Engine coolant temperature gauge and excessive temperature warning light
- E Fuel level gauge with reserve warning light

### Versions with multifunction display

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

## INSTRUMENTS

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



fig. 12

F0N0012m

### SPEEDOMETER fig. 12

It shows the engine speed.

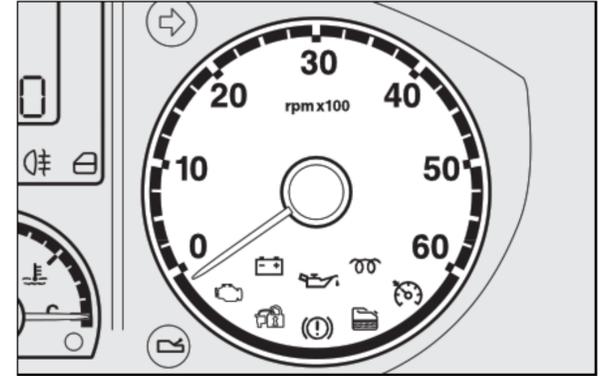


fig. 13

F0N0013m

### REV COUNTER fig. 13

Rev counter shows engine rpm.

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

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

This is normal and takes place for example when activating the climate control system or the fan. In these events a slight increase in engine idling preserves the battery charge.

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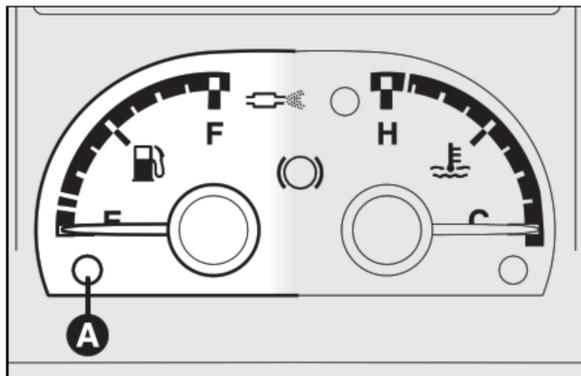


fig. 14

F0N0014m

**FUEL LEVEL GAUGE fig. 14**

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

**E** tank empty.

**F** full tank.

The warning light **A** turns on to indicate that approximately 10/12 litres (according to versions) of fuel are left in the tank.

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

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

**IMPORTANT** Do not turn the supplementary heater (Webasto) on, under fuel reserve conditions.

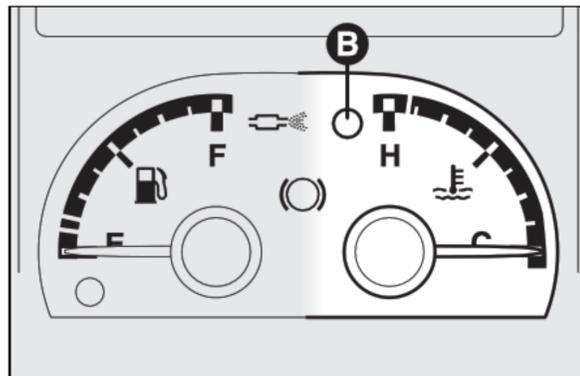


fig. 15

F0N0015m

**ENGINE COOLANT TEMPERATURE GAUGE fig. 15**

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

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

**C** Low engine coolant temperature.

**H** High engine coolant temperature.

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



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

## ENGINE OIL LEVEL GAUGE

This gauge shows the engine oil level.

### Versions with digital display

Turning the ignition key to **MAR**, the display will show the engine oil amount by displaying five symbols.



Partial gradual turning off of the symbols indicates oil decrease.

If the oil level falls below the preset limit (topping up is therefore required), the five dashes will start flashing on the display.

**IMPORTANT** Proper engine oil level shall however be checked by means of the dipstick (see paragraph "Checking levels" in section "Vehicle maintenance").

Few seconds after, engine oil amount symbols will disappear from the display, and:

- ❑ if scheduled servicing interval is near to come, the display will show the distance to cover and the instrument panel warning light  will turn on. When reaching the scheduled servicing interval the display will show some dashes.
- ❑ then, if engine oil change interval is near to come, the display will show on the top of the screen the distance to cover to next oil change together with message "OIL" displayed on the bottom of the screen. When reaching the scheduled servicing interval the display will show five dashes.

### Versions with multifunction display

Turning the ignition key to **MAR** the display will show the oil level by the turning on/off of five symbols.



Partial gradual turning off of the symbols indicates oil decrease.

When the oil level falls below the preset limit the display will show the dedicated message to warn the driver that topping up is required.

**IMPORTANT** Proper engine oil level shall however be checked by means of the dipstick (see paragraph "Checking levels" in section "Vehicle maintenance").

Few seconds after, engine oil amount symbols will disappear from the display, and:

- ❑ if scheduled servicing interval is near to come, the display will show the distance to cover and symbol . When reaching the scheduled servicing interval the display will show a dedicated message.
- ❑ then, if engine oil change interval is near to come, the display will show the distance to cover to next oil change. When reaching the scheduled servicing interval the display will show a dedicated message.

## DIGITAL DISPLAY

### STANDARD SCREEN fig. 16

The standard screen shows the following indications:

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

**Note** With key removed (when opening one of the front doors) the display will turn on and show for a few seconds the km or mi covered.

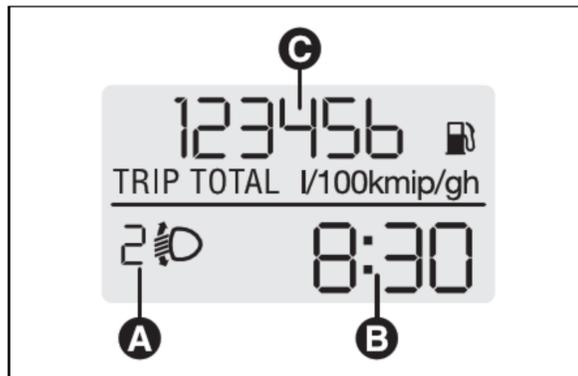


fig. 16

F0N0016m

### CONTROL BUTTONS fig. 17

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

**MODE** Press briefly to display the menu and/or to go to next screen or to confirm the required menu option.  
Long press to go back to the standard screen.

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

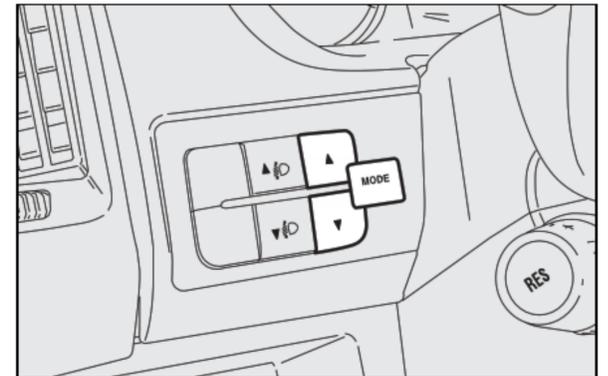


fig. 17

F0N0017m

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

#### Setup menu

- to scroll the menu options upwards and downwards;
- to increase or decrease values during settings.

## SETUP MENU fig. 18

The menu comprises a series of functions arranged in a “circular fashion” which can be selected through buttons ▲ and ▼ to access the different select operations and settings (setup) given in the following paragraphs.

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

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

Handling modes differ with each other according to the characteristic of the option selected.

### Selecting a menu option

- press briefly button **MODE** to select the menu option to set;
- press buttons ▲ and ▼ (by single presses) to select the new setting;
- press briefly button **MODE** to store the new setting and to go back to the previously selected menu option.

### Selecting “Set Clock”

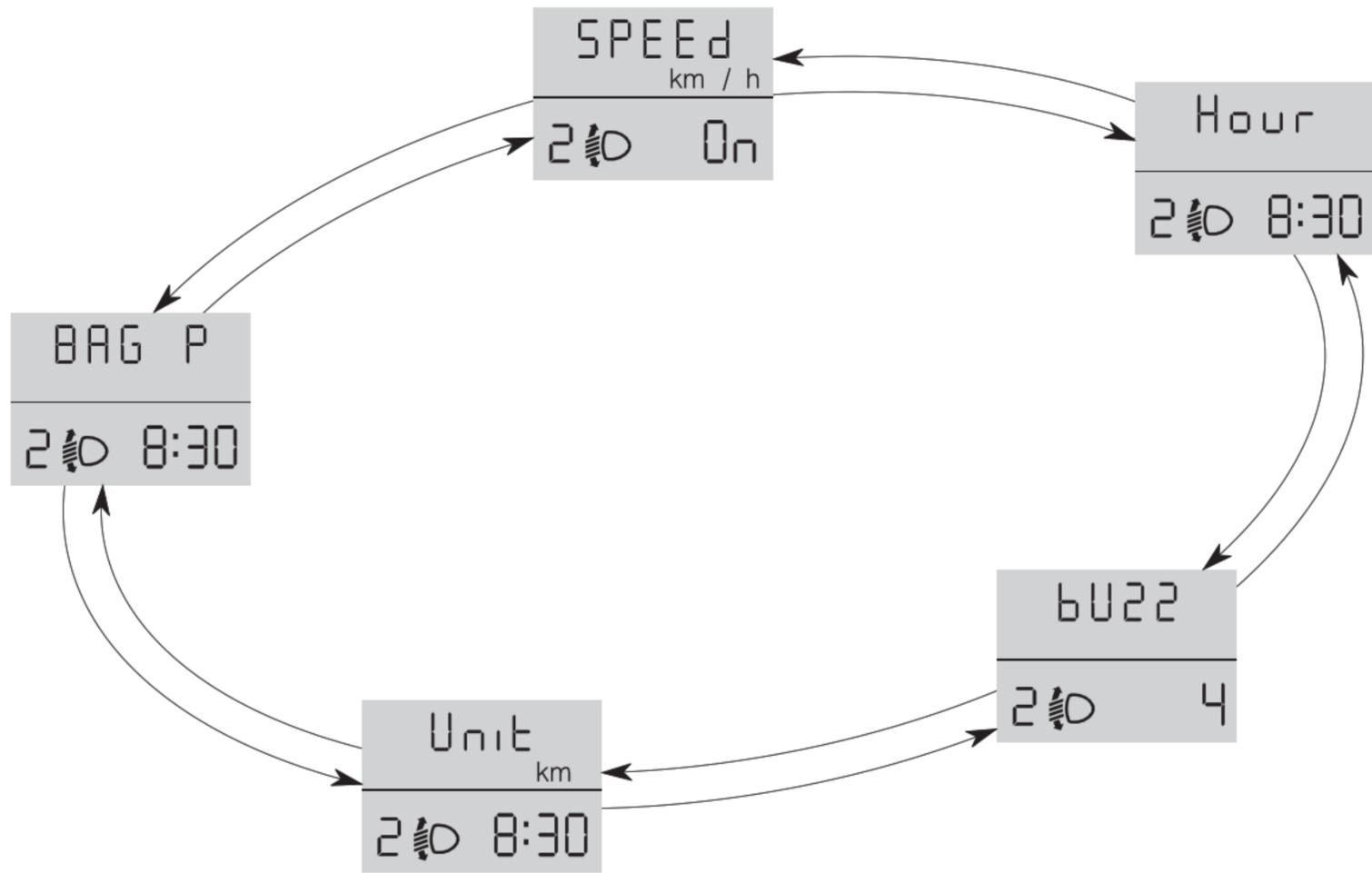
- briefly press button **MODE** to select the first value to change (hours);
- press buttons ▲ and ▼ (by single presses) to select the new setting;
- briefly press button **MODE** to store the new setting and to go to the next setup menu option (minutes);
- after setting the values with the same procedure, you’ll go back to the menu option previously selected.

### Press the button **MODE** for long

- to quit the set up menu if you are in the menu;
- to quit the displayed menu if you are setting an option;
- to save only the settings stored yet (and confirmed by pressing button **MODE**).

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

Briefly press button **MODE** to start surfing from the standard screen. To surf the menu use buttons ▲ or ▼. **Note** For safety reasons, when the vehicle is running, it is possible to access only the reduced menu (for setting "SPEEd"). When the vehicle is stationary access to the whole menu is enabled.



FON1007g

fig. 18

### Setting the speed limit (SPEEd)

With this function it is possible to set 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 speed limit, proceed as follows:

- briefly press button **MODE**, the display will show the wording (SPEEd) and the unit (km/h) or (mph) previously set;
- press button ▲ or ▼ to select speed limit activation (On) or deactivation (OFF);
- if the function has been activated (On), press buttons ▲ or ▼ to select the required speed limit and then press **MODE** to confirm;

**Note** The possible setting is between 30 and 200 km/h, or between 20 and 125 mph depending on the unit set previously (see paragraph “Setting the distance unit (Unit)”) described later. Every press on button ▲/▼ increases/decreases by 5 units. Keeping the button ▲/▼ pressed obtains the automatic fast increase or decrease. When you are near the required setting complete adjustment by single presses.

- briefly press button **MODE** to go back to the menu screen or press the button for long to go back to the standard screen without storing settings.

### Setting the clock (Hour)

With this function it is possible to set the clock.

To set the required unit proceed as follows:

- briefly press button **MODE**, “hours” will flash on the display;
- press button ▲ or ▼ for setting;
- briefly press button **MODE**, “minutes” will flash on the display;
- press button ▲ or ▼ for setting;
- briefly press button **MODE** to go back to the menu screen or press the button for long to go back to the standard screen without storing settings.

### Adjusting the buzzer volume (bUZZ)

This function enables to adjust the volume of the buzzer accompanying any failure/warning indication.

To adjust the volume proceed as follows:

– briefly press button **MODE**, the display will show the wording (bUZZ);

– press button ▲ or ▼ to select the required volume (volume can be adjusted according to 8 levels).

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

### Setting the distance unit (Unit)

With this function it is possible to set the unit.

To set the required unit proceed as follows:

– briefly press button **MODE**, the display will show the wording (Unit) and the previously set unit (km) or (mi);

– press button ▲ or ▼ to select the required distance unit.

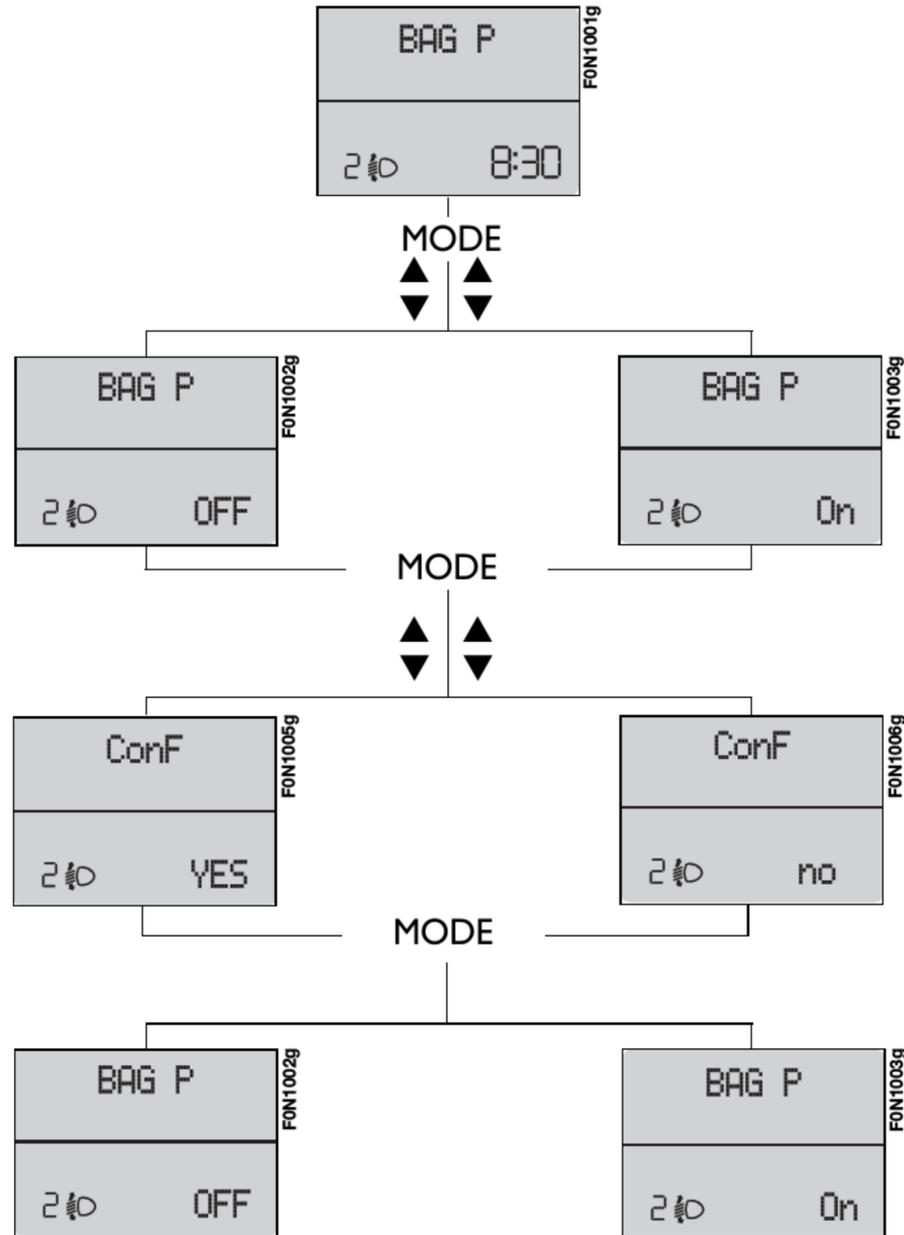
– briefly press button **MODE** to go back to the menu screen or press the button for long to go back to the standard screen without storing settings.

### Front passenger's air bag and side bag (where provided) activation/deactivation (BAG P)

This function shall be used to activate/deactivate the front passenger's air bag.

Proceed as follows:

- press button **MODE** and after displaying the message (BAG P OFF) (to deactivate) or (BAG P On) (to activate) by pressing buttons ▲ or ▼, press again button **MODE**;
- the confirmation request message will be displayed;
- press buttons ▲ or ▼ to select (YES) (confirming activation/deactivation) or (no) (to abort);
- briefly press button **MODE** to confirm setting and to go back to the menu screen or press the button for long to go back to the standard screen without storing settings.



## MULTIFUNCTION DISPLAY (where provided)

The multifunction display shows useful information necessary when driving, in particular:

### INFORMATION ON “STANDARD” SCREEN fig. 19

The standard screen shows the following indications:

- A** Date.
- B** Odometer (covered km or miles).
- C** Clock (always displayed, even with ignition key removed and front doors closed).
- D** External temperature.
- E** Headlight aiming position (only with dipped beam headlights on).

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

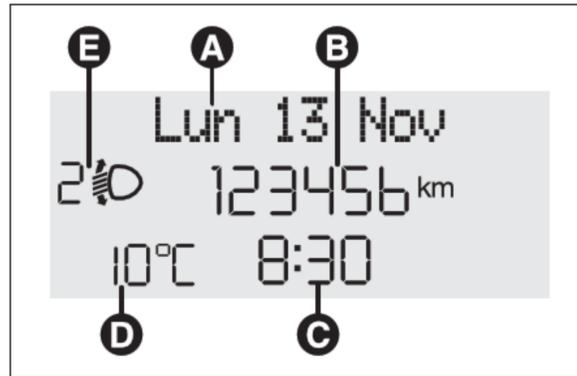


fig. 19

F0N0018m

### CONTROL BUTTONS fig. 20

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

**MODE** Press briefly to display the menu and/or to go to next screen or to confirm the required menu option.  
Long press to go back to the standard screen.

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

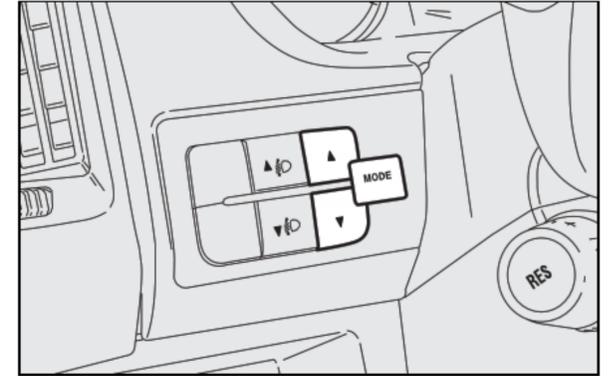


fig. 20

F0N0017m

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

#### To adjust light inside the passenger compartment

– with sidelights on and standard screen active, enable to adjust the light intensity from inside the vehicle

#### Setup menu

– to scroll the menu options upwards and downwards;  
– to increase or decrease values during settings.

## SETUP MENU fig. 21

The menu comprises a series of functions arranged in a “circular fashion” which can be selected through buttons + and – to access the different select operations and settings (setup) given in the following paragraphs. For certain options (Hour and Unit) a submenu is provided.

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

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

Handling modes differ with each other according to the characteristic of the option selected.

*Selecting an option of the main menu without submenu:*

- press briefly button **MODE** to select the main menu option to set;
- press buttons ▲ or ▼ (by single presses) to select the new setting;
- press briefly button **MODE** to store the new setting and to go back to the main menu option previously selected.

*Selecting an option of the main menu with submenu:*

- press briefly button + to display the first submenu option;
- press buttons ▲ or ▼ (by single presses) to scroll all the submenu options;
- press briefly button **MODE** to select the displayed submenu option and to open the relevant setup menu;
- press buttons ▲ or ▼ (by single presses) to select the new setting for this submenu option;
- press briefly button **MODE** to store the new setting and to go back to the previously selected submenu option.

*Selecting “Set Date” and “Set time”:*

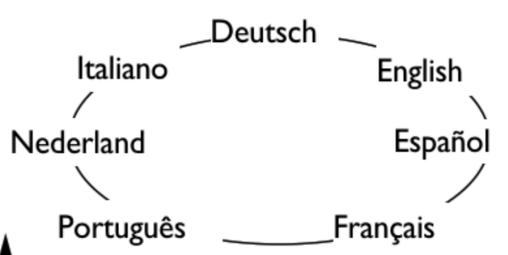
- briefly press button **MODE** to select the first value to change (e.g. hours /minutes or year / month / day);
- press buttons ▲ or ▼ (by single presses) to select the new setting;
- briefly press button **MODE** to store the new setting and to go to the next setup menu option, if this is the last one you will go back to the previously selected option of the main menu.

*Press button MODE for long:*

- to quit the set up menu if you are in the main menu;
- to quit 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 settings stored yet (and confirmed by pressing button **MODE**).

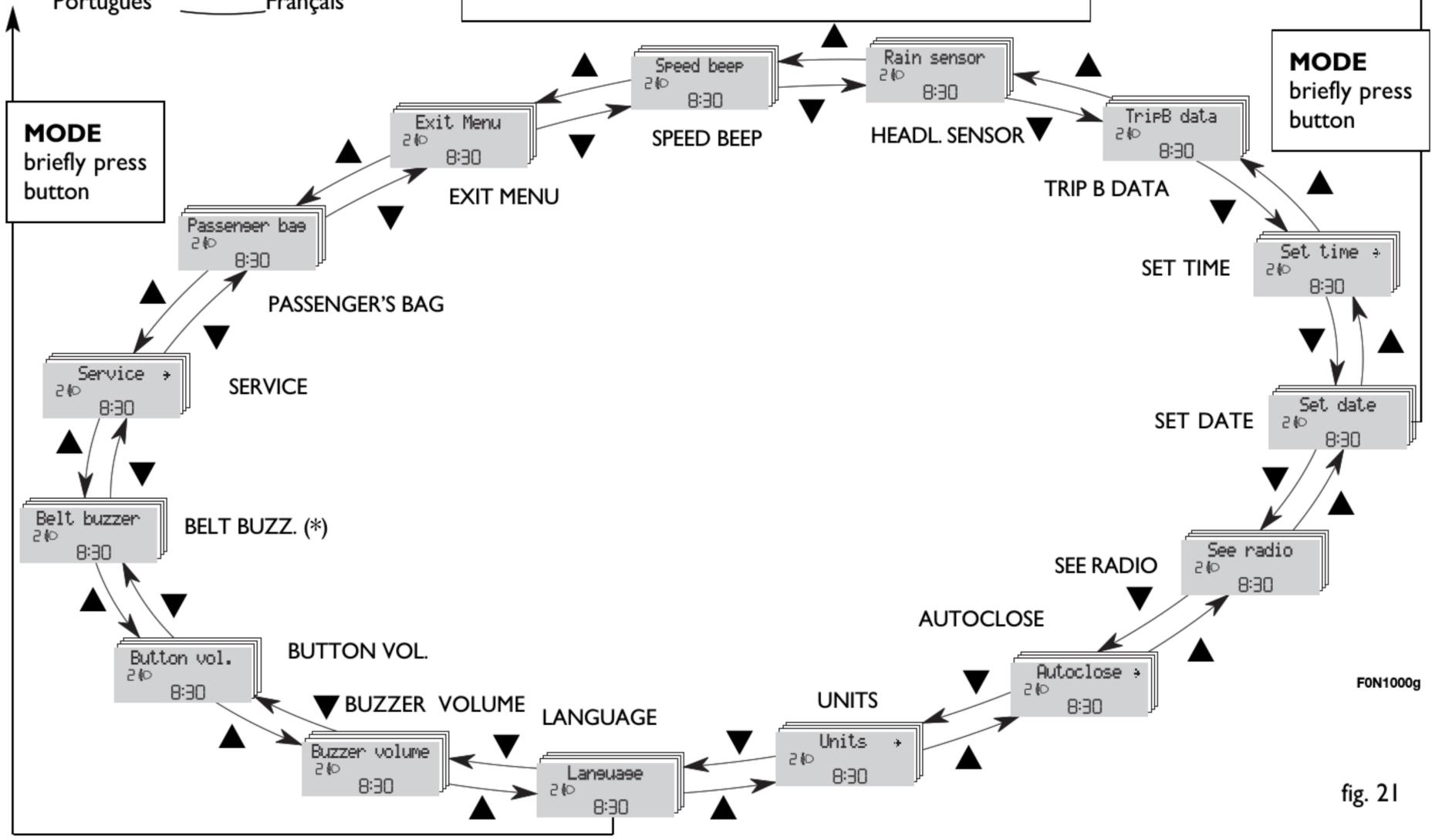
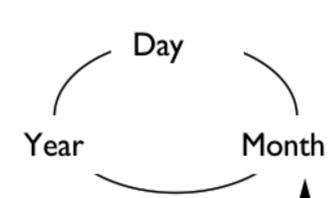
The setup menu displaying is timed; when quitting the menu due to timing expiry, only settings stored yet by the user (and confirmed by pressing briefly button **MODE**) will be saved.

Example:



Briefly press button **MODE** to start surfing from the standard screen. To surf the menu use buttons ▲ or ▼. **Note** For safety reasons, when the vehicle is running, it is possible to access only the reduced menu (for setting the "Speed Beep"). When the vehicle is stationary access to the whole menu is enabled.

Example:



FON1000g

fig. 21

(\*) This function can be only displayed after deactivating the S.B.R. system at Fiat Dealership.

### Speed limit (Speed Beep)

With this function it is possible to set 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 speed limit, proceed as follows:

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

**Note** The possible setting is between 30 and 200 km/h, or between 20 and 125 mph depending on the unit set previously (see paragraph “Setting the distance unit (Units)”) described later. Every press on button ▲ / ▼ increases/decreases by 5 units. Keeping the button ▲ / ▼ pressed obtains the automatic fast increase or decrease. When you are near the required setting complete adjustment by single presses.

- briefly press button **MODE** to go back to the menu screen or press the button for long to go back to the standard screen without storing settings.

To cancel the setting, proceed as follows:

- briefly press button **MODE**: (On) will flash on the display;
- press button ▼: (Off) will flash on the display;
- briefly press button **MODE** to go back to the menu screen or press the button for long to go back to the standard screen without storing settings.

### Headlight sensor sensitivity adjustment (where provided)

With this function it is possible to adjust the light sensor sensitivity according to 3 levels.

To set the required sensitivity level proceed as follows:

- briefly press button **MODE**, the previously set sensitivity “level” will flash on the display;

- press button ▲ or ▼ for setting;

- briefly press button **MODE** to go back to the menu screen or press the button for long to go back to the standard screen without storing settings.

### Trip B On/Off (tripB data)

Through this option it is possible to activate (On) or deactivate (Off) the Trip B (partial trip).

For further information see “Trip computer”.

For activation / deactivation, proceed as follows:

- briefly press button **MODE**: (On) or (Off) will flash on the display (according to previous setting);
- press button ▲ or ▼ for setting;
- briefly press button **MODE** to go back to the menu screen or press the button for long to go back to the standard screen without storing settings.

### Set clock (Set time)

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

Proceed as follows:

- briefly press button **MODE**, the display will show the two sub-menus "Time" and "Mode";
- press button ▲ or ▼ to surf the two sub-menus;
- select the required option and then press button **MODE**;
- *if selecting "Time"*: briefly press button **MODE**, "hours" will flash on the display;
- press button ▲ or ▼ for setting;
- briefly press button **MODE**, "minutes" will flash on the display;
- press button ▲ or ▼ for setting;

– *if selecting "Mode"*: briefly press button **MODE**, "24h" or "12h" mode will flash on the display;

– press button ▲ or ▼ to select "24h" or "12h".

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

– press again button **MODE** for long to go back to the standard screen or to the main menu according to the current menu level.

### Set date (Set Date)

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

To correct the date proceed as follows:

- briefly press button **MODE**, "day" will flash on the display;
- press button ▲ or ▼ for setting;
- briefly press button **MODE**, "month" will flash on the display;
- press button ▲ or ▼ for setting;
- briefly press button **MODE**, "year" will flash on the display;
- press button ▲ or ▼ for setting.

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

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

### Audio repetition (See radio)

With this function the display repeats information relevant to 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 activate (On) or to deactivate (Off) sound system info displaying proceed as follows:

- briefly press button **MODE**: (On) or (Off) will flash on the display (according to previous setting);
- press button ▲ or ▼ for setting;
- briefly press button **MODE** to go back to the menu screen or press the button for long to go back to the standard screen without storing settings.

### Automatic door locking with vehicle running (Autoclose)

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

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

- briefly press button **MODE** to display the submenu;
- briefly press button **MODE** : (On) or (Off) will flash on the display (according to previous setting);
- press button ▲ or ▼ for setting;
- briefly press button **MODE** to go back to the menu screen or press the button for long to go back to the standard screen without storing settings;
- press again button **MODE** for long to go back to the standard screen or to the main menu according to the current menu level.

### Set unit (Units)

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

To set the required unit proceed as follows:

- briefly press button **MODE**, to display the three sub-menus;
- press button ▲ or ▼ to surf the three sub-menus;
- select the required sub-menu and then press briefly button **MODE**;
- *if selecting “Distances”*: briefly press button **MODE** the display will show “km” or “mi” (according to previous setting);
- press button ▲ or ▼ for setting;
- *if selecting “Consumption”*: briefly press button **MODE** the display will show “km/l”, “l/100km” or “mpg” (according to previous setting);

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

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

– press button ▲ or ▼ for setting;

– if selecting “Temperature”: briefly press button

**MODE**, the display will show “°C” or “°F” (according to previous setting);

– press button ▲ or ▼ for setting;

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

– press again button **MODE** for long to go back to the standard screen or to the main menu according to the current menu level.

### Selecting the language (Language)

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

To set the required language proceed as follows:

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

– press button ▲ or ▼ for setting;

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

### Adjusting the failure/warning buzzer volume (Buzzer Volume)

With this function the volume of the buzzer accompanying any failure/warning indication can be adjusted according to 8 levels.

To adjust the volume proceed as follows:

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

– press button ▲ or ▼ for setting;

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

### Adjusting the button volume (Button Vol.)

With this function the volume of the roger-beep accompanying the activation of buttons **MODE**, **▲** and **▼** can be adjusted according to 8 levels.

To adjust the volume proceed as follows:

- briefly press button **MODE**: the previously set volume “level” will flash on the display;
- press button **▲** or **▼** for setting;
- briefly press button **MODE** to go back to the menu screen or press the button for long to go back to the standard screen without storing settings.

### S.B.R. buzzer reactivation (Belt Buzzer)

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

### Scheduled Servicing (Service)

Through this function it is possible to display information connected to proper vehicle servicing.

Proceed as follows:

- briefly press button **MODE**: service in km or mi, according to previous setting, will be displayed (see paragraph “Units”);
- briefly press button **MODE** to go back to the menu screen or press the button for long to go back to the standard screen.

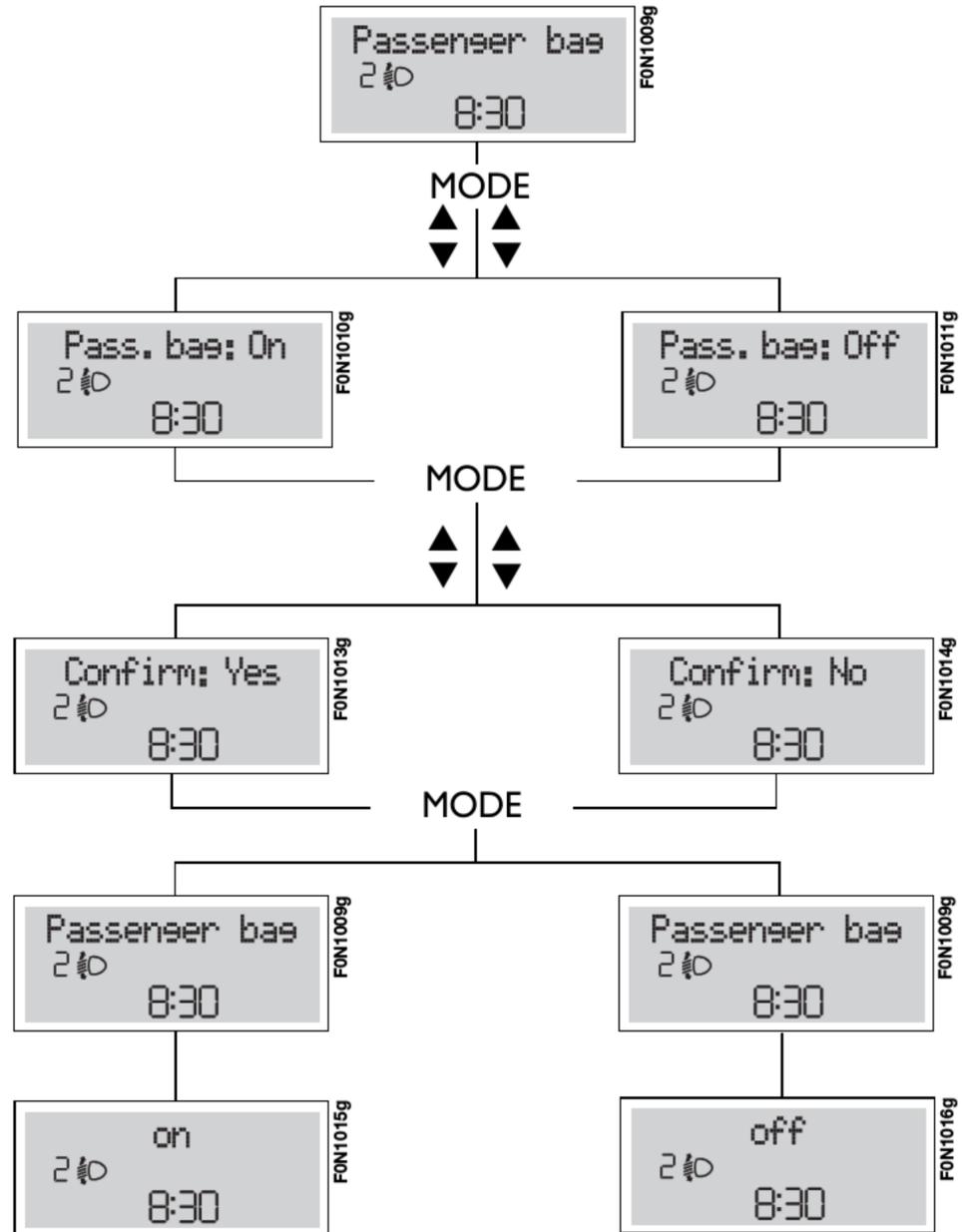
**Note** The “Service schedule” plans different service intervals according to engine models; service interval is displayed automatically, with the ignition key at **MAR**, starting from 2,000 km (or 1,240 mi) from this deadline and it is shown again every 200 km (or 124 mi). Oil change warning messages are displayed in the same way. Use buttons **▲** and **▼** to display alternately service schedule info and engine oil change info. Below 200 km servicing indications are displayed more frequently. Service indications will be displayed in km or mi according to previous unit setting. When a programmed maintenance interval (coupon) is near to come, turning the ignition key to **MAR**, the display will show the message “Service” followed by the number of km/mi to go before vehicle servicing. Contact a Fiat Dealership to carry out any service operation provided by the “Service schedule” and to reset the display.

### Front passenger's air bag and side bag where provided) activation/deactivation (Passenger's Bag)

This function shall be used to activate/deactivate the front passenger's air bag.

#### Proceed as follows:

- press button **MODE** and, after displaying of messages (Bag pass: Off) (to deactivate) or (Bag pass: On) (to activate) by pressing buttons ▲ and ▼, press again button **MODE**;
- display will show the confirmation message;
- press buttons ▲ or ▼ to select (Yes) (to confirm activation/deactivation) or (No) (to abort);
- briefly press button **MODE**, to display the confirmation message and to go back to the menu screen or press the button for long to go back to the standard screen without storing settings.



## Exit Menu

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

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

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

## TRIP COMPUTER

### General features

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

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

“Trip A” shall be used to display the figures relating to:

- Range
- Trip distance
- Average consumption
- Instant consumption
- Average speed
- Travel time (driving time).

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

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

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

### Values displayed

#### Range

This value shows the distance in km (or mi) that the vehicle can still cover before needing fuel, assuming that driving conditions are kept unvaried. The display will show “----” in the following cases:

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

#### Trip distance

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

### Average consumption

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

### Instant consumption

This value shows instant fuel consumption (this value is updated second by second). If parking the vehicle with engine on, the display will show “----”.

### Average speed

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

### Travel time

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

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

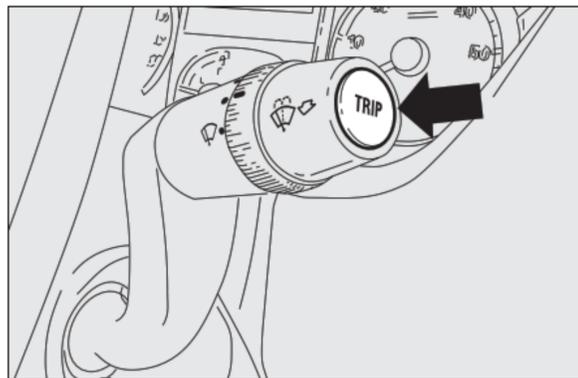


fig. 22

F0N0019m

### TRIP button fig. 22

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

- short push to display the different values
- long push to reset and then start a new mission.

### New mission

Reset can be:

- “manual” resetting by the user, by pressing the relevant button;
- “automatic” resetting, when the “Trip distance” reaches 3999,9 km or 9999,9 km or when the “Travel time” reaches 99.59 (99 hours and 59 minutes);

– after disconnecting/reconnecting the battery.

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

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

### Start of journey procedure

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

### Exit Trip

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

## FRONT SEATS



### WARNING

Only make adjustments when the vehicle is stationary.



Fabric upholstery of your Fiat Ducato is purpose-made to withstand common wear resulting from normal use of the vehicle. It is however absolutely necessary to prevent hard and/or prolonged scratching/scraping caused by clothing accessories like metallic buckles, studs, "Velcro" fixings, etc. that stressing locally the fabric could break yarns and damage the upholstery as a consequence.

### Moving the seat backwards or forwards fig. 23

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

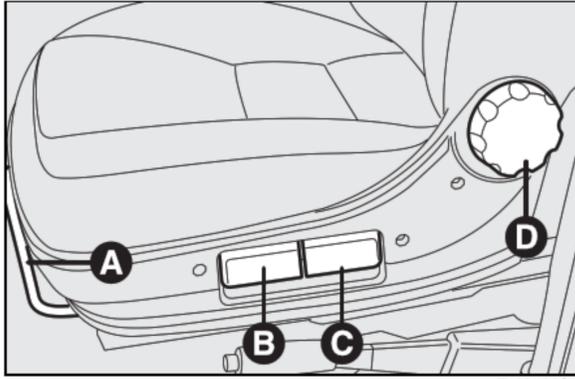


fig. 23

F0N0118m



### WARNING

Once you have released the lever, check that the seat is firmly locked in the runners by trying to move it back and forth. Failure to lock the seat in place could result in the seat moving suddenly and the driver losing control of the vehicle.

### Seat height adjustment

**To raise the seat:** (being seated), move lever **B** (front seat part) or lever **C** (rear seat part) upwards and unload your weight on the seat part to be raised.

**To lower the seat:** (being seated), move lever **B** (front seat part) or lever **C** (rear seat part) upwards and load your weight on the seat part to be lowered.

### Back rest angle adjustment fig. 23

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.

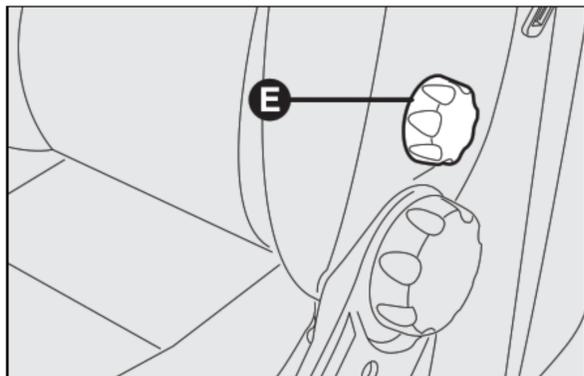


fig. 24

F0N0147m

### Lumbar adjustment

This feature ensures better back support.

To adjust, turn the knob **E**-fig. 24

### SEAT WITH SHOCK ABSORBER

This seat features suspension with mechanical springing system and hydraulic shock absorbers to guarantee top comfort and safety since the springing system enables to absorb any shock due to bad surface roads.

See previous paragraph "Front seats" for moving the seat backwards or forwards and for height, seat back, lumbar and armrest adjustment.

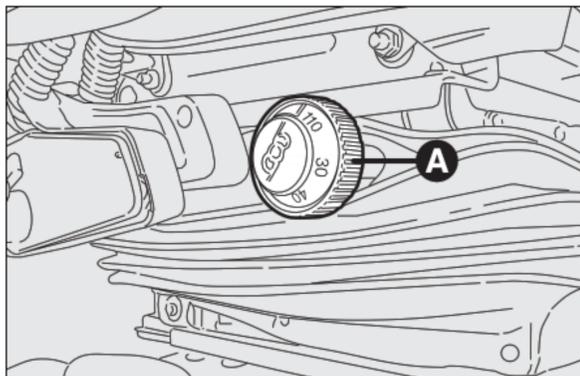


fig. 25

F0N0139m

### Setting seat shock absorbers/weight

Use the adjusting knob **A**-fig. 25 to set the required adjustment according to your weight, settings range between 40 kg and 130 kg.

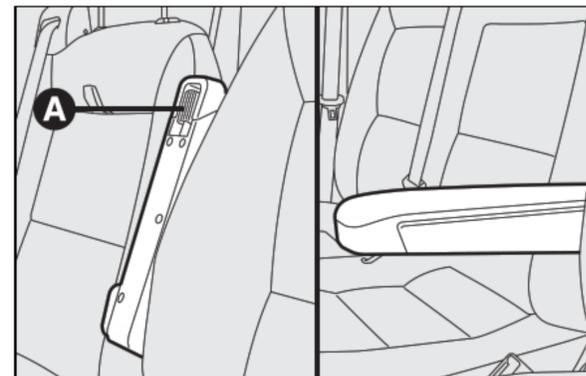


fig. 26

F0N0148m

### SEATS WITH ADJUSTABLE ARMRESTS

The driver's seat can be fitted with an adjustable armrest that can be raised or lowered. To adjust it, operate the small wheel **A**-fig. 26.



### WARNING

**Make sure armrests are upright before fastening the front seats belts (see paragraph "Seat belts").**



**WARNING**

Make sure the outer armrest (door side) is completely upright before unfastening the seat belts and getting out of the vehicle.



**WARNING**

Should it be absolutely necessary to carry a child seat on the front passenger's seat, make sure to deactivate the front passenger's air bag, to fasten the passenger's seat belt and to lower completely the armrests to prevent their accidental moving.

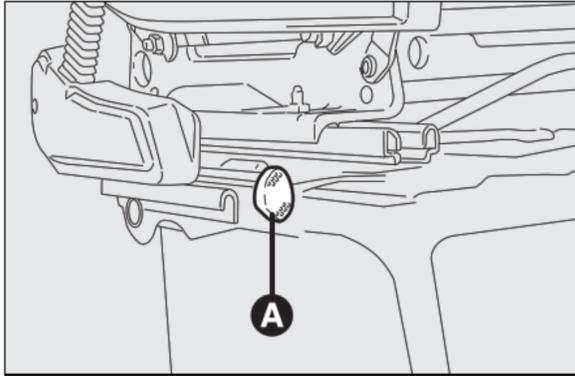


fig. 27

F0N0187m

**REVOLVING SEAT**

To revolve the seat operate control **A**-fig. 27.

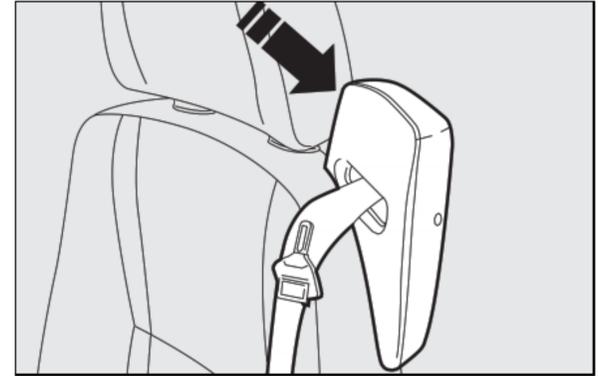


fig. 28

F0N0173m

**REVOLVING SEAT WITH INTEGRAL SEAT BELT (where provided)**

This seat is fitted with seat belt with 3 anchor points **fig. 28**, and two adjustable armrests (to adjust armrests see paragraph "Seats with adjustable armrests").



**WARNING**

Only make adjustments when the vehicle is stationary. Specially when revolving the seat, make sure it is not interfering with the handbrake lever.

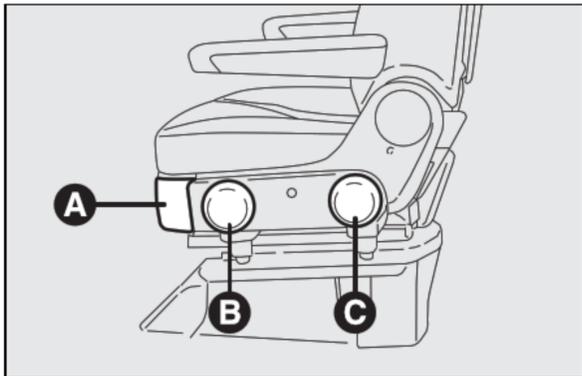


fig. 29

F0N0174m

**Back rest angle adjustment**

Operate lever **A**-fig. 29.

**Seat height adjustment fig. 29**

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

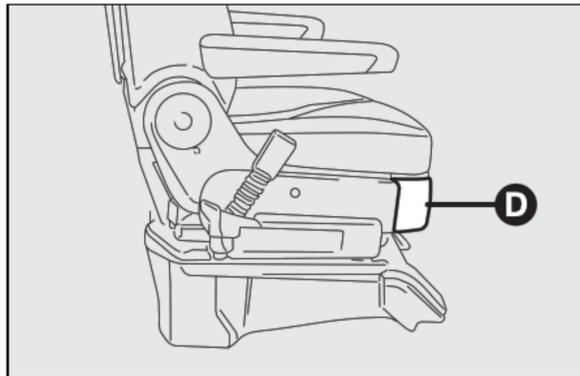


fig. 30

F0N0175m

**Revolving the seat**

To revolve the seat, operate lever **D**-fig. 30 (set on the right side of the seat).

**HEAD RESTRAINTS****FRONT fig. 31**

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

**To adjust head restraints**

- to raise: raise the head restraint until hearing the locking click.

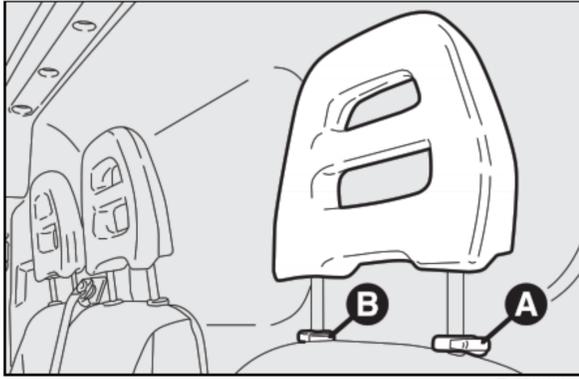


fig. 31

F0N0020m

- to lower: press button **A** and lower the head restraint.

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



#### WARNING

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

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

## STEERING WHEEL

The steering wheel can be adjusted axially.

Proceed as follows:

- release the lever **A**-fig. 32 pulling it towards the steering wheel (position 2).
- adjust the steering wheel as required;
- lock the lever **A** pushing it forwards (position 1);

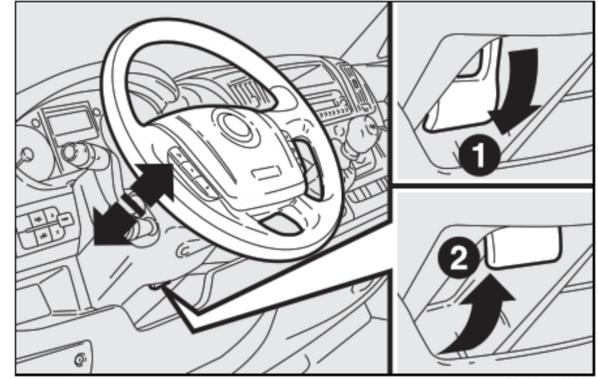


fig. 32

F0N0021m



#### WARNING

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



#### WARNING

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

## REARVIEW MIRRORS

### DRIVING MIRROR fig. 33

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

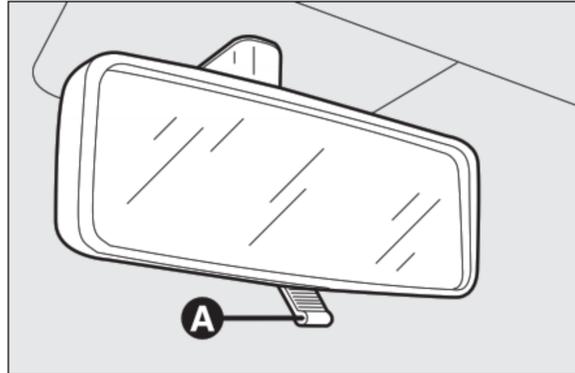


fig. 33

F0N0022m

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

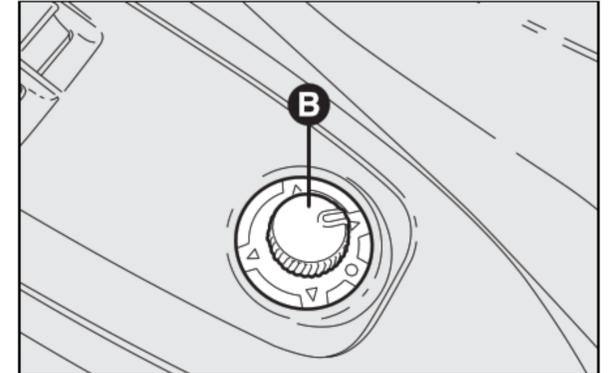


fig. 34

F0N0024m

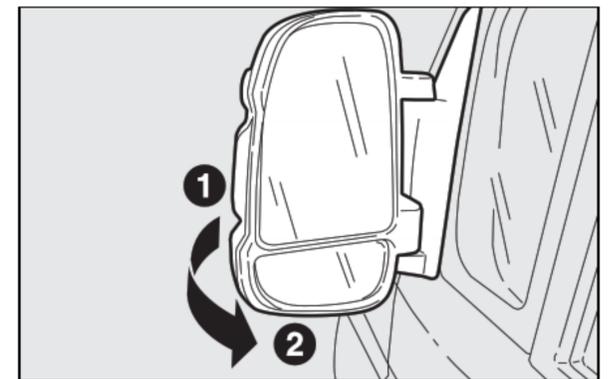


fig. 35

F0N0023m

## DOOR MIRRORS

### Adjustment fig. 34

*Manual adjustment*

Adjust each of the two mirrors directly by hand.



### WARNING

The reflecting surface of the lower part of the mirror is parabolic to increase the range. Consequently, the dimension of the reflected image is reduced, giving the impression that the object is more distant than it is in fact.

#### Electrical adjustment

The mirrors can only be adjusted electrically when the key is at **MAR**. To adjust mirrors, turn knob **B** to one of the following four positions:

► 1 left mirror, ◄ 2 right mirror, ► 3 left wide-angle, ◄ 4 right wide-angle

Once the knob has been positioned, move it in the direction indicated by the arrows to adjust the reflecting surface of the selected mirror.

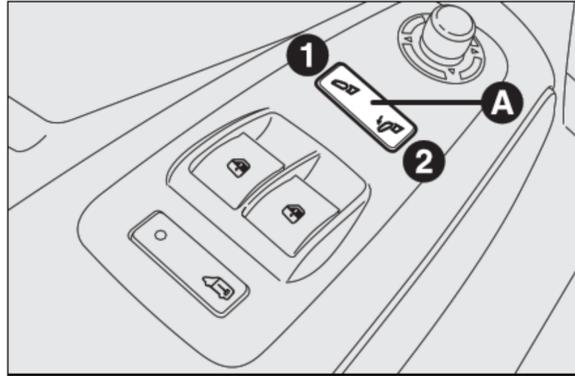


fig. 36

F0N0159m

#### Folding

When required (for example when the mirror causes difficulty in narrow spaces) it is possible to fold the mirror moving it from position **1**-fig. 35 to position **2**.



**When driving the mirrors shall always be in position 1-fig. 35.**

#### Powered folding (where provided)

Press the swinging button **A**-fig. 36 side **1** to set the mirror in driving position and side **2** to fold the mirror.

#### Demisting/defrosting (where provided)

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

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



### WARNING

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

## HEATING AND VENTILATION

F0N0025m

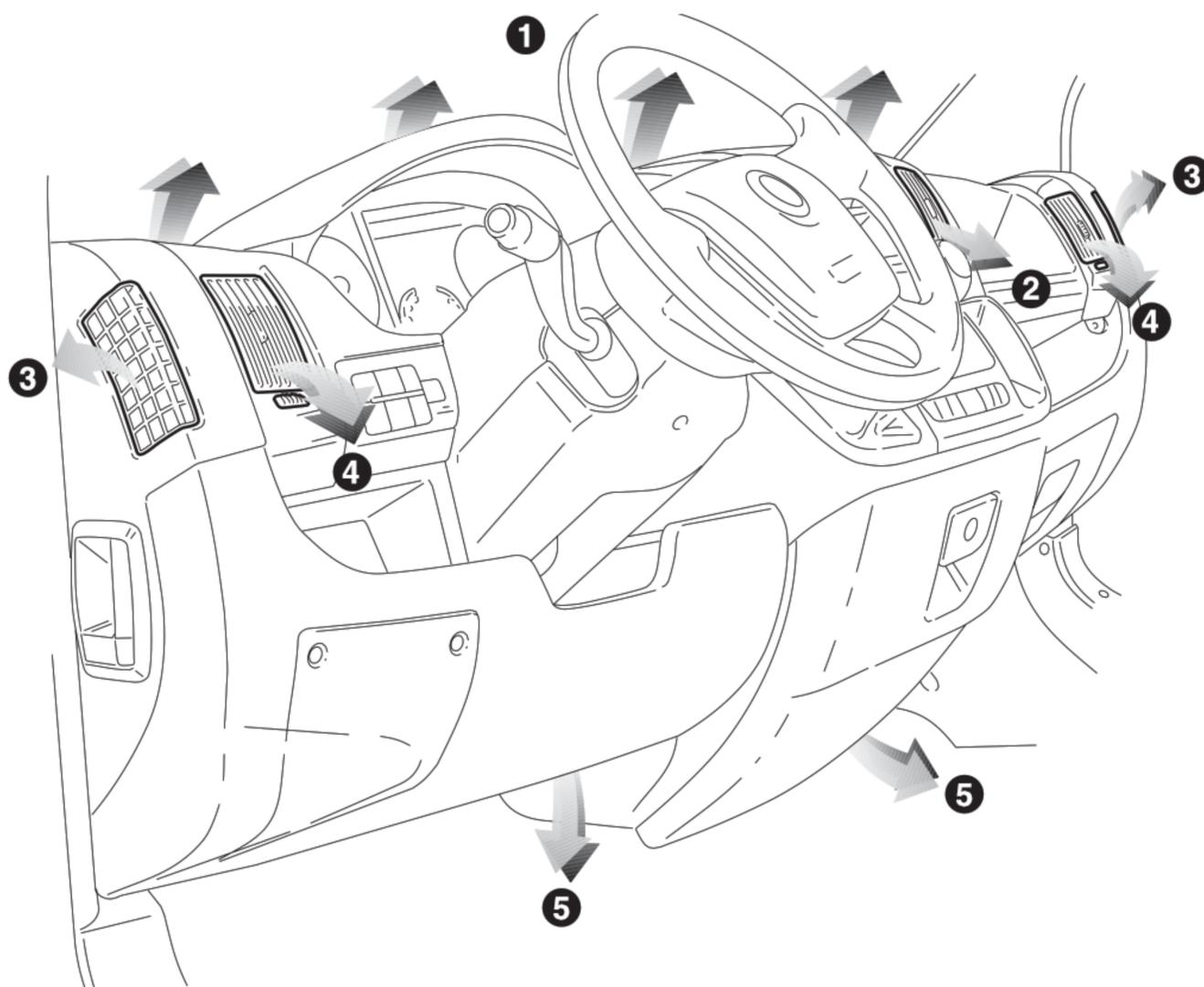


fig. 37

1. Fixed upper vent - 2. Central swivel vents - 3. Fixed side vents - 4. Side swivel vents - 5. Lower vents for front seats.

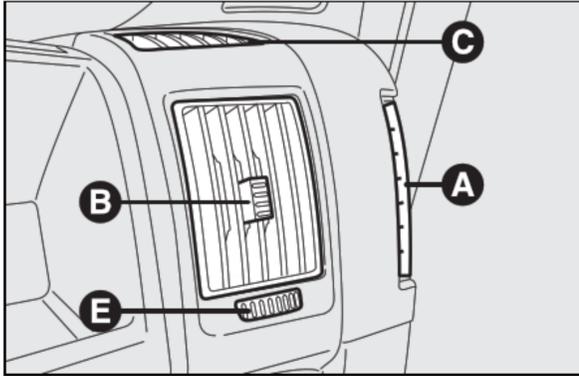


fig. 38

F0N0026m

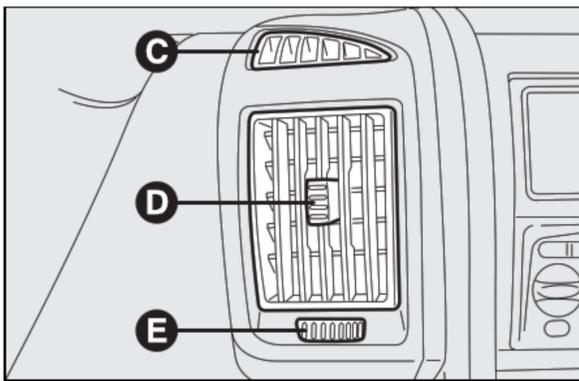


fig. 39

F0N0027m

**ADJUSTABLE AND SWIVEL SIDE AND CENTRAL VENTS**  
fig. 38-39

- A** Fixed vents for side windows.
- B** Side swivel vents.
- C** Fixed vents.
- D** Central swivel vents.
- E** Control for directing air flow.

Vents **A** and **C** are fixed.

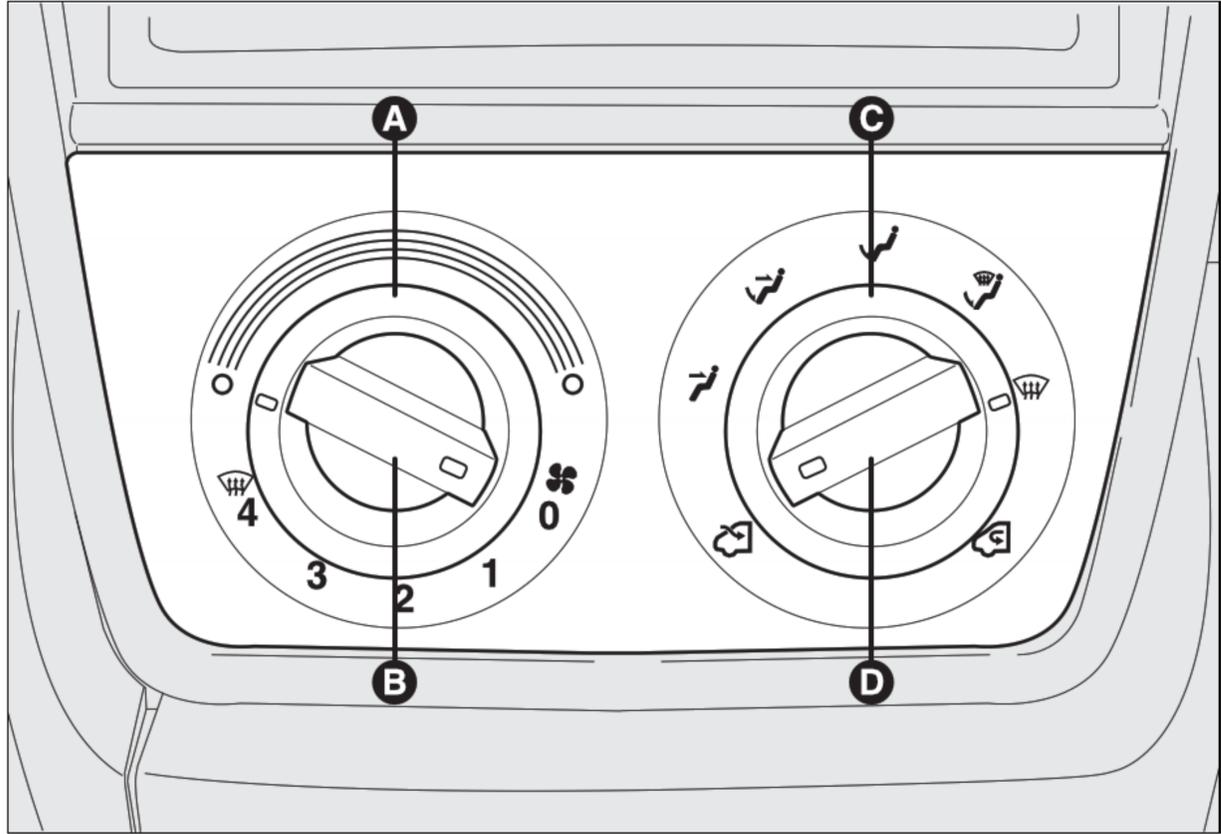


fig. 40

F0N0028m

**CONTROLS** fig. 40

**Air temperature slider A**  
(mixing hot and cold air)

- Red section = hot air
- Blue section = cold air

**Fan activation / speed adjustment knob B**

- 0 = fan off
- 1-2-3 = fan speed
- 4 = max. fan speed

**Air distribution slider C**

-  to convey air to the centre and side vents;
-  to warm the feet and convey cooler air to the dashboard vents, in intermediate temperature conditions;
-  to heat with outside harsh temperature: to convey as much air as possible to the feet;
-  to warm the feet and at the same time demist the windscreen;
-  for quick windscreen demisting.

**Air recirculation on/off knob D**

Turn knob **D** to  to turn air recirculation on.

Turn knob **D** to  to turn air recirculation off.

**VENTILATION**

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

- turn slider **A** to blue section;
- turn air recirculation off by turning knob **D** to ;
- turn slider **C** to ;
- turn knob **B** to the required speed.

**WARMING THE PASSENGER COMPARTMENT**

Proceed as follows:

- turn slider **A** to red section;
- turn knob **C** to the required position;
- turn knob **B** to the required speed.

**FAST HEATING**

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

- turn slider **A** to red section;
- turn air recirculation on by turning knob **D** to ;
- turn slider **C** to ;
- turn knob **B** to 4  (max. fan speed).

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

**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 slider **A** to red section;
- turn air recirculation off by turning knob **D** to ;
- turn slider **C** to ;
- turn knob **B** to 4  (max. fan speed).

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

## Window demisting

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

- turn slider **A** to red section;
- turn air recirculation off by turning knob **D** to ;
- turn slider **C** to  or to  if the windows do not demist;
- turn knob **B** to 2<sup>nd</sup> speed.

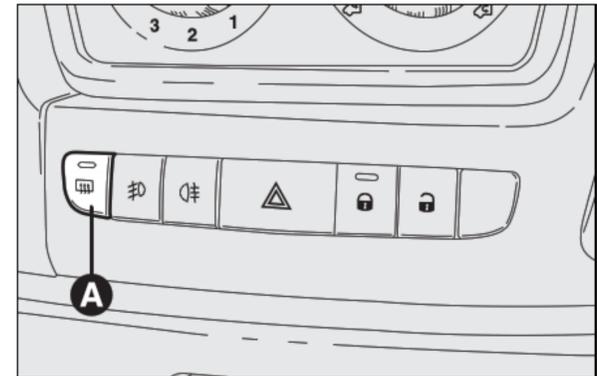


fig. 41

F0N0043m

## HEATED REAR WINDOW AND DOOR MIRROR DEMISTING/DEFROSTING (where provided) fig. 41

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

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

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

## AIR RECIRCULATION

Turn knob **D** to .

This function is particularly useful when the outside air is heavily polluted (in a traffic jam, tunnel etc.). However, it is better not to use it for long periods, especially if there several people in the vehicle.

**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.

## MANUAL CLIMATE CONTROL SYSTEM (where provided)

### CONTROLS fig. 42

#### Air temperature slider **A** (mixing hot and cold air)

Red section = hot air

Blue section = cold air

#### Fan activation /speed adjustment knob **B**

 **0** = fan off

**1-2-3** = fan speed

**4**  = max. fan speed

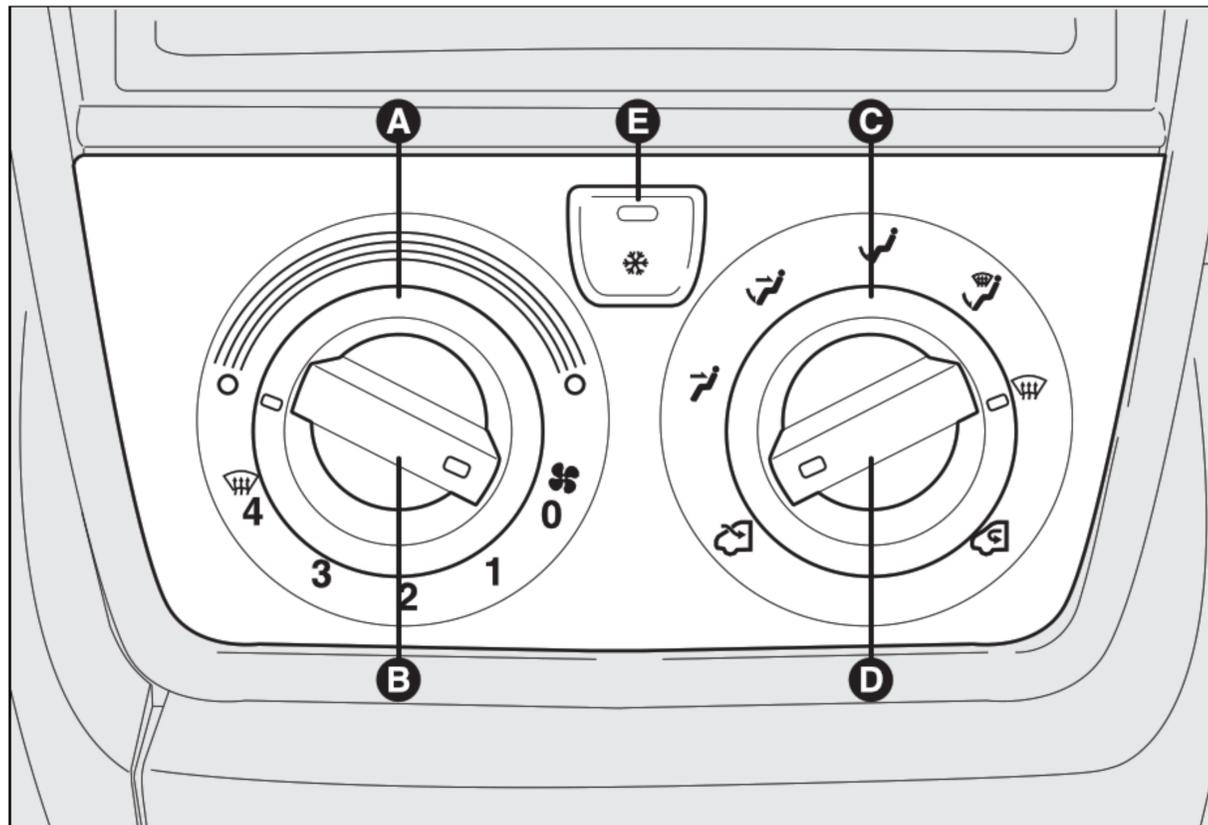


fig. 42

F0N0029m

### Air distribution slider C

-  to convey air to the centre and side vents;
-  to warm the feet and convey cooler air to the dashboard vents, in intermediate temperature conditions;
-  to heat with outside harsh temperature: to convey as much air as possible to the feet;

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

 for quick windscreen demisting.

### Air recirculation on/off knob D

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

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

### Climate control system on/off button E

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

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

## VENTILATION

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

- turn slider **A** to blue section;
- turn air recirculation off by turning knob **D** to ;
- turn slider **C** to ;
- turn knob **B** to the required speed.

## CLIMATE CONTROL (cooling)

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

- turn slider **A** to blue section;
- turn air recirculation on by turning knob **D** to ;
- turn slider **C** to ;
- press button **E** to turn the climate control system on; the button led **E** will turn on;
- turn knob **B** to 4  (max. fan speed).

### Cooling adjustment

- turn slider **A** to the right to raise temperature;
- turn air recirculation off by turning knob **D** to ;
- turn knob **B** to reduce the fan speed.

**IMPORTANT** Pressing conditioner compressor button **E**, will activate the function only if at last the first fan speed is selected (knob **B**).

## WARMING THE PASSENGER COMPARTMENT

Proceed as follows:

- turn slider **A** to red section;
- turn slider **C** to the required symbol;
- turn knob **B** to the required speed.

## FAST HEATING

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

- turn slider **A** to red section;
- turn air recirculation on by turning knob **D** to ;
- turn slider **C** to ;
- turn knob **B** to **4**  (max. fan speed).

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

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

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

Proceed as follows:

- turn slider **A** to red section;
- turn knob **B** to **4**  (max. fan speed);
- turn slider **C** to ;
- turn air recirculation off by turning knob **D** to .

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

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

## Window demisting

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

- turn slider **A** to red section;
- turn air recirculation off by turning knob **D** to ;
- turn slider **C** to  or to  if the windows do not demist;
- turn knob **B** to 2nd speed.

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

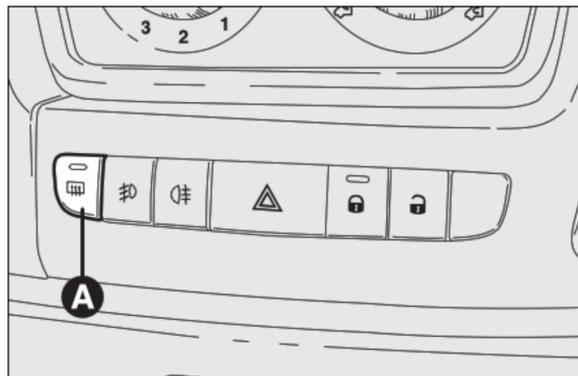


fig. 43

F0N0043m

## HEATED REAR WINDOW AND DOOR MIRROR DEMISTING/DEFROSTING (where provided) fig. 43

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

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

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

## AIR RECIRCULATION

Turn knob **D** to .

This function is particularly useful when the outside air is heavily polluted (in a traffic jam, tunnel etc.). However, it is better not to use it for long periods, especially if there several people in the vehicle.

**IMPORTANT** The inside air recirculation system makes it possible (according to the selected operating modes) to reach the required “heating” or “cooling” conditions faster.

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

## LOOKING AFTER THE SYSTEM

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



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

## SUPPLEMENTARY HEATER (where provided)

Certain versions are also fitted a supplementary heater set under the driver's seat. To activate the supplementary heater fan press button **F** set on the control panel **fig. 44**.

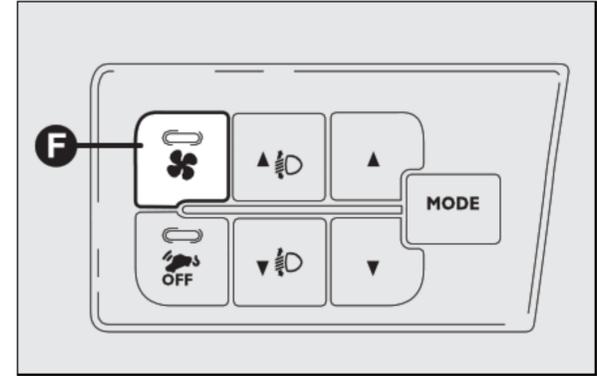


fig. 44

F0N0185m

DASHBOARD AND CONTROLS

SAFETY DEVICES

CORRECT USE OF THE VEHICLE

WARNING LIGHTS AND MESSAGES

IN AN EMERGENCY

VEHICLE MAINTENANCE

TECHNICAL SPECIFICATIONS

INDEX

## SELF-STANDING SUPPLEMENTARY HEATER (where provided)

Fiat Ducato can be equipped, upon request, with two different self-standing heaters: one is totally automatic whereas the other is programmable.

### AUTOMATIC VERSION

The supplementary heater will activate automatically with engine turned on and proper engine coolant and outside temperature conditions. Deactivation is always automatic.



### WARNING

*The heater burns fuel in the same way as the engine, though, of course, to a lesser degree and therefore to avoid intoxication and suffocation, never use the supplementary heater in closed areas, garages or workshops not equipped with specific exhaust evacuation devices even for short periods of time.*

### PROGRAMMABLE VERSION

The supplementary heater is totally independent from the engine and can be used to:

- heat the passenger compartment when the engine is off;
- defrost the windows;
- heat the engine coolant and consequently the engine before starting.

The system consists of:

- diesel burner to heat coolant with exhaust fume muffler;
- metering pump connected to the vehicle fuel pipes to feed the burner;
- heat exchanger connected to the engine cooling system pipes;

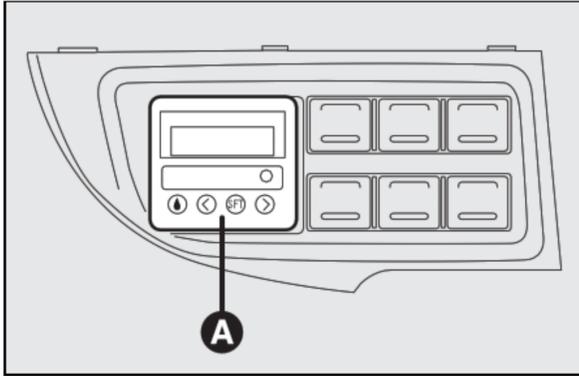


fig. 45

F0N0150m

- control unit connected to the heater/ventilation unit for automatic operation;
- electronic control unit to check and adjusted the integrated heater burner;
- digital timer **A-fig. 45** to start the heater manually or to program starting time.

In cold weather, the supplementary heater warms and circulates constant temperature fluid in the engine cooling system for the time required to ensure optimal engine ignition and passenger compartment temperature conditions.

The heater can be started automatically (programmed by means of the digital timer) or manually by pressing the “heat now” button on the timer.

When the heater is turned on (automatically or manually), the electronic control unit operates the fluid circulation pump and safely ignites the burner according to preset and controlled modes.

The electronic control unit also controls the circulation pump delivery in order to reduce initial heating time. When the system is operating, the control unit operates the heater unit fan to the second speed.

Thermal power is adjusted automatically by the control unit according to the engine coolant temperature.

**IMPORTANT** The heater is equipped with a thermal switch which cuts off the heater in the event of overheating caused by low or leaking coolant. In this case, press the program selection button to start the heater again after repairing the cooling system fault and/or topping up the fluid.

The heater can turn itself off after engine ignition or if the flame goes out. In this case, turn the heater off manually and attempt to turn it back on again. If you cannot turn the heater on, contact a Fiat Dealership.

### Turning the heater on

To obtain max. performance from the heater unit check that the heating/ventilation unit knob is turned to “warm air”.

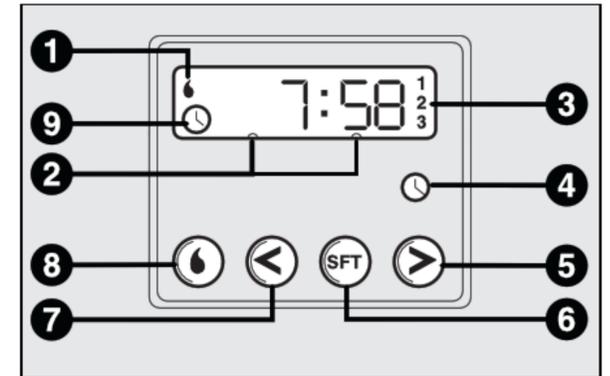


fig. 46

F0N0151m

### Digital timer fig. 46

- 1) Heater cycle warning light
- 2) Display light
- 3) Clock pre-set recall number
- 4) Clock button
- 5) Hour “forward” button
- 6) Program selection button
- 7) Hour “back” button
- 8) Heat now button
- 9) Display/adjust time warning light

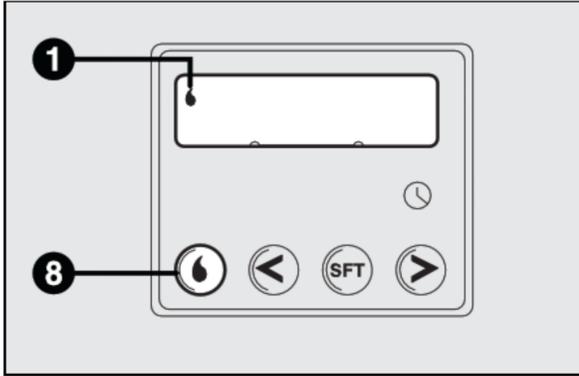


fig. 47

F0N0152m

### “Heat now” function fig. 47

To turn the heater on manually, press timer button **8**. The display and warning light **1** will stay on while the heater is in use.

### Programming the heater

Before programming the heater, set the clock.

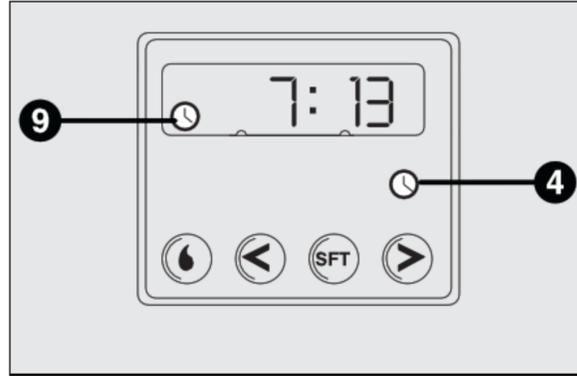


fig. 48

F0N0153m

### Setting the clock

- Press button **4**: display and warning light **9**-fig. **48** will light up.
- Within 10 seconds, press button **5** or **7** to select the correct time.

When the display is turned off, the current time will be stored.

Keeping button **5** or **7** pressed will fast forward or backward the clock.

### Reading the clock fig. 48

To read the clock, press button **4**: current time will be displayed for approximately 10 seconds. Warning light **9** will turn on.

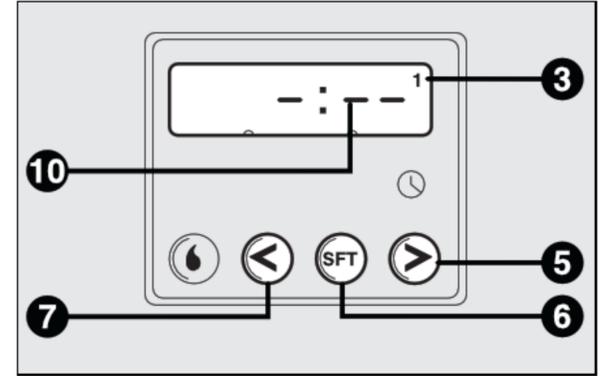


fig. 49

F0N0154m

### Programmed heating fig. 49

Heater ignition can be delayed from 1 minute to 24 hours. Three different times can be programmed but only one will be activated for each pre-warming cycle.

To program starting time:

- press button **6**: either symbol **10** or the previously programmed time and number **3** (corresponding to the pre-set function recalled) will light up for 10 seconds;

**IMPORTANT** To recall other preset times, press button **6** within 10 seconds.

– press button **5** or **7** within 10 seconds to select the starting time required.

**IMPORTANT** Time is stored when:

- starting time goes off;
- number 3 is displayed;
- the display turns on.

**IMPORTANT** At turning on:

- warning light corresponding to flame I on the display will turn on;
- number 3 will turn off.

#### Deleting a programmed starting time fig. 49

To delete the programmed starting time, press button **6** briefly: the display light will go off and number **3** corresponding to the selected preset time will disappear.

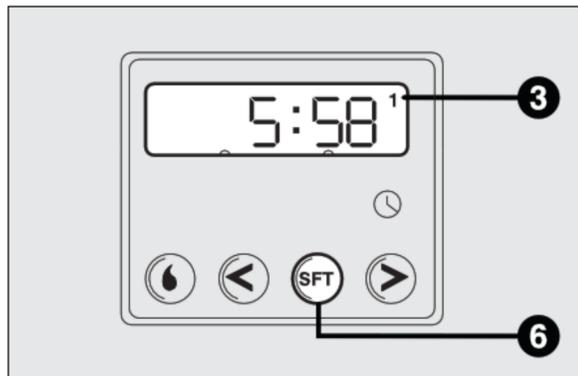


fig. 50

F0N0155m

#### Recalling a pre-set time fig. 50

Press button **6** repeatedly until the required preset starting time appears on the display (number **3**). After 10 seconds, the time will disappear (it will stay stored), number **3** and the display will light up.

**IMPORTANT** To change or delete preset times, follow the instructions in the paragraphs above.

#### Turning the heater off

According to the operation mode (automatic or manual), the heater can be turned off:

- automatically**, after the preset period of time (60 minutes when the display light is red);
- manually** by pressing again button “heat now” on the timer (flame I button).

In each case, the heater warning light, the display and the passenger compartment fan will be turned off and the heater flame will be blown out.

The coolant circulation pump will run for approximately two minutes after the heater has been turned off to dispose of as much heat as possible. During this phase the heater can, however, be turned on.



### WARNING

*The heater burns fuel in the same way as the engine, though, of course, to a lesser degree and therefore to avoid intoxication and suffocation, never use the supplementary heater in closed areas, garages or workshops not equipped with specific exhaust evacuation devices even for short periods of time.*

- Always remember to turn the heater off when refuelling or standing in service stations to avoid fires and explosions.
- Do not park the vehicle over inflammable material such as paper, dry grass or leaves: fire risk!
- The temperature near the heater must never exceed 120°C (e.g. during painting operations in a workshop oven). Higher temperatures could damage the electronic control unit components.
- When the engine is off, the heater takes power from the battery: it is consequently important to run the engine for a certain period of time in order to restore the battery charge.

- Follow the prescriptions in section “Vehicle maintenance” at paragraph “Engine coolant level” to check the coolant level. The coolant in the circuit must contain at least 10% antifreeze fluid.
- Maintenance and repairs must always be carried out by a Fiat Dealership and only genuine spare parts must be used.

### MAINTENANCE

Have the heater checked at a Fiat Dealership periodically (always before winter). This will ensure safe and cheap running and long appliance life.

## EXTERNAL LIGHTS

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

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

### LIGHTS SWITCHED OFF fig. 51

Knurled ring turned to .

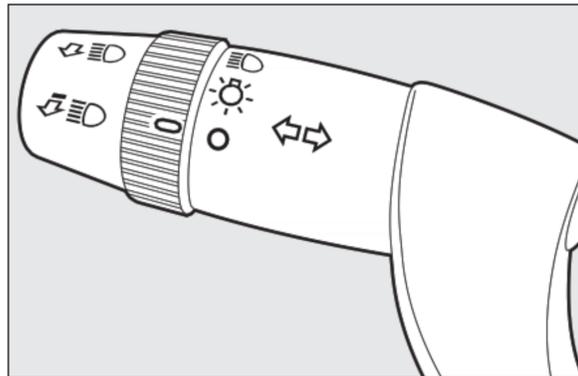


fig. 51

F0N0030m

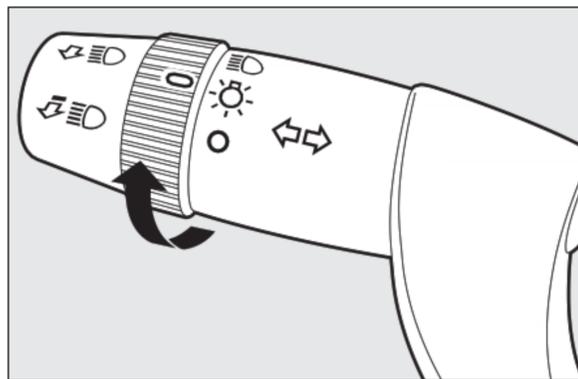


fig. 52

F0N0031m

### SIDE/TAILLIGHTS fig. 52

Turn the knurled ring to .

Instrument panel warning light  will turn on.

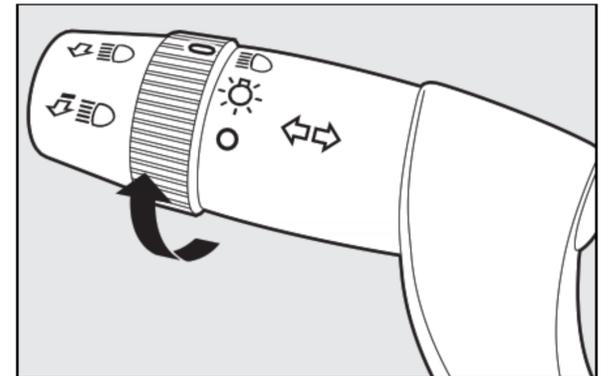


fig. 53

F0N0032m

### DIPPED BEAM HEADLIGHTS

#### fig. 53

Turn the knurled ring to .

Instrument panel warning light  will turn on.

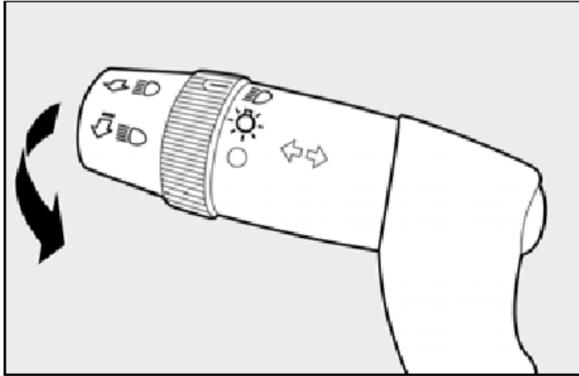


fig. 54

F0N0033m

### MAIN BEAM HEADLIGHTS fig. 54

When the knurled ring is at 0 pull the lever towards the steering wheel (2nd unstable position).

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

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

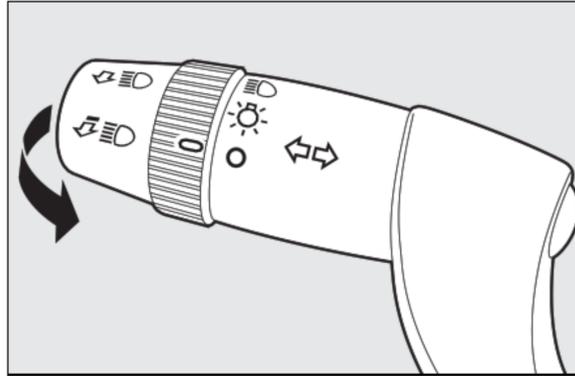


fig. 55

F0N0034m

### FLASHING THE HEADLIGHTS fig. 55

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

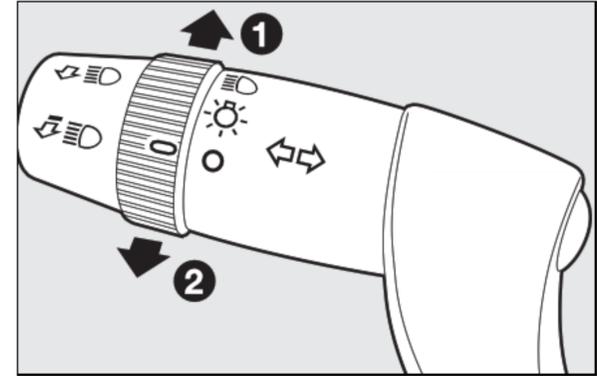


fig. 56

F0N0035m

### DIRECTION INDICATORS fig. 56

Move the stalk to (stable) position:

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

Instrument panel warning light  or  will flash.

Indicators are switched off automatically when the steering wheel is straightened.

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

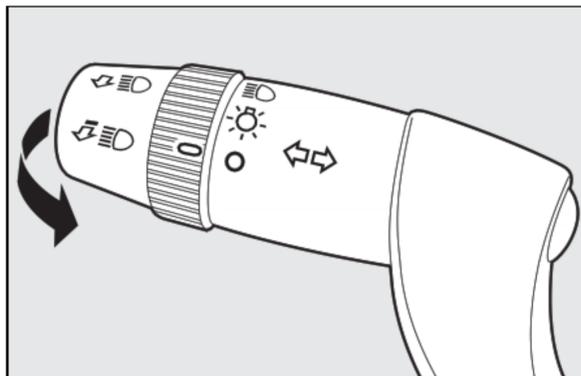


fig. 57

F0N0036m

### “FOLLOW ME HOME” DEVICE

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

#### Activation fig. 57

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

At each single movement of the stalk, the staying on of the lights is extended by 30 seconds up to a maximum of 210 seconds; then the lights are switched off automatically.

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

#### Deactivation

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

### AUTOMATIC HEADLIGHTS SENSOR (daylight sensor) (where provided)

It detects the changes of the external light intensity of the vehicle according to the light sensitivity set: the greater the sensitivity is, the smaller the amount of external light necessary to control the switching-on of the external headlights will be. The daylight sensor sensitivity can be adjusted by the “Set-up menu” of the display.

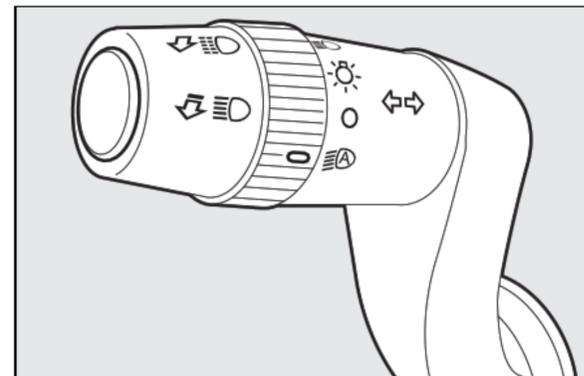


fig. 58

F0N0037m

#### Activation fig. 58

Turn the knurled ring to : in this way, the automatic activation of the side/tail-lights and dipped beam headlights is simultaneously enabled according to the external luminosity.

#### Deactivation

As a result of the sensor control, the dipped beam headlights will switch off and, after about 10 seconds, sidelights will switch off too.

The sensor is not able to detect the fog presence, lights shall therefore be switched on manually.

## WINDOW WASHING

### WINDSCREEN WASHER/WIPER

This device can only work when the ignition key is at **ON**.

The right stalk can be moved to five different positions **fig. 59**:

**A:** windscreen wiper off

**B:** flick wipe.

With the stalk in position **B**, turning the knurled ring **F** four possible intermittent speeds are obtained:

 = very slow intermittent

-- = slow intermittent

--- = intermittent medium

---- = fast intermittent

**C:** continuous slow;

**D:** continuous fast;

**E:** fast temporary (unstable position).

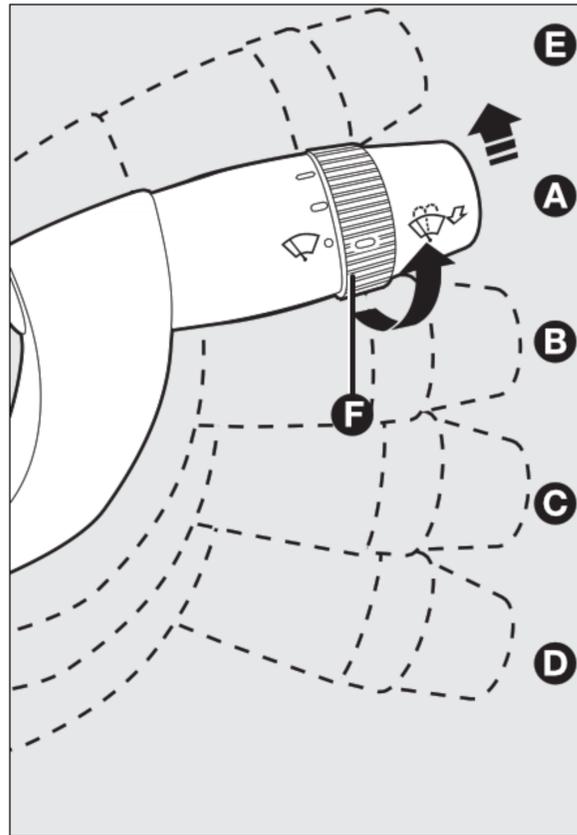


fig. 59

F0N0038m

Operation in position **E** is limited to the time the stalk is held in this position. When the stalk is released, it returns to position **A** automatically stopping the wiper.

**IMPORTANT** Replace wiper blades as specified in section "Vehicle maintenance".

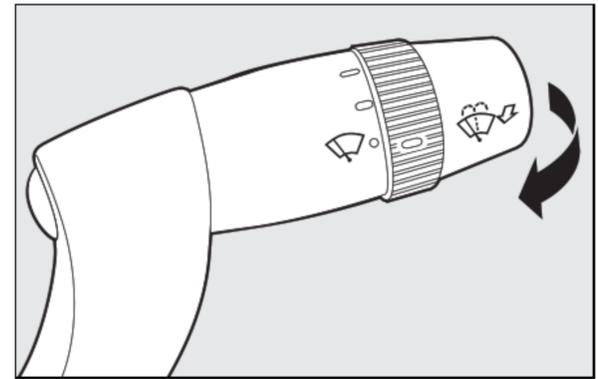


fig. 60

F0N0039m



**Never use the window wiper to remove ice or snow from the windscreen. In these conditions, the wiper is submitted to excessive effort that results in motor protection cutting in and wiper operation inhibition for few seconds as a consequence. If operation is not restored contact Fiat Dealership.**

### "Smart washing" function

Pulling the stalk towards the steering wheel (unstable position) operates the windscreen washer **fig. 60**.

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

The wiper stops working four strokes after releasing the stalk.

A further stroke after five seconds completes the wiping operation.

## RAIN SENSOR (where provided)

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

**IMPORTANT** Keep clean the glass in the sensor area.

### Activation fig. 61

Move the right-hand stalk downwards by one position **B**.

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

Turning the knurled ring **F** it is possible to increase the sensitivity of the rain sensor.

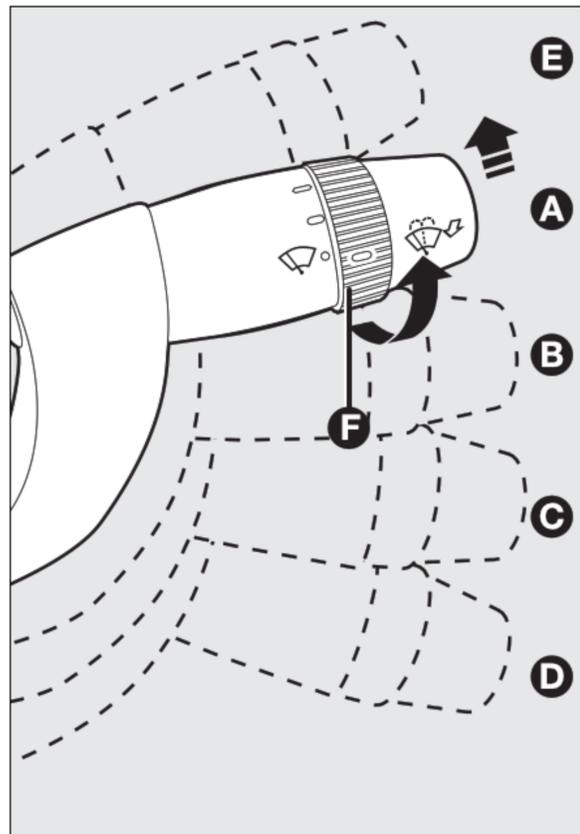


fig. 61

F0N0038m

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

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

### Deactivation fig. 61

Move the stalk off **B** or turn the ignition key to **OFF**. At next engine starting (key at **ON**), the sensor will not be reactivated even if the stalk is at **B**. In this event, to activate the rain sensor you have to move the stalk to **A** or **C** and then again to **B** or turn the knurled ring. Rain sensor activation will be indicated by at least one wiper "stroke" even if the windscreen is dry. The rain sensor is capable of recognizing and adapting automatically to the difference between day and night.



### WARNING

**Streaks of water may cause unrequired blade moving.**

## HEADLIGHT WASHER (where provided)

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

**IMPORTANT** Check at regular intervals correct operation and cleanness of nozzles.

## CRUISE CONTROL (where provided)

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

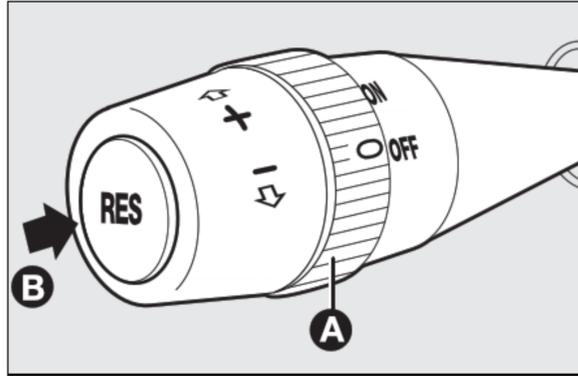


fig. 62

F0N0040m

### DEVICE ENGAGEMENT

fig. 62

Turn knurled ring **A** to ON.

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

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

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

### TO MEMORISE SPEED

Proceed as follows:

- turn the knurled ring **A** to ON and press the accelerator pedal to the required speed;
- move the stalk upwards (+) for at least one second, then release it. The vehicle speed is memorised and it is therefore possible to release the accelerator pedal.

In the case of need (when overtaking for instance) acceleration is possible simply pressing the accelerator pedal: releasing the accelerator pedal, the vehicle will return to the speed memorised previously.

### TO RESET THE MEMORISED SPEED

If the device has been disengaged for example pressing the brake or clutch pedal, the memorised speed can be reset as follows:

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

## TO INCREASE THE MEMORISED SPEED

The speed memorised can be increased in two ways:

- pressing the accelerator and then memorising the new speed reached;
- or
- moving the stalk upwards (+).

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

## TO REDUCE MEMORISED SPEED

The speed memorised can be increased in two ways:

- disengaging the device and then memorising the new speed;
- or
- moving the stalk downwards (−) until reaching the new speed which will be memorised automatically.

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

## DEVICE DISENGAGEMENT

The device can be disengaged in the following ways:

- turning the knurled ring **A** to OFF;
- turning the engine off;
- pressing the brake pedal or engaging the hand brake;
- pressing the clutch pedal;
- shifting gear with automatic transmission in sequential mode;
- with vehicle speed below the preset limit;
- pressing the accelerator pedal; in this case the system is not really disengaged but the request for acceleration takes priority over the system. The cruise control is however active and it will not be necessary to press button **RES** to resume previous conditions after ending acceleration.

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

- ABS or ESP system cut-in;
- system failure.



### WARNING

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



### WARNING

*In the event of device malfunction or failure, turn the knurled ring A to OFF and contact a Fiat Dealership after checking the protection fuse integrity.*

## CEILING LIGHTS

### FRONT CEILING LIGHT WITH SPOT LIGHTS

Switch **A-fig. 63** turn on/off these lights.

With switch **A-fig. 63** in central position, lights **C** and **D** will turn on/off when opening/closing the front doors.

With switch **A-fig. 63** pressed on the left side, lights **C** and **D** will always stay off.

With switch **A-fig. 63** pressed on the right side, lights **C** and **D** will always stay on.

Light turning on/off is gradual.

Switch **B-fig. 63** performs the spot function; with light off, it will turn on:

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

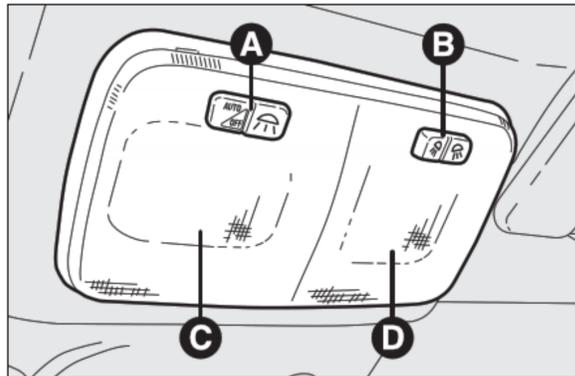


fig. 63

F0N0041m

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

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

### Ceiling light timing

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

#### LIGHT TIMING WHEN GETTING INTO THE VEHICLE

Lights will turn on as follows:

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

- for about 10 seconds when closing the doors.

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

#### LIGHT TIMING WHEN GETTING OUT OF THE VEHICLE

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

- within 2 minutes from turning the engine off for about 10 seconds;
- when opening one of the side doors for about 3 minutes;
- when closing one of the doors for about 10 seconds.

Timing will stop automatically when locking the doors.

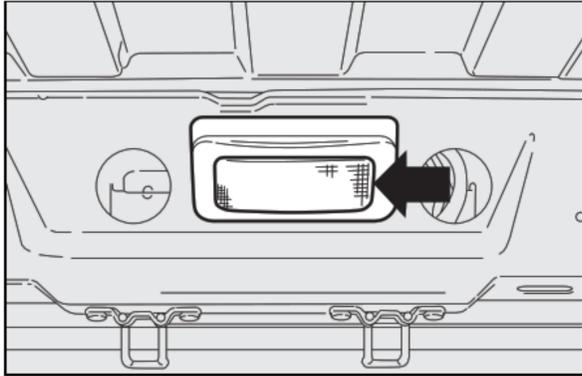


fig. 64

F0N0042m

### LOAD COMPARTMENT CEILING LIGHT fig. 64

It is located above the rear door, to turn it on press the lens as shown in the figure.

## CONTROLS

### HAZARD LIGHTS fig. 65

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

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

Press the switch again to turn the lights off.

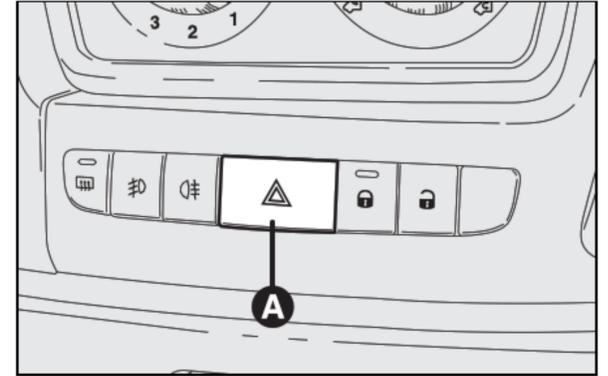


fig. 65

F0N0044m

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

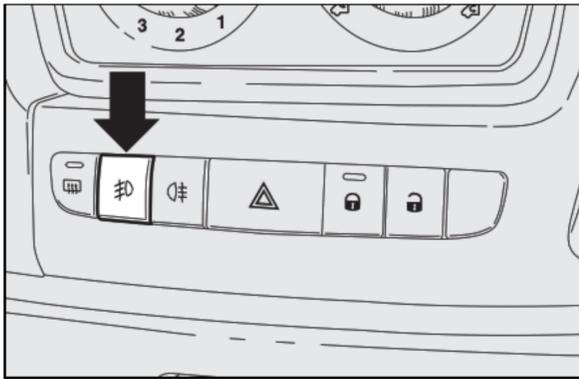


fig. 66

F0N0045m

### FRONT FOG LIGHTS (where provided) fig. 66

To turn front fog lights on, press button . To activate these lights it is necessary to have the side/taillights switched on.

Warning light on the instrument panel will turn on.

Press the button again to turn the lights off.

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

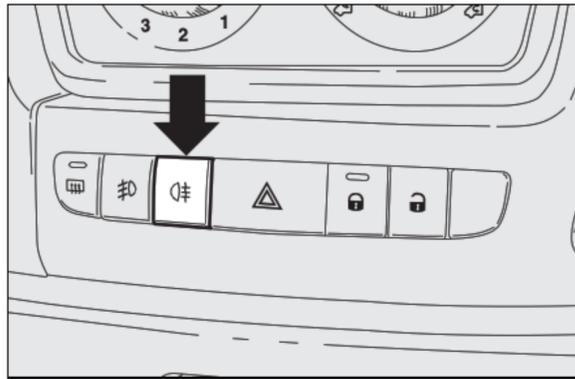


fig. 67

F0N0046m

### REAR FOG LIGHT fig. 67

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

Warning light on the instrument panel will turn on.

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

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

### PARKING LIGHTS

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

Instrument panel warning light will turn on.

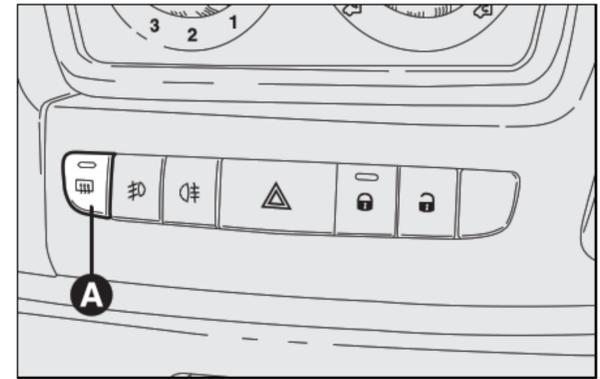


fig. 68

F0N0043m

### HEATED REAR WINDOW (where provided) fig. 68

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

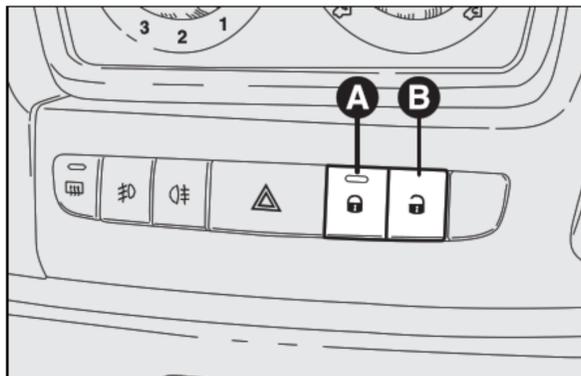


fig. 69

F0N0047m

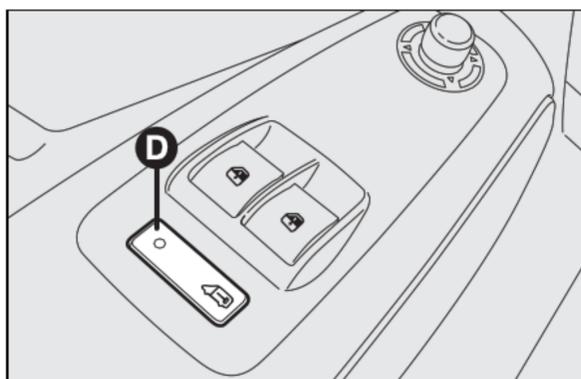


fig. 70

F0N0132m

### DOOR LOCK fig. 69

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

The window control panel features a button **D** for independent locking/unlocking of the load compartment **fig. 70**.

## 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 fuel and turning off the engine as a consequence. When the inertial switch cuts in, fuel supply is stopped and hazard and sidelights will turn on, for turning off press button **A**. An additional safety switch is also fitted, that in the event of a crash comes into operation by cutting off the power supply. These two safety switches therefore prevent dangerous fuel leaks due to fuel line cracking and sparks or electric discharges due to damaging or malfunctioning of the electric components of the vehicle in the event of a crash.

**IMPORTANT** After a crash, remember to remove the key from the ignition device to prevent battery run-down.

If, after a crash no fuel leaks or damages to the electric devices (e.g. headlights) are found and the vehicle can be started again, reset the fuel cut-off switch and the power supply cut-off switch (where provided). Follow the instructions given below.

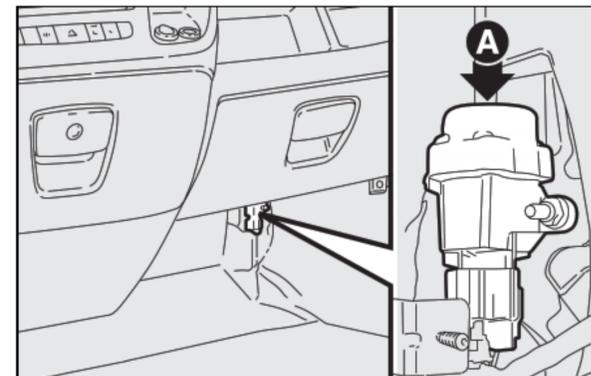


fig. 71

F0N0048m



### WARNING

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

### Resetting the fuel cut-off switch fig. 71

To reset the fuel cut-off switch, press button **A**.

### Resetting the power supply cut-off switch (Schoolbus/Minibus) fig. 72

The switch is located on the battery positive terminal.

To reset the power supply cut-off switch, proceed as follows:

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

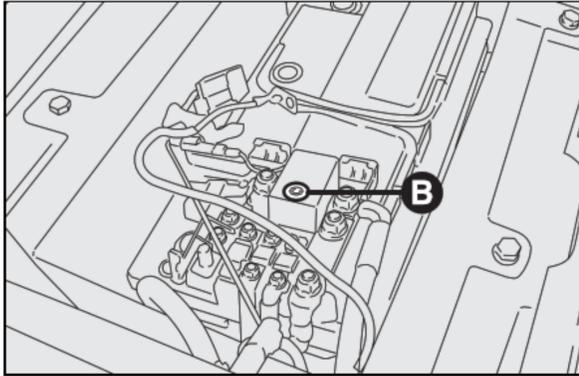


fig. 72

F0N0127m



**WARNING**

Before resetting the power supply cut-off switch carefully inspect the vehicle for fuel leaks or damages to electric devices (e.g. headlights).



**WARNING**

Before resetting the fuel cut-off switch carefully inspect the vehicle for fuel leaks or damages to electric devices (e.g. headlights).

**IMPORTANT** For models other than Schoolbus/Minibus, button **B** is replaced by a proper fuse; to replace it contact Fiat Dealership

**INTERIOR EQUIPMENT**

**UPPER ODDMENT COMPARTMENT - REFRIGERATED COMPARTMENT (where provided) fig. 73**

To use it, lift the lid as shown in the figure.

If the climate control system is fitted, the compartment (with bottle holder recess) can be cooled/warmed through a paper outlet connected to the climate control system.

**GLOVEBOX fig. 74**

To open the glovebox operate handle **A**.

**GLOVEBOX WITH LOCK fig. 75**

To lock/unlock it, turn the key clockwise/counterclockwise. To open it operate the relevant handle.

This compartment is suitable to house a portable computer.

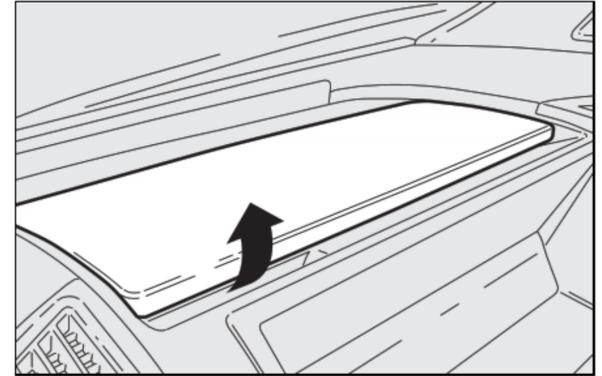


fig. 73

F0N0049m

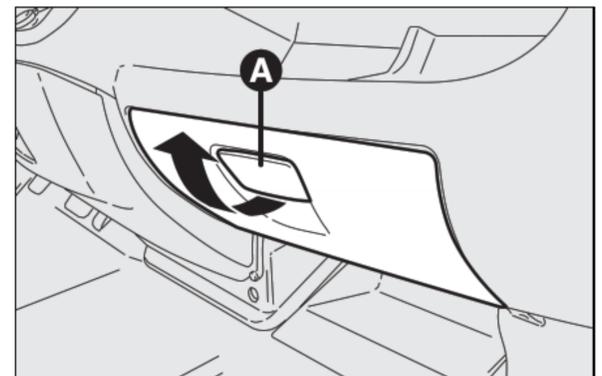


fig. 74

F0N0050m

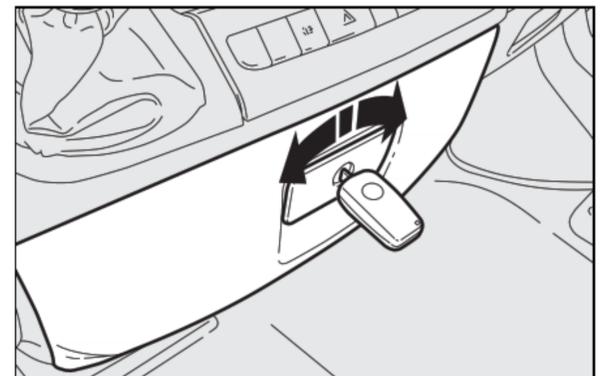


fig. 75

F0N0051m

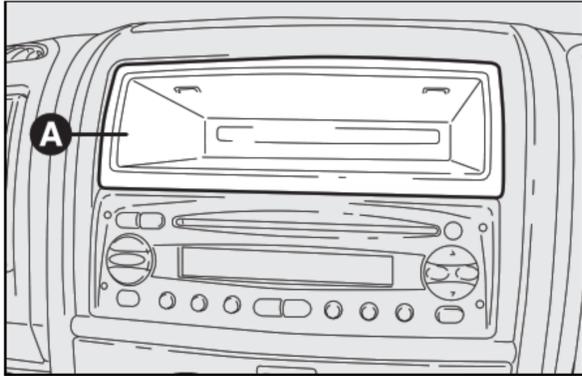


fig. 76

F0N0052m

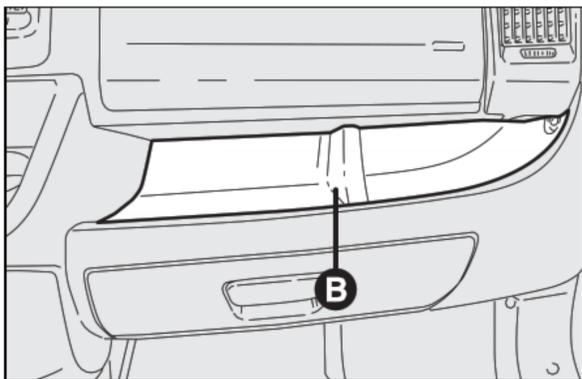


fig. 77

F0N0053m

### ODDMENT COMPARTMENTS

Oddment compartment **A**-fig. 76 is located in the middle of the dashboard.

Oddment compartment **B**-fig. 77 is located on the right side of the dashboard, above the glovebox.

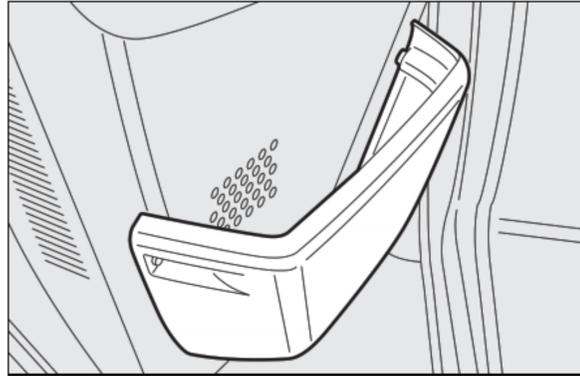


fig. 78

F0N0128m

### DOOR POCKETS

Document / map pockets are located in door panels.

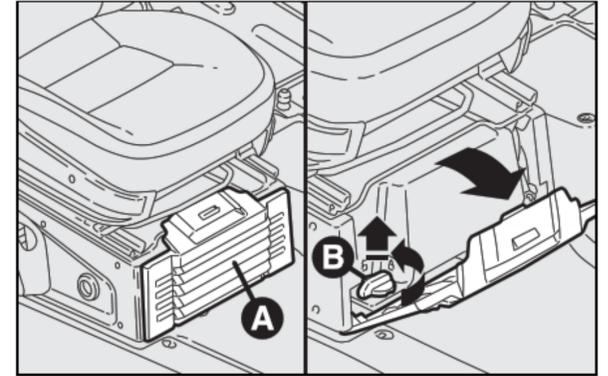


fig. 79

F0N0134m

### ODDMENT COMPARTMENT UNDER THE FRONT PASSENGER'S SEAT

To use it, proceed as follows:

- Open lid **A** and remove it as shown in fig. 79:
- turn the locking knob **B** counter-clockwise and remove it to extract the compartment.

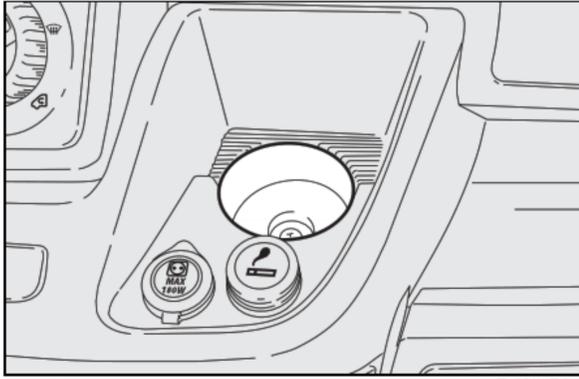


fig. 80

F0N0054m

**GLASS HOLDER - CAN HOLDER  
fig. 80**

Glass - can holder recesses are located on the central panel.

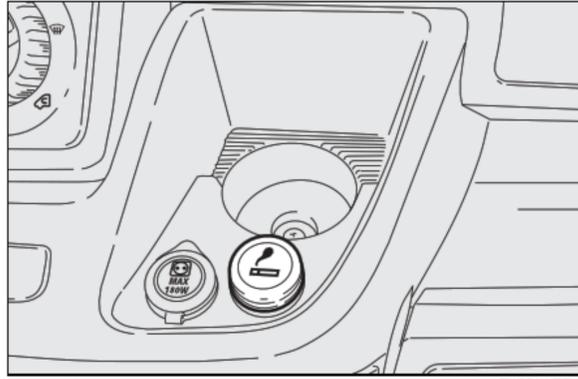


fig. 81

F0N0055m

**CIGAR LIGHTER fig. 81**

It is located in the central panel.

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

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

**IMPORTANT** Always check that the cigar lighter has turned off.

	<b>WARNING</b>
<i>The cigar lighter gets very hot. Handle it with care and make sure that it is not used by children: danger of fire and/or burns.</i>	

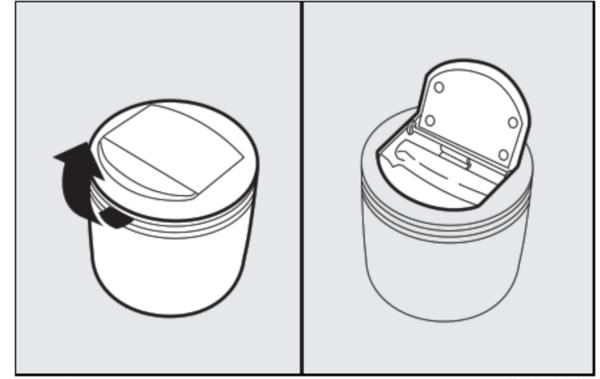


fig. 82

F0N0146m

**ASHTRAY fig. 82**

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

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

- DASHBOARD AND CONTROLS
- SAFETY DEVICES
- CORRECT USE OF THE VEHICLE
- WARNING LIGHTS AND MESSAGES
- IN AN EMERGENCY
- VEHICLE MAINTENANCE
- TECHNICAL SPECIFICATIONS
- INDEX

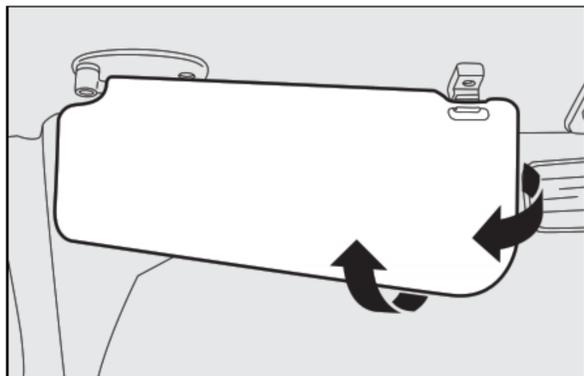


fig. 83

F0N0056m

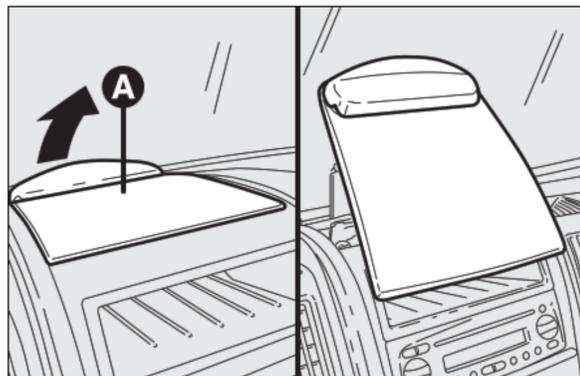


fig. 85

F0N0058m

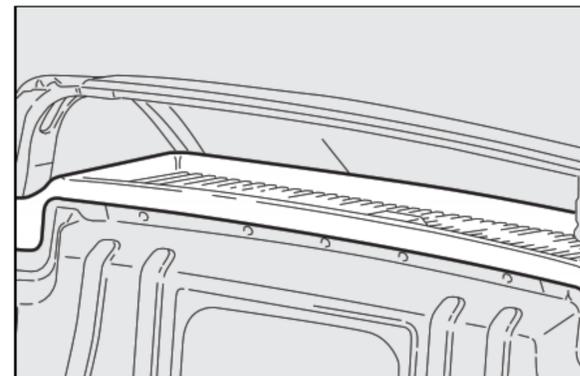


fig. 85a

F0N0190m

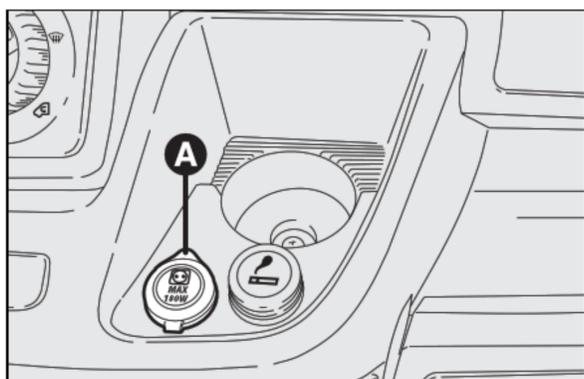


fig. 84

F0N0057m

**WRITING/READING DESK  
(where provided)**

In the middle of the dashboard, above the sound system compartment, is fitted a writing desk **A**-fig. 85 that, on certain versions can be used as a reading desk by lifting its rear part and then resting it on the dashboard as shown in the figure.

**STOWING SPACE ABOVE THE  
CAB fig. 85a (where provided)**

It is set above the driver's cab and it has been designed to stow light items.

**Max. admissible:**

- localised load ..... 10 kg
- load distributed on the whole shelf surface ..... 20 kg

**SUN VISORS fig. 83**

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

**CURRENT OUTLET  
(where provided)**

It is located on the central panel, near the cigar lighter **fig. 84**.

To use it open cap **A**.

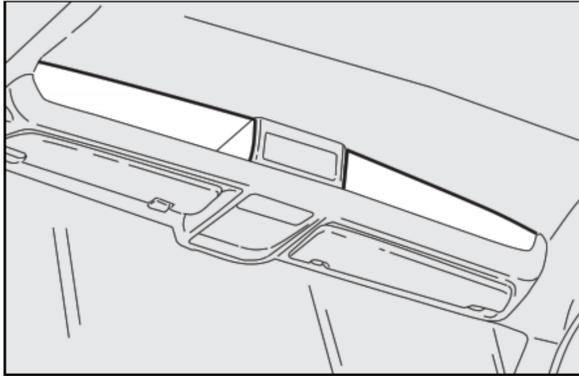


fig. 85b

F0N0191m

**ODDMENT COMPARTMENT IN THE CAB (CAPUCINE) fig. 85b (where provided)**

This oddment compartment is set above the sun visors and it has been designed to offer prompt stowing for light items (e.g. documents, road maps, etc. ...)

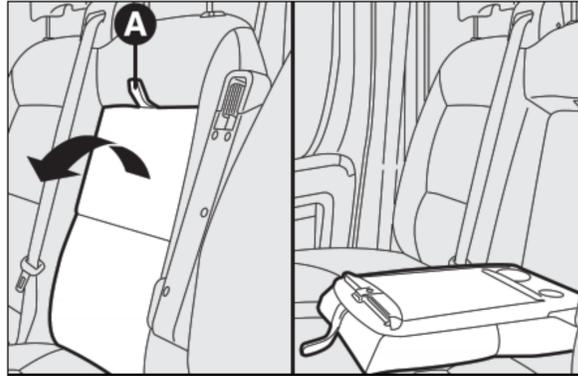


fig. 86

F0N0149m

**FOLDING TOP (where provided)**

To use it, pull tab **A**-fig. 86 and lower the folding top.

It houses two recesses for glasses/cans and tabletop with paper clip.

**MULTIMETER**

See the booklet provided by the multi-meter Manufacturer for more detailed information on operation and use.

Multimeter installation is compulsory if the vehicle weight (with or without the trailer) exceeds 3.5 tons.

**IMPORTANT** Changes to the instrument or to the signal transmission system which effects the instrument recordings, especially for fraudulent purposes, may be a criminal offence.

**IMPORTANT** For all versions fitted with tachograph (excluding the Minibus version), it is suggested to remove the 10 A red fuse marked with F39 (control unit) in case of prolonged vehicle stop (over 10 days).

**IMPORTANT**

Do not use abrasive detergents or solvents to clean the device. To clean its external surface, use a wet cloth or special products for cleaning synthetic materials.

The multimeter is installed and sealed with lead by authorised personnel: access to the device and relevant power and recording cables is forbidden.

The vehicle owner is responsible for governing the instrument use. The inspection must be carried out at least every two years and will include a test to confirm correct operation.

After the inspection, check that the plate is updated with specified data.

**DOORS****CENTRAL DOOR  
LOCKING/UNLOCKING SYSTEM****Locking from the outside**

With the doors closed, press the button  on the remote control **fig. 87** or fit and turn clockwise the metal insert into the driver's door lock.

Door locking is only possible if all the doors are closed. Opening one or more doors by pressing the button  on the remote control **fig. 87**, will make the direction indicators and the button led **A-fig. 90** flash quickly for about 3 seconds.

With this function active, buttons **A** and **B fig. 90** are disabled.

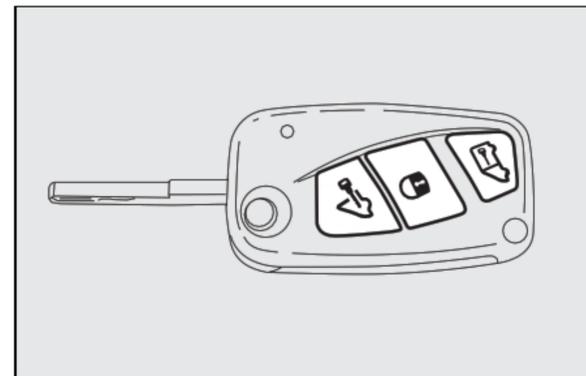


fig. 87

F0N0060m

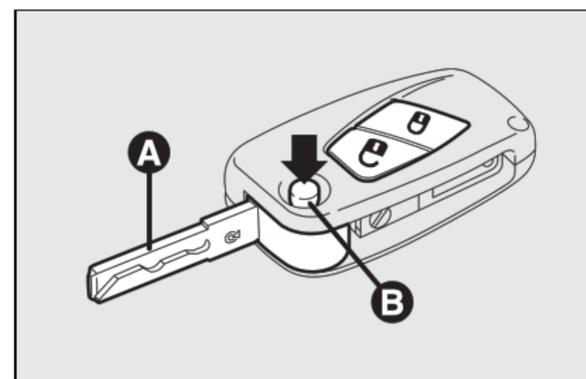


fig. 88

F0N0145m

Pressing twice briefly the button  on the remote control **fig. 87** will engage the dead lock device (see paragraph "Dead lock device").

**Door unlocking from the outside**

Briefly press button  **fig. 87** or  **fig. 88**, according to versions, to obtain remote door unlocking, timed ceiling light turning on, directions indicator double

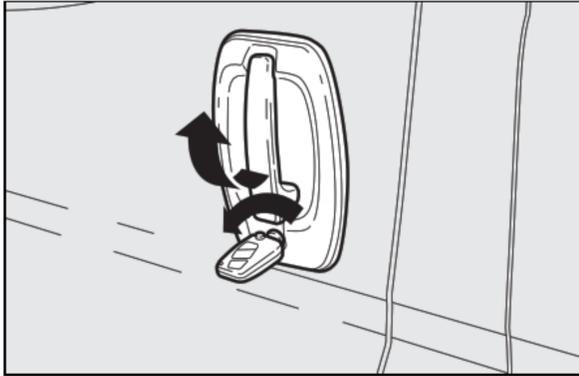


fig. 89

F0N0059m

flashing. Turn the metal insert counter-clockwise into the driver's door lock **fig. 89** to unlock all the doors.

### Door locking/unlocking from the inside

Press button **A-fig. 90** to lock and press button **B** to unlock the doors. When doors are locked the button led **A** is on and pressing the button **B** will obtain central unlocking of the doors and turning off of the led. When doors are unlocked, the button led is off and pressing the button will obtain central locking of the doors. Door locking is activated only if all the doors are perfectly closed.

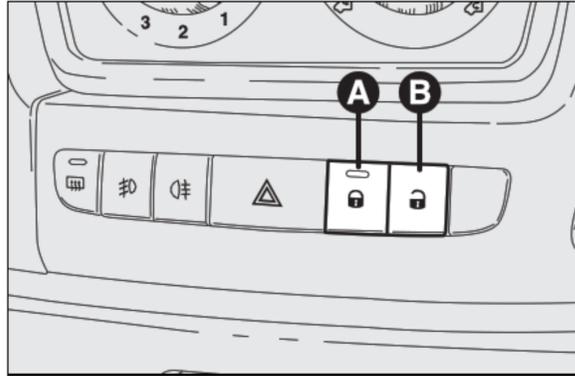


fig. 90

F0N0047m

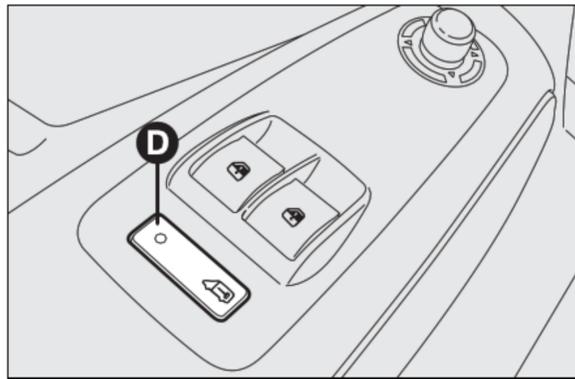


fig. 91

F0N0132m

To lock/unlock the load compartment, regardless of front doors condition, press button **D** on window control panel **fig. 91**.

Locking activation is indicated by the button led.

After locking doors by:

- remote control;
- door revolving plug;

it will not be possible to unlock the doors by pressing button **A-fig. 90**.

**IMPORTANT** With central locking active pulling the opening lever of one of the front doors will cause central locking deactivation. Pulling the internal door handle of one of the rear doors will unlock the relevant door.

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

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

## DEAD LOCK DEVICE (where provided)

This safety device enables to inhibit:

- door internal handles;
- locking/unlocking buttons **A-B fig. 90**; thus hindering doors opening from inside the passenger's compartment in case of attempt to break-into (e.g.: window breaking).

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



### WARNING

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

### Device activation

The dead lock device is automatically activated on every door when pressing twice briefly the remote control button , **fig. 87**.

Device activation is indicated by 3 flashing of direction indicators and flashing of the button led **A-fig. 90**.

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

### Device deactivation

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

- when opening the driver's door using the key without remote control;
- when unlocking doors using the remote control;
- turning the ignition key to **MAR**.

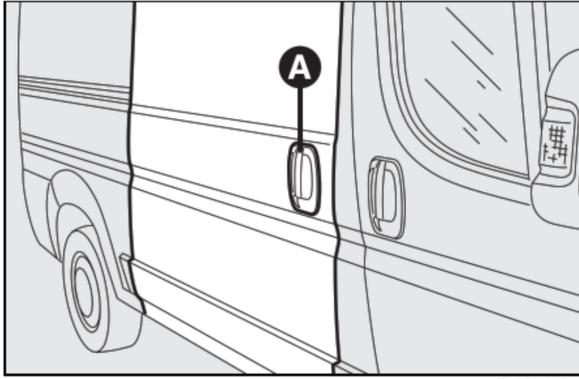


fig. 92

F0N0061m

## SIDE SLIDING DOOR



### WARNING

*When leaving the vehicle parked with the sliding doors open, always check that the door hooks are properly fastened into the retaining device.*



### WARNING

*Do not move the vehicle with side doors open.*

To open the side sliding door, raise the handle **A** and guide the door.

The side sliding door is equipped with a lock that stops it at the end of its opening run. Operate the outer handle **A** (or the corresponding inner one) and push the door to close it.

In any case, always make sure that the door is correctly fastened in the door open catch.

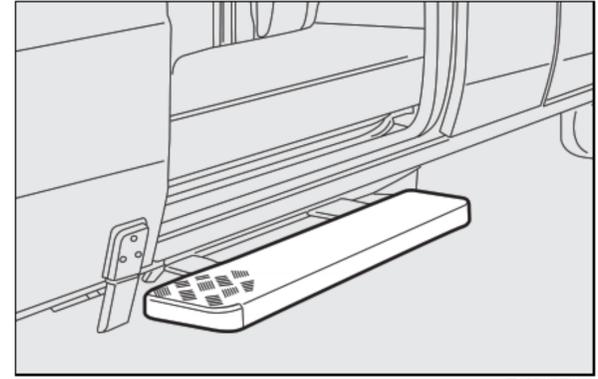


fig. 93

F0N0176m

## MOBILE FOOT BOARD fig. 93 (where provided)

When opening the passenger's compartment side door or the load compartment door, a foot board will come out under the vehicle floor to make easier to get into the vehicle.



### WARNING

*Always make sure the foot board is fully retracted before moving off. Since the foot board is interlocked with the side sliding door, if the foot board is not fully retracted or rear doors are not perfectly closed will cause instrument panel warning light  turning on.*

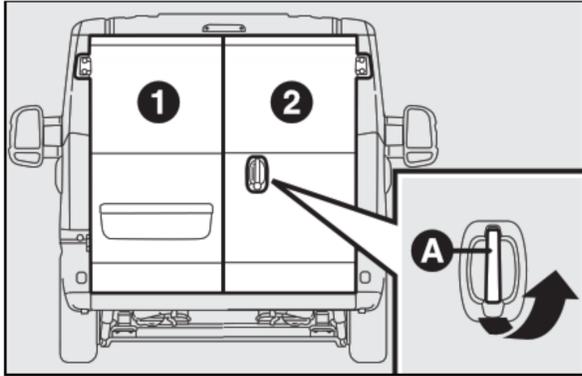


fig. 94

F0N0129m

## REAR DOUBLE DOOR

### Opening the first door by hand from the outside

Turn the key counterclockwise **fig. 89** or press the remote control button  and operate the handle **A-fig. 94** in the direction of the arrow.

### Closing the first door by hand from the outside

Turn the key clockwise or press the button  of the key with remote control. Close first the left door and then the right one.

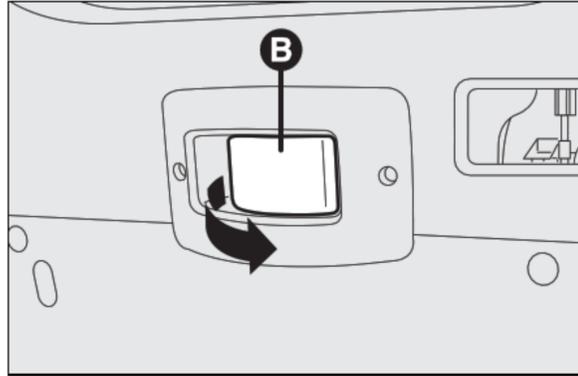


fig. 95

F0N0130m

### Opening the second door by hand (fig. 96)

Pull the handle **C** in the direction of the arrow.

The double rear doors are fitted with a catch which stops the opening at an angle of approximately 90°.

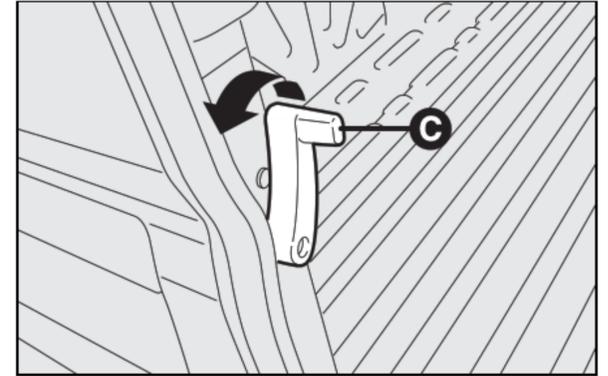


fig. 96

F0N0131m

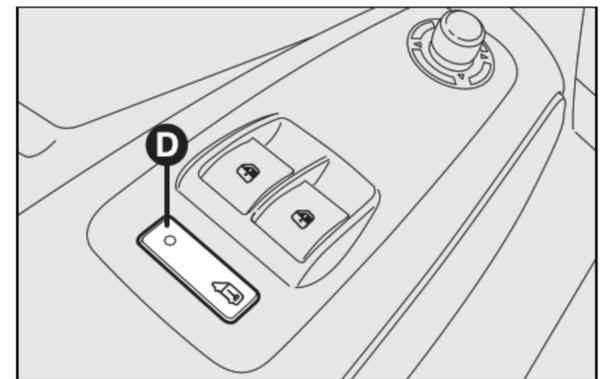


fig. 97

F0N0132m

### Powered closing from the inside fig. 97

Close both rear doors (first the left one and then the right one) and press button **D** located on window control panel.



### WARNING

The spring catch system is designed to ensure the best comfort in use. An accidental knock or gust of wind could release the springs and make doors close.

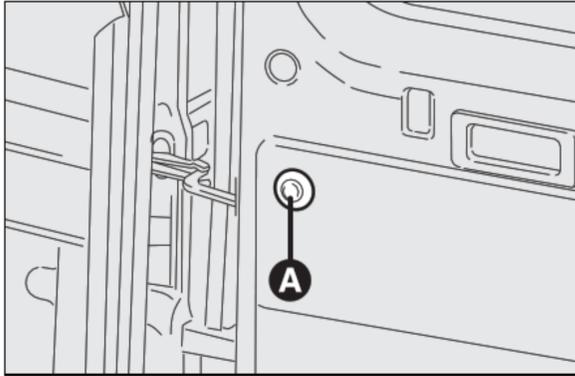


fig. 98

F0N0188m

It is possible to increase the opening angle of the two doors to facilitate loading and unloading operations. Press button **A**-fig. 98 to open the doors to about 180°.



### WARNING

When open to 180° the doors are not blocked. Do not use this system when the vehicle is parked on a slope or when it is windy.

## POWER WINDOWS

### fig. 99

The driver's door armrest features the switches that with the key at **MAR**:

- A** open/close the left front window;
- B** open/close the right front window;

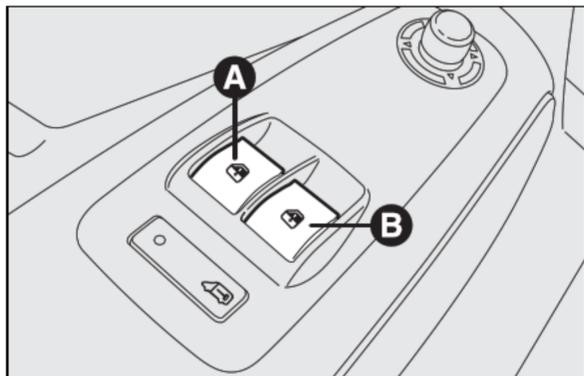


fig. 99

F0N0062m

### Automatic continuous operation (where provided)

Certain versions are fitted with automatic window opening/closing on the driver side and just with automatic window opening on front passenger side.

Automatic continuous operation activates by pressing one of the control switches for over half a second. The window will stop when it is completely open or when pressing the button again.

**IMPORTANT** With ignition key at **STOP** or removed, the power windows remain activated for about 3 minutes and are deactivated immediately the moment a door is opened.



### WARNING

*Improper use of the power windows can be dangerous. Before and during its operation ensure that any passengers are not at risk from the moving glass either by personal objects getting caught in the mechanism or by being injured by it directly. Always remove the ignition key when getting out of the vehicle to prevent the power windows being operated accidentally and constituting a danger to the passengers in the vehicle.*

### Front passenger door

The front passenger door internal armrest houses a dedicated switch controlling the relevant window.

## BONNET

### TO OPEN THE BONNET

Proceed as follows:

- open the driver's door to find the bonnet opening handle;
- pull lever **fig. 100** in the direction of the arrow;
- pull lever **A-fig. 101** as shown in the figure;
- lift the bonnet and at the same time release the rod **fig. 102** from the catch **D**, then fit the rod end **C-fig. 103** into the bonnet recess **E**.

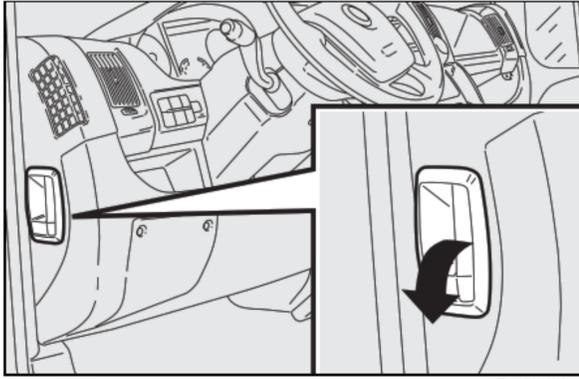


fig. 100

F0N0063m

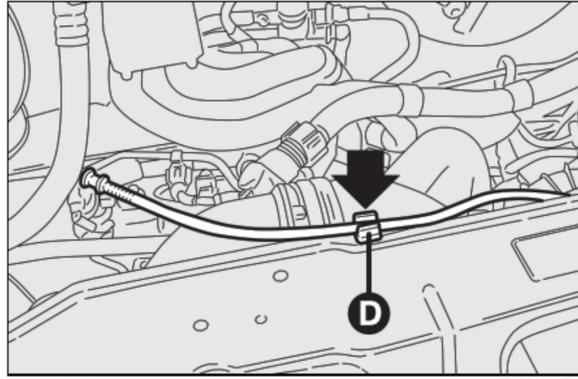


fig. 102

F0N0065m

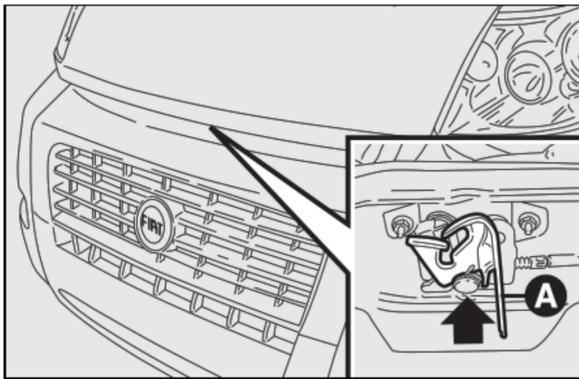


fig. 101

F0N0064m

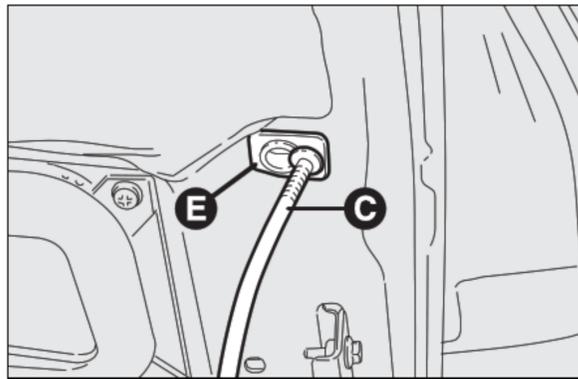


fig. 103

F0N0066m

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

### TO CLOSE THE BONNET

Proceed as follows:

- hold the bonnet up with one hand and with the other remove rod **C**-**fig. 103** from recess **E** and fit it back into its catch **D**-**fig. 102**;

- lower the bonnet at approx. 20 centimetres from the engine compartment and then let it drop, ensuring that it is fully closed and not just held in position by the safety catch. If the bonnet does not close properly, do not push it down but open it again and repeat the above procedure.

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



### WARNING

For safety reasons the bonnet must be closed properly to avoid its opening while the vehicle is travelling. Therefore, always check it is properly closed and the catch engaged. Should you notice that the catch is not perfectly engaged when travelling, stop the vehicle immediately and close the bonnet.



### WARNING

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



### WARNING

Carry out operations only when the vehicle is stationary.

## ROOF RACK/SKI RACK

To fit roof racks/ski racks, with presetting for versions H1 and H2, use the proper pins set at roof edges **fig. 104**.

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

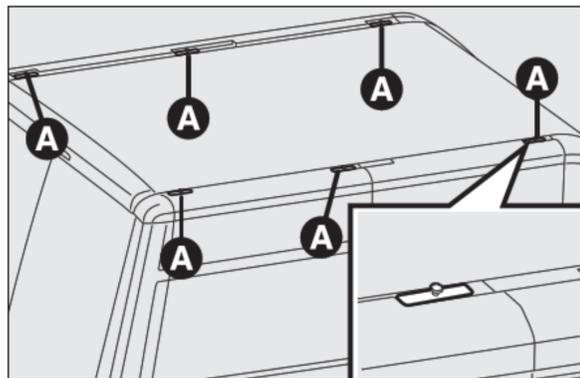


fig. 104

F0N0138m

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



### WARNING

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



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



### 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 section "Technical specifications").*

## HEADLIGHTS

### ADJUSTING THE HEADLIGHT BEAM

Proper adjustment of the headlight beams is of vital importance for your safety and comfort and also for the other road users. To ensure you and other drivers have the best visibility conditions when travelling with the headlights on, the headlights must be set properly. Contact Fiat Dealership to have the headlights properly adjusted.

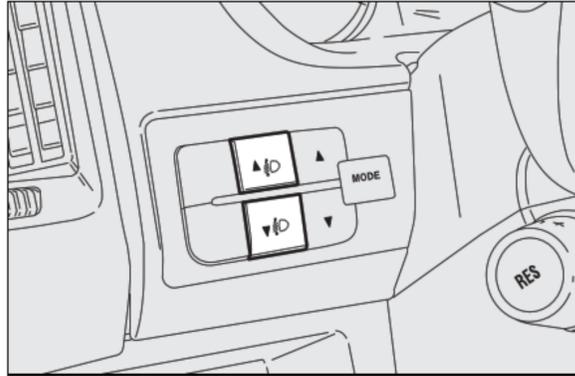


fig. 105

F0N0067m

### HEADLIGHT AIMING DEVICE

It works with ignition key at **MAR** and dipped beams on. When the vehicle is loaded, it slopes backwards. This means that the headlight beam rises. In this case, it is necessary to return it to the correct position.

### To adjust the headlight slant fig. 105

Press buttons  and  set on the control panel.

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

**IMPORTANT** Check beam aiming every time the load carried changes.

### ADJUSTING THE FRONT FOG LIGHTS (where provided)

Contact Fiat Dealership to have the headlights properly adjusted.

### HEADLIGHT ADJUSTMENT ABROAD

The dipped beam headlights are adjusted for circulation in the country in which the vehicle is marketed. In countries with opposite circulation, to avoid glaring oncoming vehicles, it is necessary to cover the areas of the headlight using a special sticker tape provided for the purpose.

## ABS SYSTEM

If you have never driven a vehicle with ABS before, you should practice using the system on slippery terrain, obviously with the necessary safety precautions and keeping to the Highway Code of the country you are in. It is also a good idea to read the following information carefully.

The ABS system, integral with the braking system, prevents the wheels from locking when braking, makes the most of road grip and gives the best control when emergency braking under difficult road conditions.

System is completed by EBD (Electronic Braking force Distribution), which distributes the braking action between front and rear wheels.

**IMPORTANT** To have the maximum efficiency of the braking system, it is necessary a setting period of about 500 km (with new vehicle after replacing brake pads/discs): during this period it is better to avoid sharp, repeated and prolonged brakes.



### WARNING

*The ABS exploits the tyre-road grip at the best, but it cannot improve it; you should therefore take every care when driving on slippery surfaces without taking unnecessary risks.*

### ABS SYSTEM INTERVENTION

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



### WARNING

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

## FAILURE INDICATIONS

### ABS failure

ABS failure is indicated by the turning on of warning light  on the instrument panel together with the dedicated message on the multifunction display (where provided), (see section “Warning lights and messages”).

In this case the braking system is still efficient, though without the aid of the ABS system. Drive carefully to the closest Fiat Dealership to have the system checked.

## EBD failure

EBD failure is indicated by the turning on of warning lights  and  on the instrument panel together with the dedicated message on the multifunction display (where provided), (see section “Warning lights and messages”).

In this case with sharp braking the rear wheels might lock too early, with the possibility of skidding. Drive extremely carefully to the nearest Fiat Dealership to have the system checked.



### WARNING

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

## BRAKE ASSIST

**(emergency braking assistance integral with ESP) (where provided)**

The system, which cannot be cut out, recognizes emergency braking (on the ground of the brake pedal operation speed) and considerably increases the pressure in the brake circuit.

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



### WARNING

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

## ESP SYSTEM (Electronic Stability Program) (where provided)

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

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

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

### ESP SYSTEM INTERVENTION

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

## ESP SYSTEM ACTIVATION

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

## FAILURE INDICATIONS

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



### WARNING

**Performance of the ESP system, in terms of active safety should not induce the driver to take pointless and unnecessary risks. The style of driving must in any case always be adapted to the conditions of the road surface, visibility and traffic. Road safety is always the driver's responsibility.**

## HILL HOLDER SYSTEM

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

It will activate automatically with the following conditions:

- uphill: vehicle at a standstill on a road with a gradient higher than 5%, engine running, clutch and brake pedal pressed, gearbox to neutral or engaged gear other than reverse.
- downhill: vehicle at a standstill 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 keep brake force on wheels until reaching the torque suitable for starting, or in any case for max. 2 seconds in order to pass easily from the brake pedal to the accelerator pedal.

After two seconds without starting, the system will deactivate automatically by releasing gradually the brake force.

At releasing, the typical brake disengagement noise indicating that the vehicle is going to move will be heard.

## Failure indications

System failure is indicated by the turning on of warning light  (see section “Warning lights and messages”).

**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 the first speed.



### WARNING

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

## ASR SYSTEM (Antislip Regulator)

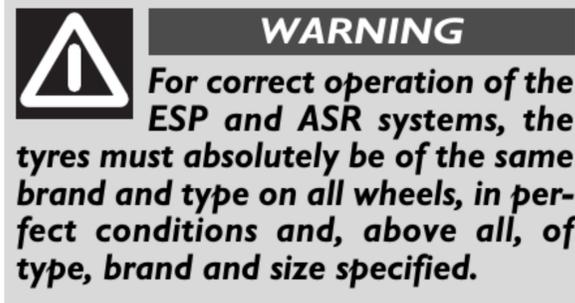
The ASR function controls vehicle drive and cuts in automatically every time one or both driving wheels slip.

According to slipping conditions, two different control systems are activated:

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

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

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



## MSR system (engine braking torque control)

It is an integral part of the ASR system that in case of sudden gear shifting, cuts in providing torque to the engine thus preventing excessive driving wheel drive that, specially in poor grip conditions, can lead to loss of stability.

### Switching the system on/off fig. 106

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

When travelling, the ASR can be switched off and on again by pressing switch **A** located on the dashboard **fig. 106**.

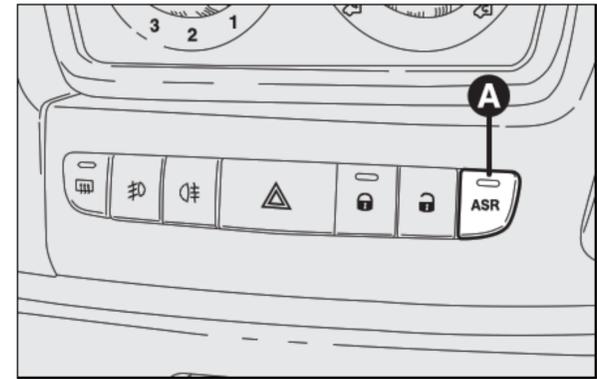


fig. 106

F0M0077m

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

Versions equipped with ASR system only, at deactivation (ASR OFF) the warning light  will always stay on.

If the ASR is switched off when travelling, it will turn on again automatically the next time the engine is started.

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

**WARNING**

*The performance of the system, in terms of active safety should not induce the driver to take pointless and unnecessary risks. The style of driving must in any case always be adapted to the conditions of the road surface, visibility and traffic. Road safety is always the driver's responsibility.*

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

**FAILURE INDICATIONS**

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

**EOBD SYSTEM**

The EOBD system (European On Board Diagnosis) allows continuous diagnosis of the components of the vehicle correlated with emissions.

It also alerts the driver, by turning on the warning light  on the instrument panel (together with relevant message on the multifunction display, where provided) (see section "Warning lights and messages"), when these conditions are no longer in peak conditions.

The objective is:

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

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

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



If turning the ignition key to MAR, the warning light  does not turn on or if, while travelling it turns on glowing steadily or flashing (together with the message on the multifunction display, where provided), contact Fiat Dealership as soon as possible. Warning light  operation can be checked by means of special equipment by traffic agents. Always comply with the traffic regulations in force in the country where you are travelling.

## PARKING SENSORS (where provided)

Parking sensors are located in the rear bumper **fig. 107** 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 distance from the obstacle behind the vehicle decreases, the acoustic alarm becomes more frequent.

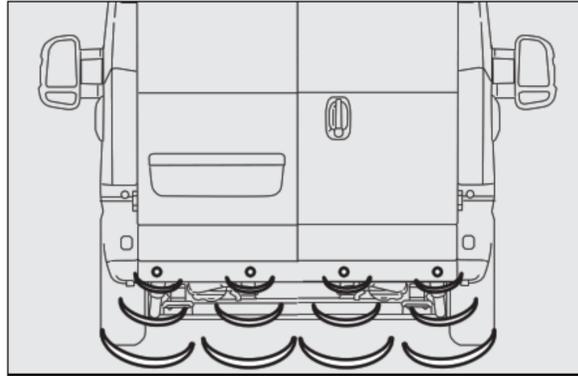


fig. 107

### BUZZER WARNINGS

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

The acoustic signal:

- becomes louder as the reduction of 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 raises;
- is constant if the distance is unvaried; if this situation concerns the side sensors, the buzzer will stop after about 3 seconds to avoid, for example, warning indications in the event of manoeuvres along walls.

### Detection distances

Central action radius 140 cm  $\pm$ 10 cm

Side action radius 60 cm  $\pm$ 20 cm

If several obstacles are detected, the control unit indicates the nearest one.

### FAILURE INDICATIONS

Parking sensor failures, if any, will be indicated when engaging reverse by the turning on of the instrument panel warning light **P** together with the message on the multifunction display, where provided (see section "Warning lights and messages").

## OPERATION WITH TRAILER

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

Sensors are reactivated when removing the trailer cable plug.

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



*For proper operation, the parking sensors shall always be clean from mud, dirt, snow or ice. When cleaning the sensors, take the utmost care to prevent their damaging; do not use therefore dry or rough clothes. Sensors shall be washed with clean water and vehicle detergent, if required.*



### WARNING

*Parking manoeuvres however are always under the driver's responsibility that shall always check the absence of people (specially children) or animals in the manoeuvre space. This system is just a help for the driver but she/he shall never reduce attention during dangerous manoeuvres even if performed at low speed.*

## GENERAL WARNINGS

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

Below are listed some conditions that could affect the parking system performance:

- ❑ Reduced sensor sensitivity or reduced parking system performance could be due to the presence on the sensor surface of: ice, snow, mud, multiple painting.

- ❑ The sensor detects a non-existent object (“echo disturbances”) caused by disturbances of mechanical nature, e.g.: vehicle washing, rain (extreme wind conditions), hail.
- ❑ Indications sent by the sensors can also be altered by ultrasound systems (e.g.: truck pneumatic brakes or pneumatic hammers) set nearby the vehicle.

- ❑ Parking system performance could also be affected by sensor position. For instance, when trimming is changed (due to wear of shock absorbers, suspensions) or when changing tyres, loading excessively the vehicle, carrying out specific tuning for lowering the vehicle.
- ❑ Obstacle detection at the top of the vehicle (specially for vans or chassis cabs) could not be guaranteed since the system detects obstacles that can strike the bottom of the vehicle.

## SOUND SYSTEM (where provided)

For sound system operation refer to the Supplement attached to the Owner Handbook.

### SOUND SYSTEM PRESETTING (where provided)

The system consists of:

- sound system power wires
- front speaker connecting wires
- aerial power wire
- 2 tweeters **A** on front posts (30W max power each);
- 2 mid-woofers **B** on front doors (165 mm diameter, 40W max power each);
- radio aerial wire.

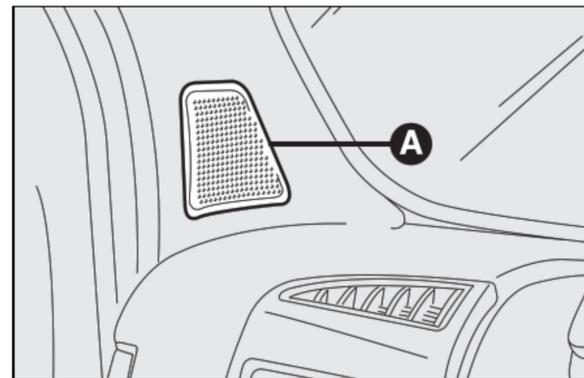


fig. 108

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The sound system shall be installed in the proper space occupied by the central oddment compartment, here you will find the preset cables.

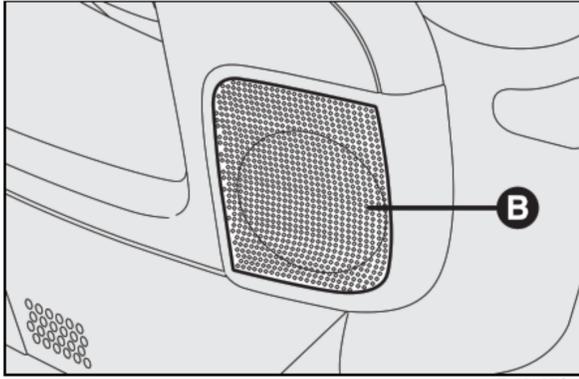


fig. 109

F0N0158m

## ACCESSORIES PURCHASED BY THE OWNER

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



### WARNING

**For connection to existing vehicle presetting system, contact Fiat Dealership to prevent any trouble that could impair vehicle safety.**



### WARNING

**Take care when fitting additional spoilers, alloy rims and non-standard wheel caps: they might reduce ventilation of the brakes, thus their efficiency, during abrupt and repeated braking, or long downhill slopes. Make sure that nothing (mats, etc.) gets in the way of the pedals when they are pushed down.**

DASHBOARD AND CONTROLS

SAFETY DEVICES

CORRECT USE OF THE VEHICLE

WARNING LIGHTS AND MESSAGES

IN AN EMERGENCY

VEHICLE MAINTENANCE

TECHNICAL SPECIFICATIONS

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## RADIO TRANSMITTERS AND CELLULAR TELEPHONES

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

**IMPORTANT** The use of similar devices inside the passenger compartment (without separated aerial) produces radio-frequency electromagnetic fields which, amplified by the resonance effects inside the passenger compartment, may cause electrical systems equipping the vehicle to malfunction. This could compromise safety in addition to constituting a potential hazard for the passengers.

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

As concerns EC-approved mobile phones (GSM, GPRS, UMTS), strictly comply with the instructions for use provided by the mobile phone's manufacturer.

## AT THE FILLING STATION

If the outside temperature is very low, the diesel thickens due to the formation of paraffins and could clog the diesel fuel filter.

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).

The possibility of topping up with diesel fuel not complying with EN590 European Norm might make it necessary to replace the filter more frequently than indicated in the Service Schedule.



The vehicle must only be filled with diesel fuel for motor vehicles, in compliance with European Standard EN590. The use of other products or mixtures may irreparably damage the engine with invalidation of the warranty due to the damage caused. In the event of accidentally filling with another type of fuel, do not start the engine and empty the tank. If the engine has been run even for only a very short time, in addition to the tank, it is also necessary to drain out the whole fuel circuit.

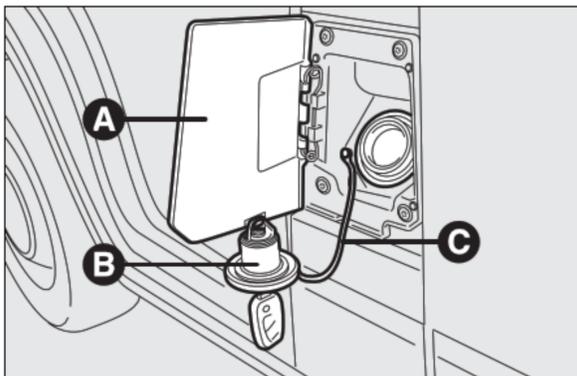


fig. 110

F0N0068m

#### FUEL FILLER CAP fig. 110

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

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

When refuelling, position the cap on the device inside the lid as shown in **fig. 110**.



#### WARNING

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

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## PROTECTING THE ENVIRONMENT

The devices for curtailing diesel fuel engine emissions are the following:

- oxidising catalytic converter;
- exhaust gas recirculation system (E.G.R.);



### WARNING

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

# SAFETY DEVICES

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## SEAT BELTS

### USING THE SEAT BELTS fig. 1

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

To fasten the seat belts, take hold the tongue **A** and insert it into the buckle **B**, until hearing the locking click.

At removal, if it jams, let it rewind for a short stretch, then pull it out again without jerking.

To unfasten the seat belts, press button **C**. Guide the seat belt with your hand while it is rewinding, to prevent it from twisting.

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

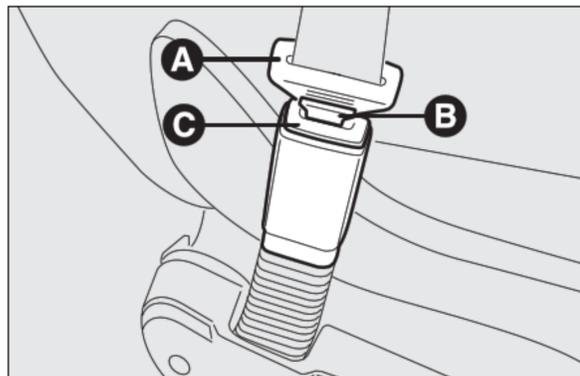


fig. 1

F0N0069m

When the vehicle is parked on a steep slope the reel mechanism may block; this is normal. The reel mechanism also prevents the webbing coming out when it is jerked or if the vehicle brakes sharply, is in a collision or when cornering at high speed.



#### WARNING

Never press button **C**-fig. 1 when travelling.

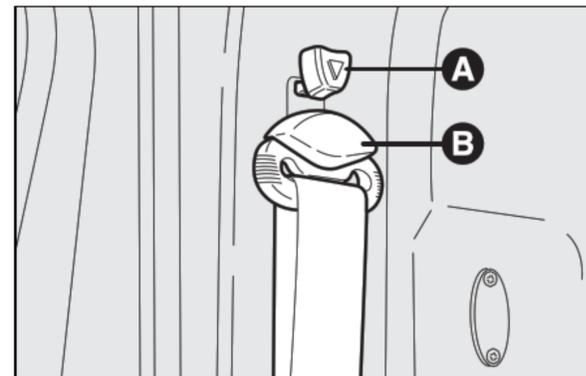


fig. 2

F0N0070m

### ADJUSTING THE SEAT BELT HEIGHT fig. 2



#### WARNING

Only adjust seat belt height when the vehicle is stationary.

To adjust, press button **A**-fig. 2 and raise or lower the grip **B**-fig. 2.

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

The belt is adjusted properly when the webbing passes approximately halfway between the edge of the shoulder and the neck.



### WARNING

After you have made the adjustment, always make sure that the loop is attached firmly in one of the preset positions. To do this, with the button released, exert a further pressure to allow the anchoring device to catch if release did not take place at one of the preset positions.



fig. 3

F0N0156m

### Front central bench seat, seat belt with retractor

The front double bench seat is fitted with integral seat belt (reel on the seat) with three anchor points for the centre seat.

## S.B.R. SYSTEM

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

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

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

For permanent deactivation, contact 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.

## PRETENSIONERS

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

Pretensioner activation is indicated by buckle withdrawal downwards; the seat belt cannot be drawn back up even when guiding it manually.

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

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

The pretensioner does not require any maintenance or greasing.

Anything that modifies its original conditions invalidates its efficiency.

If due to unusual natural events (floods, seas storm, etc.) the device has been affected by water and mud, it must necessarily be replaced.



### WARNING

**The pretensioner can only be used once. After a collision that has triggered it, have it replaced at a Fiat Dealership. Pretensioner validity is indicated on the label in the glove compartment: the pretensioners should be replaced at a Fiat Dealership as this date approaches.**



**Operations which lead to knocks, vibrations or localised heating (over 100°C for a maximum of 6 hours) in the area around the pretensioners may cause damage or trigger them. These devices are not affected by vibrations caused by irregularities of the road surface or low obstacles such as kerbs, etc. Contact a Fiat Dealership for any assistance.**

## LOAD LIMITERS

To increase passenger's safety, the front seat belt reels contain a load limiter which allows controlled sag in such a way as to dose the force acting on the chest and shoulders during the belt restraining action in case of front crash.



fig. 4

F0N0120m

### GENERAL INSTRUCTIONS FOR USING THE SEAT BELTS

The driver must comply with (and have the vehicle occupants follow) all the local legal regulations concerning the use of seat belts. Always fasten the seat belts before starting.



fig. 5

F0N0121m

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.



fig. 6

F0N0122m

Of course they must position the lower part of the belt very low down so that it passes under the abdomen, see **fig. 4**.



#### WARNING

*The belt should not be twisted. The upper part should pass over the shoulder and cross the chest diagonally. The lower part should adhere to the pelvis and not the abdomen of the passenger, see fig. 5. Do not use any objects (pegs, stoppers, etc.) to keep the belts away from the body.*

**WARNING**

*For maximum safety, keep the back of your seat upright, lean back into it and make sure the seat belt fits closely across your chest and hips. Make sure that the seat belts of the front and rear passengers are fastened at all times! You increase the risk of serious injury or death in a collision if you travel with the belts unfastened.*

**WARNING**

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

**WARNING**

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

**WARNING**

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

## HOW TO KEEP THE SEAT BELTS ALWAYS IN EFFICIENT CONDITIONS

Observe the following:

- always use the belt with the tap taut and never twisted; make sure that it is free to run without impediments;
- after a serious accident, replace the belt being worn at that time, even if it does not appear damaged. Always replace the seat belts if pretensioners have been activated;
- to clean the belts, wash by hand with neutral soap, rinse and leave to dry in the shade. Never use strong detergents, bleach or dyes or other chemical substance that might weaken the fibres;
- prevent the reels from getting wet: their correct operation is only guaranteed if water does not get inside;
- replace the seat belt when showing significant wear or cut signs.

## CARRYING CHILDREN SAFELY

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

This is even more important for children.

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

Compared with adults, their head is proportionally larger and heavier than the rest of the body, while the muscles and bone structure are not completely developed. Therefore, correct restraint systems are necessary, other than adult seat belts. The results of research on the best child restraint systems are contained in the European Standard EEC-R44. This Standard enforces the use of restraint systems classified in five groups:

Group 0	0-10 kg in weight
Group 0+	0-13 kg in weight
Group 1	9-18 kg in weight
Group 2	15-25 kg in weight
Group 3	22-36 kg in weight

As it may be noted, the groups overlap partly and in fact, in commerce it is possible to find devices that cover more than one weight group.

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

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

Lineaccessori Fiat offers seats for each weight group, which are the recommended choice, as they have been designed and experimented specifically for Fiat vehicles.

**WARNING**

*With front passenger's air bag active do not place cradle child's seats facing backwards on the front passenger seat since the air bag activation could cause serious injuries, even mortal regardless of the seriousness of the crash. You are advised to carry children always on the rear seat, as this is the most protected position in the case of a crash.*

**WARNING**

**SERIOUS DANGER** *Should it be absolutely necessary to carry a child on the front passenger's seat with the cradle seat facing backwards, passenger's air bags (front and side bags, where provided), shall be deactivated through the set-up menu. Deactivation shall be checked through the instrument panel warning light . The front passenger's seat shall also be adjusted in the most backward position to prevent any contact between child's seat and dashboard.*

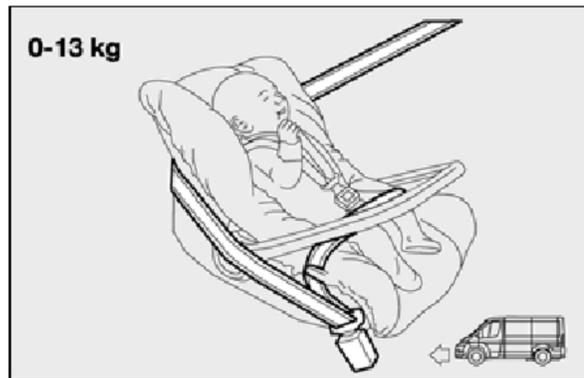


fig. 7 F0N0123m

### GROUP 0 and 0+

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

The cradle is restrained by the vehicle seat belts **fig. 7** and in turn it must restrain the child with its own belts.



fig. 8 F0N0124m

### GROUP 1

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

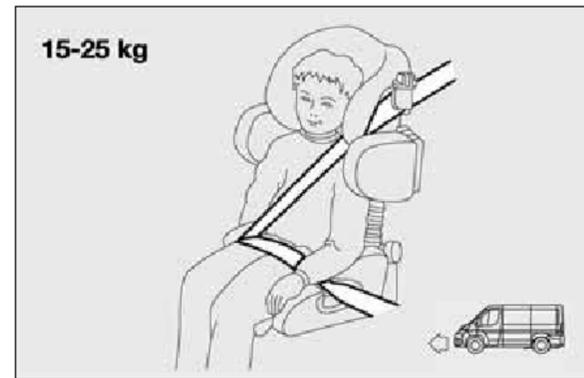


fig. 9 F0N0125m

### GROUP 2

Starting from 15 kg to 25 kg in weight, children may be restrained directly by the vehicle belts **fig. 9**. The only function of the seat is to position the child correctly in relation to the belts, so that the diagonal part adheres to the chest and not to the neck and that the horizontal part clings to the child's pelvis and not the abdomen.



#### WARNING

The figure is only an example for mounting. Attain to the instructions for fastening which must be enclosed with the specific child restraining system you are using.



#### WARNING

Seats exist which are suitable for covering weight groups 0 and 1 with a rear connection to the vehicle belts and their own belts to restrain the child. Due to their size, they can be dangerous if installed incorrectly fastened to the vehicle belts with a cushion. Carefully follow the instructions for installation provided with the seat.



#### WARNING

The figure is only an example for mounting. Attain to the instructions for fastening which must be enclosed with the specific child restraining system you are using.



fig. 10

FOM0126m

**GROUP 3**

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

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

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

**WARNING**

*The figure is only an example for mounting. Attain to the instructions for fastening which must be enclosed with the specific child restraining system you are using.*

**PASSENGER SEAT COMPLIANCE WITH REGULATIONS ON CHILD'S SEAT USE**

Your vehicle complies with the new European Directive 2000/3/EC regulating child's seat assembling on the different vehicle seats according to the following tables:

Group	Range of weight	Single seat passenger 	Two bench-seater (2 passengers)
Group 0, 0+	up to 13 kg	U	U
Group 1	9-18 kg	U	U
Group 2	15-25 kg	U	U
Group 3	22-36 kg	U	U

**Key:**

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

**WARNING**

*With passenger's revolving seat, before installing the universal child restraint system make sure the passenger' seat is positioned fully up.*

**To sum up the safety precautions to follow when transporting children:**

- 1) The recommended position for installing child's seat is on the rear seat, as it is the most protected in the case of a crash.
- 2) If the passenger's air bag is deactivated always check the amber warning light on the cluster to make sure that it has actually been deactivated.
- 3) Attain to the instructions for fastening the specific child restraint system which you are using. These instructions must be provided by the manufacturer. Keep the child restraint system installation instructions with the vehicle documents and with this Handbook. Never use a child restraint system without installation instructions.
- 4) Always check the seat belt is well fastened by pulling the webbing.

- 5) Only one child is to be strapped to each retaining system.
- 6) Always check the seat belts do not fit around the child's throat.
- 7) While travelling, do not let the child sit incorrectly or release the belts.
- 8) Passengers should never carry children on their laps. No-one, however strong they are, can hold a child in the event of a crash.
- 9) In case of an accident, replace the child's seat with a new one.



**WARNING**

*With front passenger's air bag active do not place cradle child's seats facing backwards on the front passenger seat since the air bag activation could cause serious injuries, even mortal regardless of the seriousness of the crash. You are advised to carry children always on the rear seat, as this is the most protected position in the case of a crash.*

## FRONT AIR BAGS

The vehicle is fitted with front air bags for driver and passenger.

The driver / passenger front air bags have been designed to protect the occupants in the event of head-on crashes of medium-high severity, by placing the cushion between the occupant and the steering wheel or dashboard.

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

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

The driver / passenger front air bags are not a replacement of but complementary to the use of belts, which should always be worn, as specified by law in Europe and most non European countries.

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

In case of crash, a person not wearing the seat belt moves forward and may come into contact with the cushion while it is still inflating. Under this circumstance the protection offered by the air bag is reduced.

Front air bags may not be activated in the following situations:

- in collisions against highly deformable objects not affecting the vehicle front surface (e.g. bumper collision against guard rail, heaps of gravel, etc.);
- in case of wedging under other vehicles or protective barriers (for example under a truck or guard rail), the air bag is not triggered as it offers no additional protection compared with the seat belts, consequently it would be pointless. Therefore, failure to come into action in the above circumstance does not mean that the system is not working properly.



### WARNING

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

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

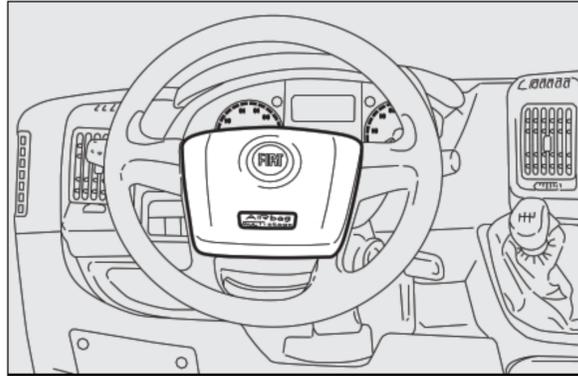


fig. 11

### DRIVER'S FRONT AIR BAG fig. 11

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

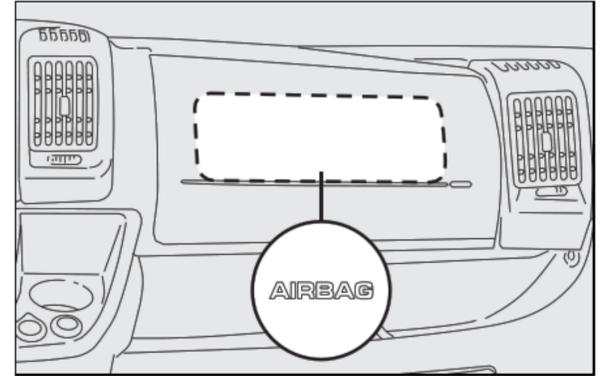


fig. 12

### PASSENGER'S FRONT AIR BAG (where provided) fig. 12

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

**WARNING**

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

**MANUAL DEACTIVATION OF PASSENGER'S FRONT AIR BAG AND SIDE BAG (where provided)**

Should it be absolutely necessary to carry a child on the front seat, the passenger's front air bag and the side bag (where provided) can be deactivated.

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

**WARNING**

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

**SIDE AIR BAGS**

The vehicle is fitted with front side bags for driver and passenger (where provided) for protecting the chest and window bags (where provided) for protecting front passengers' head.

Side bags (where provided) protect vehicle occupants from side crashes of medium-high severity, by placing the cushion between the occupant and the internal parts of the side structure of the vehicle.

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

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

Side bags (where provided) are not a replacement of but complementary to the belts, which you are recommended to always wear, as specified by law in Europe and most non-European countries.

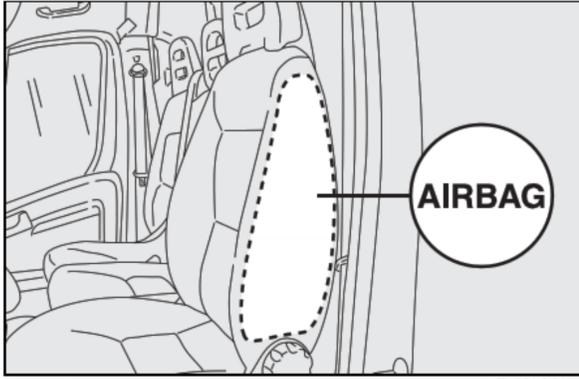


fig. 13

F0N0140m

### FRONT SIDE BAGS - CHEST PROTECTION

fig. 13 (where provided)

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

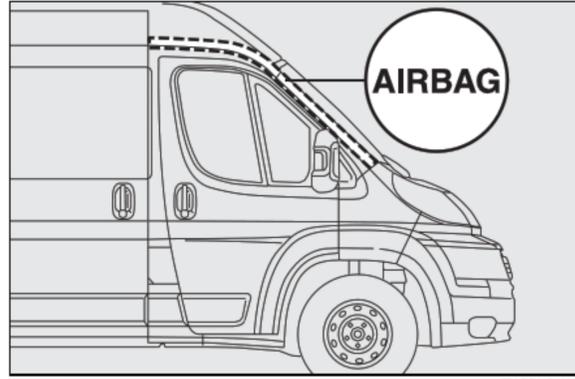


fig. 14

F0N0133m

### SIDE WINDOW BAGS - HEAD PROTECTION

fig. 14 (where provided)

They consist of two "curtain" cushions, 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 proper finishing.

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

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

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

**IMPORTANT** When the airbag inflates it emits a small amount of dusts. These dusts are harmless and is not the beginning of a fire; then the unfold cushion surface and the vehicle interiors can be covered by a dusty remains: this dust can irritate skin and eyes. In case of contact, wash yourself using neutral soap and water.

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

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

Every control, repair and replacement operations concerning the air bags must only be carried out c/o Fiat Dealership.

If you are having the vehicle scrapped, have the air bag system deactivated at a Fiat Dealership first. If the vehicle changes ownership, the new owner must be informed of the method of use of air bags and the above warnings and also be given this "Owner Handbook".

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



#### WARNING

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



#### WARNING

**Never lean head, arms and elbows out of window.**

### GENERAL WARNINGS



#### WARNING

**If when turning the key to MAR the warning light  does not turn on or if it stays on when travelling (together with the message on the multifunction display, where provided) there could be a failure in safety systems; in this event air bags or pretensioners could not trigger in case of impact or, in a minor number of cases, they could trigger accidentally. Contact Fiat Dealership immediately to have the system checked.**



#### WARNING

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

**WARNING**

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

**WARNING**

Always keep your hands on the steering wheel rim when driving, so that if the air bag is triggered, it can inflate without meeting any obstacles which could cause serious harm to you. Do not drive with the body bent forwards, keep the seat back rest in the erect position and lean your back well against it.

**WARNING**

Remember that with the key engaged and at MAR, even if the engine is not running, the air bags may be triggered on a stationary vehicle if it is bumped by another moving vehicle. Therefore, never seat children on the front seat even when the vehicle is stationary. On the other hand remember that if the key is at STOP, no safety system (air bags or pretensioners) is triggered in the event of an impact; in this case, failure to come into action cannot be considered as a sign that the system is not working properly.

**WARNING**

If the vehicle has been stolen or an attempt to steal it has been made, if it has been subjected to vandals or floods, have the air bag system checked by Fiat Dealership.

**WARNING**

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

**WARNING**

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

**WARNING**

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

**WARNING**

The front air bag is triggered for shocks greater in magnitude than the pretensioners. For impacts between these two thresholds, it is therefore normal that only the pretensioners are triggered.

**WARNING**

The air bag does not substitute the seat belts, but only increases their effectiveness. Moreover, since the front air bags do not come into operation in the event of front impact at low speed, side collisions, bumps from behind or overturning, in these circumstances the occupants would only be protected by the seat belts which must therefore always be fastened.

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## ENGINE STARTING

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”.



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



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



### WARNING

**Running the engine in confined areas is extremely dangerous. The engine consumes oxygen and produces carbon monoxide which is a highly toxic and lethal gas.**



### WARNING

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

## STARTING PROCEDURE

Proceed as follows:

- engage the handbrake;
- put the gear lever into neutral;
- turn the ignition key to **MAR**: the warning lights  and  on the instrument panel will turn on;
- wait for the warning lights  and  to turn off. The hotter the engine is, the quicker this will happen;
- press the clutch pedal down to the floor without pressing the accelerator;
- turn the ignition key to **AVV** as soon as warning light  turns off. If you wait too long you will lose the benefit of 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.

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

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

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

 **The warning light  will flash for 60 seconds at start-up or during prolonged cranking to indicate a fault in the glow plug heating system. You can use the vehicle as usual if the engine starts but you should 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 revs. Do not accelerate abruptly;
- do not drive at full performance for the initial kilometres. Wait until the coolant temperature gauge starts moving.



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



**Never bump start the engine by pushing, towing or coasting downhill as this could cause fuel to flow into the catalytic exhaust system and damage it beyond repair.**

## STOPPING THE ENGINE

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

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



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

## PARKING THE 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.

Block the wheels with a wedge or a stone if the vehicle is parked on a steep slope. Do not leave the key in the ignition switch to prevent draining the battery. Always remove the key when you leave the vehicle.



### WARNING

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

### HANDBRAKE fig. 1

The handbrake lever is located on the left-hand side of the driver's seat.

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

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

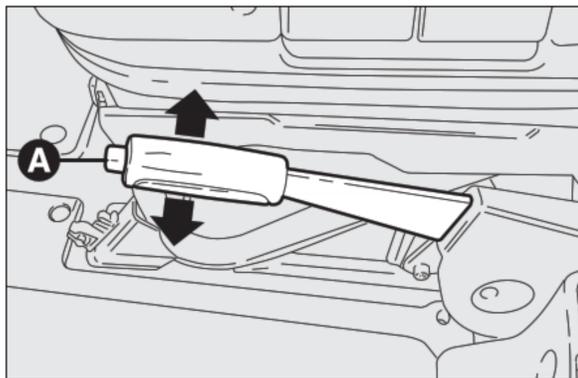


fig. 1

F0N0073m

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

To release the handbrake:

- slightly lift the handbrake and press the release button **A**;
- keep button **A** pressed and lower the lever. Warning light (Ⓢ) will turn off.

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

**IMPORTANT** Pull the handbrake only when the vehicle is stationary or, with vehicle running only if the hydraulic system is failing. Should it be necessary to use the handbrake with the vehicle running, pull it slowly to prevent rear axle locking and vehicle side skid as a consequence.

## USING THE MANUAL GEARBOX

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

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

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

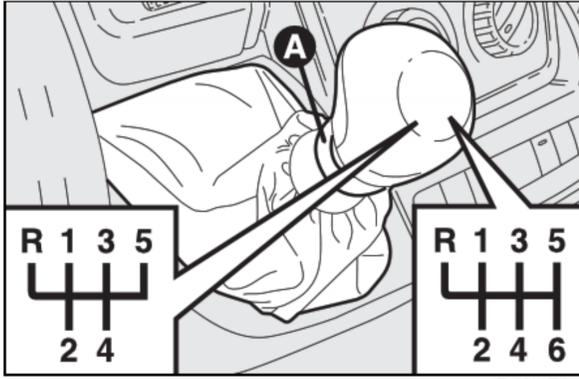


fig. 2

F0N0074m

To engage reverse **R** from neutral, proceed as follows: raise the sliding ring **A** under the knob and at the same time move the gearshift lever leftwards and then forward.



### WARNING

To change gears properly you must push the clutch pedal fully down. It is therefore essential that there is nothing under the pedals: make sure the mats are lying flat and do not get in the way of the pedals.



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

## LOAD RECOMMENDATIONS

The version of the Fiat Ducato you are driving has been designed and approved on the basis of several set maximum weights (see the tables "Weights" in section "Technical specifications"): kerb weight; payload; total weight; total weight on the front axle; total weight on the rear axle; towable weight



### WARNING

Each of these limits must be borne in mind and **MUST NEVER BE EXCEEDED** under any circumstances. In particular, never exceed the maximum weight permitted on the front and rear axles when arranging loads in vehicle (especially for special version vehicles).

**IMPORTANT** Max. admitted load on floor fixings is 500 kg; max. admitted load on body side is 150 kg.



### WARNING

Chance knocks or sudden braking can cause sudden shifts of the load which could jeopardise the safety of the driver and the passengers: before you start off make sure the load is firmly secured by using the hooks built into the floor for that purpose. Use metal cables, ropes or straps strong enough to support the weight of the load to be fixed.



### WARNING

Even if the vehicle is stationary on a steep hill or sideways incline, goods not properly secured could fall out when the back or side doors are opened.

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### WARNING

Observe the enforced rules if you need to carry a spare can of petrol. Only use a homologated can and secure it to the load anchoring eyebolts. Even given these precautions, the risk of fire in the event of an accident is increased.

In addition to these general precautions, some simple measures could enhance driving safety, comfort and the length of the vehicle's life:

- distribute the load evenly over the load floor: if you need to concentrate it all in one point choose the part between the axles;
- remember that the lower the load is, the lower the vehicle's centre of gravity will be, contributing to a safe drive; you should therefore always position the heavier goods at the bottom;
- finally, remember that the way in which the vehicle moves is influenced by the weight being carried. In particular, stopping distance lengthens particularly 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

Carry out the checks and adjustments/regulations specified in the "Service Schedule".

#### Tyres

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

#### Unnecessary loads

Do not travel with too much luggage stowed in the boot. The weight of the vehicle (especially when driving in town) and its trim greatly affects consumption and stability.

#### Roof rack/ski rack

Remove the roof rack or the ski rack from the roof as soon as they are no longer used. These accessories lower air penetration and adversely affect consumption levels. When needing to carry particularly voluminous objects, preferably use a trailer.

#### Electric devices

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

#### Climate control

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

#### Spoilers

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

## DRIVING STYLE

### Starting

Do not warm the engine when the vehicle is stationary or at high or low speed: in this way the engine will warm up gradually increasing consumption and emissions. You should drive off slowly straight away avoiding high revs so that the engine will warm up more quickly.

### Unnecessary actions

Avoid accelerating when waiting at traffic lights or before switching off the engine. This and also double declutching is absolutely pointless on modern vehicles and also increase consumption and pollution.

### Gear selection

As soon as the conditions of the traffic and road allow, use a higher gear. Using a low gear to obtain brilliant performance increases consumption.

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

### Top speed

Fuel consumption considerably increases with speed. Avoid superfluous braking and accelerating, which cost in terms of both fuel and emissions.

## Acceleration

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

## CONDITIONS OF USE

### Cold starting

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

### Traffic and road conditions

Rather high consumption levels are tied to situations with heavy traffic, for example in queues with frequent use of the lower gears or in cities with many traffic lights. Also winding mountain roads and rough road surfaces adversely affect consumption.

### Traffic hold-ups

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

## TOWING TRAILERS

### IMPORTANT NOTES

For towing caravans or trailers the vehicle must be fitted with a certified tow hook and an adequate electric system. Installation should be carried out by specialised personnel who release a special document for circulation on the road.

Install any specific and/or additional rear-view mirrors as specified by law.

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

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

The weight the trailer exerts on the vehicle tow hook reduces by the same amount the actual vehicle loading capacity. To make sure the maximum towable weight is not exceeded (given in the log book) account should be taken of the fully laden trailer, including accessories and personal belongings.

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Do not exceed the speed limits of the country you are driving in. In any case do not exceed 100 km/h.

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



**WARNING**

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



**WARNING**

*Under no circumstances should the vehicle brake system be altered to control the trailer brake. The trailer braking system must be fully independent of the vehicle's hydraulic system.*

**INSTALLING THE TOW HOOK**

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

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

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

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

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

An electric brake should be supplied directly by the battery through a cable with a cross section of no less than 2,5 mm<sup>2</sup>.

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

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 15W.

For connections use the preset control unit with battery cable no less than 2,5 mm<sup>2</sup>.

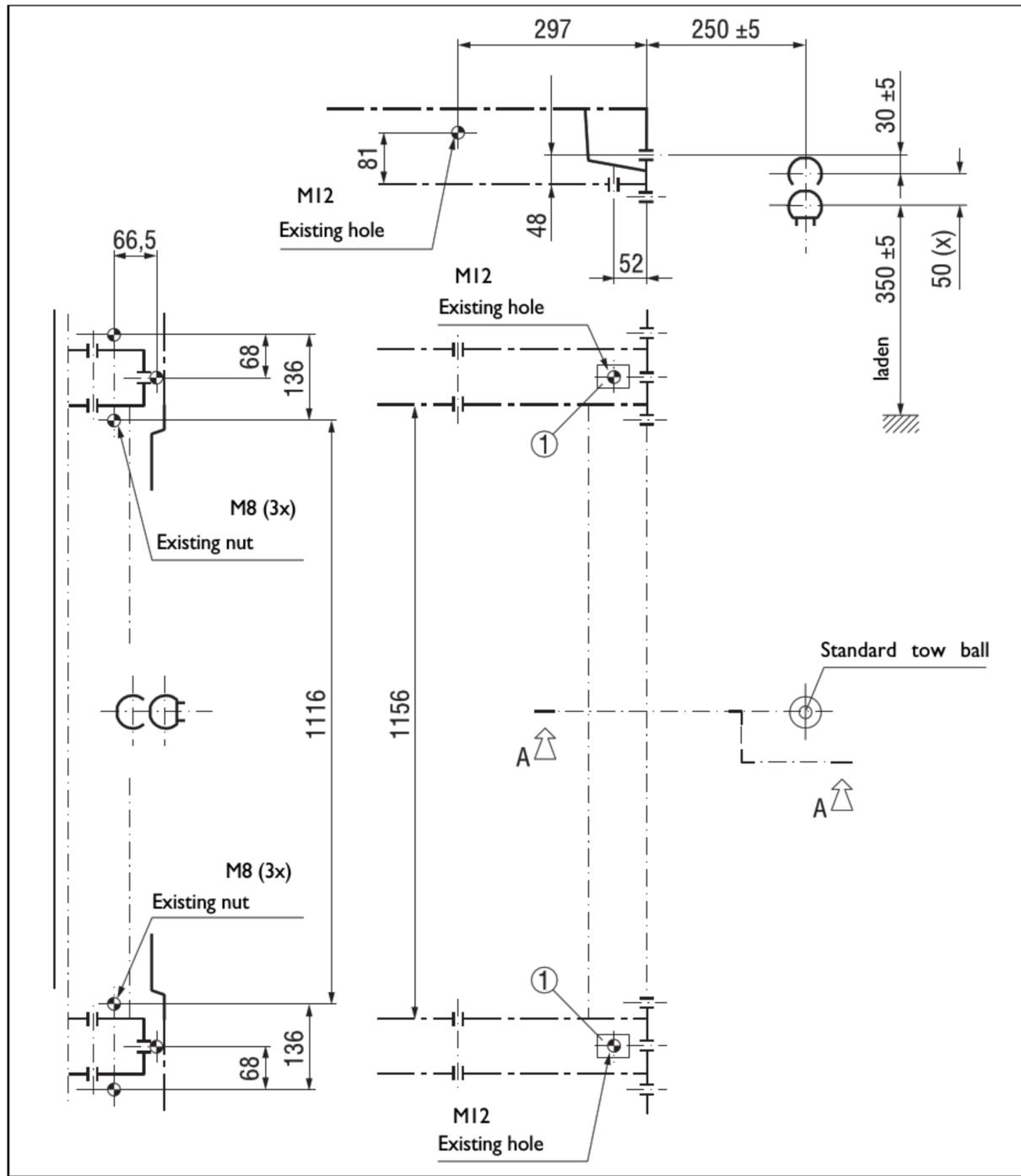


fig. 3

F0N0189m

### Assembly diagram - Van versions fig. 3

The tow hook structure must be fastened in the points shown by the symbol  using a total of 6 M8 screws and 4 M12 screws.

The internal counterplates are to be at least 5 mm thick.

MAX LOAD ON BALL 120 kg.



#### WARNING

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

To install the tow hook, shear the bumper according to the values shown in fig. 3a.

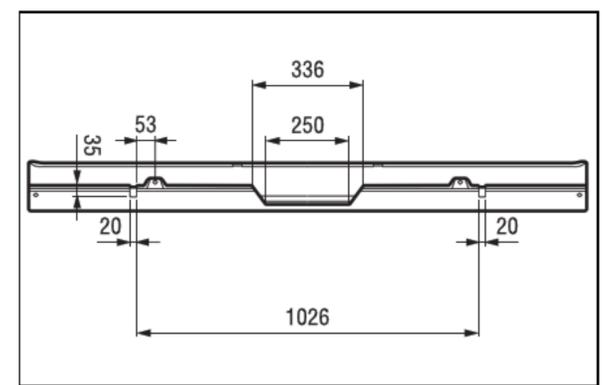


fig. 3a

F0N0192m

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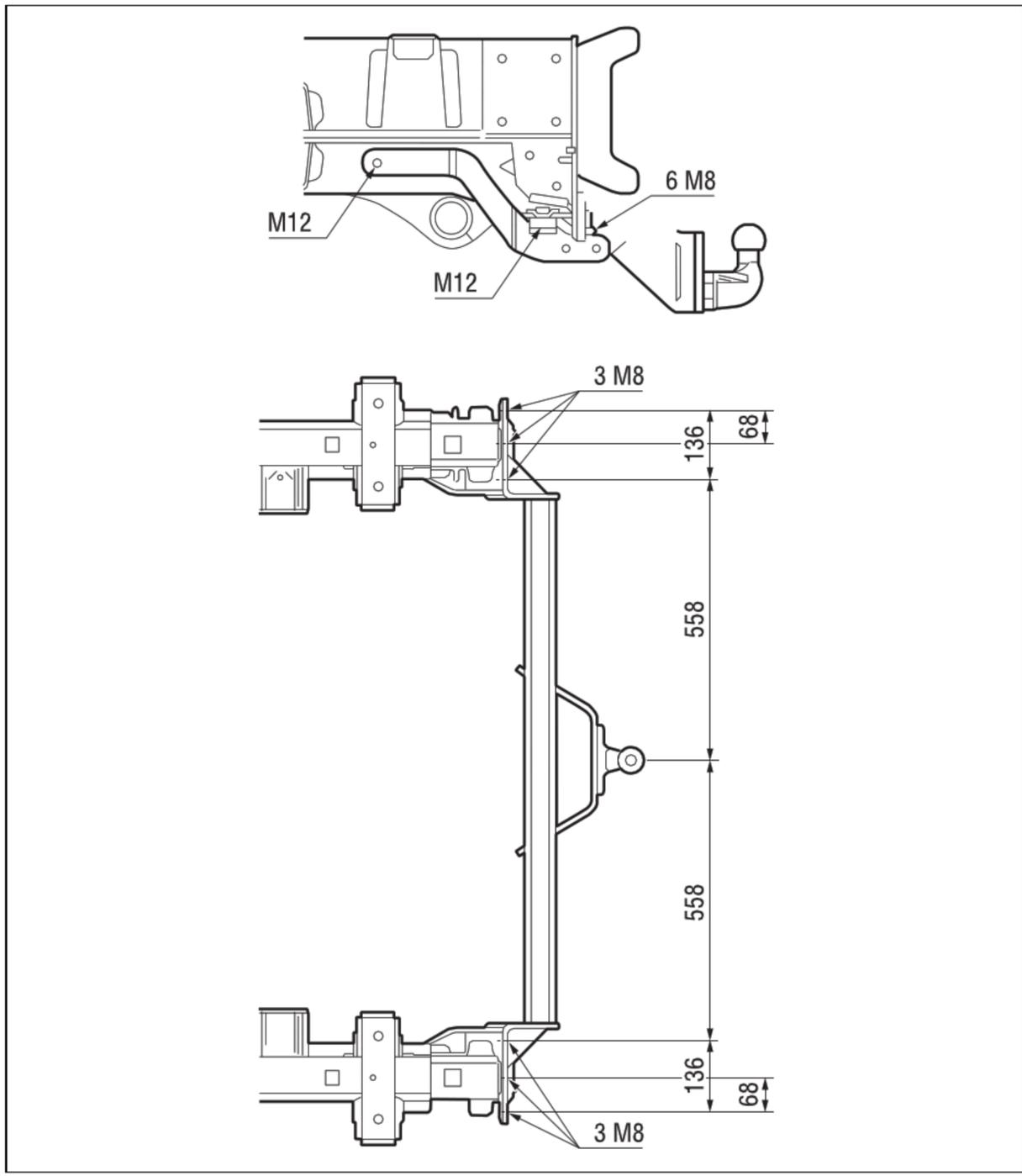
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**Assembly diagram - Truck and Chassis Cab versions - fig. 4**

A specific tow hook for Truck and Chassis Cab versions is shown in **fig. 4**. Structure  must be fastened in the points shown by a total of 6 M8 and 4 M12 screws.

MAX LOAD ON BALL 120 kg.

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

fig. 4

F0N0195m

## SNOW TYRES

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

The winter features of these tyres are reduced considerably when the tread depth is below 4 mm. In this case, they should be replaced.

Due to the snow tyre features, under normal conditions of use or on long motorway journeys, the performance of these tyres is lower than that of normal tyres. It is therefore necessary to limit their use to the purposes for which they are certified.

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

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

Remember that it is inappropriate to change the direction of rotation 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 Road Traffic Code speed limits must however be always strictly observed.*

## SNOW CHAINS

Use of snow chains should be in compliance with local regulations.

Snow chains should only be applied to the driving wheels (front wheels). We recommend using Lineaccessori Fiat snow chains.

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

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

**IMPORTANT** Use snow chains with reduced size.

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**WARNING**

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

**VEHICLE INACTIVITY**

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

- park the vehicle in covered, dry and if possible well-ventilated premises;
- engage a gear;
- make sure the handbrake is not engaged;
- disconnect the battery negative terminal and check the battery charge. This check is to be repeated every three months. Recharge if the optical indicator shows a dark colour without the central green area (see “Recharging the battery” in section “In an emergency”);
- clean and protect the painted parts using protective wax;
- clean and protect the shiny metal parts using special compounds readily available;
- sprinkle talcum powder on the rubber windscreen and rear window wiper blades and lift them off the glass;
- slightly open the windows;
- cover the vehicle with a cloth or perforated plastic sheet. Do not use sheets of non-perforated plastic as they do not allow moisture on the vehicle body to evaporate;
- inflate tyres to + 0,5 bar above the normal specified pressure and check it at intervals;
- if you don't disconnect the battery from the electric system, check its charge every month and recharge it if the optical indicator shows a dark colour without the central green area;
- do not drain the engine cooling system.

**IMPORTANT** Where relevant, switch off the vehicle alarm with the remote control.

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## WARNING LIGHTS AND MESSAGES

### GENERAL WARNINGS

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

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

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

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

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

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



**LOW BRAKE FLUID LEVEL (red)**

**HANDBRAKE ON (red)**

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

#### Low brake fluid level

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

On certain versions the dedicated message is displayed.

#### Handbrake on

The warning light turns on when the handbrake is on.

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.



#### WARNING

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



### **AIR BAG FAILURE** (red)

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

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

On certain versions the dedicated message is displayed.



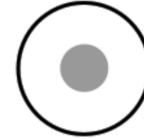
### **WARNING**

*If when turning the ignition key to **MAR**, the warning light  does not turn on or stays on when travelling there could be a failure in safety systems; in this event air bags or pretensioners could not trigger in case of impact or, in a minor number of cases, they could trigger accidentally. Contact Fiat Dealership immediately to have the system checked.*



### **WARNING**

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



### **HIGH TEMPERATURE ENGINE COOLANT FLUID** (red)

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

The warning light turns on when the engine is overheated.

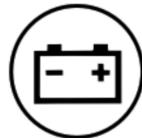
If the warning light comes on, proceed as follows:

- normal driving conditions:** stop the vehicle, switch off the engine and check whether the water level in the reservoir is not below the MIN mark. Otherwise wait for few seconds to allow the engine cooling, then open slowly and carefully the cap, top up coolant and check whether its level is falling between MIN and MAX marks in the reservoir. Check visually any leak. If, when restarting, the warning light comes on again, contact a Fiat Dealership.

- **heavy duty** (e.g.: towing trailer uphill of fully laden vehicle): decrease speed, if the warning light stays on, stop the vehicle. Wait for 2 or 3 minutes leaving the engine on and slightly accelerated to further activate the circulation of the coolant fluid, then switch the engine off. Check proper coolant level as described previously.

**IMPORTANT** Under severe use of the vehicle, keep the engine on and slightly accelerated for few minutes before switching it off.

On certain versions the dedicated message is displayed.



### LOW BATTERY CHARGE (red)

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

If the warning light stays on glowing steadily or flashing: contact immediately Fiat Dealership.



### LOW ENGINE OIL PRESSURE (red)

### EXHAUSTED OIL (red) (where provided)

#### Low engine oil pressure

Turning the ignition key to **MAR** the warning light turns on, but it should go out as soon as the engine is started.

On certain versions the dedicated message is displayed.



#### WARNING

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

#### Exhausted oil

The warning light with turn on flashing together with the message on the display (where provided) when the system detects that the engine oil is exhausted.

After the first indication, at each engine starting the warning light  will go on flashing for about 60 seconds and then every 2 hours until oil is changed.



#### WARNING

*If warning light  flashes, contact Fiat Dealership immediately to have oil changed and instrument panel warning light turned off.*



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

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

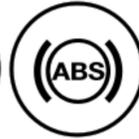
On certain versions the display shows a dedicated message when the front left/right door or rear doors/load compartment are open.

A buzzer will sound when one of the doors is open and the vehicle is moving.



**SEAT BELTS NOT  
FASTENED (red)**

The warning light on the instrument panel turns on glowing steadily with the vehicle stationary and driver's seat belt not fastened correctly. The warning light will turn on flashing together with the buzzer when, with the vehicle moving, driver's seat belt is not fastened correctly. The S.B.R. (Seat Belt Reminder) buzzer can only be excluded by Fiat Dealership. On certain versions the system can be reactivated through the set-up menu.



**INEFFICIENT  
EBD  
ELECTRONIC  
BRAKING  
DISTRIBUTOR  
(red) (amber)**

The turning on at the same time of warning lights (ⓘ) and (ABS) with the engine running indicates an EBD system failure or that the system is unavailable; in this case heavy braking may cause the rear wheels to lock before time, with the possibility of skidding. Drive with the utmost care to the nearest Fiat Dealership to have the system checked.

On certain versions the dedicated message is displayed.



### INJECTION SYSTEM FAILURE (amber)

Under normal conditions, turning the ignition key to **MAR**, the warning light turns on but it should go off after engine starting.

If the warning light stays on or turns on when travelling, means a fault in the supply/ignition system which could cause high emissions at the exhaust, possible lack of performance, poor handling and high consumption levels.

On certain versions the dedicated message is displayed.

In these conditions it is possible to continue driving without however requiring heavy effort or high speed from the engine. In any case, contact Fiat Dealership as soon as possible.



### FRONT PASSENGER'S AIR BAG DEACTIVATED (amber) (where provided)

Warning light  comes on when front passenger's air bag is deactivated.

With front passenger's air bag on, turning the ignition key to **MAR**, warning light  comes on steadily for about 4 seconds, it flashes for other 4 seconds and then it shall go off.



#### WARNING

*Warning light  indicates also warning light  failures. This is indicated by intermittent flashing, over 4 seconds, of warning light . In this event warning light  indicates that there could be a failure in safety systems. Contact Fiat Dealership immediately to have the system checked.*

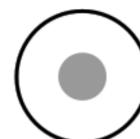


### INEFFICIENT ABS SYSTEM (amber)

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

The warning light turns on when the system is inefficient or unavailable. In this case the braking system keeps its effectiveness unchanged, but without the potential offered by the ABS system. Caution is advisable and it is necessary to contact Fiat Dealership.

On certain versions the dedicated message is displayed.



### FUEL RESERVE (amber)

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

The warning light turns on when about 10/12 litres fuel (according to versions) are left in the tank.

**IMPORTANT** The warning light flashes to indicate a failure, contact Fiat Dealership as soon as possible to have the system checked.



**GLOW PLUG WARMING**  
(Multijet versions - amber)

**GLOW PLUG WARMING FAILURE**  
(Multijet versions - amber)

**Glow plug warming**

Turning the ignition key to **MAR**, the warning light turns on and it will turn off when glow plugs reach the preset temperature. Start the engine immediately after warning light switching off.

**IMPORTANT** With hot ambient temperature, warning light stays on for very short time.

**Glow plug warming failure**

The warning light turns on when there is a failure in the glow plug warming system. Contact Fiat Dealership as soon as possible.

On certain versions the dedicated message is displayed.



**WATER IN DIESEL FUEL FILTER**  
(Multijet versions - amber)

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

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

On certain versions the dedicated message is displayed.



**The presence of water in the fuel circuit may cause serious damage to the entire injection system and cause irregular engine operation. If the warning light  turns on (on certain versions together with the message on the display) contact Fiat Dealership as soon as possible to have the system relieved. If the above indications come on immediately after refuelling, water has probably been poured into the tank: turn the engine off immediately and contact Fiat Dealership.**



**VEHICLE PROTECTION SYSTEM FAILURE - FIAT CODE**  
(amber)

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

The warning light turned on glowing steadily with key at **MAR**, indicates:

- possible failure (see "Fiat Code system" in section "Dashboard and controls");
- possible attempt to break-in with alarm on; in this case the warning light will turn off after about 10 seconds.

If with the engine running the warning light  flashes, this means that the vehicle is not protected by the engine inhibitor device (see "Fiat Code system" in section "Dashboard and controls").

Contact Fiat Dealership to have all the key memorised.



### EXTERNAL LIGHT FAILURE (amber)

The warning light turns on when one of the following lights is failing:

- sidelights
- brake lights
- rear fog guards
- direction indicators.

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

On certain versions the dedicated message is displayed.



### REAR FOG LIGHTS (amber)

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



### GENERIC FAILURE INDICATION (amber)

The warning light turns on in the following circumstances.

#### Engine oil pressure sensor failure

The warning light comes on when the engine oil pressure sensor is faulty. Contact Fiat Dealership as soon as possible.

#### Inertial fuel cut-off switch intervened

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

The display will show the dedicated message.

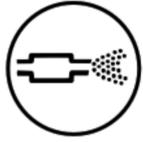
#### Rain sensor failure (versions with multifunction display)

The warning light on the dial turns on when the rain sensor is faulty. Contact Fiat Dealership.

The display will show the dedicated message.

#### Parking sensor failure (versions with multifunction display)

See what described for warning light P<sup>▲</sup>.



### **DIESEL PARTICULATE FILTER CLOGGED**

The warning light turns on when the diesel particulate filter is clogged and the driving conditions do not enable to activate automatically the reclaiming procedure.

To enable the cleaning procedure, keep the vehicle running until the warning light turns off.

The display will show the dedicated message.



### **ESP - ASR SYSTEM FAILURE (amber) (where provided)**

### **HILL HOLDER FAILURE (amber) (where provided)**

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

#### **ESP-ASR system failure**

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

On certain versions the dedicated message is displayed.

**Note** Warning light flashing when driving indicates that the ESP system is active.

#### **Hill Holder failure**

The warning light will turn on when the Hill Holder system is faulty. Contact Fiat Dealership as soon as possible.

On certain versions the dedicated message is displayed.



### **BRAKE PAD WEAR (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.



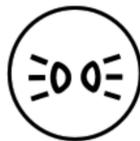
**PARKING SENSOR FAILURE**  
(where provided)  
(amber)

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

On certain versions warning light  turns on as an alternative.

Contact Fiat Dealership.

On certain versions the dedicated message is displayed.



**SIDE/TAILLIGHTS AND LOW BEAMS**  
(green)

**FOLLOW ME HOME**  
(green)

**Side/taillights and low beams**

The warning light turns on when side/taillights or low beams are turned on.

**Follow me home**

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

The display will show the dedicated message.



**FRONT FOG LIGHTS**  
(green)

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



**LEFT-HAND DIRECTION INDICATOR**  
(green - intermittent)

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



**RIGHT-HAND DIRECTION INDICATOR (green - intermittent)**

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



**CRUISE CONTROL (where provided) (green)**

Turning the ignition key to **MAR** the warning light will turn on but it should go off after a few seconds.

The instrument panel warning light turns on when turning the knurled ring of the Cruise Control to ON.

On certain versions the dedicated message is displayed.



**MAIN BEAMS (blue)**

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



**ASR SYSTEM (where provided) (amber)**

Turning the ignition key to **MAR**, the warning light turns on but it should go off after few seconds. The led on the ASR button turns on when the system is switched off. The warning light flashes when the ASR system cuts in to alert the driver that the system is adapting to the road surface grip conditions.

The turning on of the warning light together with the message on the display and the buzzer, also indicates a failure of the ASR system. In this case contact Fiat Dealership as soon as possible.

Messages are displayed when the ASR function is activated/deactivated manually (see "ASR system" in section "Dashboard and controls").

In versions fitted with ASR system only, at deactivation (ASR OFF) the warning light will always stay on.



**POWER STEERING FAILURE (red)**

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

If the warning light stays on together with the message on the display and the buzzer, you will not have steering assistance and the effort on the steering wheel will be increased, steering is however possible. Contact Fiat Dealership.

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### ENGINE COOLANT LEVEL (red) (where provided)

The warning light turns on when the coolant level in radiator falls below the min. level.



### SCHEDULED SERVICING (where provided)

This warning light turns on to indicate servicing and it will stay on glowing steadily until reaching the deadline. The warning light will turn off after carrying out servicing at Fiat Dealership or after 1000 km at servicing deadline.



### SELF-LEVELLING SUSPENSIONS FAILURE (where provided) (red)

Turning the ignition key to **MAR** the warning light shall turn on but it should turn off a few seconds later.

The warning light will turn on to indicate a failure at self-levelling suspension system.



### AUTOMATIC TRANSMISSION FAILURE/MAX. GEARBOX OIL TEMPERATURE (where provided) (red)

Turning the ignition key to **MAR**, the warning light shall turn on but it should turn off a few seconds later.

The warning light turns on flashing (together with the message on the display and the buzzer) when the gearbox is failing.

The warning light turns on glowing steadily (together with the message on the display and the buzzer) when the automatic transmission oil is too hot.

### POSSIBLE PRESENCE OF ICE ON THE ROAD (versions with multifunction display)

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.

### LIMITED RANGE (versions with multifunction display)

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

### SPEED LIMIT EXCEEDED

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

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## ENGINE STARTING

### EMERGENCY START-UP

If the instrument panel warning light  turns on glowing steadily, contact immediately Fiat Dealership.

### JUMP STARTING fig. 1-2

If the battery is flat, it is possible to start the engine using an auxiliary battery with the same capacity or a little higher than the flat one.

Contact Fiat Dealership to have the battery checked/replaced.

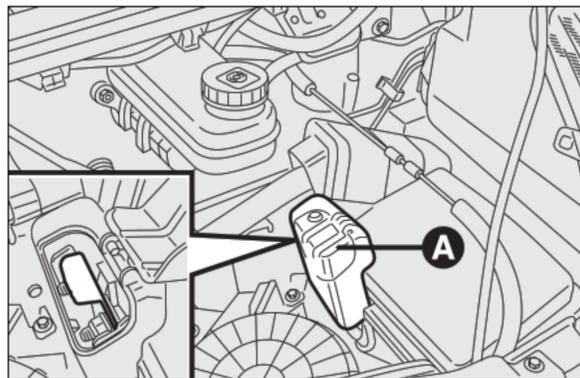


fig. 1

F0N0075m

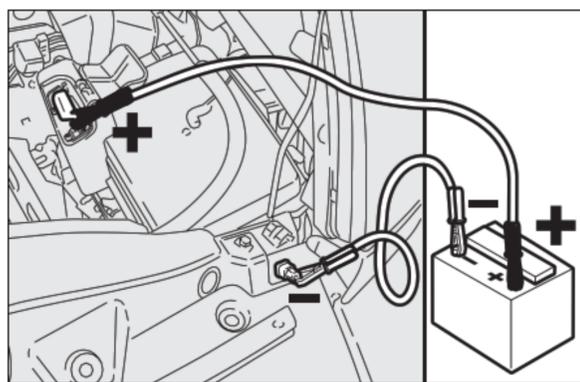


fig. 2

F0N0076m

Proceed as follows:

- lift the lid **A** to connect to the battery positive terminal **fig. 1**.
- connect positive terminals (+ near the terminal) of the two batteries with a jump lead;
- connect with a second cable the negative terminal (-) of the auxiliary battery to the ground point as shown in **fig. 2**;
- start the engine;
- when the engine has been started, remove the leads reversing the order above.

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



### WARNING

*The starting procedure must be carried out by qualified personnel because incorrect operations may cause electrical discharge of considerable intensity. The liquid contained in the battery is poisonous and corrosive. Avoid contact with the skin and eyes. Keep naked flames and lighted cigarettes away from the battery and do not cause sparks.*

**IMPORTANT** Do not directly connect the negative terminals of the two batteries: sparks could ignite the flammable gas from the battery. If the other battery is fitted in another vehicle, prevent accidental contacts between the metal parts of the two vehicles.

### **BUMP STARTING**

Never bump start the engine (by pushing, towing, or coasting downhill) as this could cause fuel to flow into the catalytic exhaust system and damage it beyond repair.

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

## **IF A TYRE IS PUNCTURED**

### **GENERAL INSTRUCTIONS**

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



#### **WARNING**

**Alert other drivers that the vehicle is stationary in compliance with the regulations in force: hazard warning lights, warning triangle etc. Any passengers on board should leave the vehicle, especially if it is heavily laden. Passengers should stay away from oncoming traffic while the wheel is being changed on. Pull the handbrake.**

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**WARNING**

*The spare wheel is specific to your vehicle, do not use it on other models, or use the spare wheel of other models on your vehicle. Wheel bolts are specific to your vehicle: do not use them on other models and do not use bolts of other models.*

**WARNING**

*Have the punctured wheel repaired and refitted as soon as possible. Do not grease the threads of bolts before installing them: they might slip out.*

**WARNING**

*The jack shall only be used for changing wheels on the vehicle with which it is provided or on vehicles of the same model. It must not be used for other purposes such as for instance raising vehicles of other models. In no case should it be used for repairs under the vehicle. Incorrect positioning of the jack may cause the jacked vehicle to fall. Do not use the jack for higher capacities than stated on its label.*

**WARNING**

*Fasten the wheel cap correctly to prevent the wheel from coming free in motion. Never tamper with the inflation valve. Never place tools between the rim and tyre. Check and restore, if required, the pressure of tyres and spare wheel to the values given in section "Technical Specifications".*

**Please note:**

- 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.

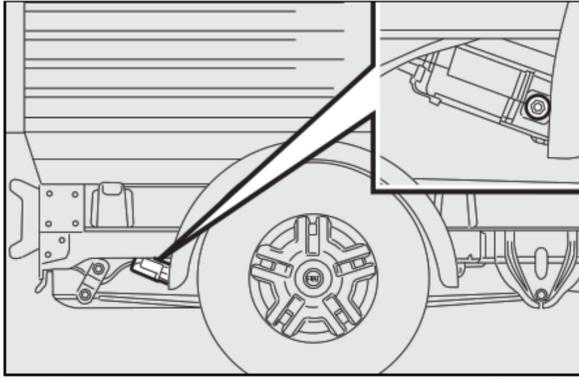


fig. 3

F0N0186m

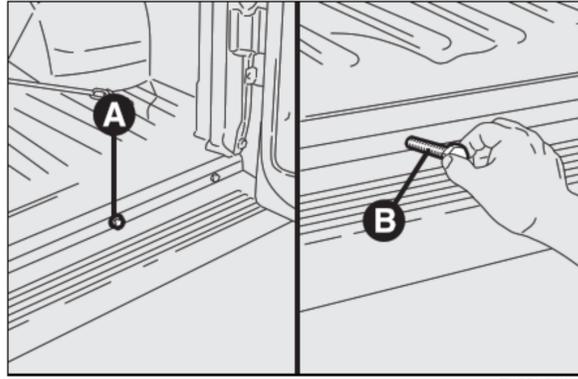


fig. 4

F0N0163m

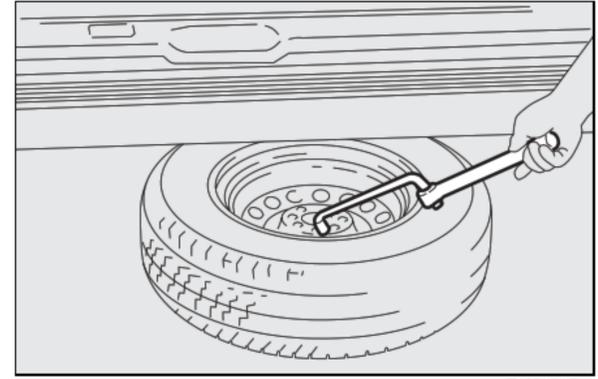


fig. 6

F0N0165m

### To change a wheel proceed as follows:

- stop the vehicle in a position that is not dangerous for oncoming traffic where you can change the wheel safely. The ground should be flat and adequately firm;
- 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;
- alert other drivers that the vehicle is stationary, using the proper devices in compliance with the regulations in force (e.g.: warning triangle, hazard warning lights, etc ...);
- take the extension and the wrench from the tool bag under the passenger's seat (see "Compartment under the front passenger's seat" in section "dashboard and controls");

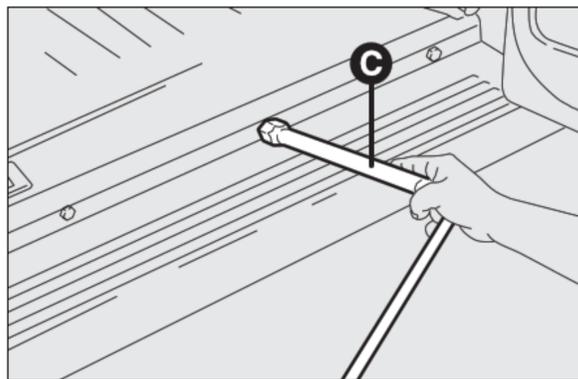


fig. 5

F0N0164m

- for chassis-cabs, from the rear right side of the vehicle **fig. 3** use the wrench to operate the wheel-restraining device screw,
- for vans, open 180° the load compartment door and remove the cap from the hole **A** to fit the extension **B** and the wrench **C**;
  - fit the extension **B** into the hole;

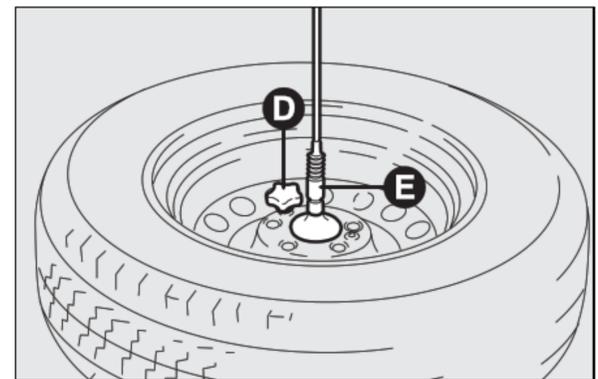


fig. 7

F0N0166m

- fit the wrench **C** and turn it counterclockwise to lower the spare wheel;
- use the wrench **C** to take the wheel out of the vehicle **fig. 6**;
- loosen the knob **D**, remove the support **E** and release the wheel.

- loosen one turn the bolts of the wheel to change;
- turn the ring nut to extend the jack partially;
- set the jack near the lifting support close to the wheel to change in the points shown in **fig. 7a**. For short wheelbase versions with retractable footboard, the jack shall be set in the point shown in **fig. 7b** and shall be suitably directed (45°) to avoid interference 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.

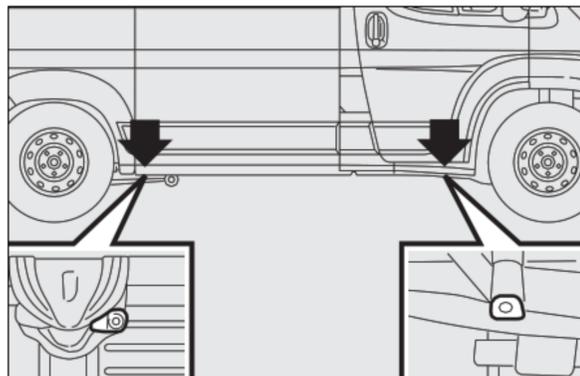


fig. 7a

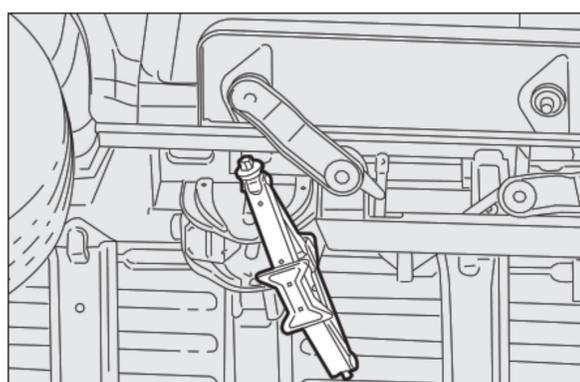


fig. 7b

The moving parts of the jack (screw and joints) may also cause injury if touched. Clean off any grease.

- loosen the bolts completely using the wrench **F-fig. 8** and remove the wheel;

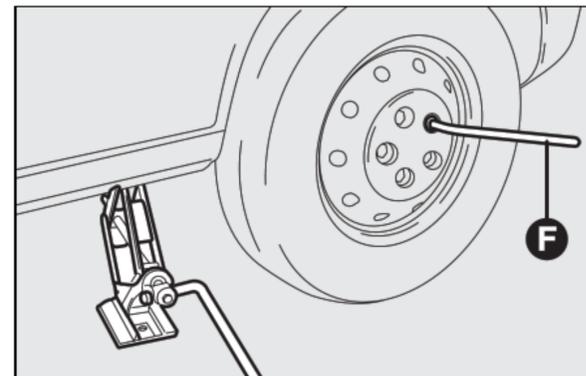


fig. 8

- fit the spare wheel making the holes **G-fig. 9** coincide with the respective pins **H**. Make sure the contact surfaces between spare wheel and hub are clean so that the fastening bolts will not come loose;
- tighten the 5 fastening bolts;
- operate the ratchet wrench to lower the vehicle and remove the jack.
- fasten bolts completely, working in a criss-cross fashion as shown in **fig. 9**.

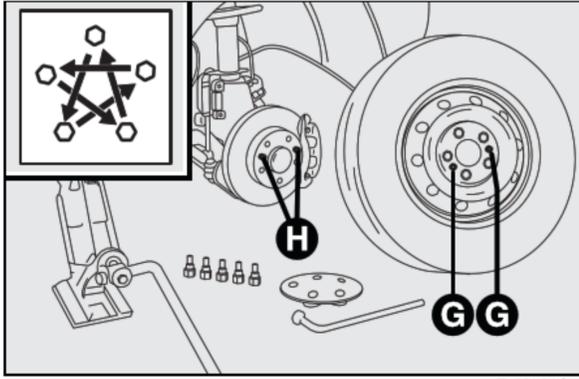


fig. 9

F0N0168m

When you have finished:

- take the flat tyre, hook it to support **E-fig. 7** and screw knob **D-fig. 7**;
- fit the wrench **C-fig. 5** to extension **B-fig. 4** and turn it clockwise to raise the spare wheel;
- check for proper arrangement in the space under the floor provided for the purpose (the lifting system is provided with a stop limit catch; incorrect positioning impair safety);
- remove the extension **B-fig. 4** and re-fit it together with the wrench **C-fig. 5** into the tool compartment;
- refit the tool compartment into the proper space under the passenger's seat.

## QUICK TYRE REPAIR KIT - FIX & GO automatic

The Fix & Go automatic kit includes:

- bottle **A** containing sealer and fitted with:
  - filling pipe **B**;
  - sticker **C** bearing the notice “max. 80 km/h”, to be placed in a position visible to the driver (on the instrument panel) after fixing the tyre;
- instruction brochure (see **fig. 11**), to be used for prompt and proper use of the quick repair kit and to be then handed to the personnel charged with handling the treated tyre;
- compressor **D-fig. 10** including gauge and connections;
- adapters for inflating different elements.

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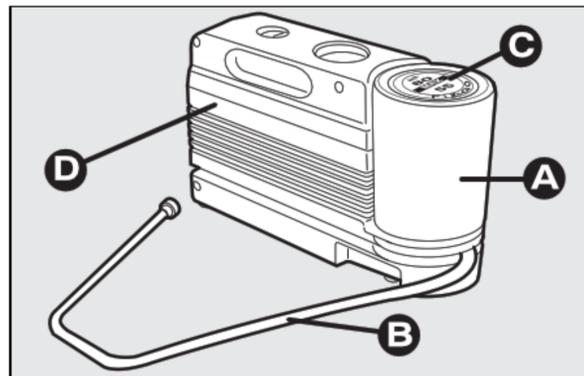


fig. 10

FON0177m



fig. 11

FON0178m

**WARNING**

Hand the instruction brochure to the personnel charged with treating the tyre repaired with the kit.



In the event of a puncture caused by foreign bodies, it is possible to repair tyres showing damages on the track or shoulder up to max 4 mm diameter.

**WARNING**

Holes and damages on the tyre side walls cannot be repaired. Do not use the quick tyre repair kit if damaging is due to running with flat tyre.

**WARNING**

Repairs are not possible in case of damages on the wheel rim (bad groove distortion causing air loss). Do not remove foreign bodies (screws or nails) from the tyre.

**IT SHOULD BE NOTICED THAT:**

The sealing fluid of the quick tyre repair kit is effective with external temperatures between  $-20\text{ }^{\circ}\text{C}$  and  $+50\text{ }^{\circ}\text{C}$ .

The sealing fluid has limited life.

**WARNING**

The compressor shall not be operated for more than 20 minutes. Risk of overheating!. Tyres repaired with the quick tyre repair kit shall be used temporarily only.

If the compressor stops due to excessive overheating, wait a few minutes to allow for compressor cooling, press the RESET button set aside the compressor, then re-activate the compressor.



### WARNING

The cylinder contains ethylene glycol. The cylinder contains latex: it can cause allergic reactions. It is harmful if ingested or inhaled and irritant for the eyes and in case of contact. In case of contact rinse immediately with water and take off contaminated clothes. If swallowed, do not induce vomit, rinse out the mouth, drink a lot of water and call the doctor immediately. Keep away from children. This product must not be used by asthmatics. Do not inhale vapours. Call the doctor immediately in case of allergic reactions. Keep the cylinder in the space provided for the purpose and far from heat. The sealing fluid has limited life.



Replace the cylinder if sealer has run out. Do not throw away the cylinder and the sealing fluid. Have the sealing fluid and the cylinder disposed of in compliance with national and local regulations.

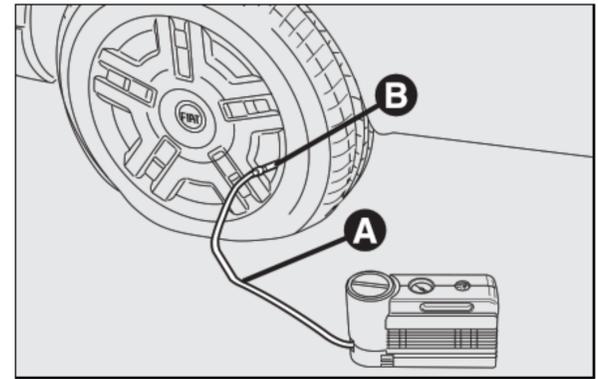


fig. 12

F0N0179m

### INFLATING PROCEDURE



### WARNING

Put on the protection gloves provided together with quick tyre repair kit.

- Pull up the handbrake.** Loosen tyre inflation valve cap, take out the filler hose **A**-fig. 12 and screw the ring nut **B** on the tyre valve;

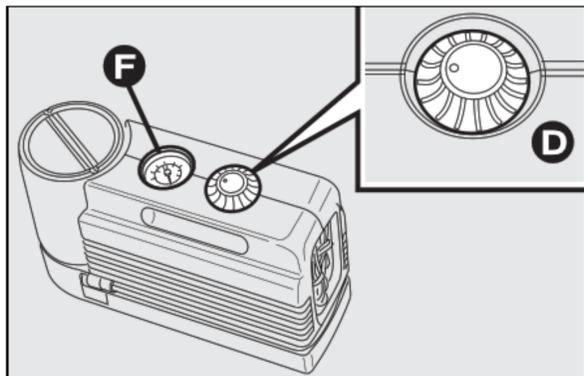


fig. 13

F0N0180m

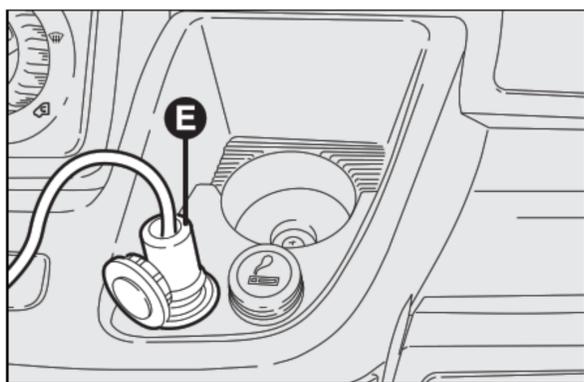


fig. 14

F0N0182m

- make sure the compressor switch **D**-fig. 13 is set to 0 (off), start the engine and fit plug **E**-fig. 14 into the nearest current outlet and then turn on the compressor by setting switch **D**-fig. 13 to I (on). Inflate tyre at 4 bar pressure.

Check tyre pressure on gauge **F**-fig. 13 with compressor off to obtain precise reading;

- if after 5 minutes it is still impossible to reach at least 3 bar, disengage compressor from valve and current outlet, then move the vehicle forth for approx. ten metres in order to distribute the sealing fluid inside the tyre evenly, then repeat the inflation operation;
- if after this operation it is still impossible after 10 minutes to reach at least 3 bar, do not start driving since the tyre is excessively damaged and the quick tyre repair kit cannot guarantee suitable sealing, contact Fiat Dealership;
- re-start immediately if the tyre has been inflated to 4 bar pressure;

**WARNING**

Apply the sticker in a visible position for the driver to indicate that the tyre has been treated with the quick tyre repair kit. Drive carefully especially when cornering. Do not exceed 80 km/h. Avoid heavy braking and accelerating.

- after driving for about 10 minutes stop and check again the tyre pressure; **pull up the handbrake**;

**WARNING**

If the pressure falls below 3 bars, do not drive any further: the quick tyre repair kit Fix & Go automatic cannot guarantee proper hold because the tyre is too much damaged. Contact Fiat Dealership.

- if at least 3 bar pressure is read, restore proper pressure specified in paragraph "Tyre pressure" in section "Technical Specifications" (with engine running and handbrake on) and restart;
- drive with the utmost care to the nearest Fiat Dealership.

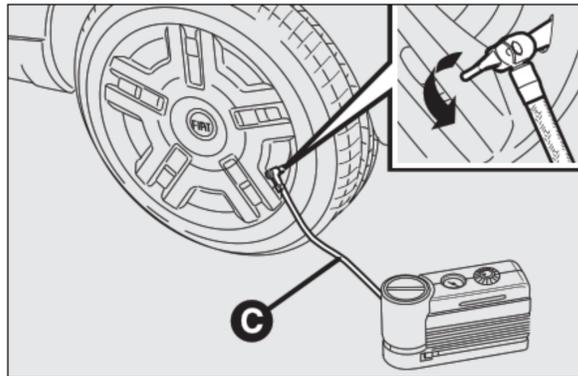


fig. 15

F0N0181m

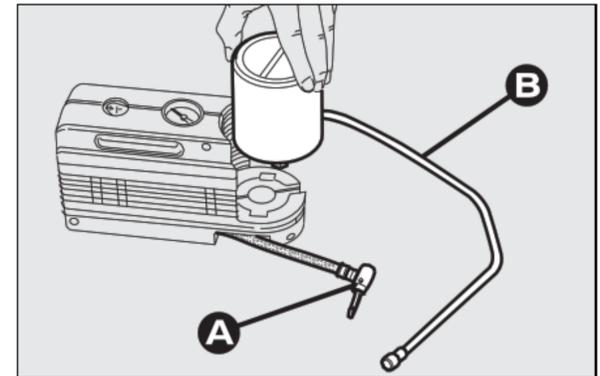


fig. 17

F0N0184m



#### WARNING

*It is of vital importance to communicate that the tyre has been repaired using the quick tyre repair kit. Hand the instruction brochure to the personnel charged with treating the tyre repaired with the kit.*



#### WARNING

*If you have installed on your vehicle tyres other than the standard ones and in any case other than 215/70 R15 CP 109 Q Camping and 225/75 R16 CP 116 Q Camping, to inflate tyre, raise the vehicle with the jack before operating the compressor (see paragraph "If a tyre is punctured" in this section).*

#### FOR CHECKING AND RESTORING PRESSURE ONLY

The compressor can be also used just for restoring pressure. Disconnect the quick connection **C** and connect it directly to the tyre valve **fig. 15**; in this way the cylinder is not connected to compressor and the sealing fluid will not flow into the tyre.

**NOTE** If the tyre shall be deflated, connect quick connection **C** to the tyre valve and press the yellow button set in the middle of the compressor switch.

#### CYLINDER REPLACEMENT PROCEDURE

To replace the cylinder proceed as follows:

- disconnect connection **A-fig. 17**;
- turn counter-clockwise the cylinder to replace and raise it;
- fit the new cylinder and turn it clockwise;
- fit connection **A** and connect tube **B** into its seat.

## WHEN NEEDING TO CHANGE A BULB

### GENERAL INSTRUCTIONS

- When a light is not working, check that the corresponding fuse is intact before changing a bulb. For the location of fuses, refer to the paragraph "If a fuse blows" in this section;
- Before changing a bulb check the contacts for oxidation;
- Burnt bulbs must be replaced by others of the same type and power;
- Always check the height of the headlight beam after changing a bulb.



**Halogen bulbs must be handled touching only the metallic part. If the transparent bulb is touched with the fingers, its lighting intensity is reduced and life of the bulb may be compromised. If touched accidentally, rub the bulb with a cloth moistened with alcohol and allow to dry.**



### WARNING

**Modifications or repairs to the electrical system (electronic control units) carried out incorrectly and without bearing the features of the system in mind can cause malfunctions with the risk of fire.**



### WARNING

**Halogen bulbs contain pressurised gas which, if broken, may cause small fragments of glass to be projected outwards.**

**IMPORTANT** The headlight inner surface may be lightly misted over: this is not a fault but a natural fact due to low temperature and the level of air humidity. It will disappear as soon the headlights are turned on. The presence of drops inside the headlights means water infiltration, therefore contact Fiat Dealership.

### TYPES OF BULBS

Various types of bulbs are fitted to your vehicle:

- A** Glass bulbs: clipped into position. Pull to remove.

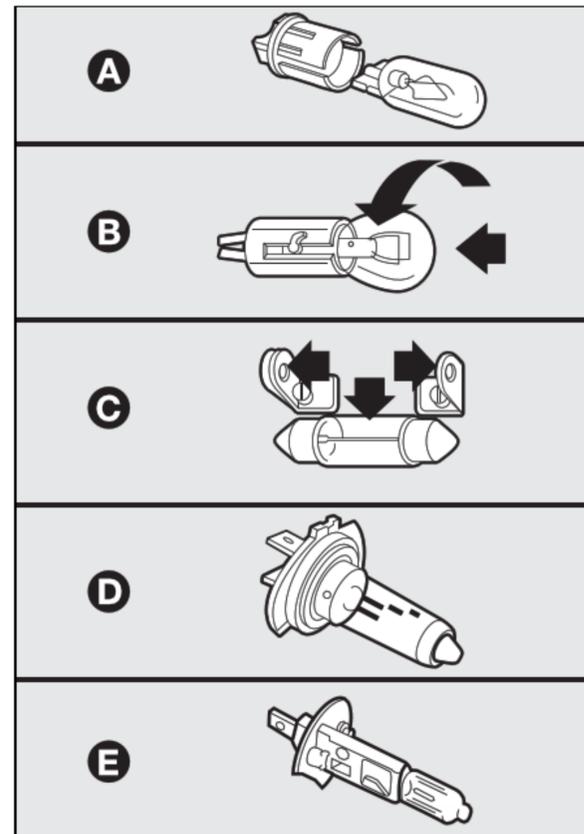


fig. 18

F0N0078m

- B** Bayonet type bulbs: to remove this type of bulb from its holder, press the bulb and turn it counter-clockwise.
- C** Tubular bulbs: release them from their contacts to remove.
- D-E** Halogen bulbs: to remove the bulb, release the clip holding the bulb in place.

<b>Bulbs</b>	<b>Ref. figure</b>	<b>Type</b>	<b>Power</b>
Main-beam headlights	D	H1	55W
Dipped beam headlights	D	H7	55W
Front sidelights	A	W5W	5W
Front fog lights (where provided)	–	H1	55W
Front direction indicators	B	PY21W	21W
Side direction indicators	A	W16WF	16W
Rear direction indicators	B	PY21W	21W
Taillights	B	P21/5W	5W
Brake lights	B	P21/5W	5W
Third brake light (additional brake light)	B	W5W	5W
Reversing light	–	P21W	21W
Rear fog lights	–	P21W	21W
Number plate light	A	C5W	5W
Front ceiling light with movable lens	C	12V10W	10W
Rear ceiling light	C	12V10W	10W

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## IF AN EXTERIOR LIGHT BURNS OUT

For the type of bulb and power rating, see “When needing to change a bulb”.

### FRONT LIGHT UNITS fig. 19

The front light units contain sidelights, dipped beam, main beam and direction indicator bulbs.

The bulbs are arranged inside the light unit as follows:

- A** direction indicators
- B** sidelights/dipped beams (double light)
- C** main beams

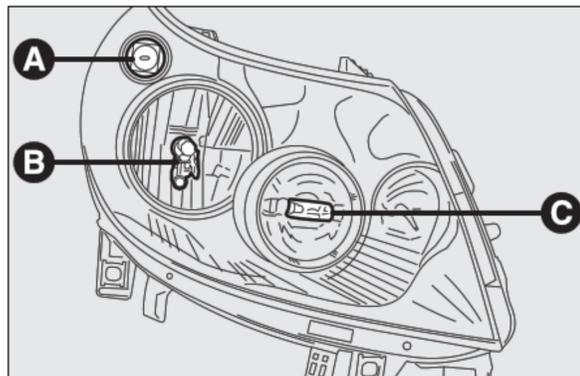


fig. 19

F0N0079m

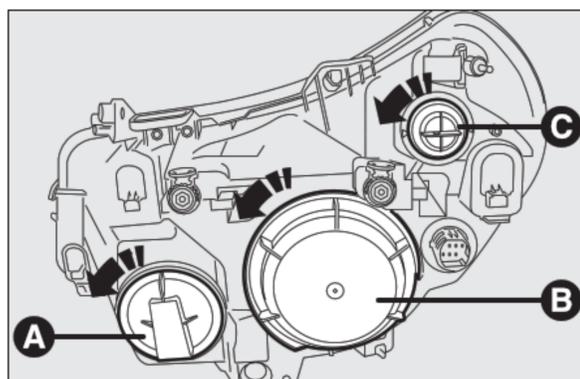


fig. 20

F0N0080m

To replace the main beam bulb, remove cap **A**-fig. 20.

To replace the dipped beams/sidelights bulb, remove cap **B**-fig. 20.

To replace the direction indicators bulb, remove the bulb holder **C**-fig. 20.

After replacing the bulb, refit caps and check for proper locking.

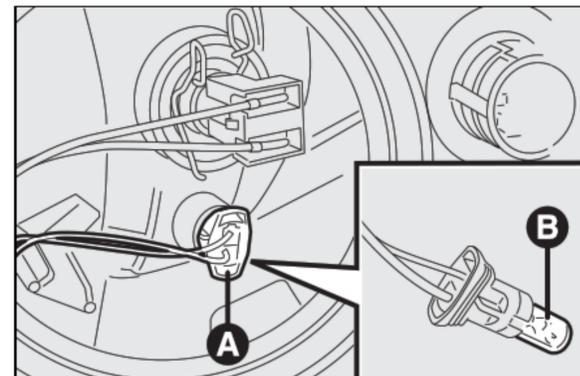


fig. 21

F0N0082m

### SIDELIGHTS fig. 21

To change the bulb, proceed as follows:

- remove the protection cover **B**-fig. 20 turning it counterclockwise;
- remove the snap-fitted bulb holder unit **A**; remove the bulb **B** and replace it;
- refit the snap-fitted bulb holder unit **A**;
- refit the protection cover **B**-fig. 20 turning it clockwise and check for proper locking.

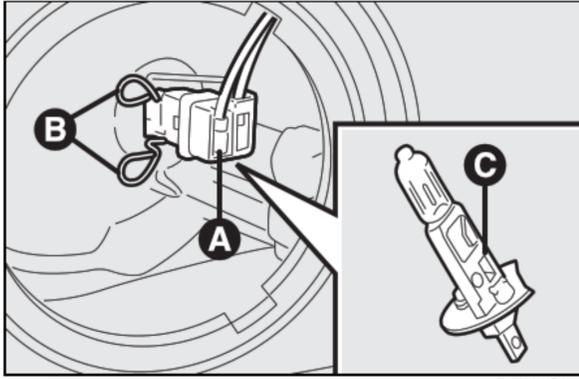


fig. 22

F0N0083m

### MAIN BEAM HEADLIGHTS

To change the bulb, proceed as follows:

- remove the protection cover **A-fig. 20** turning it counterclockwise;
- disconnect the electric connector **A-fig. 22**;
- release the bulb catch **B-fig. 22**;
- remove the bulb **C-fig. 22** and replace it;
- fit the new bulb, making the outlines of the metallic part coincide with the grooves on the reflector then, refit the bulb holder catch **A** and reconnect the electrical connector **B**;
- refit the protection cover **A-fig. 20** turning it clockwise and check for proper locking.

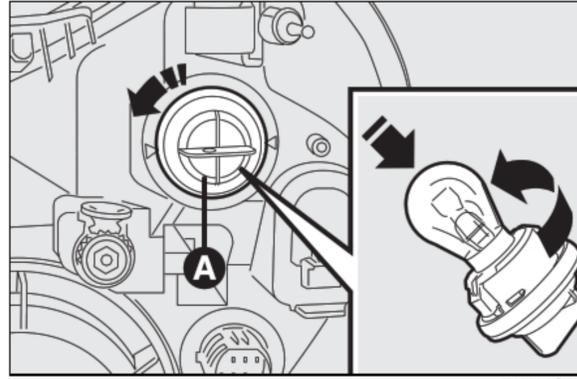


fig. 23

F0N0081m

### DIRECTION INDICATORS

To change the bulb, proceed as follows:

- turn the bulb holder **A-fig. 23** counterclockwise and remove it;
- remove the bulb pushing it gently and turning it counterclockwise (“bayonet”);
- replace the bulb;
- refit the bulb holder, by turning it clockwise and locking it properly.

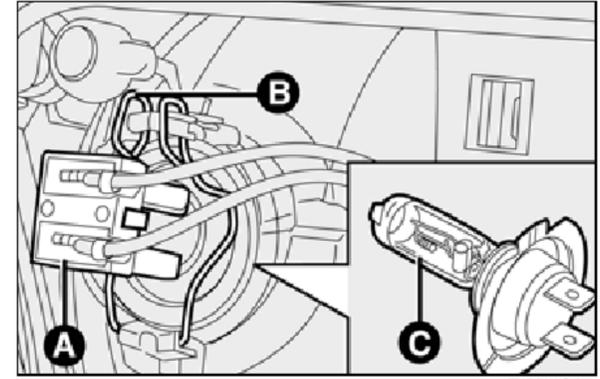


fig. 24

F0N0084m

### DIPPED BEAM HEADLIGHTS

#### With incandescent bulb

To change the bulb, proceed as follows:

- remove the protection cover **B-fig. 20** turning it counterclockwise;
- disconnect the electric connector **A-fig. 24**;
- release the bulb holder catch **B-fig. 24**;
- remove the bulb **C-fig. 24** and replace it;
- fit the new bulb, making the outlines of the metallic part coincide with the grooves on the reflector then, refit the bulb holder catch **B** and reconnect the electrical connector **A**;
- refit the protection cover turning it clockwise and check for proper locking.

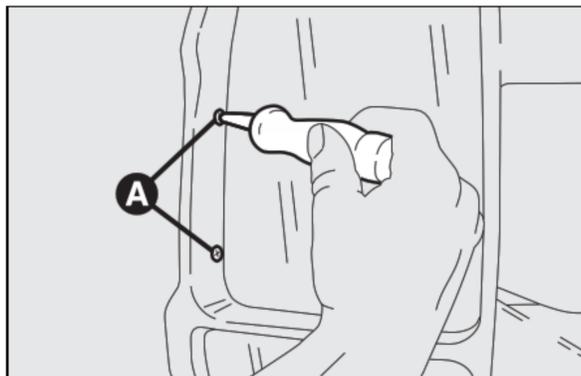


fig. 25

F0N0169m

**Side fig. 25 - 26**

To change the bulb, proceed as follows:

- move the mirror by hand to reach the two fastening screws **A**;

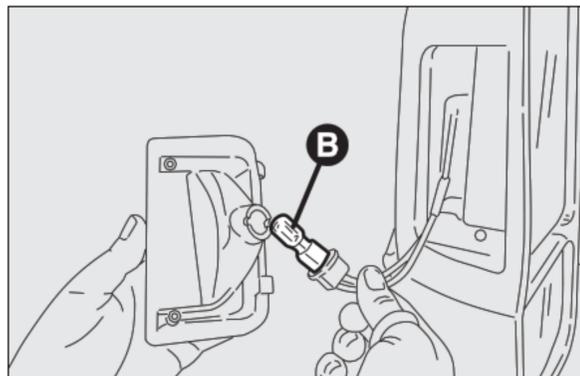


fig. 26

F0N0170m

- use the screwdriver provided to loosen the screws and remove the bulb holder unit releasing it from the catches;
- loosen the bulb turning it counter-clockwise and change it **B**.

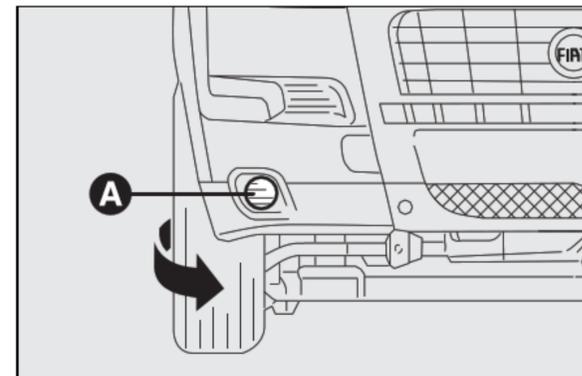


fig. 27

F0N0085m

**FRONT FOG LIGHTS  
(where provided)**

To change front fog lights **A-fig. 27** proceed as follows:

- turn the steering wheel fully leftwards;
- loosen the self-tapping screw and open the lid on the front wheel box
- remove the bayonet cap;
- disconnect the connector;
- release the bulb holder clip;
- remove the bulb and change it;
- fit the new bulb, making the outline of the metallic section coincide with the grooves on the headlight reflector, refit the bulb holder clip and reconnect the electric connector;
- refit the bayonet cap.

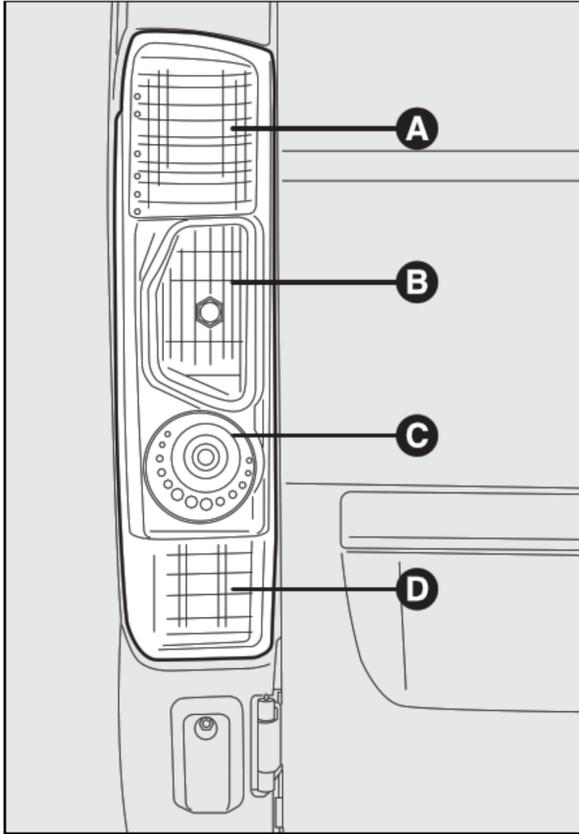


fig. 28

F0N0086m

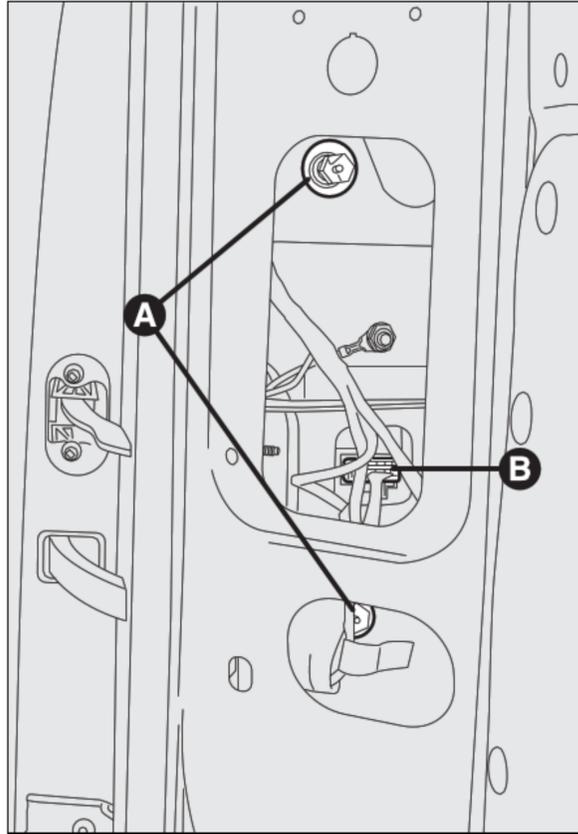


fig. 29

F0N0087m

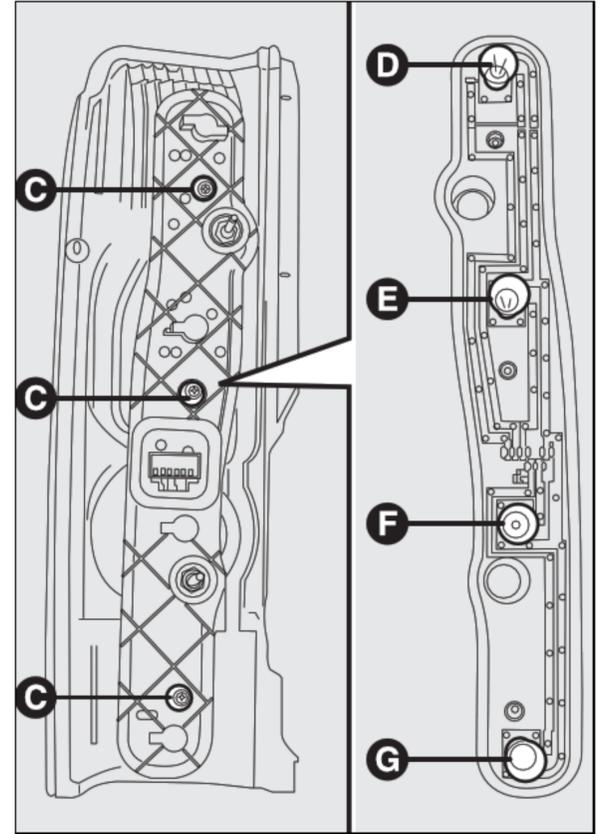


fig. 30

F0N0088m

## REAR LIGHT UNITS fig. 28-29-30

The bulbs are arranged inside the light unit as follows:

- A** brake lights/taillights
- B** direction indicators
- C** reversing lights
- D** rear fog lights.

To replace a bulb proceed as follows:

- open the rear swing door and loosen the two fastening screws **A**;
- disconnect the central electric connector **B** and pull the lens unit outwards;
- loosen the screws using the screwdriver provided **C** and remove the bulb holder;
- remove the bulb to replace **D, E, F** or **G** pushing it slightly and turning it counterclockwise ("bayonet" clamping) and replace it;
- refit the bulb holder and tighten the screws **C**;
- reconnect the electric connector **B**, suitably refit the unit to the vehicle body and then tighten the fastening screws **A**.

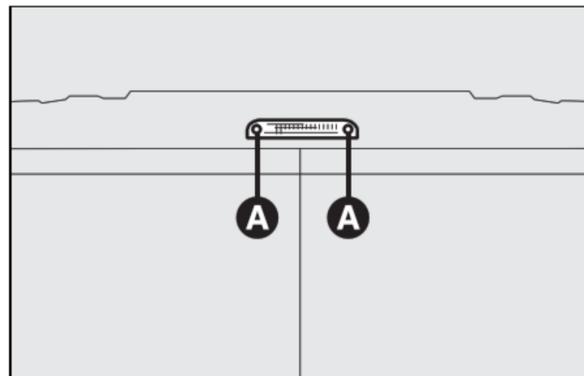


fig. 31

F0N0141m

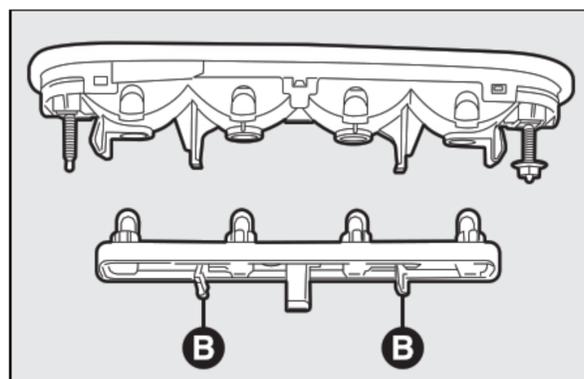


fig. 32

F0N0142m

### THIRD BRAKE LIGHT fig. 31-32

To change the bulb proceed as follows:

- loosen the two fastening screws **A**-fig. 31;
- remove the lens unit;
- press the tabs **B**-fig. 32 and remove the bulb holder;
- remove the snap-fitted bulb and replace it.

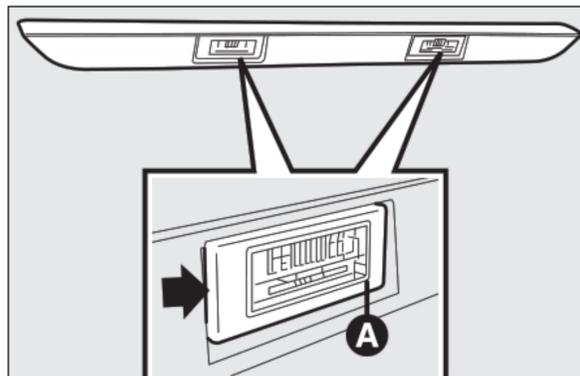


fig. 33

F0N0089m

### NUMBER PLATE LIGHT fig. 33

To change the bulb proceed as follows:

- work in the point shown by the arrow and remove the 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.

## IF AN INTERIOR LIGHT BURNS OUT

For the type of bulb and power rating, see “When needing to change a bulb”.

### FRONT CEILING LIGHT

To replace the bulbs proceed as follows:

- work in the points shown by the arrows and remove light **A**-fig. 34;
- open the protection lid **B**-fig. 35;
- replace bulbs **C**-fig. 35 releasing them from the side contacts; make sure that new bulbs are correctly clamped between contacts;
- re-close the lid **B**-fig. 35 and secure light **A**-fig. 34 into its housing locking it properly.

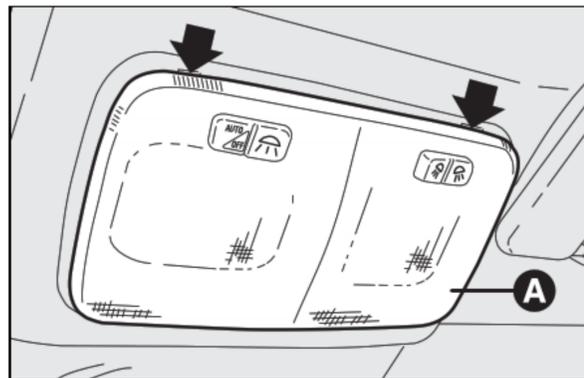


fig. 34

F0N0090m

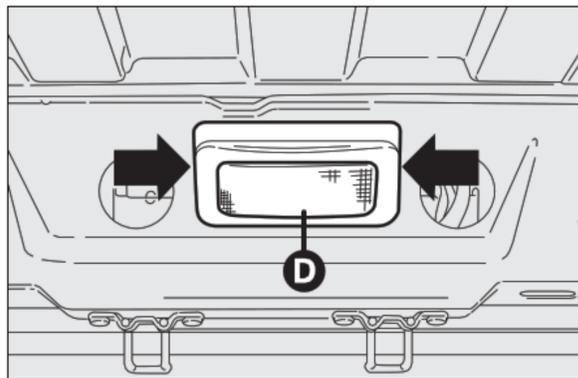


fig. 36

F0N0092m

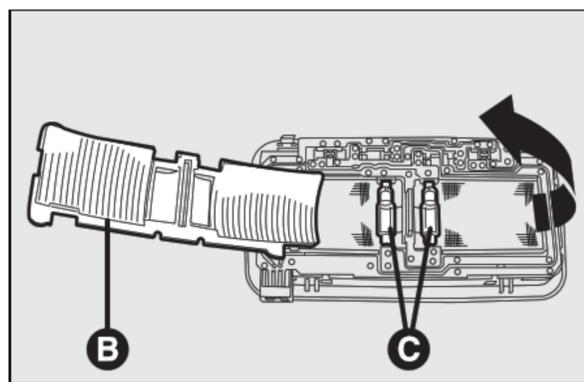


fig. 35

F0N0091m

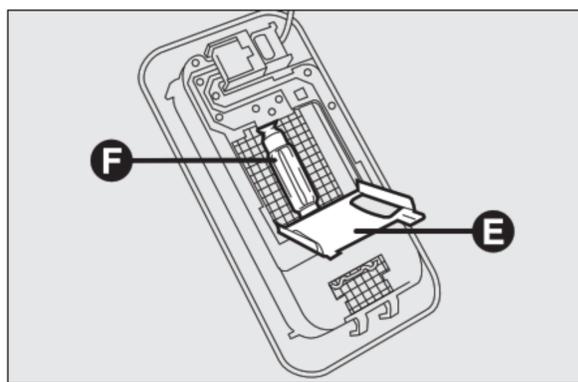


fig. 37

F0N0093m

## REAR CEILING LIGHT

To replace the bulbs proceed as follows:

- work in the points shown by the arrows and remove light **D-fig. 36**;
- open the protection lid **E-fig. 37**;
- replace bulb **F-fig. 37** releasing it from the side contacts making sure that the new bulb is correctly clamped between the contacts;
- re-close the protection lid **E-fig. 37** and secure light **D-fig. 36** into its housing locking it properly.

## IF A FUSE BLOWS

### GENERAL

The fuse is a protective device for the electric system: it comes into action (i.e. it cuts off) mainly due to a fault or improper action on the system.

When a device does not work, check the efficiency of its fuse: the conductor element **A-fig. 38** must be intact. If not, replace the fuse with one of the same amp rating (same colour).

**B** undamaged fuse

**C** fuse with damaged filament.

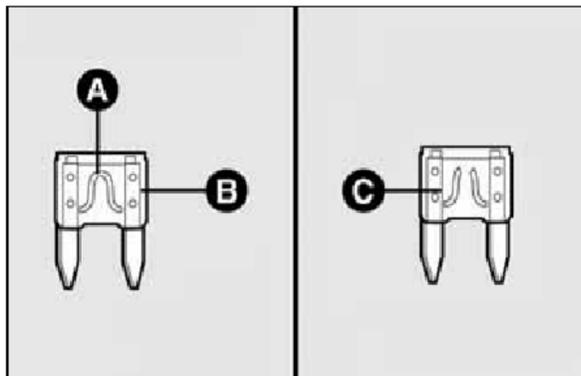


fig. 38

F0N0094m



**Never replace a broken fuse with anything other than a new fuse.**

**WARNING**

**Never change a fuse with another with a higher amp rating, DANGER OF FIRE.**

**WARNING**

**If a general fuse (MEGA-FUSE, MIDI-FUSE, MAXI-FUSE) cuts in, do not attempt any repair and contact Fiat Dealership. Before changing a fuse, check the ignition key has been removed and that all the other electric devices have been turned off/disabled.**

**WARNING**

**If a fuse blows again, contact a Fiat Dealership.**

## FUSE LOCATION

Fuses are grouped into three fuse boxes to be found respectively on the dashboard, on the passenger compartment right pillar and in the engine compartment.

### Fuse box on the dashboard

To gain access to the fuses in the fuse box on the dashboard, loosen the fastening screws **A**-fig. 39 and remove the cover.

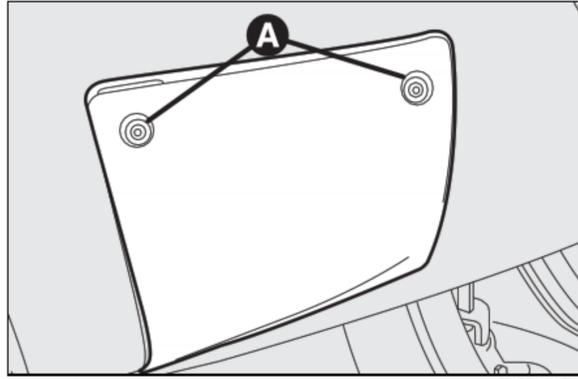


fig. 39

FON0095m

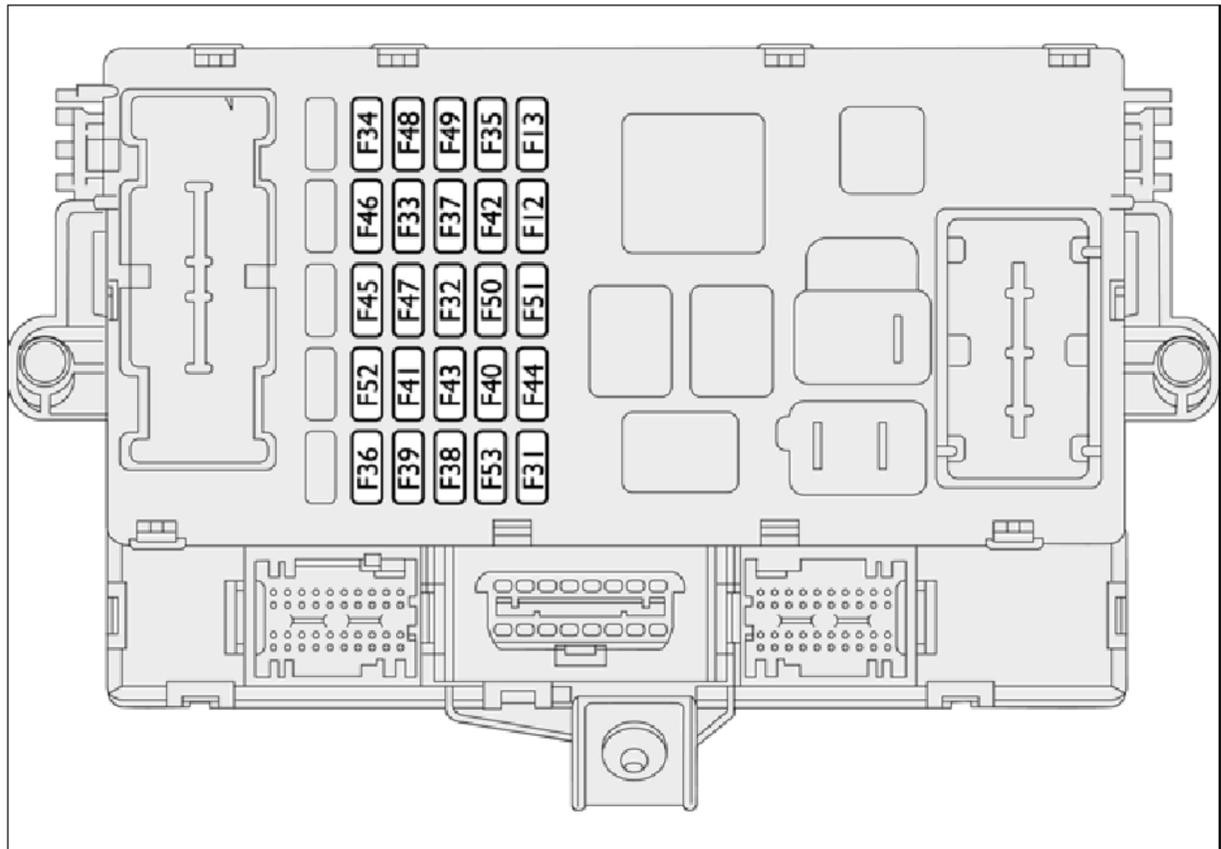


fig. 40

FON0096m

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**Fuse box in engine compartment**

To gain access to the fuse box, remove the protection cover **fig. 41**.

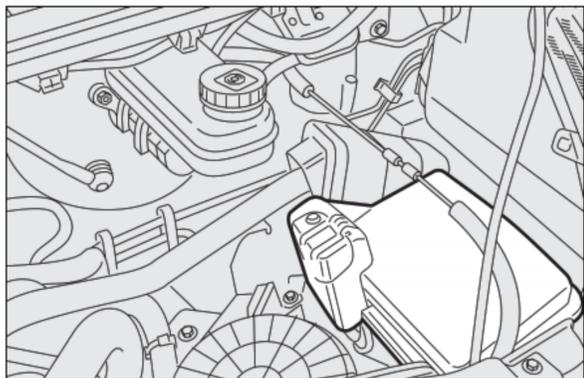


fig. 41

F0N0098m

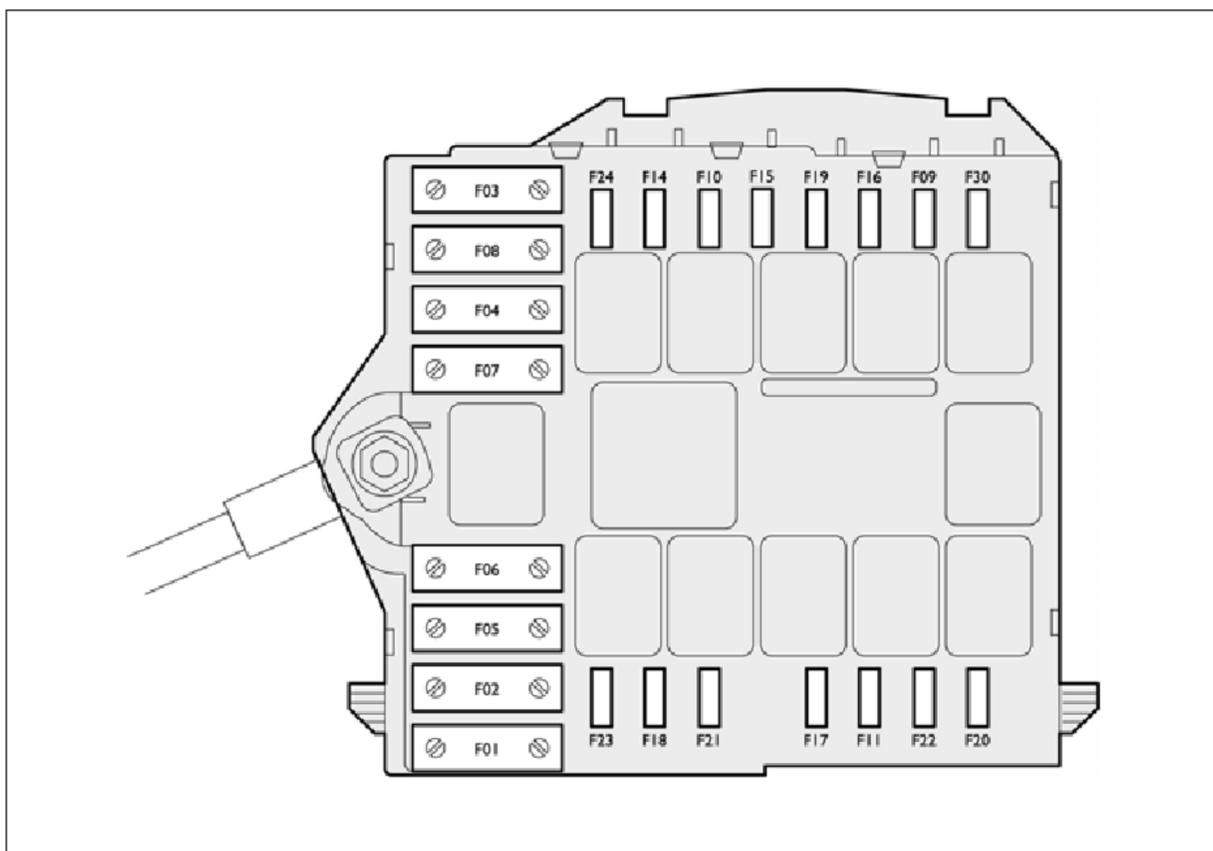


fig. 42

F0N0097m

**Optional fuse box on the right central post (where provided)**

To gain access to the fuse box, remove the protection cover **fig. 43**.

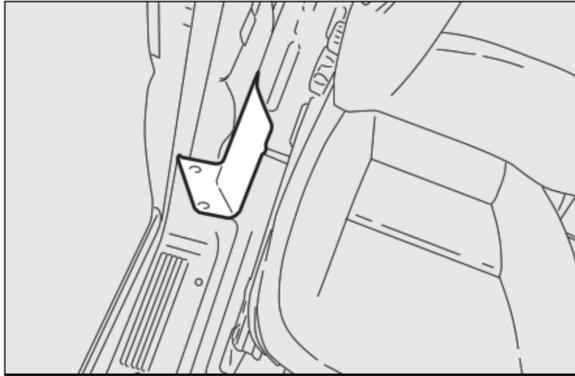


fig. 43

FON0172m

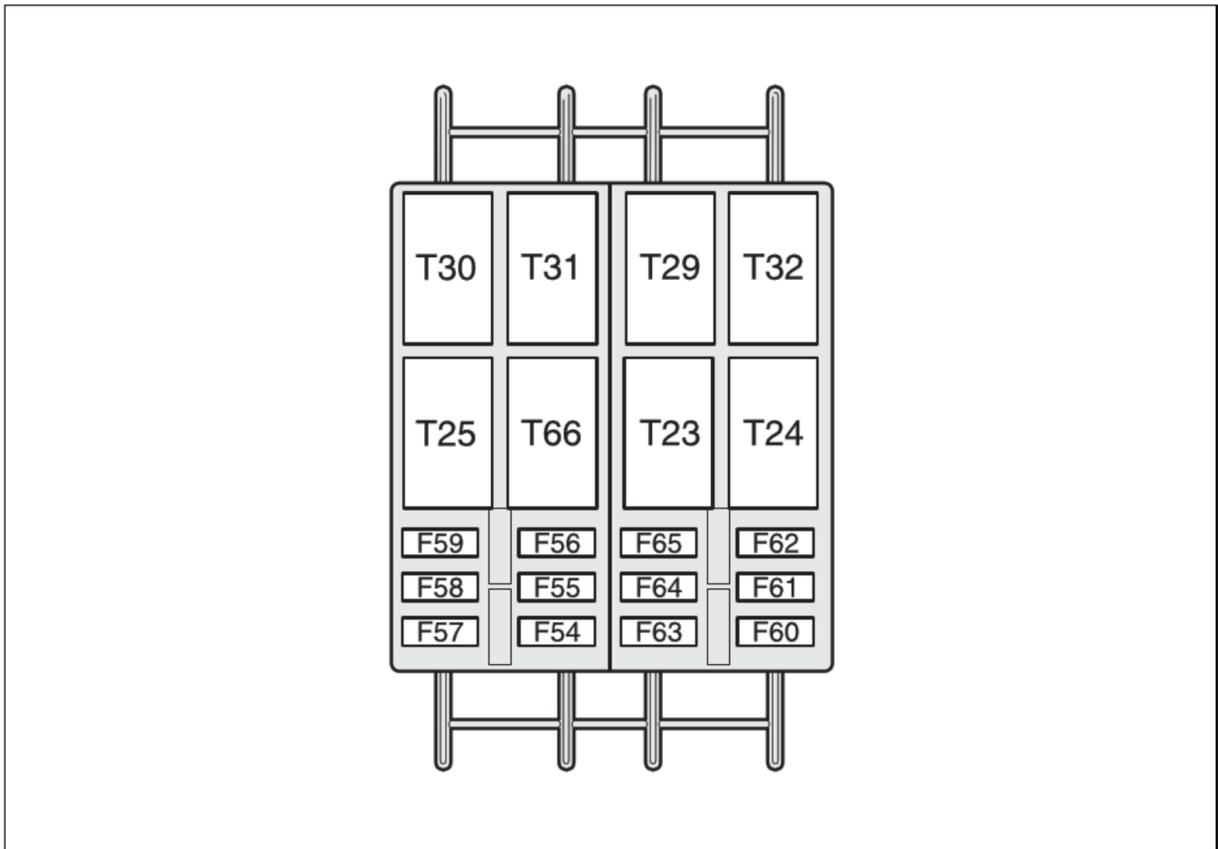


fig. 44

FON0171m

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**FUSE SUMMARY TABLE****Fuse box on dashboard****USERS**

	<b>FUSE</b>	<b>AMPERE</b>
Right dipped beam headlight	F12	7.5
Left dipped beam headlight, Headlight aiming device	F13	7.5
Engine compartment fuse box relay, dashboard fuse box relay (+key)	F31	7.5
Minibus internal lights (emergency)	F32	10
Rear current outlet	F33	15
Absent	F34	–
Reversing lights, sevotronic control unit, Water in diesel fuel filter sensor, (+key)	F35	7.5
Central door locking (+ battery)	F36	20
Brake lights (main), Third brake light, Instrument panel (+key)	F37	10
Dashboard control unit relay (+ battery)	F38	10
EOBD socket, Sound System, A/C control, Alarm, Chronotachograph, Webasto timer (+battery)	F39	10
Left-hand heated window, Driver's mirror defroster	F40	15
Right-hand heated window, Passenger's mirror defroster	F41	15
ABS, ASR, ESP, Brake light control (secondary) (+key)	F42	7.5
Windscreen wiper (+key)	F43	30
Cigar lighter, Front current outlet	F44	20

<b>USERS</b>	<b>FUSE</b>	<b>AMPERE</b>
Control on driver's door, Controls on passenger's door	F45	7.5
Absent	F46	–
Driver's power window	F47	20
Passenger's power window	F48	20
Sound System, Driver's power window, Dashboard controls, Alarm control unit, Rain sensor (+key)	F49	7.5
Airbag (+key)	F50	7.5
A/C control, Cruise control, Chronotachograph (+key)	F51	7.5
Optional fuse box relay	F52	7.5
Instrument panel, Rear fog lights (+battery)	F53	7.5

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**Fuse box in engine compartment****USERS**

	<b>FUSE</b>	<b>AMPERE</b>
ABS pump (+battery)	F01	40
Glow plug heating (+battery)	F02	50
Ignition switch (+battery)	F03	30
Webasto control unit (+battery)	F04	20
Passenger's compartment ventilation with Webasto (+battery)	F05	20
Engine cooling fan high speed (+battery)	F06	40/60
Engine cooling fan low speed (+battery)	F07	40/50
Passenger's compartment fan (+key)	F08	40
Headlight washer pump	F09	20
Horn	F10	15
E.i. system (secondary services)	F11	15
Right main beam headlight	F14	7.5
Left main beam headlight	F15	7.5
E.i. system (+key)	F16	7.5
E.i. system (primary services)	F17	10
Engine control unit (+battery)	F18	7.5
Conditioner compressor	F19	7.5
Headlight washer pump	F20	30

<b>USERS</b>	<b>FUSE</b>	<b>AMPERE</b>
Fuel pump	F21	15
E.i. system (primary services)	F22	20
ABS solenoid valves	F23	30
Automatic transmission 8 (+key)	F24	15
Front fog lights	F30	15

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**Right central post optional fuse box**

<b>USERS</b>	<b>FUSE</b>	<b>AMPERE</b>
Absent	F54	–
Heated seats	F55	15
Rear passenger's current outlet	F56	15
Additional heater under seat	F57	10
Sidelights	F58	10
Self-levelling suspensions (+battery)	F59	7.5
Absent	F60	–
Absent	F61	–
Absent	F62	–
Passenger's additional heater control	F63	10
Absent	F64	–
Passenger's additional heater fan	F65	30

## RECHARGING THE BATTERY

**IMPORTANT** The battery charging procedure is described only for information purposes. This operation should be carried out by Fiat Dealership.

You are advised to recharge the battery slowly for a period of approximately 24 hours at a low amperage. Charging for too long could damage the battery. Charge the battery as follows:

- disconnect battery negative terminal;
- connect the charger cables to the battery terminals, observing the poles;
- turn on the charger;
- when you have finished, turn the charger off before disconnecting the battery;
- reconnect the terminal to the battery negative pole.



### WARNING

*The liquid in the battery is poisonous and corrosive. Do not let it touch the skin or eyes. Recharging the battery should be done in a well ventilated area away from naked flames or possible sources of sparks: explosion and fire risk.*



### WARNING

*Do not attempt to charge a frozen battery: it must firstly be thawed, otherwise it may burst. If freezing has occurred, the battery should be checked by skilled personnel to make sure that the internal elements are not damaged and that the body is not cracked, with the risk of leaking poisonous and corrosive acid.*

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## JACKING THE VEHICLE

If the vehicle is to be lifted, go to a Fiat Dealership which is equipped with the arm hoist or workshop lift.



fig. 45

F0N00144m

Jack up the vehicle only by positioning the jack arms or the shop jack in the points shown in the figure.

## TOWING THE VEHICLE

The vehicle has two eyes for anchoring the towing device.



### WARNING

*When towing, remember that without the help of the brake booster and power steering, a greater effort is required on the pedal and steering wheel. Do not use flexible cables for towing and avoid jerks. During towing operations make sure that fastening the joint to the vehicle does not damage the components in contact with it. When towing the vehicle, you must comply with the specific traffic regulations regarding the tow ring and how to tow on the road.*

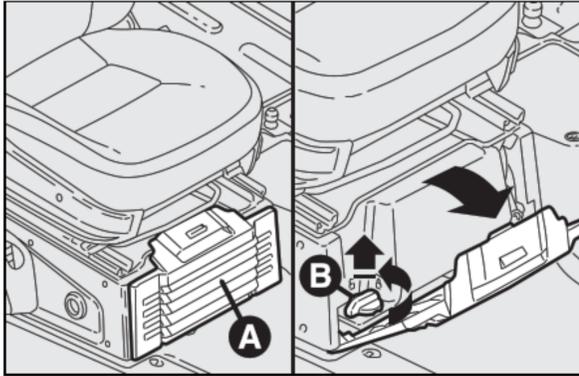


fig. 46

F0N0134m

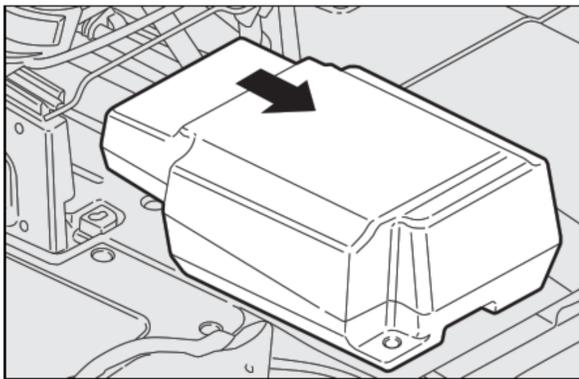


fig. 47

F0N0135m



**WARNING**

Do not start the engine when towing the vehicle.



**WARNING**

Before starting to tow, disengage the steering lock (see paragraph "Ignition device" in section "Dashboard and controls"). When towing, remember that without the help of the brake booster and power steering, a greater effort is required on the pedal and steering wheel. Do not use flexible cables for towing and avoid jerks. During towing operations make sure that fastening the joint to the vehicle does not damage the components in contact with it. When towing the vehicle, you must comply with the specific traffic regulations regarding the tow ring and how to tow on the road.

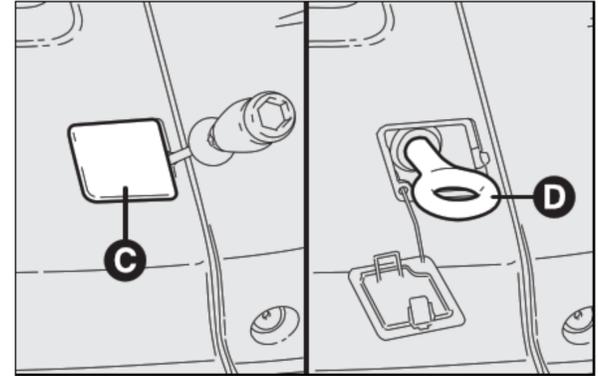


fig. 48

F0N0136m

Front ring is housed in the tool compartment under the front passenger's seat.

To use it proceed as follows:

- Open lid **A** and remove it as shown in **fig. 46**;
- turn the knob **B** counterclockwise and remove it **fig. 46** to extract the compartment **fig. 47**;

- take the screwdriver from the tool compartment and lever in the point shown to raise the cap **C-fig. 48**;
- Take the tow ring **D** from the tool compartment and screw it on the threaded pin **fig. 48**.

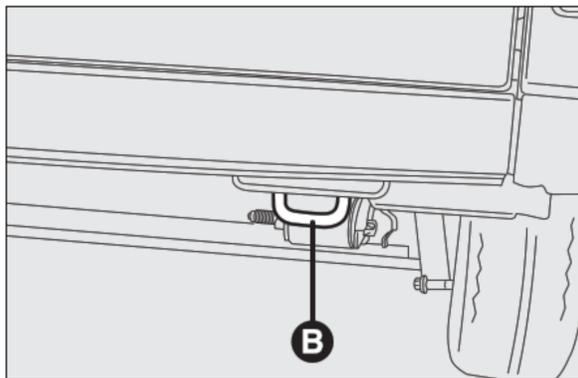


fig. 49

F0N0117m

The rear ring **B-fig. 49** is to be found in the point shown in the figure.

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## SCHEDULED SERVICING

Correct maintenance is essential for ensuring long life to your vehicle at top conditions.

This is why Fiat has programmed a series of checks and maintenance operations every 40,000/45,000 km according to engine models.

It is however important to remember that scheduled servicing does not completely cover all the vehicle requirements: also in the initial period before 40,000/45,000 km service coupon and later, between one coupon and another, ordinary care is still required such as for example routine check and topping up the level of fluids, tyre pressure check, etc...

**IMPORTANT** The Programmed Maintenance coupons are specified by the Manufacturer. The failure to have them carried out may invalidate the warranty.

Scheduled Servicing is performed by all Fiat Dealership, at pre-established times.

If during each operation, in addition to the ones programmed, the need arises for further replacements or repairs, these may be carried out only with the explicit agreement of the Customer.

**IMPORTANT** You are advised to contact Fiat Dealership in the event of any minor operating faults, without waiting for the next service coupon.

If your vehicle is used frequently for towing, the interval between one service coupon and the other must be reduced.

## SERVICE SCHEDULE (2.3 MULTIJET)

Thousands of km	45	90	135	180	225
Check tyre conditions/wear and adjust pressure if required	●	●	●	●	●
Check light system operation (headlights, direction indicators, hazard lights, boot lights, instrument panel warning lights, etc.)	●	●	●	●	●
Check windscreen wiper/washer operation and adjust nozzles, if required	●	●	●	●	●
Check windscreen blade position/wear	●	●	●	●	●
Check disk brake pad conditions and wear and front and rear disk brake pad wear indicator operation (where provided)	●	●	●	●	●
Check rear drum brake linings and wear (where provided)		●		●	
Sight inspect conditions and soundness: Sight inspect the conditions of: bodywork, underbody protection, pipes and hoses (exhaust - fuel - brakes) - Rubber parts (boots - sleeves - bushes, etc.) - Brake and fuel system hoses	●	●	●	●	●
Sight inspect accessory drive belt conditions/tension (excluding engines provided with automatic tighteners)		●			●
Check and adjust handbrake lever stroke, if required	●	●	●	●	●
Check exhaust emissions/smoke	●	●	●	●	●
Check cleanness of locks and lever cleanness and lubrication	●	●	●	●	●
Change engine oil and oil filter	●	●	●	●	●

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	Thousands of km	45	90	135	180	225
Replace fuel filter		●	●	●	●	●
Replace air cleaner cartridge		●	●	●	●	●
Top up fluids (engine coolant - brakes - power steering - windscreen washer - etc.)		●	●	●	●	●
Check timing belt			●			
Replace accessory drive belt				●		
Replace timing belt (*)					●	
Check engine control system operation (through diagnosis socket)		●	●	●	●	●
Change brake fluid (or every 2 years)			●		●	
Change pollen filter (or every 2 years)		●	●	●	●	●

(\*) Or every 4 years for particularly demanding use (cold climates, driving in the city, idling for a long time, driving on dusty roads or covered with sand and/or salt), or in any case every 5 years regardless of the km covered

## SERVICE SCHEDULE (2.2 MULTIJET)

Thousands of km	40	80	120	160	200
Check tyre conditions/wear and adjust pressure if required	●	●	●	●	●
Check electric system operation (headlights, direction indicators, hazard lights, boot light, instrument panel warning lights, etc.)	●	●	●	●	●
Check windscreen washer/wiper operation, adjust nozzles if required	●	●	●	●	●
Check windscreen blade position/wear	●	●	●	●	●
Check disk brake pad conditions and front and rear disk brake pad wear indicator operation (where provided)	●	●	●	●	●
Check rear drum brake linings and wear (where provided)		●		●	
Sight inspect conditions and soundness: Sight inspect the conditions of: bodywork, underbody protection, pipes and hoses (exhaust - fuel - brakes), Rubber parts (boots - sleeves - bushes - etc.) - Brake and fuel system hoses	●	●	●	●	●
Sight inspect accessory drive belt conditions		●			●
Check and adjust handbrake lever stroke, if required	●	●	●	●	●
Check exhaust emissions/smoke	●	●	●	●	●
Check cleanness of locks and lever cleanness and lubrication	●	●	●	●	●
Change engine oil and oil filter	●	●	●	●	●
Change fuel filter	●	●	●	●	●

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	Thousands of km	40	80	120	160	200
Replace air cleaner cartridge		●	●	●	●	●
Check and top up fluids, if required (engine coolant - brakes - power steering - windscreen washer - etc.)		●	●	●	●	●
Change accessory drive belt				●		
Check engine control system operation (through diagnosis socket)		●	●	●	●	●
Change brake fluid (or every 2 years)			●		●	
Change pollen filter (or every 2 years)		●	●	●	●	●

- Should prevailing use of the vehicle be under one of the following specially heavy conditions:
- trailer or caravan towing;
  - dusty roads;
  - short distances (less than 7-8 km) repeated and with external temperatures below zero;
  - frequently idling engines or long distance low speed driving (e.g. door-to-door deliveries) or in case of a long term inactivity;
  - driving in the city;
- servicing operations shall be carried out every 30,000 km

## ROUTINE MAINTENANCE

Every 1,000 km or before long journeys, check and top up if required:

- engine coolant fluid level;
- brake fluid level;
- windscreen washer fluid level;
- tyre pressure and conditions;
- light system operation (headlights, direction indicators, hazard lights, etc.);
- windscreen wiper/washer operation and windscreen/rear window blade position/wear;

Every 3,000 km check and top up if required: engine oil level.

You are recommended to use **FL Selenia**, products, designed and produced specifically for Fiat vehicles (see table “Capacities” in section “Technical specifications”).

## HEAVY-DUTY

Should prevailing use of the vehicle be under one of the following specially heavy conditions:

- trailer or caravan towing;
- dusty roads;
- short distances (less than 7-8 km) repeated and with external temperatures below zero;
- frequently idling engines or long distance low speed driving (e.g. door-to-door deliveries) or in case of a long term inactivity;
- driving in the city;

carry out the following checks more frequently than required in the Service Schedule:

- check front disk brake pad conditions and wear;

- check cleanness of locks, bonnet and boot and lever cleanness and lubrication;
- sight inspect the conditions of: engine, gearbox, transmission, pipes and hoses (exhaust - fuel - brakes), rubber parts (boots, sleeves, bushes, etc.);
- check battery charge and fluid level (electrolyte);
- visual check on various drive belt conditions;
- check and replace pollen filter, if required;
- check and replace air cleaner, if required.

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## CHECKING FLUID



### WARNING

Never smoke while working in the engine compartment; gas and inflammable vapours may be present, with the risk of fire.



When topping up take care not to confuse the various types of fluids: they are all incompatible with one another and could seriously damage the vehicle.

1. Engine coolant
2. Power steering fluid
3. Windscreen washer fluid
4. Brake fluid
5. Engine oil.

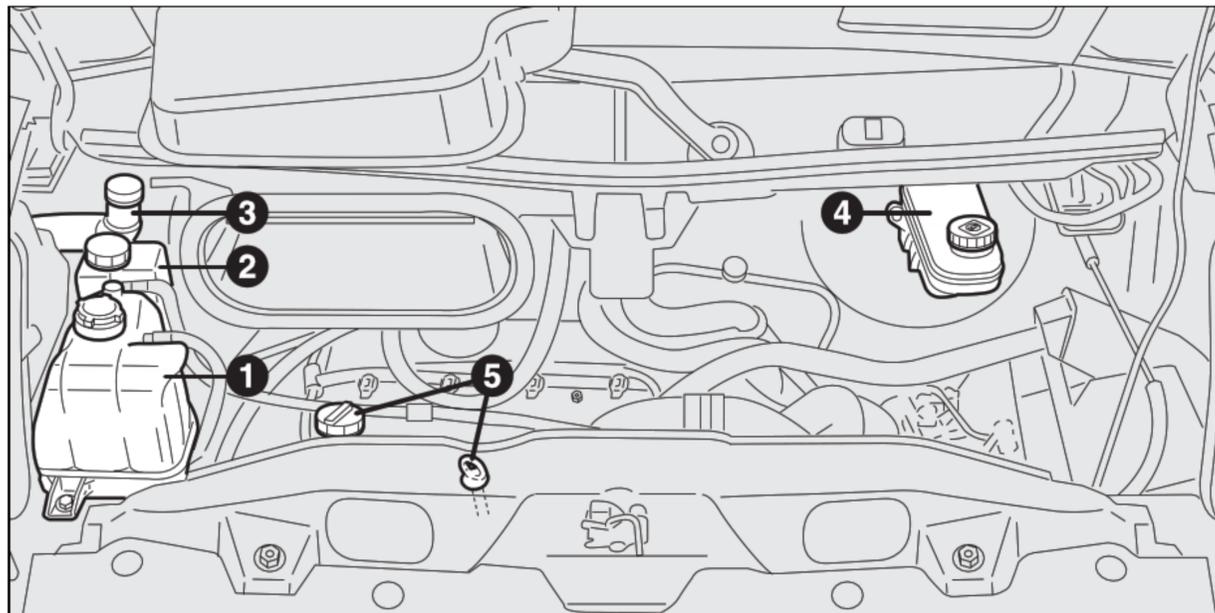


fig. 1 - 2.2 100HP versions

F0N0099m



### WARNING

Never smoke while working in the engine compartment; gas and inflammable vapours may be present, with the risk of fire.



When topping up take care not to confuse the various types of fluids: they are all incompatible with one another and could seriously damage the vehicle.

1. Engine coolant
2. Power steering fluid
3. Windscreen washer fluid
4. Brake fluid
5. Engine oil.

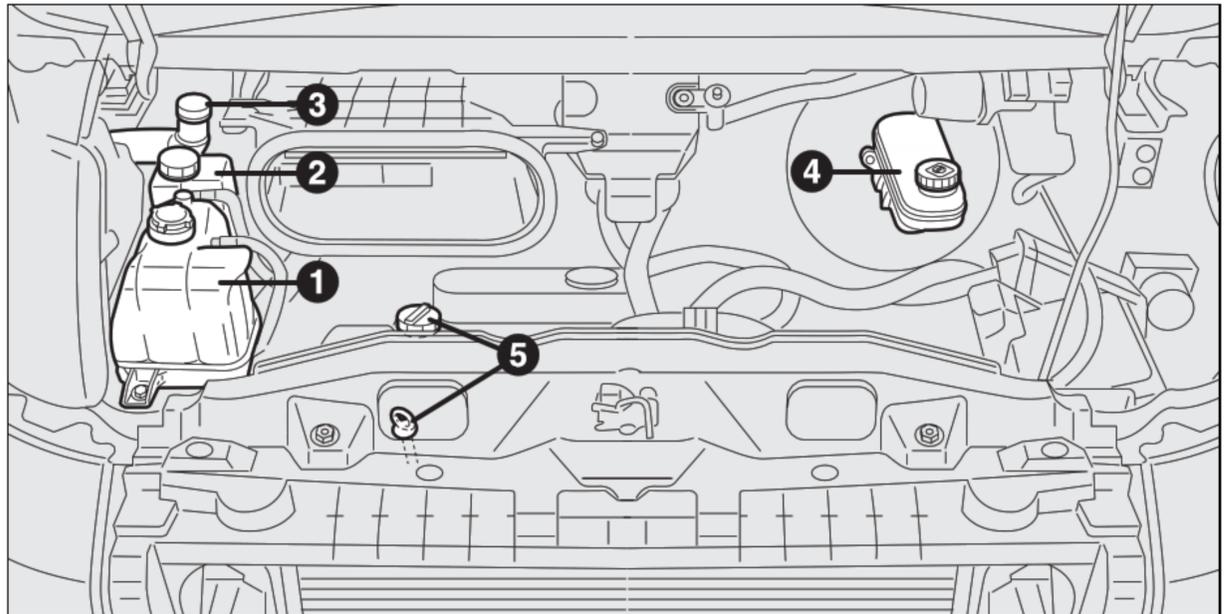


fig. 2 - 2.3 I20HP / I30HP versions

FON0100m

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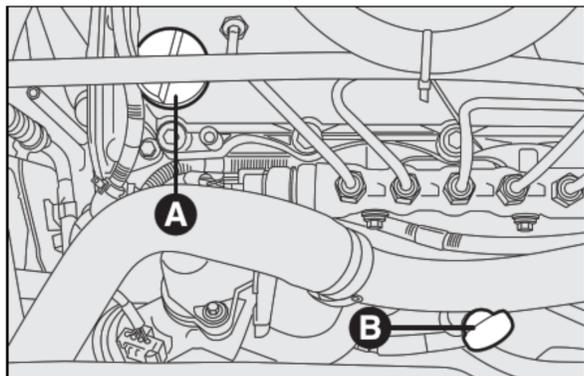


fig. 3 - 2.2 versions

F0N0101m

### ENGINE OIL fig. 3 and 4

Check the oil level a few minutes (about 5) after the engine has stopped, with the vehicle parked on level ground.

The oil level shall be included between the **MIN** and **MAX** marks on the dipstick **B**.

The gap between the **MIN** and **MAX** marks corresponds to about one litre of oil.

If the oil level is near or even below the **MIN** mark, add oil through the filler neck **A**, until reaching the **MAX** mark.

Oil level shall never exceed the **MAX** mark.

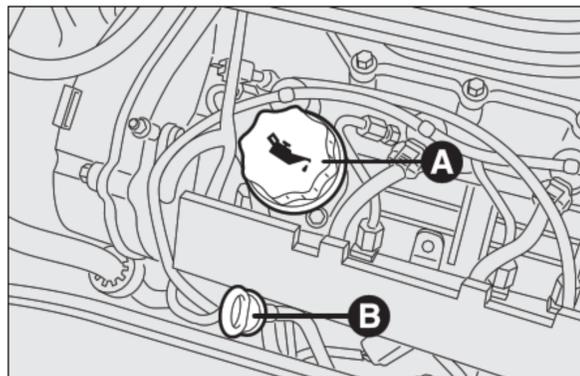


fig. 4 - 2.3 versions

F0N0102m

### ENGINE OIL CONSUMPTION

Max engine oil consumption is usually 400 grams every 1,000 km.

When the vehicle is new, the engine needs to run in, therefore the engine oil consumption can only be considered stabilised after the first 5,000 - 6,000 km.

**IMPORTANT** The oil consumption depends on driving style and the conditions under which the vehicle is used.

**IMPORTANT** After adding or changing the oil, let the engine turn over for a few seconds and wait a few minutes after turning it off before you check the level.



### WARNING

When the engine is hot, take care when working inside the engine compartment to avoid burns. Remember that when the engine is hot, fan may cut in: danger of injury. Scarves, ties and other loose clothing might be pulled by moving parts.



Do not add oil with specifications other than that already in the engine.



Used engine oil and filter contain harmful substances for the environment. Contact Fiat Dealership to have the oil and filter changed, as they are equipped to dispose of the waste oil and filters respecting the nature and the law.

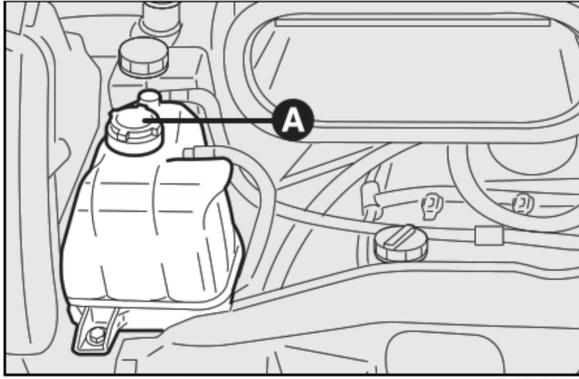


fig. 5 - 2.2 - 2.3 versions

F0N0103m

### ENGINE COOLANT fig. 5

The coolant level shall be checked with cold engine and shall be within the **MIN** and **MAX** marks on the tank.

If the level is low, pour slowly a mixture of 50% distilled water and 50% **PARAFLU UP** of the FL Selenia Group through the filler neck **A** until the level reaches **MAX**.

A 50-50 mixture of **PARAFLU UP** and distilled water gives freeze protection to  $-35^{\circ}\text{C}$ .



*The engine cooling system uses protective antifreeze fluid **PARAFLU UP**. Use the same fluid type as that already in the cooling system when topping up. **PARAFLU UP** fluid cannot be mixed with any other type of fluid. Should it happen, under no circumstances start the engine; contact a Fiat Dealership.*



### WARNING

*The cooling system is pressurised. If necessary, replace the cap only with another genuine one, otherwise system efficiency could be compromised. Do not remove the reservoir cap when the engine is hot: you risk scalding yourself.*

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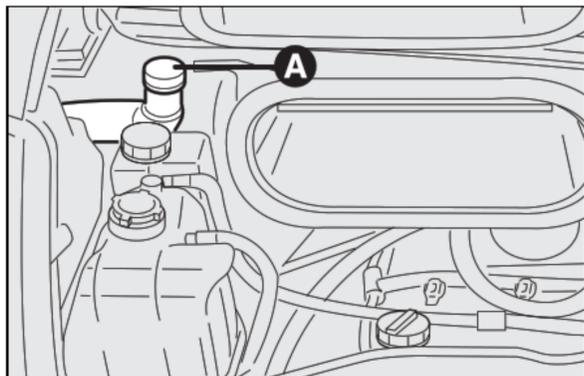


fig. 7 - 2.2 - 2.3 versions

F0N0105m

### WINDSCREEN/REAR WINDOW WASHER FLUID fig. 7

To top up, remove the cap **A**.

Pour a mixture of water and **TUTELA PROFESSIONAL SC35**, in the following concentrations:

30% **TUTELA PROFESSIONAL SC35** and 70% water in summer.

50% **TUTELA PROFESSIONAL SC35** and 50% water in winter.

In case of temperatures below  $-20^{\circ}\text{C}$ , use undiluted **TUTELA PROFESSIONAL SC35** fluid.

Check level through the reservoir.



#### WARNING

*Do not travel with the windscreen washer reservoir empty: the windscreen washer is fundamental for improving visibility.*



#### WARNING

*Certain commercial additives for windscreen washers are inflammable. The engine compartment contains hot components which may set it on fire.*

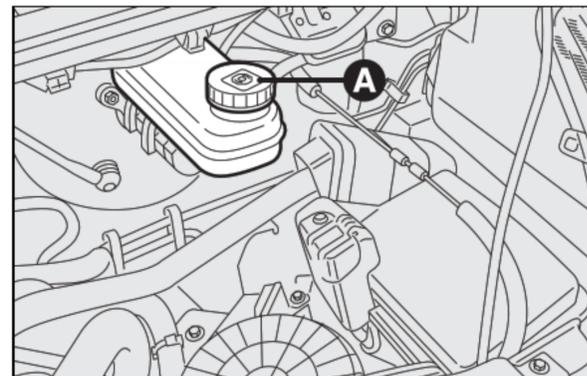


fig. 8

F0N0107m

### BRAKE FLUID fig. 8

Unscrew cap **A** and check that the fluid level in the reservoir is at maximum.

Fluid level in the reservoir shall not exceed the **MAX** mark.

Use only **DOT4** fluid for topping up. We recommend **TUTELA TOP 4**, which is the fluid used for first filling.

**IMPORTANT** Brake fluid absorbs moisture, for this reason, if the vehicle is mainly used in areas with a high degree of atmospheric humidity, the fluid should be replaced at more frequent intervals than specified in the "Service schedule".



**Make sure that the highly corrosive brake fluid does not drip onto the paintwork; if it does, wash it off immediately with water.**



#### **WARNING**

**Brake fluid is poisonous and highly corrosive. In the event of accidental contact, wash the parts involved immediately with neutral soap and water, then rinse thoroughly. Call the doctor immediately if the fluid is swallowed.**



#### **WARNING**

**The symbol © on the container indicates synthetic brake fluid, distinguishing it from the mineral kind. Using mineral fluids irreversibly damages the special braking system rubber seals.**

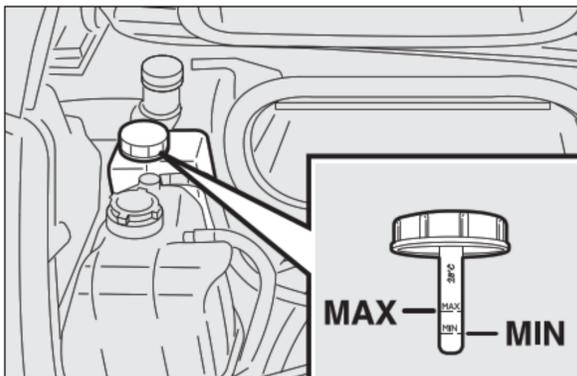


fig. 10 - 2.2 - 2.3 versions

F0N0109m

### **POWER STEERING FLUID fig. 10**

Check whether the fluid level in the tank is at max. level. This operation should be carried out with the vehicle on level ground, engine not running and cold. Check whether the fluid level is at **MAX** mark on the dipstick integral with the tank cap (for cold check use the level shown on the 20 °C side on the dipstick).

If the fluid level in the reservoir is below the specified level, top up with one of the products specified in table “Fluids and lubricants” in section “Technical Specifications”, proceed as follows:

- Start the engine and wait until the fluid level in the reservoir has stabilized.
- With the engine started, turn repeatedly the steering wheel fully rightwards and leftwards.
- Top up until reaching the **MAX** mark then refit the cap.



#### **WARNING**

**Do not allow the power steering fluid to touch the hot parts of the engine: it is inflammable.**



**Power steering fluid consumption is extremely low. If the fluid level needs topping up again after a short period of time, have the system checked for leakage at a Fiat Dealership.**



**Do not press down the power steering with the engine running for over 8 seconds, noise and risk of damages will result.**

## AIR CLEANER

Air cleaner replacement shall be carried out at Fiat Dealership.

## POLLEN FILTER

Pollen filter replacement shall be carried out at Fiat Dealership.

## BATTERY

The battery is of the “Limited maintenance” type: under normal conditions of use the electrolyte does not need topping up with distilled water.

The battery is located inside the passenger’s compartment in front of the pedal assy. Remove the protection cover to find it.

Contact Fiat Dealership to have the battery checked/replaced.

### CHECKING THE CHARGE fig. 12

The battery charge may be checked through the indicator **A** set on the battery cover and acting according to the colour the indicator shows.

To check the battery charge, loosen the two fastening screws and open the cover. Then, close the cover accurately avoiding pinching and short circuits.

Refer to the table below.



### WARNING

**The liquid in the battery is poisonous and corrosive. Avoid contact with eyes and skin. Do not bring naked flames or possible sources of sparks near the battery: risk of fire and explosion.**



### WARNING

**Running the battery with low fluid level can damage the battery beyond repair and could also cause its explosion.**

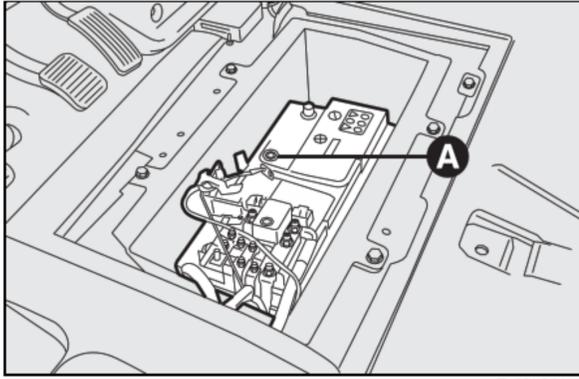


fig. 12

F0N0110m



**Incorrect fitting of electrical and electronic accessories can seriously damage the vehicle. If after buying the vehicle, you want to install electric accessories which require permanent electric supply (alarm, free-hand phone kit, etc.) contact Fiat Dealership whose qualified personnel, in addition to suggesting the most suitable devices, will evaluate the overall electric absorption, checking whether the vehicle electric system is capable of withstanding the load required, or whether it should be integrated with a more powerful battery.**



**Batteries contain substances that are very harmful for the environment. You are advised to have the battery changed at a Fiat Dealership, which is properly equipped for disposing of used batteries respecting nature and the law.**



**WARNING**

**If the vehicle is left inactive for long periods at cold, remove the battery and store it in a warm place to prevent freezing.**

Bright white colour	Top up electrolyte	Contact Fiat Dealership
Dark colour without green area in the centre	Low charge level	Charge the battery (advisable to contact Fiat Dealership)
Dark colour with green area in the centre	Electrolyte level and charge sufficient	No action

**CHANGING THE BATTERY**

If required, replace the battery with a genuine spare part having the same specifications.

If a battery with different specifications is fitted, the service intervals given in the "Service schedule" in this section will no longer be valid.

Refer therefore to the instructions provided by the battery manufacturer.

**IMPORTANT** The charge in the battery should be checked at the start of winter to limit the risk of electrolyte freezing. This check should be carried out more frequently if the vehicle is used mainly for short trips, or if it is fitted with accessories that permanently absorb electricity even with the ignition key removed, especially in the case of after market accessories.

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**WARNING**

**When working on the battery or near it, always wear the proper goggles.**

### USEFUL ADVICE FOR LENGTHENING THE LIFE OF YOUR BATTERY

To avoid draining your battery and lengthen its life, observe the following indications:

- when you park the vehicle, ensure the doors are closed properly. The ceiling lights must be off;
- turn the ceiling lights off. The vehicle however, is provided with an automatic system for switching off internal lights;

- do not keep accessories (e.g.: sound system, hazard lights, etc.) switched on for a long time when the engine is not running;
- before performing any operation on the electrical system, disconnect the battery negative cable;
- battery terminals shall always be perfectly tightened.

**IMPORTANT** A battery which is kept at a charge of less than 50% (optical indicator with dark colour without green area in the middle) for any length of time will be damaged by sulphation leading to a reduction in cranking power.

Moreover, this might lead to a higher risk of the battery electrolyte freezing (this may even occur at  $-10^{\circ}\text{C}$ ). If the vehicle is inactive for a long period of time, refer to "Vehicle inactivity", in section "Correct use of the vehicle".

If after buying the vehicle, you want to install electric accessories which require permanent electric supply (alarm, etc.) contact Fiat Dealership whose qualified personnel, in addition to suggesting the most suitable devices, will evaluate the overall electric absorption, checking whether the vehicle's electric system is capable of withstanding the load required, or whether it should be integrated with a more powerful battery.

In fact, since these devices continue absorbing energy even when the ignition key is off, they gradually run down the battery.

## WHEELS AND TYRES

Check the pressure of each tyre, including the spare, every two weeks and before long journeys. The pressure should be checked with the tyre rested and cold.

It is normal for pressure to rise when you are driving. For the correct tyre inflation pressure, see “Wheels” in section “Technical specifications”.

Incorrect pressure causes abnormal tyre wear **fig. 13**:

- A** normal pressure: tread evenly worn.
- B** low pressure: tread particularly worn at the edges.
- C** high pressure: tread particularly worn in the centre.

Tyres must be replaced when the tread wears down to 1.6 mm. In any case, comply with the laws in the country where the vehicle is being driven.

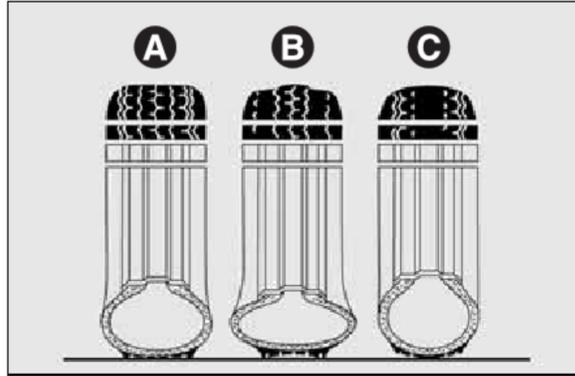


fig. 13

F0N0111m

### IMPORTANT NOTES

- As far as possible, avoid sharp braking and screech starts etc. Be careful not to hit the kerb, potholes or other obstacles hard. Driving for long stretches over bumpy roads can damage the tyres;
- periodically check that the tyres have no cuts in the side wall, abnormal swelling or irregular tyre wear. If any of these occur, have the vehicle seen to at a Fiat Dealership;
- avoid overloading the vehicle when travelling: this may cause serious damage to the wheels and tyres;
- if a tyre is punctured, stop immediately and change it to avoid damage to the tyre, the rim, suspensions and steering system;

- tyres age even if they are not used much. Cracks in the tread rubber are a sign of ageing. In any case, if the tyres have been on the vehicle for over 6 years, they should be checked by specialised personnel, to see if they can still be used. Also remember to check the spare wheel;
- in the case of replacement, always fit new tyres, avoiding those of dubious origin;
- if a tyre is changed, also change the inflation valve;
- to allow even wear between the front and rear tyres, it is advisable to change them over every 10-15 thousand kilometres, keeping them on the same side of the vehicle so as to not reverse the direction of rotation.



### WARNING

**Remember that road holding depends also on the correct tyre inflating pressure.**

**WARNING**

*If the pressure is too low the tyre overheats and this can cause it serious damage.*

**WARNING**

*Do not cross switch the tyres, moving them from the right of the vehicle to the left and vice versa.*

**WARNING**

*Never submit alloy rims to repainting treatments requiring to use temperatures exceeding 150°C since the mechanical properties of the wheels could be impaired.*

## RUBBER HOSES

As far as the brake system and fuel rubber hoses are concerned, carefully follow the "Service schedule" in this section.

Indeed ozone, high temperatures and prolonged lack of fluid in the system may cause hardening and cracking of the hoses, with possible leaks. Careful control is therefore necessary.

## WINDSCREEN

### BLADES

Periodically clean the rubber part using special products; **TUTELA PROFESSIONAL SC 35** is recommended.

If the rubber blades are bent or worn they should be replaced. In any case they should be changed once a year.

A few simple notions can reduce the possibility of damage to the blades:

- if the temperature fall below zero, make sure that ice has not frozen the rubber against glass. If necessary, thaw using an antifreeze product;
- remove any snow from the glass: in addition to protecting the blades, this prevents effort on the motor and overheating;
- do not operate the windscreen wipers on dry glass.



### WARNING

Driving with worn wiper blades is a serious hazard, because visibility is reduced in bad weather.

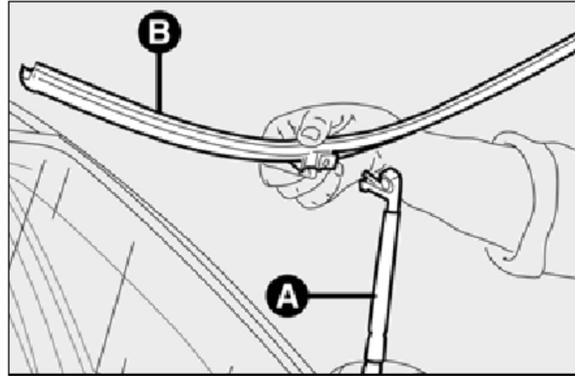


fig. 14

F0N0137m

### Changing the windscreen wiper blades fig. 14

Proceed as follows:

- raise the windscreen wiper arm **A** and set the blade at 90° with the arm;
- remove the snap-fitted blade **B** from the arm **A**;
- refit the new blade and lock it.

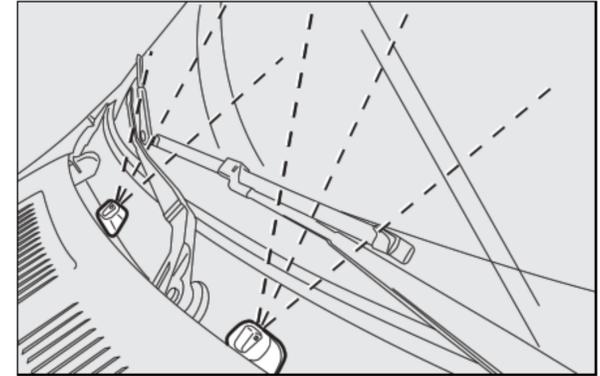


fig. 15

F0N0112m

### SPRAY NOZZLES

#### Windscreen wiper fig. 15

If the jet of fluid is inadequate, firstly check that there is fluid in the reservoir: see “Checking fluid levels” in this section.

Then check that the nozzle holes are not clogged, if necessary use a needle.

The windscreen jets are directed by adjusting the angle of the nozzles using the special screwdriver.

Fluid jets shall be directed at about  $\frac{1}{3}$  height from the window upper edge.

## BODYWORK

### PROTECTION FROM ATMOSPHERIC AGENTS

The main causes of corrosion are the following:

- atmospheric pollution;
- salty air and humidity (coastal areas, or hot humid climates);
- seasonal environment conditions.

Not to be underestimated is also the abrasive action of wind-borne atmospheric dust and sand and mud and gravel raised by other vehicles.

On your vehicle, Fiat implemented the best manufacturing technologies to effectively protect the bodywork against corrosion.

These include:

- Painting products and systems which give the vehicle particular resistance to corrosion and abrasion;
- Use of galvanised (or pretreated) steel sheets, with high resistance to corrosion;
- Spraying the underbody, engine compartment, wheelhouse internal parts and other parts with highly protective wax products;
- Spraying of plastic parts, with a protective function, in the more exposed points: underdoor, inner fender parts, edges, etc;
- Use of "open" boxed sections to prevent condensation and pockets of moisture from triggering rust inside.

### BODY AND UNDERBODY WARRANTY

Your 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 Fiat Warranty Booklet.

### ADVICE FOR PRESERVING THE BODYWORK

#### Paint

Paintwork does not only serve an aesthetic purpose, but also protects the underlying sheet metal.

In the case of deep scrapes or scores, you are advised to have the necessary touching up carried out immediately to avoid the formation of rust. For touching up use only original products (see "Bodywork paint identification plate" in section "Technical specifications").

Normal paint maintenance consists in washing at intervals depending on the conditions and environment of use. For example, in highly polluted areas, or if the roads are sprayed with salt, it is wise to wash the vehicle more frequently.

To correctly wash the vehicle:

- 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 with the sponge;
- rinse well with water and dry with a jet of air or a chamois leather.

When drying, take particular care with the less visible parts like door surrounds, bonnet and around the headlights where water may stagnate. The vehicle should not be taken to a closed area immediately, but left in the open so that residual water can 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 must be cleaned in the same way as the rest of the vehicle.

Where possible, do not park under trees; the resinous substance many species release give the paint a dull appearance and increase the possibility of triggering rust processes.

For best paint protection, from time to time polish the bodywork with special waxes; when paint becomes mat due to smog, polish the bodywork with polish waxes that have also a light abrasive effect.

**IMPORTANT** Bird droppings must be washed off immediately and thoroughly as the acid they contain is particularly aggressive.



**Detergents cause water pollution. Therefore the engine compartment should be washed in areas equipped for collecting and purifying the liquid used in the washing process.**

## Windows

Use specific window cleaner products. Use also clean cloths to avoid scratching the glass or damaging the transparency.

**IMPORTANT** The inside of the rearscreen should be wiped gently with a cloth in the direction of the filaments to avoid damaging the heating device.

## Engine compartment

At the end of the winter the engine compartment should be carefully washed, without directing the jet against electronic control units. Contact a specialised workshop to have this done.

**IMPORTANT** The vehicle should be washed with the engine cold and the ignition key at **STOP**. After washing make sure that the various protections (e.g. rubber caps and various covers) have not been damaged or removed.

## Front headlights

**IMPORTANT** Never use aromatic substances (e.g.: petrol) or ketones (e.g.: acetone) for cleaning front headlight plastic lens.

## INTERIORS

Periodically check that water is not trapped under the mats (due to water dripping off shoes, umbrellas, etc.) which could cause oxidation of the sheet metal.



### WARNING

**Never use flammable products like oil ether or rectified petrol for cleaning vehicle interiors. Electrostatic discharges generated by rubbing during cleaning operations could cause fire.**



### WARNING

**Do not keep aerosol cans in the vehicle: they might explode. Aerosol cans must never be exposed to a temperature above 50° C. The temperature inside the vehicle exposed to the sun may go well beyond that figure.**

## CLEANING SEATS AND FABRIC AND VELVET PARTS

Use a soft brush or vacuum cleaner to remove dust. Velvet is cleaned better if the brush is moistened.

Rub the seats with a sponge moistened with a solution of water and neutral detergent.



**Fabric upholstery of your Fiat Ducato is purpose-made to withstand common wear resulting from normal use of the vehicle. It is however absolutely necessary to prevent hard and/or prolonged scratching/scraping caused by clothing accessories like metallic buckles, studs, "Velcro" fixings, etc. that stressing locally the fabric could break yarns and damage the upholstery as a consequence.**

## INTERIOR PLASTIC PARTS

For routine cleaning of interior plastic parts use a soft cloth moistened with water and neutral soap. Remove grease or persisting stains using appropriate solvent-free products designed to preserve appearance and colour of plastic components.

**IMPORTANT** Never use spirit or petroleum to clean the instrument panel.

## STEERING WHEEL/GEAR LEVER KNOB WITH GENUINE LEATHER COVERING

These components shall only be cleaned with water and neutral soap.

Never use spirit or alcohol-based products.

Before using special products for cleaning interiors, read carefully label instructions and indications to make sure they are free from spirit and/or alcohol-based substances.

If when cleaning the windscreen with special glass products, some drops fall on the leather covering of the steering wheel/gear lever knob remove them immediately and then clean with water and neutral soap.

**IMPORTANT** Take the utmost care when engaging the steering lock to prevent scratching the leather covering.

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## IDENTIFICATION DATA

You are advised to note the identification codes. The identification data stamped and given on the plates and their position are the following:

- Model plate.
- Chassis marking.
- Bodywork paint identification plate.
- Engine marking.

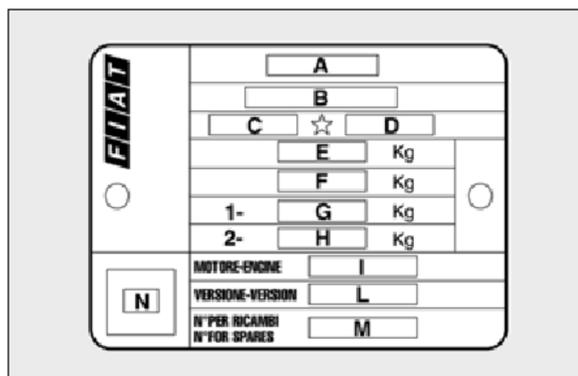


fig. 1

F0N0143m

### MODEL PLATE fig. 1

The plate is to be found on the front cross member of the engine compartment and it bears the following identification data:

- A** Manufacturer's name.
- B** Homologation number.
- C** Vehicle type code.
- D** Chassis number.
- E** Maximum vehicle weight fully loaded.
- F** Maximum vehicle weight fully loaded with trailer.
- G** Maximum vehicle weight on front axle.

**H** Maximum vehicle weight on rear axle.

**I** Engine type.

**L** Body version code.

**M** Spare part code.

**N** Smoke opacity index (for diesel engines).

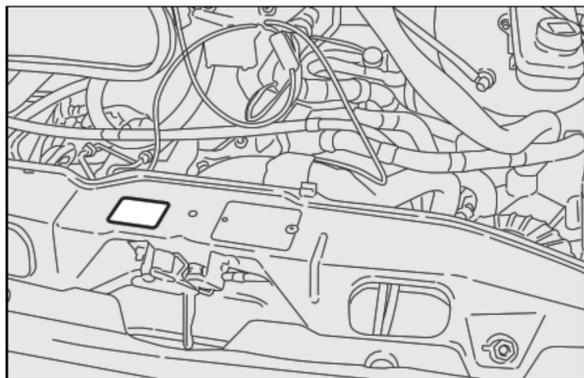


fig. 2

F0N0160m

### BODYWORK PAINT IDENTIFICATION PLATE fig. 2

The plate is to be found on the front cross member of the engine compartment and it bears the following identification data:

- A** Paint manufacturer.
- B** Colour name.
- C** Fiat colour code.
- D** Respray and touch up code.

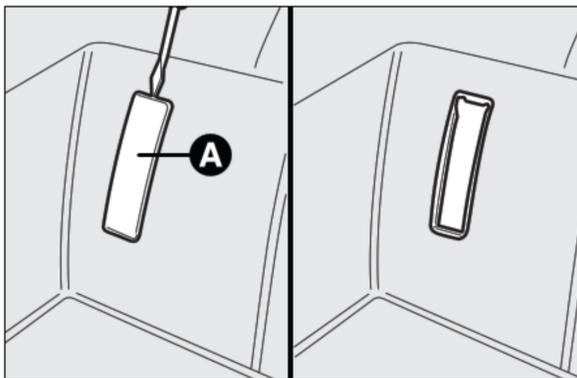


fig. 3

F0N0162m

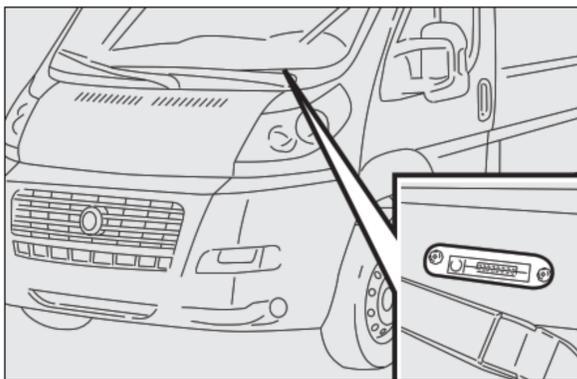


fig. 4

F0N0161m

### CHASSIS MARKING fig. 3

These are to be found respectively: on the internal wheelhouse on passenger's side **A**-fig. 3 and on the bottom of the wind-screen fig. 4.

- vehicle model;
- chassis number.

### ENGINE MARKING

Engine marking is stamped on the cylinder block and includes the model and the serial number.

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## CAPACITY

- A** 3,000 kg
- B** 3,300 kg
- C** 3,500 kg LIGHT
- D** 3,500 kg HEAVY
- E** 4,005 kg

## ENGINES

- A** 2.2 Multijet 100 HP
- C** 2.3 Multijet 120 HP
- E** 2.3 Multijet 130 HP

## TRANSMISSION

- M** Mechanical gearbox
- A** Automatic gearbox

## BODYWORK

- A** Chassis-cab chassis
- B** Chassis without cab
- C** Chassis-cab floor
- D** Body
- E** Schoolbus for primary school
- L** Schoolbus for secondary school
- F** Van
- G** Long cab body
- H** Long cab chassis
- M** Minibus
- P** Panorama
- R** Mixed 6/9 seats
- U** Chassis without cab "Floor"

## WHEELBASE

- A** Short wheelbase
- B** Medium wheelbase
- C** Long wheelbase
- D** Medium long wheelbase

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**ENGINE****GENERAL**

<b>GENERAL</b>		<b>2.2 Multijet 100 HP</b>	<b>2.3 Multijet 120 HP</b>	<b>2.3 Multijet 130 HP</b>
Engine code		4HV	Sofim FIAE0481D	Sofim FIAE0481N
Cycle		Diesel	Diesel	Diesel
Number and layout of cylinders		4 in line	4 in line	4 in line
Piston bore and stroke	mm	86 x 94.6	88 x 94	88 x 94
Total displacement	cm <sup>3</sup>	2198	2287	2287
Compression ratio		17.5	19 ± 0.5	19 ± 0.5
Maximum power (EEC)	kW HP	74 100	88 120	95,5 130
corresponding ratio	rpm	2900	3600	3600
Maximum torque (EEC)	Nm	250	320	320
corresponding ratio	rpm	1500	2000	2000
Fuel		Diesel fuel for motor vehicles (Specification EN590)	Diesel fuel for motor vehicles (Specification EN590)	Diesel fuel for motor vehicles (Specification EN590)

## FUEL FEED

Fuel feed	Multijet direct injection "Common Rail"
-----------	---



### WARNING

*Modifications or repairs to the fuel feed system that are not carried out properly or do not take the system's technical specifications into account can cause malfunctions leading to the risk of fire.*

## TRANSMISSION

	2.2 Multijet 100 HP	2.3 Multijet
Gearbox	Five forward gears and reverse with synchromesh for forward gear engagement	Six forward gears and reverse with synchromesh for forward gear engagement
Clutch	Self-adjusting pedal without idle stroke	
Drive	Front	

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## BRAKES

Service brakes:

– front

self-ventilating disc

– rear

disc

Parking brake

controlled by hand lever, it works on rear brakes

**IMPORTANT** Water, ice and antifreeze salt on roads may deposit on the brake discs thus reducing braking efficiency at first braking.

## SUSPENSIONS

Front

Mc Pherson independent wheels

Rear

twisting axle with interconnected wheels

## STEERING

**Short  
wheelbase**

**Medium  
wheelbase**

**Medium long  
wheelbase**

**Long  
wheelbase**

Type

rack and pinion with hydraulic power steering

Minimum  
steering cycle m

11.06

12.46

13.54

14.28

## WHEELS

### RIMS AND TYRES

Pressed steel or alloy rims. Tubeless tyres with radial carcass. The homologated tyres are listed in the Log book.

**IMPORTANT** In the event of discrepancies between the information provided on this “Owner handbook” and the “Log book”, consider the specifications shown in the log book only.

To ensure safety of the vehicle in movement, it must be fitted with tyres of the same make and type on all wheels.

**IMPORTANT** Do not use inner tubes with Tubeless tyres.

### SPARE WHEEL

Printed steel rim.

Tubeless tyre (same as those fitted).

### WHEEL GEOMETRY

Front wheel toe-in measured from rim to rim:  $1 \pm 1$  mm

Rear wheel toe-in measured from rim to rim:  $1,3 \pm 2$  mm

The values refer to the vehicle in running order.

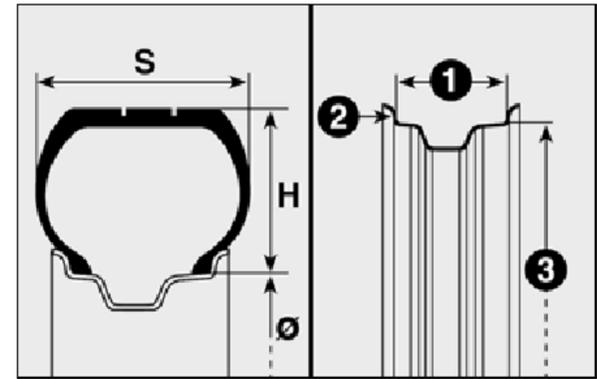


fig. 4

### UNDERSTANDING TYRE MARKING fig. 4

#### Example: 215/70 R 15 109S

215 = Nominal width (S, distance between sidewalls in mm).

70 = Percentage height/width ratio (H/S).

R = Radial tyre.

15 = Rim diameter in inches (Ø).

109 = Load rating (capacity).

S = Maximum speed rating.

**Maximum speed rating**

- Q = up to 160 km/h.
- R = up to 170 km/h.
- S = up to 180 km/h.
- T = up to 190 km/h.
- U = up to 200 km/h.
- H = up to 210 km/h.
- V = up to 240 km/h.

**Maximum speed rating for snow tyres**

- QM + S** = up to 160 km/h.
- TM + S** = up to 190 km/h.
- HM + S** = up to 210 km/h.

**Load rating (capacity)**

<b>70</b> = 335 kg	<b>81</b> = 462 kg
<b>71</b> = 345 kg	<b>82</b> = 475 kg
<b>72</b> = 355 kg	<b>83</b> = 487 kg
<b>73</b> = 365 kg	<b>84</b> = 500 kg
<b>74</b> = 375 kg	<b>85</b> = 515 kg
<b>75</b> = 387 kg	<b>86</b> = 530 kg
<b>76</b> = 400 kg	<b>87</b> = 545 kg
<b>77</b> = 412 kg	<b>88</b> = 560 kg
<b>78</b> = 425 kg	<b>89</b> = 580 kg
<b>79</b> = 437 kg	<b>90</b> = 600 kg
<b>80</b> = 450 kg	<b>91</b> = 615 kg

**UNDERSTANDING RIM MARKING fig. 4**

**Example: 6J x 15 ET43**

- 5,00 = 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 angle (distance between the disc/rim supporting plane and the wheel rim centre line).

<b>Versions</b>	<b>Rims</b>	<b>Standard tyres</b>
All types, light (excluding free time)	6j x 15" - H2	215/70 R15C 109/107S 225/70 R15C 112/110S
All types, light (free time)	6j x 15" - H2	215/70 R15CP 109/107Q
All types, heavy (excluding free time)	6j x 16" - H2	215/70 R16C 116/114R 225/70 R16C 118/116R
All types, heavy (excluding free time)	6j x 16" - H2	225/75 R16CP 116/114Q

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**COLD TYRE INFLATION PRESSURE (bar)**

	<b>Application</b>	<b>Front</b>	<b>Rear</b>
205/70 R15	3000 PTT(*) Light	4.0 ± 0,05	4.0 ± 0,05
	3000 PTT(*) Light / 3500 PTT(*) Light	4.1 ± 0,05	4.5 ± 0,05
215/70 R15	3000 PTT(*) Light with oversize tyres	4.0 ± 0,05	4.0 ± 0,05
	3000 PTT(*) Light / 3500 PTT(*) Light with oversize tyres	4.1 ± 0,05	4.5 ± 0,05
225/70 R15 Camping	Light range with Camping tyres	5.0 ± 0,05	5.5 ± 0,05
215/75 R16	3500 PTT(*) Heavy / 4000 PTT(*) Heavy	4.5 ± 0,05	5.0 ± 0,05
225/75 R16	3500 PTT(*) Heavy / 4000 PTT(*) Heavy with oversize tyres	4.5 ± 0,05	5.0 ± 0,05
	Heavy range with Camping tyres	5.5 ± 0,05	5.5 ± 0,05

(\*) Total weight on ground

Add +0.3 bar to the prescribed inflation pressure when the tyres are warm. Recheck pressure value with cold tyres.

With snow tyres, add +0.2 bar to the inflation pressure value prescribed for standard tyres.

## DIMENSIONS

### VAN VERSION

Dimensions are expressed in mm and refer to the vehicle fitted with standard tyres.

Height is intended on an unladen vehicle.

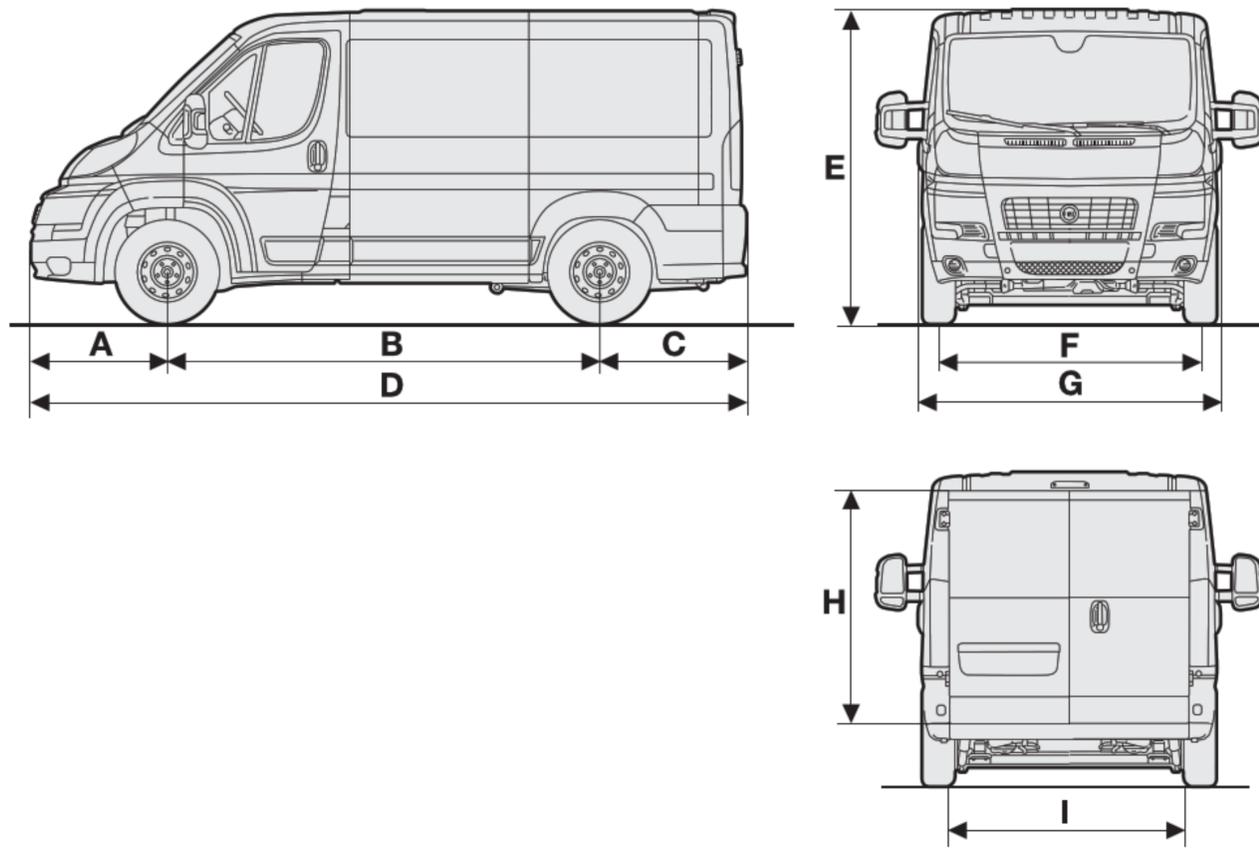


fig. 5

FON0115m

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Versions	Van			
	CHI	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	2254/2522	2522/2760	2522/2760
F	1810	1810	1810	1810
G	2050	2050	2050	2050
H	–	–	–	–
I	1790	1790	1790	1790

Dimensions vary according to the version, within the limits indicated above

## TRUCK VERSION

Dimensions are expressed in mm and refer to the vehicle fitted with standard tyres.

Height is intended on an unladen vehicle.

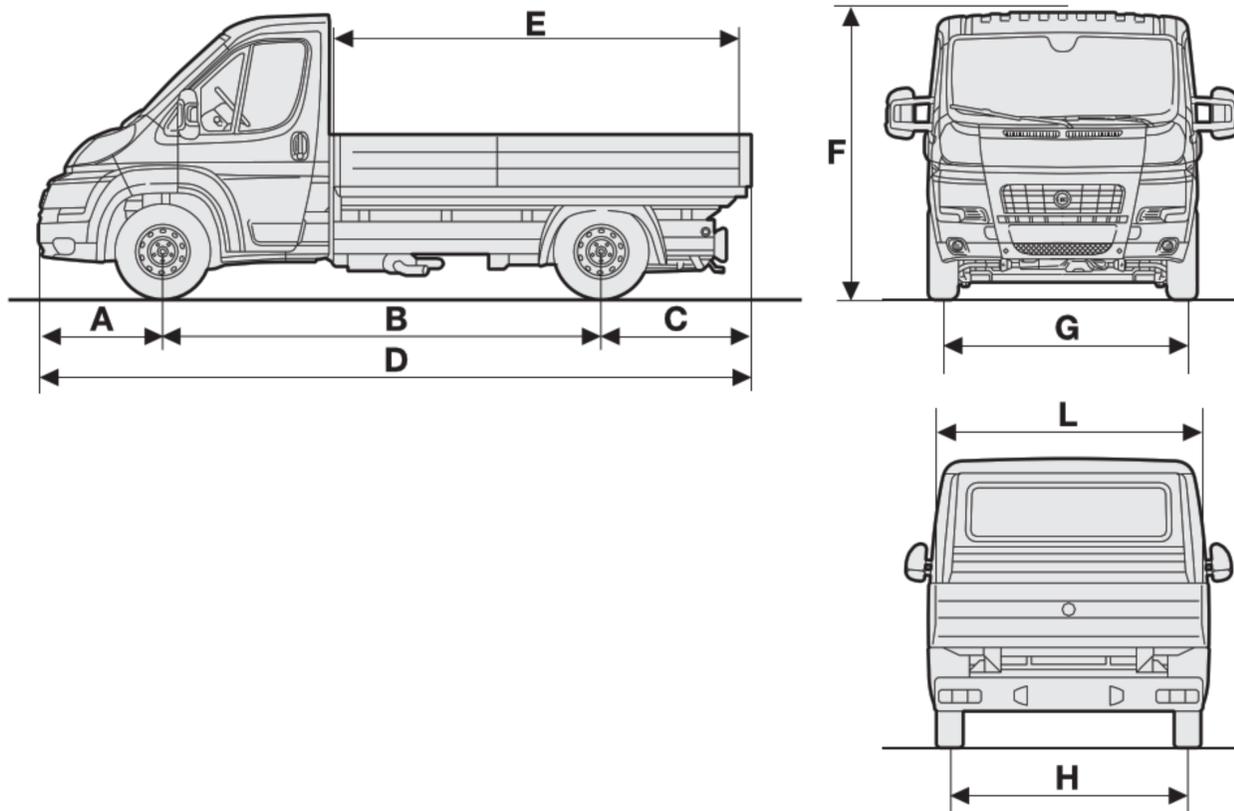


fig. 6

FON0116m

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Versions	Body				Chassis-cab chassis			
	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	1390	1390	1247	1756	960	960	960	1325
D	5338	5789	6230	6739	4908	5358/5708	5943	6308
E	2798	3248	3833	4198	–	–	–	–
F	2254	2254	2254	2254	2254÷3500	2254÷3500	2254÷3500	2254÷3500
G	1810	1810	1810	1810	1810	1810	1810	1810
H	1790	1790	1790	1730	1790÷1980	1790÷1980	1790÷1980	1790÷1980
L	2100	2100	2100	2100	2050÷2207	2050÷2207	2050÷2207	2050÷2207

Dimensions vary according to the version, within the limits indicated above

Versions	Chassis cowl chassis				Chassis-cab special			
	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	6185	4808	5278/5628	5863	6228
E	–	–	–	–	–	–	–	–
F	3500 (Max)	3500 (Max)	3500 (Max)	3500 (Max)	2254÷3500	2254÷3500	2254÷3500	2254÷3500
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÷2350	2050÷2350	2050÷2350	2050÷2350	2050÷2350	2050÷2350	2050÷2350	2050÷2350

Dimensions vary according to the version, within the limits indicated above

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Versions	Chassis cowl special			
	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
E	–	–	–	–
F	3500 (Max)	3500 (Max)	3500 (Max)	3500 (Max)
G	1810	1810	1810	1810
H	1790÷1980	1790÷1980	1790÷1980	1790÷1980
L	2050÷2350	2050÷2350	2050÷2350	2050÷2350

Dimensions vary according to the version, within the limits indicated above

## PERFORMANCE

Top speeds allowable after running in km/h.

		2.2 Multijet 100 HP	2.3 Multijet 120 HP	2.3 Multijet 130 HP
VAN	CHI-MHI	140	155	–
	MH2-LH2 XLH2	135	150	–
	LH3-XLH3	130	145	–
CHASSIS CAB/ CHASSIS COWL (excluding free time)	CHI	140	155	160
	MHI-MLHI	140	155	160
	LHI-XLHI	140	155	160
CHASSIS CAB/ CHASSIS COWL (excluding free time)	CHI	140	152	152
	MHI-MLHI	140	152	152
	LHI-XLHI	140	152	152

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## VAN WEIGHTS

### Weights (kg) Versions 3,000 kg capacity

	2.2 Multijet 100 HP	2.3 Multijet 120 HP
Kerb weight (including fuel, spare wheel, tools and accessories):	1845 ÷ 1910	1860 ÷ 1925
Payload (*) including the driver:	758 ÷ 905	808 ÷ 890
Maximum admitted loads (**)		
– front axle:	1600	1600
– rear axle:	1600	1600
– total:	3000	3000
Towable loads		
– trailer with brakes:	2000	2500
– trailer without brakes:	750	750
Maximum load on tow hitch (trailer with brakes):	120	120

(\*) If special equipment is fitted (tow hitch, etc.), the unladen vehicle weight increases, thus reducing the specified payload.

(\*\*) Loads not to be exceeded. The driver is responsible for arranging the loads so that they comply with these limits.

## VAN WEIGHTS

### Weights (kg) Versions 3,300 kg capacity

	2.2 Multijet 100 HP	2.3 Multijet 120 HP
Kerb weight (including fuel, spare wheel, tools and accessories):	1845 ÷ 1985	1860 ÷ 2000
Payload (*) including the driver:	1058 ÷ 1205	1043 ÷ 1150
Maximum admitted loads (**)		
– front axle:	1750	1750
– rear axle:	1900	1900
– total:	3300	3300
Towable loads		
– trailer with brakes:	2000	2500
– trailer without brakes:	750	750
Maximum load on tow hitch (trailer with brakes):	120	120

(\*) If special equipment is fitted (tow hitch, etc.), the unladen vehicle weight increases, thus reducing the specified payload.

(\*\*) Loads not to be exceeded. The driver is responsible for arranging the loads so that they comply with these limits.

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## VAN WEIGHTS

### Weights (kg) Versions 3,500 kg capacity

	2.2 Multijet 100 HP	2.3 Multijet 120 HP
Kerb weight (including fuel, spare wheel, tools and accessories):	1845 ÷ 1985	1860 ÷ 2000
Payload (*) including the driver:	1183 ÷ 1405	1168 ÷ 1390
Maximum admitted loads (**)		
– front axle:	1850	1850
– rear axle:	2000	2000
– total:	3500	3500
Towable loads		
– trailer with brakes:	2000	2500
– trailer without brakes:	750	750
Maximum load on tow hitch (trailer with brakes):	120	120

(\*) If special equipment is fitted (tow hitch, etc.), the unladen vehicle weight increases, thus reducing the specified payload.

(\*\*) Loads not to be exceeded. The driver is responsible for arranging the loads so that they comply with these limits.

## TRUCK BODY WEIGHTS (2/3 SEATS)

Weights (kg) Versions 3,000 kg capacity	2.2 Multijet 100 HP	2.3 Multijet 120 HP
Kerb weight (including fuel, spare wheel, tools and accessories):	1795 ÷ 1840	1810 ÷ 1855
Payload (*) including the driver:	868 ÷ 985	858 ÷ 970
Maximum admitted loads (**)		
– front axle:	1600	1600
– rear axle:	1600	1600
– total:	3000	3000
Towable loads		
– trailer with brakes:	2000	2500
– trailer without brakes:	750	750
Maximum load on tow hitch (trailer with brakes):	120	120

(\*) If special equipment is fitted (tow hitch, etc.), the unladen vehicle weight increases, thus reducing the specified payload.

(\*\*) Loads not to be exceeded. The driver is responsible for arranging the loads so that they comply with these limits.

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## TRUCK BODY WEIGHTS (2/3 SEATS)

### Weights (kg) Versions 3,300 kg capacity

	2.2 Multijet 100 HP	2.3 Multijet 120 HP
Kerb weight (including fuel, spare wheel, tools and accessories):	1795 ÷ 1895	1810 ÷ 1910
Payload (*) including the driver:	1098 ÷ 1285	1133 ÷ 1270
Maximum admitted loads (**)		
– front axle:	1750	1750
– rear axle:	1900	1900
– total:	3300	3300
Towable loads		
– trailer with brakes:	2000	2500
– trailer without brakes:	750	750
Maximum load on tow hitch (trailer with brakes):	120	120

(\*) If special equipment is fitted (tow hitch, etc.), the unladen vehicle weight increases, thus reducing the specified payload.

(\*\*) Loads not to be exceeded. The driver is responsible for arranging the loads so that they comply with these limits.

## TRUCK BODY WEIGHTS (2/3 SEATS)

Weights (kg) Versions 3,500 kg capacity	2.2 Multijet 100 HP	2.3 Multijet 120 HP
Kerb weight (including fuel, spare wheel, tools and accessories):	1795 ÷ 1895	1810 ÷ 1910
Payload (*) including the driver:	1278 ÷ 1445	1278 ÷ 1445
Maximum admitted loads (**)		
– front axle:	1850	1850
– rear axle:	2000	2000
– total:	3500	3500
Towable loads		
– trailer with brakes:	2000	2500
– trailer without brakes:	750	750
Maximum load on tow hitch (trailer with brakes):	120	120

(\*) If special equipment is fitted (tow hitch, etc.), the unladen vehicle weight increases, thus reducing the specified payload.

(\*\*) Loads not to be exceeded. The driver is responsible for arranging the loads so that they comply with these limits.

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## CHASSIS-CAB CHASSIS WITH FLOOR WEIGHTS (2/3 SEATS)

Weights (kg) Versions 3,000 kg capacity	2.2 Multijet 100 HP	2.3 Multijet 120 HP
Kerb weight (including fuel, spare wheel, tools and accessories):	1580 ÷ 1600	1595 ÷ 1615
Payload (*) including the driver:	1168 ÷ 1270	1153 ÷ 1255
Maximum admitted loads (**)		
– front axle:	1600	1600
– rear axle:	1600	1600
– total:	3000	3000
Towable loads		
– trailer with brakes:	2000	2500
– trailer without brakes:	750	750
Maximum load on tow hitch (trailer with brakes):	120	120

(\*) If special equipment is fitted (tow hitch, etc.), the unladen vehicle weight increases, thus reducing the specified payload.

(\*\*) Loads not to be exceeded. The driver is responsible for arranging the loads so that they comply with these limits.

## CHASSIS-CAB CHASSIS WITH FLOOR WEIGHTS (2/3 SEATS)

Weights (kg) Versions 3,300 kg capacity	2.2 Multijet 100 HP	2.3 Multijet 120 HP
Kerb weight (including fuel, spare wheel, tools and accessories):	1580 ÷ 1615	1595 ÷ 1630
Payload (*) including the driver:	1453 ÷ 1570	1438 ÷ 1555
Maximum admitted loads (**)		
– front axle:	1750	1750
– rear axle:	1900	1900
– total:	3300	3300
Towable loads		
– trailer with brakes:	2000	2500
– trailer without brakes:	750	750
Maximum load on tow hitch (trailer with brakes):	120	120

(\*) If special equipment is fitted (tow hitch, etc.), the unladen vehicle weight increases, thus reducing the specified payload.

(\*\*) Loads not to be exceeded. The driver is responsible for arranging the loads so that they comply with these limits.

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## CHASSIS-CAB CHASSIS WITH FLOOR WEIGHTS (2/3 SEATS)

Weights (kg) Versions 3,500 kg capacity	2.2 Multijet 100 HP	2.3 Multijet 120 HP
Kerb weight (including fuel, spare wheel, tools and accessories):	1580 ÷ 1615	1595 ÷ 1630
Payload (*) including the driver:	1653 ÷ 1770	1638 ÷ 1755
Maximum admitted loads (**)		
– front axle:	1850	1850
– rear axle:	2000	2000
– total:	3500	3500
Towable loads		
– trailer with brakes:	2000	2500
– trailer without brakes:	750	750
Maximum load on tow hitch (trailer with brakes):	120	120

(\*) If special equipment is fitted (tow hitch, etc.), the unladen vehicle weight increases, thus reducing the specified payload.

(\*\*) Loads not to be exceeded. The driver is responsible for arranging the loads so that they comply with these limits.

## CHASSIS-CAB CHASSIS WEIGHTS (2/3 SEATS)

Weights (kg) Versions 3,000 kg capacity	2.2 Multijet 100 HP (□)	2.2 Multijet 100 HP (▼)	2.3 Multijet 120 HP (□)	2.3 Multijet 120 HP (▼)
Kerb weight (including fuel, spare wheel, tools and accessories):	1590 ÷ 1630	1545 ÷ 1560	1605 ÷ 1645	1560 ÷ 1575
Payload (*) including the driver:	1138 ÷ 1260	1208 ÷ 1305	1123 ÷ 1245	1193 ÷ 1290
Maximum admitted loads (**)				
– front axle:	1600	1600	1600	1600
– rear axle:	1600	1600	1600	1600
– total:	3000	3000	3000	3000
Towable loads				
– trailer with brakes:	2000	2000	2500	2500
– trailer without brakes:	750	750	750	750
Maximum load on tow hitch (trailer with brakes):	120	120	120	120

(□) Chassis version

(▼) Special version

(\*) If special equipment is fitted (tow hitch, etc.), the unladen vehicle weight increases, thus reducing the specified payload.

(\*\*) Loads not to be exceeded. The driver is responsible for arranging the loads so that they comply with these limits.

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## CHASSIS-CAB CHASSIS WEIGHTS (2/3 SEATS)

Weights (kg) Versions 3,300 kg capacity	2.2 Multijet 100 HP (□)	2.2 Multijet 100 HP (▼)	2.3 Multijet 120 HP (□)	2.3 Multijet 120 HP (▼)	2.3 Multijet 130 HP (□)	2.3 Multijet 130 HP (▼)
Kerb weight (including fuel, spare wheel, tools and accessories):	1590 ÷ 1630	1545 ÷ 1560	1605 ÷ 1645	1560 ÷ 1575	1605 ÷ 1655	1560 ÷ 1580
Payload (*) including the driver:	1428 ÷ 1560	1508 ÷ 1605	1423 ÷ 1545	1488 ÷ 1590	1413 ÷ 1545	1493 ÷ 1590
Maximum admitted loads (**)						
– front axle:	1750	1750	1750	1750	1750	1750
– rear axle:	1900	1900	1900	1900	1900	1900
– total:	3300	3300	3300	3300	3300	3300
Towable loads						
– trailer with brakes:	2000	2000	2500	2500	2500	2500
– trailer without brakes:	750	750	750	750	750	750
Maximum load on tow hitch (trailer with brakes):	120	120	120	120	120	120

(□) Chassis version

(▼) Special version

(\*) If special equipment is fitted (tow hitch, etc.), the unladen vehicle weight increases, thus reducing the specified payload.

(\*\*) Loads not to be exceeded. The driver is responsible for arranging the loads so that they comply with these limits.

## CHASSIS-CAB CHASSIS WEIGHTS (2/3 SEATS)

Weights (kg) Versions 3,500 kg capacity	2.2 Multijet 100 HP (□)	2.2 Multijet 100 HP (▼)	2.3 Multijet 120 HP (□)	2.3 Multijet 120 HP (▼)	2.3 Multijet 130 HP (□)	2.3 Multijet 130 HP (▼)
Kerb weight (including fuel, spare wheel, tools and accessories):	1590 ÷ 1630	1545 ÷ 1560	1605 ÷ 1645	1560 ÷ 1580	1605 ÷ 1645	1560 ÷ 1580
Payload (*) including the driver:	1628 ÷ 1760	1703 ÷ 1805	1613 ÷ 1745	1688 ÷ 1790	1613 ÷ 1745	1688 ÷ 1790
Maximum admitted loads (**)						
– front axle:	1850	1850	1850	1850	1850	1850
– rear axle:	2000	2000	2000	2000	2000	2000
– total:	3500	3500	3500	3500	3500	3500
Towable loads						
– trailer with brakes:	2000	2000	2500	2500	2500	2500
– trailer without brakes:	750	750	750	750	750	750
Maximum load on tow hitch (trailer with brakes):	120	120	120	120	120	120

(□) Chassis version

(▼) Special version

(\*) If special equipment is fitted (tow hitch, etc.), the unladen vehicle weight increases, thus reducing the specified payload.

(\*\*) Loads not to be exceeded. The driver is responsible for arranging the loads so that they comply with these limits.

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## CAPACITIES

		2.2 Multijet 100 HP	2.3 Multijet 120 HP	2.3 Multijet 130 HP	Recommended fuels and genuine lubricants
Fuel tank:	litres	90 (*)	90 (*)	90 (*)	Diesel fuel for motor vehicles (EN590 Specification)
including a reserve of:	litres	10/12	10/12	10/12	
Engine cooling system:	litres	11 (▼)	11 (▼)	11 (▼)	Mixture of 50% water and <b>PARAFLU UP</b>
Engine sump:	litres	5.88	5.9	5.9	(●)
Engine sump and filter:	litres	6.38	6.5	6.5	
Gearbox/ differential casing:	litres	2.4	2.7	2.7	<b>TUTELA CAR MATRYX</b>
Hydraulic brake circuit:					<b>TUTELA TOP 4</b>
ABS:	litres	0.6	0.6	0.6	
ASR/ESP:	litres	0.62	0.62	0.62	
Hydraulic power steering	litres	1.5	1.5	1.5	<b>TUTELA CAR GI/E</b>
Windscreen and rear window fluid reservoir:	litres	5.5	5.5	5.5	Mixture of water and <b>TUTELA PROFESSIONAL SC 35</b>
with headlight washer:	litres	5.5	5.5	5.5	

(\*) For all versions it is possible to request 120 litre tank.  
On "Free time" versions it is possible to request 60 litre tank.

(▼) With Webasto: 11.15 litres  
Heater under the seat 600cc: 11.6 litres  
Rear heater 900cc: 11.9 litres

(●) Ask Fiat Dealership for the appropriate Tutela product.

# FLUIDS AND LUBRICANTS

## RECOMMENDED PRODUCTS AND THEIR SPECIFICATIONS

Use	Fluid and lubricant specifications for correct vehicle operation	Genuine fluids and lubricants	Change intervals
Oils for diesel engines	Synthetic-based engine oils, grade SAE 5W- 40, <b>FIAT 9.55535- N2 qualification</b>	<b>SELENIA WR</b>	As per Service Schedule

Should non-genuine SAE 5W-40 products be used, lubricants with minimum ACEA B4 properties are tolerated; in this event top engine performance is not guaranteed.

Using low-quality products, not compliant with ACEA B4 properties and specifications could cause engine damages not covered by warranty.

For very cold temperatures, consult Fiat Dealership for the proper **Selenia** product to use.

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Use	Fluid and lubricant quality specifications for correct vehicle operation	Genuine fluids and lubricants	Applications
	-	(●)	Mechanical gearbox and differential
Lubricants and greases for transmission	Molibdenum disulphide, lithium soap based grease. NL.GI. 2 consistency	<b>TUTELA STAR 500</b>	CV joints on wheel side
	Lithium soap based grease. NL.GI. 0 consistency	<b>TUTELA MRM ZERO</b>	CV joints on differential side
	Poly-urea oil synthetic-based grease suitable for high temperatures. NL.GI. 2 consistency	<b>TUTELA STAR 325</b>	CV joints on differential side
	Lubricant for power steering and automatic transmissions that passes ATF DEXRON III specifications	<b>TUTELA GI/E</b>	Hydraulic power steering
Brake fluids	Synthetic fluid FMVSS no. 116 DOT 4, ISO 4925 SAE J1704, CUNA NC 956- 01	<b>TUTELA TOP 4</b>	Brake and clutch hydraulic controls
Protective agent for radiators	Protective with antifreeze action, red colour based on inhibited monoethylen glycol and organic formula, that passes CUNA NC 956-16, ASTM D 3306 specifications	<b>PARAFU UP (*)</b>	Cooling circuits, proportion: 50% water and 50% PARAFU UP
Windscreen/ rear window washer fluid	Mixture of alcohol, water and surfactants CUNA NC 956-II	<b>TUTELA PROFESSIONAL SC 35</b>	To be used diluted or undiluted in windscreen/rear window washer/wiper systems

(\*) IMPORTANT Do not top up or mix with fluids having characteristics different from those specified.  
 (●) Ask Fiat Dealership for the appropriate Tutela product.

## 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 accelerating in all gears, simulating extraurban use of the vehicle; the speed varies between 0 and 120 km/h;
- combined consumption: is calculated weighing about 37% of urban cycle consumption and about 63% of extraurban consumption.

**IMPORTANT** The type of route, traffic situations, weather conditions, driving style, general conditions of the vehicle, trim level/equipment/accessories, load, climate control system, roof rack, other situations that affect air drag may lead to different fuel consumption levels than those measured.

### Fuel consumption according to Directive 1999/100/EC (litres x 100 km)

Versions	Urban	Extra-urban	Combined
2.2 Multijet	(*)	(*)	(*)
2.3 Multijet	(*)	(*)	(*)

(\*) Values not available for the present.

## CO<sub>2</sub> EMISSIONS

The CO<sub>2</sub> emission levels at the exhaust given in the following tables refer to combined consumption.

Versions	CO <sub>2</sub> emissions according to 1999/100/CE Directive (g/km)
2.2 Multijet	(*)
2.3 Multijet	(*)

(\*) Values not available for the present.

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# SELENIA<sup>®</sup>

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For further information on Selenia products visit the web site [www.fl-selenia.com](http://www.fl-selenia.com).

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## COLD TYRE PRESSURE (bar)

Tyres	Use	Front	Rear
215/70 R15	3000 PTT(*) Light	4.0 ± 0.05	4.0 ± 0.05
	3000 PTT(*) Light / 3500 PTT(*) Light	4.1 ± 0.05	4.5 ± 0.05
225/70 R15 Camping	3000 PTT(*) Light with oversize tyres	4.0 ± 0.05	4.0 ± 0.05
	3000 PTT(*) Light / 3500 PTT(*) Light with oversize tyres	4.1 ± 0.05	4.5 ± 0.05
215/70 R15	Light range with Camping tyres	5.0 ± 0.05	5.5 ± 0.05
215/75 R16	3500 PTT(*) Heavy / 4000 PTT(*) Heavy	4.5 ± 0.05	5.0 ± 0.05
225/75 R16	3500 PTT(*) Heavy / 4000 PTT(*) Heavy with oversize tyres	4.5 ± 0.05	5.0 ± 0.05
	Heavy range with Camping tyres	5.5 ± 0.05	5.5 ± 0.05

Add +0.3 bar to the prescribed inflation pressure when the tyres are warm. Recheck pressure value with cold tyres  
With snow tyres, add +0.2 bar to the inflation pressure value prescribed for standard tyres.

## ENGINE OIL CHANGE

	2.2 Multijet 100 HP	2.3 Multijet 120 HP	2.3 Multijet 130 HP
	litres	litres	litres
Engine sump and filter	6.38	6.5	6.5

## FUEL CAPACITIES (litres)

	2.2 Multijet - 2.3 Multijet
Tank capacity	90 (*)
Reserve	10 / 12

Refuel diesel engines with diesel fuel for motor vehicles only (EN 590 Specifications)

(\*) For all versions it is possible to request 120 litre tank.

On "Free time" versions it is possible to request 60 litre tank



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