FIAT SCUDO

OWNER HANDBOOK

Dear Customer,

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

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

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 SCUDO 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

Only refuel with diesel fuel for motor vehicles conforming to the European specification EN590.

Using other products or mixtures may damage the engine beyond repair and cause the forfeiture of the warranty cover for caused damages as a consequence.

STARTING THE ENGINE

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 **M** and wait for the warning lights and to go off; turn the ignition key to **D** and release it as soon as the engine has started.

PARKING OVER INFLAMMABLE 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 HANDBOOK 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 controls, instruments, gauges and warning lights may vary according to the vehicle version.

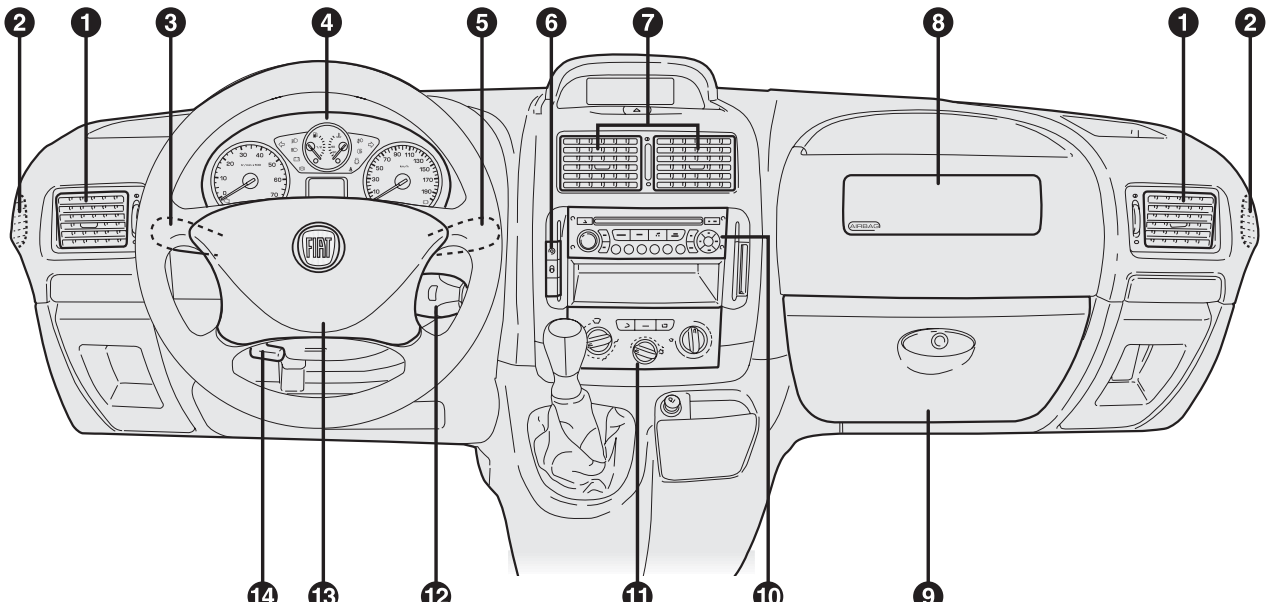


fig. 1

1. Side swivel air vents - **2.** Side fixed air vents - **3.** Left steering column stalk: external lights - **4.** Instrument panel - **5.** Right steering column stalk: windscreen, rear window and trip computer controls - **6.** Dashboard controls - **7.** Center swivel air vents - **8.** Front passenger air bag (where provided) - **9.** Glovebox - **10.** Sound system (where provided) - **11.** Heating/ventilation/climate controls - **12.** Sound system command lever (where provided) - **13.** Front driver's air bag - **14.** Steering wheel adjustment lever

SYMBOLS

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

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 **M**, 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 **S**, the Fiat CODE system deactivates the functions of the engine electronic control unit.

In this case, the key should be moved to **S** and then back to **M**; 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.

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

THE KEYS

CODE CARD fig. 2

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.

Make sure you have the electronic code **A-fig. 2** with you at all times.

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

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

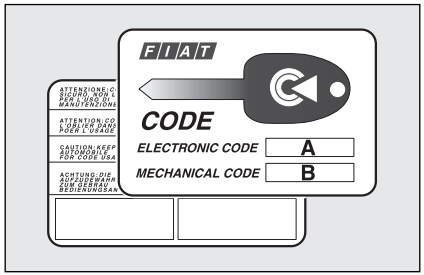


fig. 2 F0P0003m

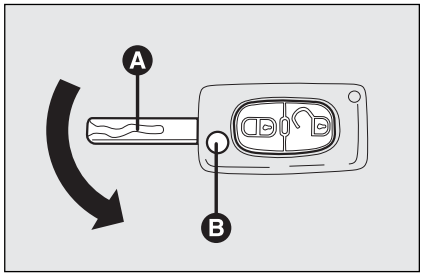


fig. 3 F0P0004m

KEY WITH REMOTE CONTROL fig. 3/a

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

❒ ignition switch;

❒ door locks;

❒ fuel filler cap locking/unlocking.

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

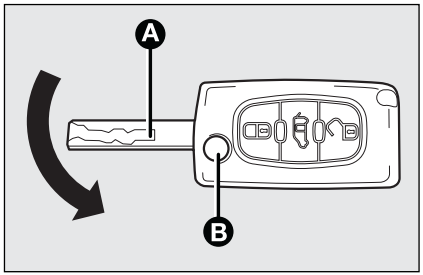


fig. 3a F0P0321m

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 spoilt (e.g. clothes). Make sure the key can never be touched by others, especially children, who may inadvertently press the button.

Passenger compartment Unlocking

By first pressing on this button, it allows you to unlock the vehicle passenger compartment doors.
The direction indicator lamps flash twice.
By pressing a second time, it allows the unlocking of one or more side doors as well as the rear doors.
This selective opening function is activated upon the delivery of the vehicle.
Upon request, it is possible to deactivate the selective opening procedure between the passenger compartment and the loading compartment. Please seek advice from the Fiat Dealership.

Unlocking of loading compartment

By pressing this button all rear doors are unlocked.
This separation of the locks between passenger compartment and loading compartment is a safety device which allows the closure of the vehicle accesses of the area from which one is absent.

Centralised locking

By pressing on this command, it allows the locking of the passenger compartment and rear doors. The direction indicator lamps flash once.

If one of the front doors is open or not properly closed, central locking cannot take place.

Dead Lock (where required)

Where provided, pressing twice the remote control button five seconds after locking the doors will activate the dead lock (super-locking of the doors).

Dead lock activation is indicated by direction indicators coming on with fixed light for about two seconds.

The dead lock disables the internal and external handles of the doors.

WARNING

Never leave passengers inside the vehicle when the dead lock is active.

IMPORTANT If the dead lock is activated from the inside of the vehicle, this will turn to a simple locking upon starting the engine.

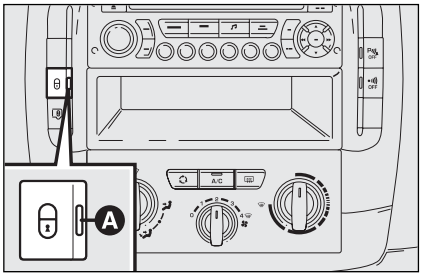


fig. 4

Dashboard led indications

When locking the doors, led **A-fig. 4** will start flashing (deterrence function).

Once doors are locked if one or more doors are not closed correctly, the instrument panel warning light will turn on.

Request for additional remote controls

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

Replacing the battery of the key with remote control

Battery replacement:

❒ separate the two casings **A** and **B-fig. 6**, by levering in the point shown by the arrow in **fig. 5**;

❒ take out the battery and replace it **C-fig. 6**;

❒ refit both casings, make sure they lock into place;

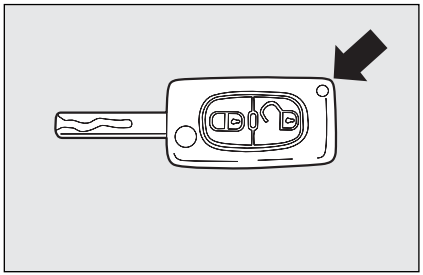


fig. 5 F0P0007m

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.

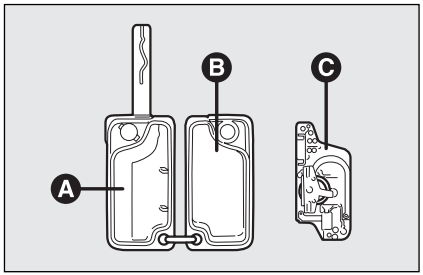


fig. 6 F0P0008m

Re-initialisation of the remote control set

After the substitution of batteries or the disconnection of the battery (vehicle), it is necessary to re-initialise the remote control set:

❒ Wait at least a minute before using the remote control set and put it in position **A**.

❒ Insert the key with the remote control set into the starting switch.

❒ Within ten seconds, press one of the two buttons (or) for at least 5 seconds.

❒ Take the key with the remote control set from the starting switch.

❒ Wait at least a minute before using the remote control. The remote control set works once more.

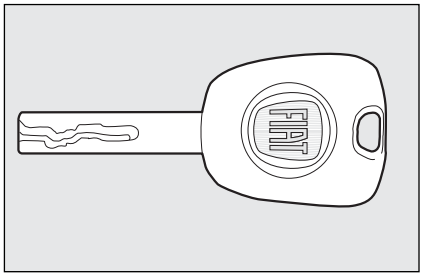


fig. 7 F0P0601m

KEY WITHOUT REMOTE CONTROL fig. 7

The metal insert of the key **A** is fixed.

The key operates:

❒ ignition switch;

❒ door locks;

❒ fuel filler cap locking/unlocking.

ALARM (where provided)

If the vehicle is equipped with alarm, the following two types of protection can be activated:

❒ perimetrical (alarm active in case of a front/back door or the engine bonnet opening);

❒ volumetric protection (alarm on if the volume inside the passenger compartment changes).

Activation (complete volumetric and perimetrical alarm)

❒ Take the key from the switch

❒ Get out of the vehicle

❒ Press the button (dead lock - once or twice)

❒ The deterrence led starts to flash.

Activation (only perimetrical alarm)

❒ Take the key from the switch

❒ Within 10 seconds press the button **fig. 7a** keeping it pressed down until the deterrence led remains switched on.

❒ Get out of the vehicle.

❒ Press the button (dead lock - once or twice).

❒ The deterrence led starts to flash.

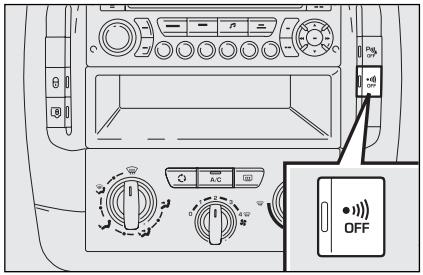


fig. 7a F0P0062m

Alarm deactivation

In order to deactivate the alarm, press the button, the deterrence led will switch off.

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)	Tailgate opening (where provided)	Window opening (where provided)	Window closing (where provided)
Key without remote control	Key turning counterclockwise (driver side and side sliding door, where provided)	Key turning clockwise (driver side and side sliding door, where provided)	–	–	–	–
Key with remote control	Key turning counterclockwise (driver side and side sliding door, where provided)	Key turning clockwise (driver side and side sliding door, where provided)	–	–	–	–
	Press briefly button	Press briefly button	Double pressing on 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

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. 8**:

❒ **S**: engine off, key can be removed, steering column locked.

❒ **A**: certain electrical devices can work.

❒ **M**: driving position. All electrical devices are powered.

❒ **D**: engine starting (unstable position).

WARNING

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

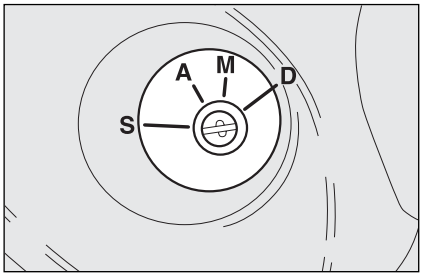


fig. 8 F0P0010m

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 **S**, remove the key and turn the steering wheel until it locks.

Disengaging

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

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 aftermarket 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

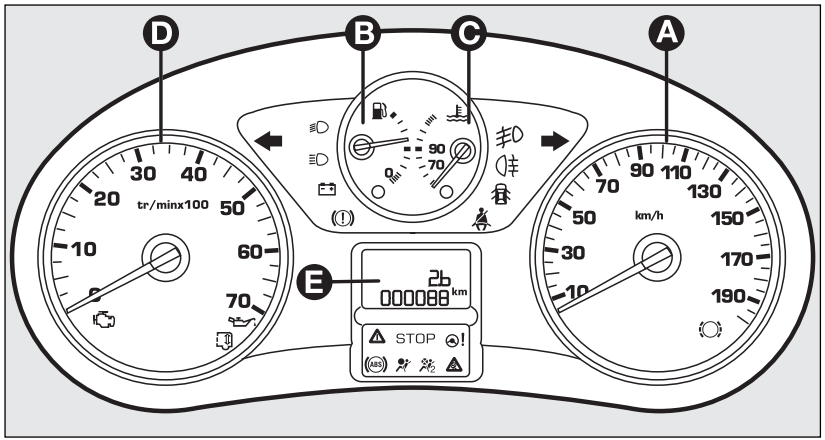


fig. 9

F0P0012m

A Speedometer (speed indicator)

B Fuel level gauge with reserve warning light

C Engine coolant temperature gauge and excessive temperature warning light

D Rev counter

E Multifunction display

INSTRUMENTS

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

SPEEDOMETER fig. 10

It shows the engine speed.

REV. COUNTER fig. 11/a

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 higher-ing 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.

FUEL LEVEL GAUGE B-fig. 11/b

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

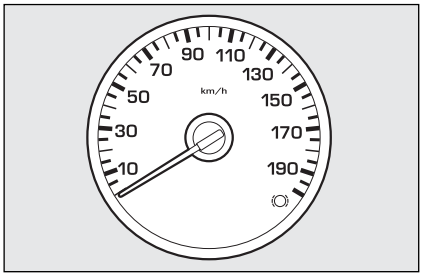


fig. 10 F0P0013m

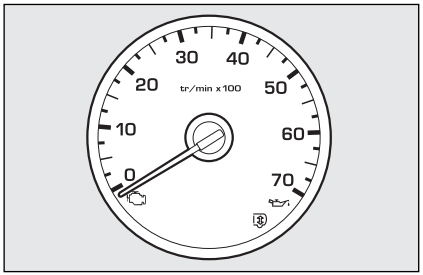


fig. 11/a F0P0014m

tank full (See the indications given in paragraph "At the filling station").

O tank empty.

The reserve warning light turns on to indicate that approximately 7 litres of fuel are left in the tank.

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

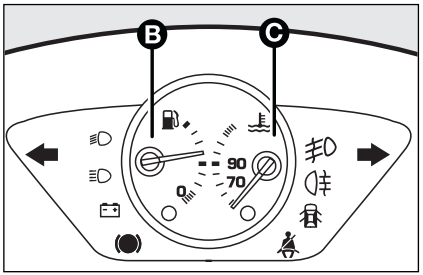


fig. 11/b F0P0320m

ENGINE COOLANT TEMPERATURE GAUGE C-fig. 11/b

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.

O Low engine coolant temperature.

High engine coolant temperature.

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

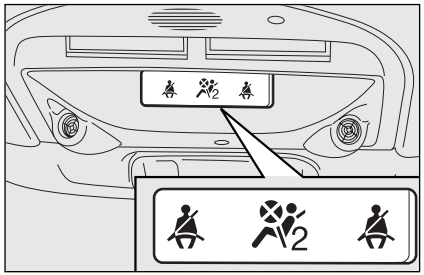


fig. 12 F0P0285m

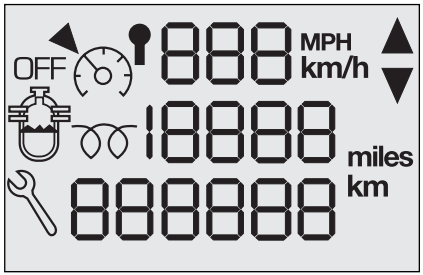


fig. 14 F0P0291m

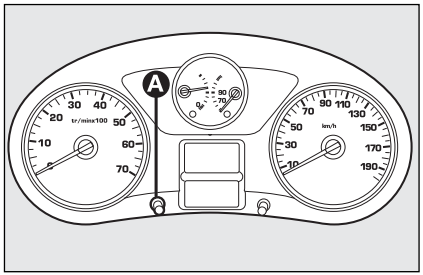


fig. 15 F0P0292m

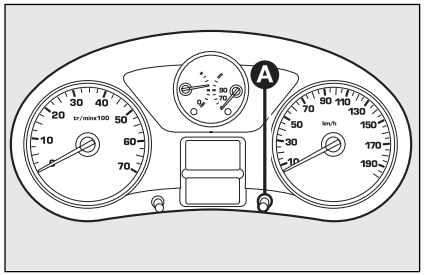


fig. 13 F0P0353m

Warning lights on the upper plate

On certain versions, the upper plate **fig. 12** (located above the driving mirror) can be fitted with the following warning lights:

❒ warning light indicating that the seat belt is not fastened (🙍) (version with two front seats).

❒ warning light indicating that the passenger air bag is off (🙍2)

INSTRUMENT PANEL BRIGHTNESS ADJUSTER

To adjust the instrument panel brightness: press button **A-fig. 13**

DISPLAY

The display **fig. 14** shows by the relevant warning lights (see section "Warning lights and messages"):

❒ speed limiter / control;

❒ total km / mi covered;

❒ engine oil level gauge;

❒ water in diesel fuel filter;

❒ glow plug preheating.

According to versions the display shows the time.

Setting the clock through the instrument panel display

To set the clock through the instrument panel display, use button **A-fig. 15** as follows:

❒ turning the button leftwards makes the minute value flash;

❒ turning the button rightwards will increase minute value (keep the button turned rightwards to speed up rolling);

❒ turning the button leftwards makes the hour value flash;

❒ turning the button rightwards will increase hour value (keep the button turned rightwards to speed up rolling);

❒ turning the button leftwards selects 24H or 12H mode display;

❒ turn the button rightwards to select the required mode;

❒ turn the button leftwards to stop clock setting.

If no other setting is made, after about 30 seconds the display will show the time according to the selected settings.

Setting the clock through the display on the central console

Certain versions are fitted with a central console with a display showing the time. To set the clock consult the trip computer under option "Set clock and date".

MAINTENANCE INDICATOR

It regulates the intervals between the maintenance operations based on vehicle use.

Functioning

As soon as the starting key is inserted and for a few seconds, the maintenance key lights up and which indicates the maintenance operations; the total odometer display indicates the number of kilometres {rounded down} which can be covered until the next maintenance operation. The maintenance expiry dates are calculated starting from the last resetting of the indicator.

This expiry date is determined by means of two parameters:

❒ the distance in kilometres covered

❒ time which has passed since the last maintenance operation.

The distance in kilometres which remains to be covered can be considered by the time factor, based on the driver's driving habits.

Maintenance expiry date over 1,000 km

Example: one can still travel 4,800 km before the next maintenance operation. After having turned the starting key to the **M** position and for a few seconds, the display indicates:

F0P0354m

A few seconds after having turned the starting key to the **M** position, the oil level is shown, therefore the total odometer works again and it indicates the total and daily amount of kilometres travelled.

Maintenance expiry date less than 1,000 km

After having turned the starting key to the **M** position and for a few seconds, the maintenance key flashes and the remaining number of kilometres is shown.

F0P0355m

OIL OK ENGINE OIL LEVEL INDICATOR

Turning the starting key to the **M** position, the instrument, after having shown the kilometres to be covered before the next maintenance operation, supplies the synchronised indication of the oil level present in the engine oil pan. The flashing of the word "OIL", accompanied by a beeping and by a message, indicates an insufficient quantity of oil in the engine. The flashing of the word "OIL –" indicates a problem with the engine oil sensor.

Maintenance Expiry date exceeded

F0P0356m

After having turned the starting key to the **M** position and for a few seconds, the maintenance key flashes and the number of kilometres travelled after the expiry date of the maintenance operation is shown.

When the engine is running, the maintenance key remains switch until the maintenance operation has been carried out.

Before the two expiry dates are reached: the maintenance key lights up also when the expiry date of two years has been exceeded.

TRIP COMPUTER

The trip computer enables to display in sequence, by pressing repeatedly button **fig. 16** set on the top of the steering column stalk, the following values:

range, instant consumption, distance to cover, trip 1 (trip distance, average consumption, average speed) and trip 2 (trip distance, average consumption, average speed).

This information is displayed on the display of the infotelematic CONNECT system.

Reset: press button shown in **fig. 16** for over 2 seconds for resetting.

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.

Instant consumption

This value shows average fuel consumption calculated during the last seconds of travel.

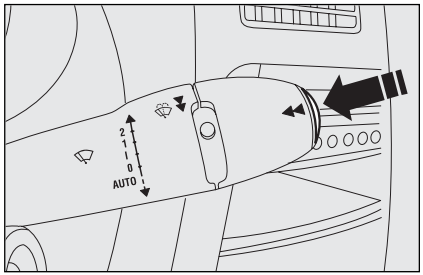


fig. 16 F0P0041m

Distance to cover

This value shows the distance to be covered yet, under active navigation condition.

Trip distance

This value shows the distance covered from the start of the journey, after resetting (Reset).

Average consumption

This value shows the average consumption from the start of the journey, after resetting (Reset).

Average speed

This value shows the vehicle average speed calculated from the start of the journey, after resetting (Reset).

FRONT SEATS

WARNING

Only make adjustments when the vehicle is stationary.

Fabric upholstery of your Fiat SCUDO 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.

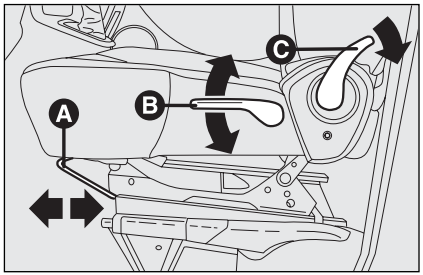


fig. 17 F0P0015m

Moving the seat backwards or forwards fig. 17

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. Once you have released the lever, check that the seat is firmly locked in the runners by trying to move it back and forth.

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.

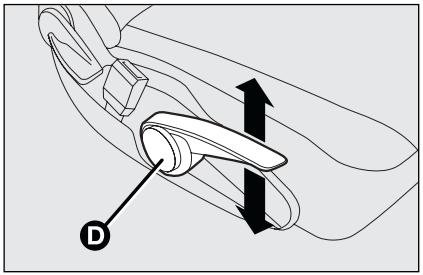


fig. 18 F0P0322m

Regulation of the height of the driver's seat fig. 17-18

Depending on the version and the configuration of the vehicle, it is equipped with:

- ❒ a passive regulation: pull lever **B** upwards, therefore get off the seat in order to allow it to rise.
- ❒ an active regulation: pull lever **D** upwards or downwards until the desired position is desired.

Back rest angle adjustment fig. 17

Use lever **C** and adjust the back rest.

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.

WARNING

Do not remove the seats or carry out servicing and/or repair operations since incorrect operations could impair the regular operation of safety devices: always contact Fiat Dealership.

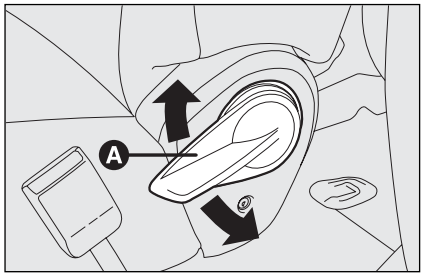


fig. 18/a F0P0016m

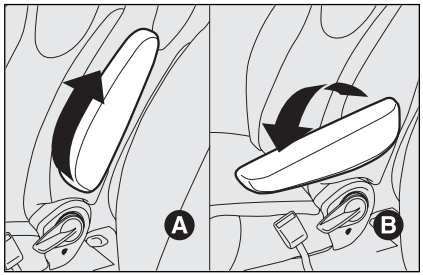


fig. 20 F0P0018m

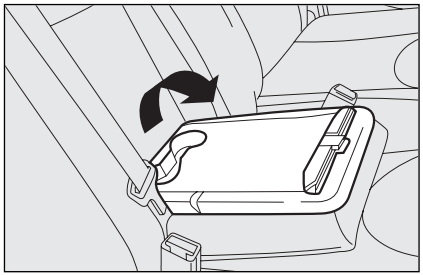


fig. 22 F0P0122m

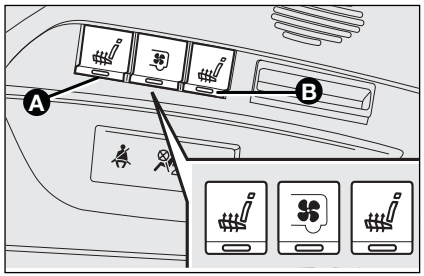


fig. 19 F0P0017m

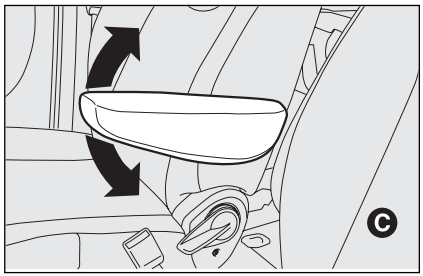


fig. 21 F0P0019m

Lumbar adjustment (where provided) fig. 18/a

Use lever **A** to adjust the seat as required.

Seat warming (where provided) fig. 19

With ignition key at **M**, press button **A** or **B** (driver's side or passenger's side) to switch the seat warming on/off. The led on the button will light up when the function is on.

FRONT ARMRESTS (where provided) fig. 20-21

Certain versions are fitted with two armrests between front seats.

To adjust the armrests proceed as follows:

- ❒ raise the armrest and bring it to position **A**;
- ❒ lower the armrest and bring it down to completely to position **B**;
- ❒ raise the armrest again and bring it to the required position **C**.

FRONT TWO-SEAT BENCH (where provided)

It is fix and it is fitted with three point belt and belt retractor.

It can be fitted with a folding shelf **fig. 22** to be used like supporting surface. Pull the tab to use it.

REAR SEATS

Single seat

This seat can be folded to facilitate access to the rear area and it can be removed.

Certain versions can be fitted with a shelf obtained in the back of the seat.

To use it, operate the release lever **A-fig. 23** and guide the seat back onto the cushion.

To remove and then to refit the seat keep the back rest firmly lowered and flattened against the cushion to prevent any contact between the seat articulation mechanisms.

Folding/removing the single seat

To fold the back of the seat pull handle **A-fig. 23** upwards.

To remove the seat proceed as follows:

❒ operate handle **A-fig. 24** and guide the seat forward as shown in the figure;

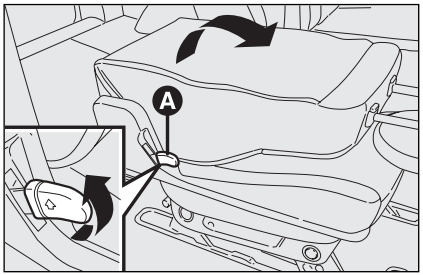


fig. 23 F0P0022m

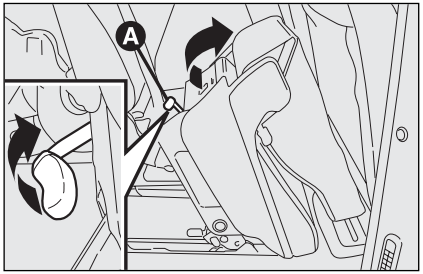


fig. 24 F0P0023m

❒ lift the seat to make the pins come out of their anchorings and then remove it taking care to keep the back rest firmly lowered and flattened against the cushion.

TWO-SEAT BENCH

According to versions it can be of different types:

❒ 2-seat bench with fix back rest;

❒ removable 2-seat bench with back rests wrapping individually;

❒ removable 2-seat bench with back rests folding individually or wrapping in "table" position.

FOLDING, REMOVING AND REFITTING THE REAR BENCH SEAT

WARNING

To remove and then to refit the bench seat, keep the back rest firmly lowered and flattened against the cushion to prevent any contact between the seat articulation mechanisms.

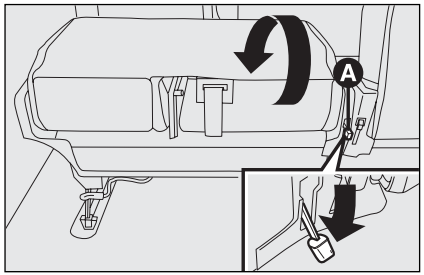


fig. 25 F0P0024m

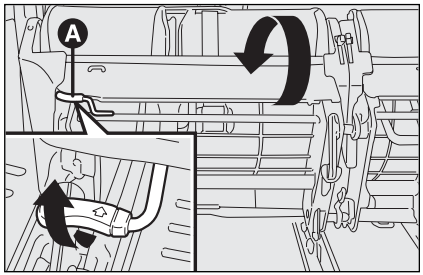


fig. 26 F0P0025m

To fold the back rest pull lever **A-fig. 25**.

To remove the seat proceed as follows:

– lower the head restraints completely;

– fold the back rest as described previously;

– lift lever **A-fig. 26** and fold the seat;

– lift the seat to make the pins come out of their anchorings and remove it taking care to keep the back rest firmly lowered and flattened against the cushion.

To refit the seat proceed as follows:

– lift the bench seat and secure the pins to their anchorings on the floor, make sure they lock properly into place;

– guide the bench seat until rear anchorings lock automatically.

WARNING

Make sure the floor anchoring seats are always clean; foreign matters could impair proper seat anchoring.

WARNING

Before starting to drive make sure all seats are facing the running direction and perfectly anchored. Only this position ensures the effectiveness of seat belts.

SEAT ARRANGEMENTS

Depending on the various versions it is possible to vary the seat arrangement using the relevant preset housings on the floor.

The following figures show some configurations that can be obtained according to the version requested.

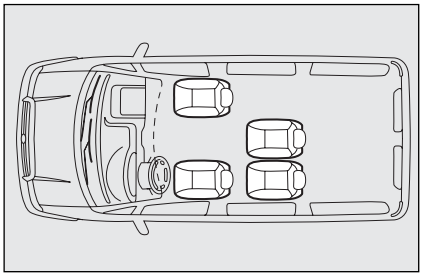


fig. 27 - 4 seats F0P0123m

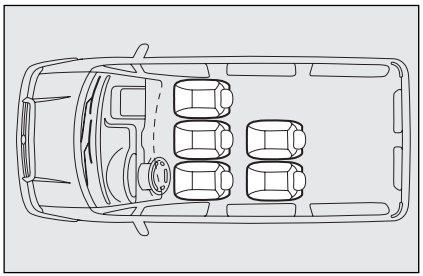


fig. 28 - 5 seats F0P0124m

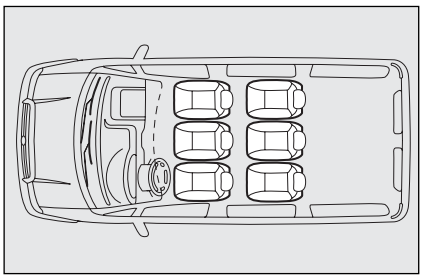


fig. 29 - 6 seats F0P0125m

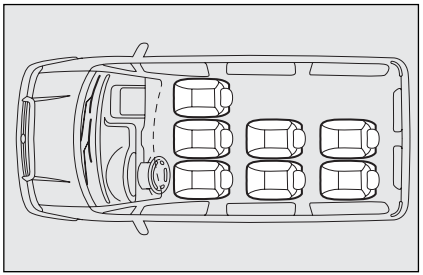


fig. 30 - 7 seats F0P0126m

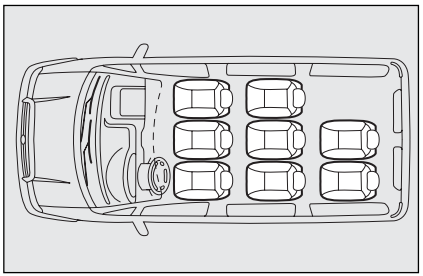


fig. 31 - 8 seats F0P0127m

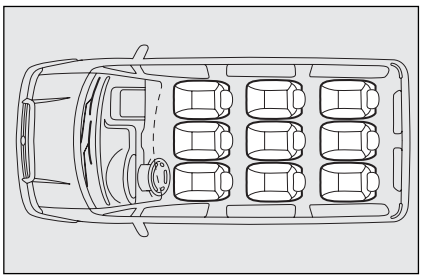


fig. 32 - 9 seats F0P0128m

IMPORTANT Following a different seat layout:

❒ if you take the head rest off, replace it ad fix it to a support

❒ check that the safety belts are still accessible and easy for the passenger to fasten

❒ a passenger must never travel without having correctly regulated the head rest or without having regulated and fastened the safety belt.

ATTENTION fig. 32/a

Whilst you are driving, it is forbidden to carry a passenger:

❒ in third row if the backboard placed in front (second row) is in the table position;

❒ in third row if the seat/coach placed in front (second row) is in a folded position;

❒ on the centre seat if the right side seat is in a folded position.

fig. 32/a F0P0323m

HEAD RESTRAINTS

To raise:

❒ raise the head restraint until hearing the locking click.

To lower:

❒ press buttons **A-fig. 33** or **A-fig. 34** and lower the head restraint.

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

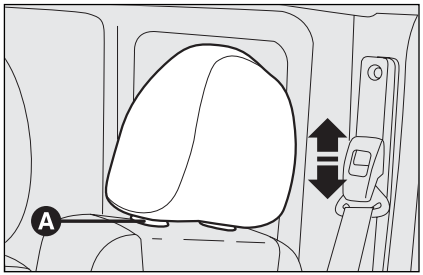


fig. 33 F0P0026m

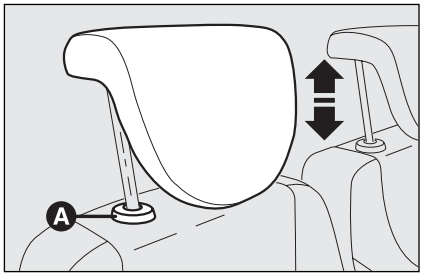


fig. 34 F0P0027m

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 driver can adjust the steering wheel position both axially and in height.

To adjust the armrests proceed as follows:

❒ release the lever **A-fig. 35** pushing it forwards (position 2);

❒adjust the steering wheel as required;

❒ lock the lever **A** pulling it towards the steering wheel (position 1).

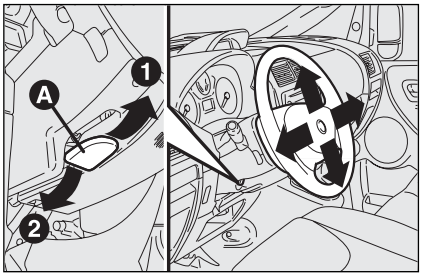


fig. 35 F0P0028m

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 aftermarket 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. 36

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

It can be adjusted through lever **A-fig. 36:**

❒ normal position

❒ antiglare position.

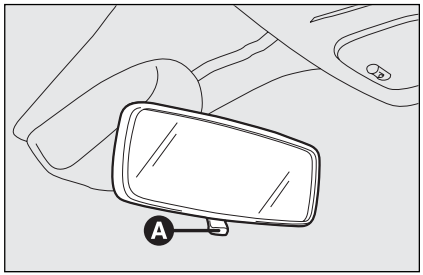


fig. 36 F0P0029m

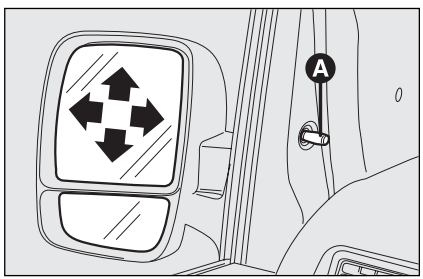


fig. 37 F0P0030m

DOOR MIRRORS

Manual adjustment fig. 37

Use knob **A**.

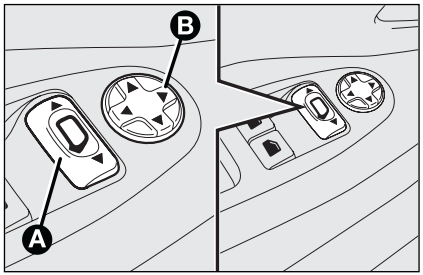


fig. 38 F0P0031m

Electrical adjustment fig. 38

The mirrors can only be adjusted electrically when the key is at **M**.

To adjust the armrests proceed as follows:

❒ use switch **A** to select the mirror required (left or right);

❒ to adjust the mirror move the switch **B** in the four directions;

Electrical folding fig. 38

It is possible only with the starting key in the **M** position.

Take switch **A** to the central position, therefore move switch **B** backwards.

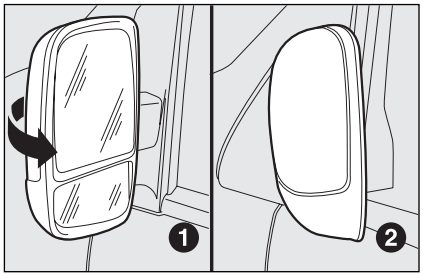


fig. 39 F0P0032m

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. 39** to position **2**.

When driving the mirrors shall always be in position 1-fig. 39.

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

The lower part of the external rear-view mirror on the driver's side, with it being curved, it slightly alters the perception of distance.

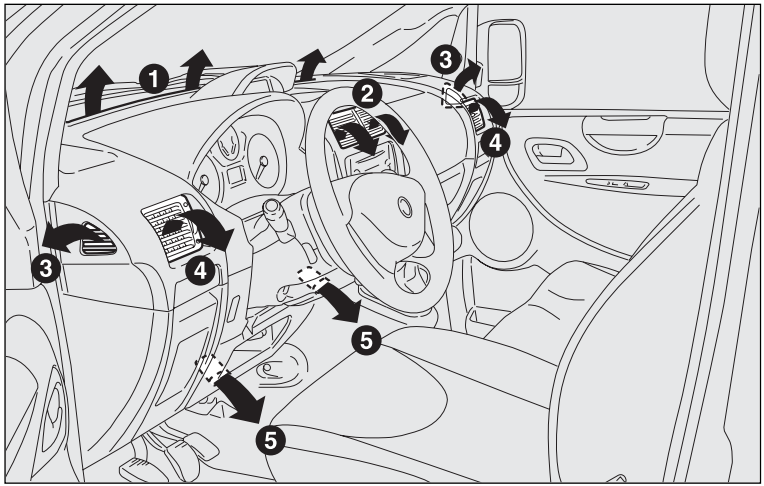


fig. 40 F0P0033m

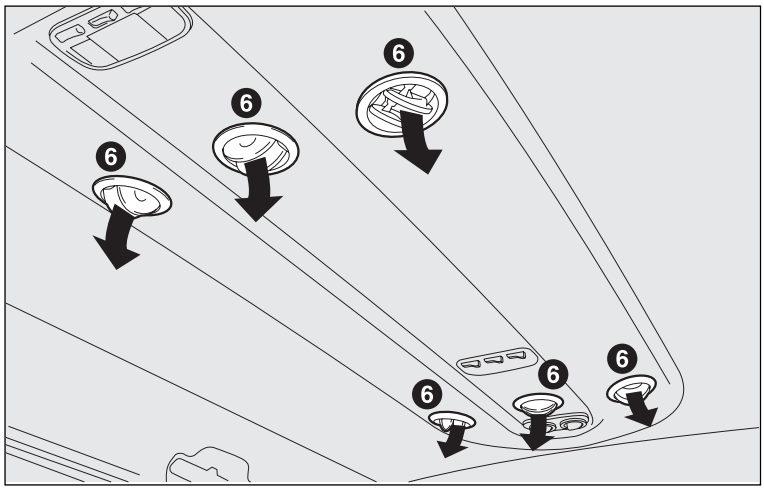


fig. 41 F0P0101m

HEATING AND VENTILATION

1. Fixed upper vent
2. Central swivel vents
3. Fixed side vents
4. Side swivel vents
5. Lower vents for front seats
6. Upper vents for rear seats (where provided).

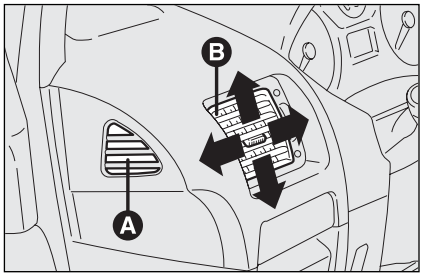


fig. 42 F0P0034m

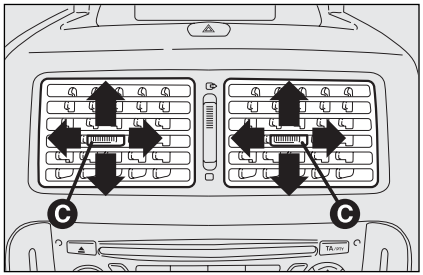


fig. 43 F0P0035m

SIDE AND CENTRAL VENTS fig. 42-43

Vents can be directed in the four positions shown by the arrows.

A Fixed vent for side windows.

B Side adjustable vents.

C Centre adjustable vents.

Vents **A** are fixed.

To use vents **B** and **C**, operate the relevant device to turn them as required.

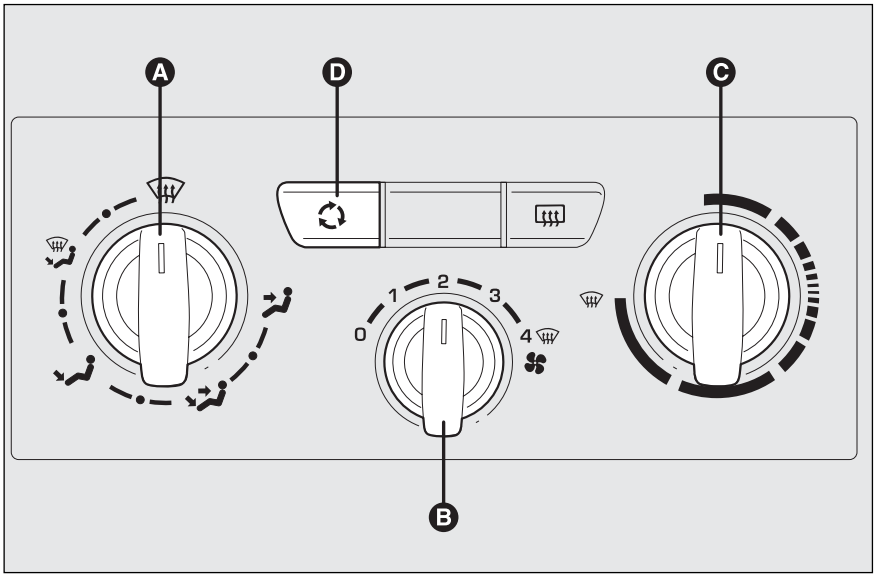


fig. 44 F0P0036m

CONTROLS fig. 44

Air distribution slider A

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.

Fan activation /speed adjustment knob B

0 = fan off

1-2-3 = fan speed

4 = max. fan speed

Air temperature slider C (mixing hot and cold air)

Red section = hot air

Blue section = cold air

Air recirculation on/off button D

Press the button to turn air recirculation on.

Press the button again to turn air recirculation off.

VENTILATION

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

❒ turn slider **C** to blue section;

❒ turn air recirculation off (if on);

❒ turn slider **A** to ;

❒ slider **B** turned to the required speed.

WARMING THE PASSENGER COMPARTMENT

Proceed as follows:

❒ turn slider **C** to red section;

❒ turn slider **A** to the required position;

❒ slider **B** turned to the required speed.

FAST HEATING

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

❒ turn slider **C** to red section;

❒ turn air recirculation on (if off);

❒ turn slider **A** to ;

❒ turn slider **B** to **4** (max. fan speed).

Then use the controls to keep the required comfort conditions and press button **D** 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 **C** to red section;

❒ turn air recirculation off (if on);

❒ turn slider **A** to ;

❒ turn slider **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 **C** to red section;

❒ turn air recirculation off by pressing button **D** (if off);

❒ turn slider **A** to or to if the windows do not demist;

❒ turn slider **B** to 2nd speed.

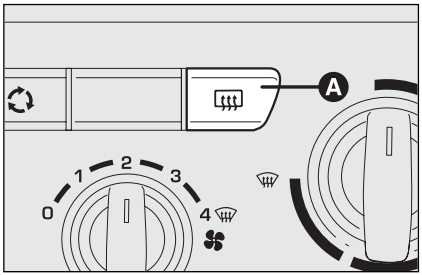


fig. 45

HEATED REAR WINDOW AND DOOR MIRROR DEMISTING/DEFROSTING (where provided) fig. 45

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 fig. 44

Turn this function on by pressing button ⟲.

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 are 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. 46

Air distribution slider A

- 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.

Fan activation /speed adjustment knob B

0 = fan off

1-2-3 = fan speed

4 = max. fan speed

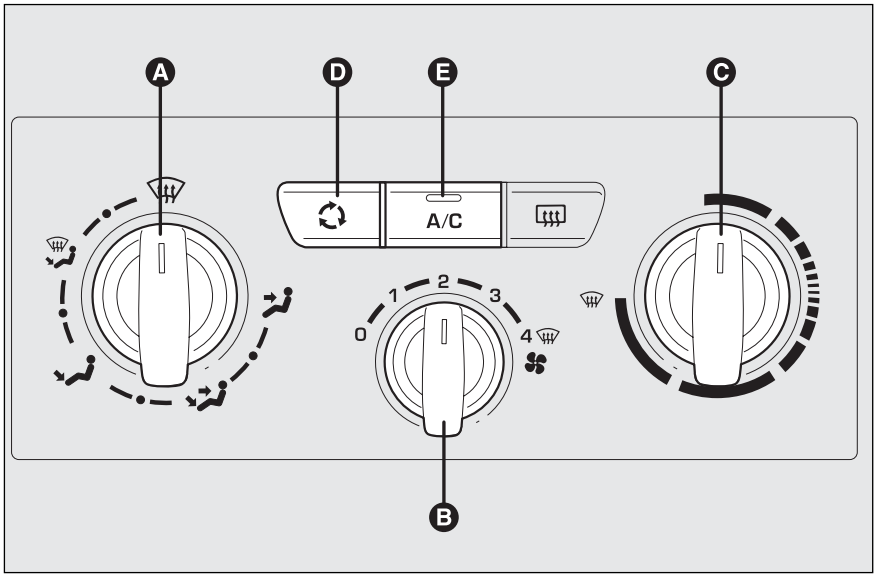


fig. 46

Air temperature slider C (mixing hot and cold air)

Red section = hot air

Blue section = cold air

Air recirculation on/off button D

Press the button to turn air recirculation on.

Press the button again 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 **C** to blue section;

❒ turn air recirculation off by pressing button **D**;

❒ turn slider **A** to ;

❒ slider **B** turned to the required speed.

CLIMATE CONTROL (cooling)

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

❒ turn slider **C** to blue section;

❒ turn air recirculation on by pressing button **D**;

❒ turn slider **A** to ;

❒ press button **E** to turn the climate control system on; the button led **E** will turn on;

❒ turn slider **B** to **4** (max. fan speed).

Cooling adjustment

❒ turn slider **C** to the right to raise temperature;

❒ turn air recirculation off by pressing button **D**;

❒ turn slider **B** to reduce the fan speed.

HEATING

Proceed as follows:

❒ turn slider **C** to red section;

❒ turn slider **A** to the required symbol;

❒ turn slider **B** to the required speed;

FAST HEATING

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

❒ turn slider **C** to red section;

❒ turn air recirculation on by pressing button **D** (if off);

❒ turn slider **A** to ;

❒ turn slider **B** to **4** (max. fan speed).

Then use the controls to keep the required comfort conditions and press button **D** to turn air recirculation 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 **C** to red section;

❒ turn slider **B** to **4** (max. fan speed);

❒ turn slider **A** to .

❒ turn air recirculation off by pressing button **D** (if on).

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 **C** to red section;

❒ turn air recirculation off by pressing button **D** (if on);

❒ turn slider **A** to ⊞ or to ⊞ if the windows do not demist;

❒ turn slider **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.

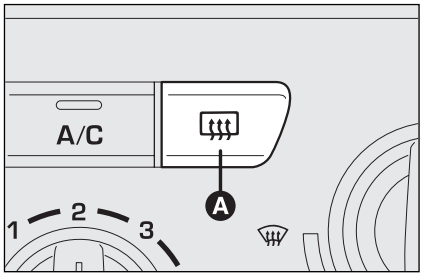


fig. 47

HEATED REAR WINDOW AND DOOR MIRROR DEMISTING/DEFROSTING (where provided) fig. 47

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 fig. 46

Turn this function on by pressing button ⟲.

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 are 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.

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.

AUTOMATIC TWO-ZONE CLIMATE CONTROL SYSTEM (where provided)

DESCRIPTION

The vehicle is fitted with a two-zone climate control system which makes it possible to separately adjust the air temperatures and air distribution on the driver's side and on the passenger's side.
Temperature control is based on the "equivalent temperature" logic, i.e.: the system continuously works to keep constant the comfort inside the passenger compartment and to compensate any variation of the outside climate conditions, including sunshine detected by a proper sensor provided for the purpose.

The climate control system automatically controls and adjusts the following parameters and functions:

❒ air temperature at driver/front passenger vents;

❒ air distribution at driver/front passenger vents;

❒ fan speed (continuous air flow variation);

❒ compressor activation (to cool/dehumidify air);

❒ air recirculation.

All the above functions can be changed manually by selecting the required function/s and by changing the set parameters. In this way the automatic control is deactivated; the system will resume automatic control only for safety reasons.
Manual selections prevail over automatic ones and remain in storage until the user decides to resume automatic control (press button **AUTO**, except when the system cuts in for particular safety conditions. The control of functions not changed manually remains automatic.
The amount of air admitted to the passenger compartment does not depend on the vehicle speed, since it is electronically controlled by the fan. The temperature of the air admitted to the passenger compartment is always controlled automatically according to the temperatures set on the driver's and front passenger's display (except when the system is off or under certain conditions when the compressor is off).

The following parameters and functions can be set or changed manually:

❒ air temperatures on driver/front passenger side;

❒ fan speed (continuous variation);

❒ air distribution on seven levels (driver/front passenger side);

❒ climate control compressor on/off enable;

❒ monozone/two-zone distribution priority;

❒ fast demisting/defrosting;

❒ air recirculation;

❒ rear heated window;

❒ system deactivation.

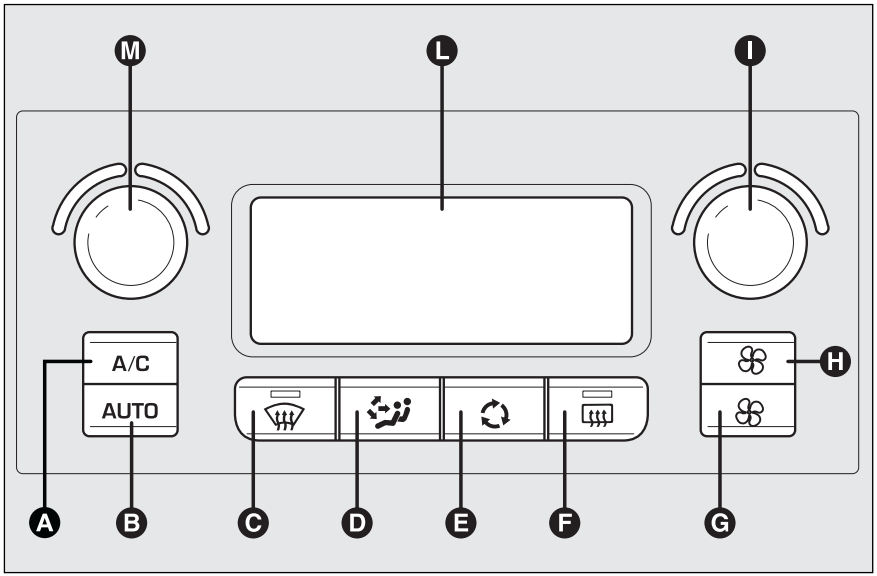


fig. 48

F0P0040m

CONTROLS fig. 48

A climate control compressor on/off button;

B **AUTO** (automatic operation) function on button;

C function on button (front window fast defrosting/demisting);

D air distribution button;

E air recirculation on/off button;

F rear window heating on/off button;

G fan speed decrease button;

H fan speed increase button;

I slider for adjusting temperature on passenger side;

L display showing climate control system data;

M slider for adjusting temperature on driver side.

USING THE CLIMATE CONTROL SYSTEM

The system can be started in different ways, but it is advisable to press one of the **AUTO** buttons and then to turn the knobs to set the temperatures required on the display.

It is possible to personalise required temperatures (driver and passenger) with a maximum difference of 7 °C.

This way the system will start working completely automatically to reach the comfort temperatures as quickly as possible. The system will set air temperature, quantity and distribution and it will control the air recirculation function and the activation of conditioner compressor.

During fully automatic operation, the only manual settings required are the following:

- ❒ air recirculation, to keep it always on or off;
- ❒ to speed up demisting/defrosting of windscreen, side windows, rear window and door mirrors;
- ❒ to demist/defrost heated rear window and door mirrors;
- ❒ to select air distribution during ventilation.

During full automatic system operation, you can change at any time set temperatures, air distribution and fan speed by using the relevant buttons or knobs: the system will automatically change its settings to adjust to the new requirements.

Air temperature adjusting knobs M - I

Turning the knobs clockwise or counterclockwise, respectively increases or decreases the temperature of the air required respectively in the front left zone (knob **M**) and in the right zone (knob **I**) f the passenger compartment. Since the system controls two zones of the passenger compartment, it is possible to personalise required temperatures (driver and passenger) with a maximum difference of 7 °C.
The temperatures set are shown on the display near the relevant knobs. Pressing button **AUTO** will activate automatic operation in order to have two separate ventilation temperatures between driver and passenger's side.
With automatic operation on, pressing again button **AUTO** will align the temperature on the passenger's side with that on the driver's side.

Turn the knobs fully clockwise or counterclockwise to engage respectively **HI** (maximum heating) or **LO** (maximum cooling).

To deactivate these two functions, just turn the temperature knob and set the required temperature.

Front air distribution button D

Pressing this button it is possible to choose manually one of the seven possible air distributions to the passenger compartment (right or left side):

- Air flow to the windscreen and front side window vents to demist or defrost them.
- Air flow at central and side dashboard vents to ventilate the chest and the face during the hot season.
- Air flow towards the front and rear lower parts of the passenger compartment. Due to the natural tendency of heat to spread upwards, this type of distribution allows heating of the passenger compartment in the shortest time, also giving a prompt feeling of warmth.

- Splitting of the air flow between the vents to the lower part of the passenger compartment (warmest air) and the dashboard centre and side outlets (coolest air). This air flow distribution is particularly useful in spring and autumn when the sun is shining.
- Splitting of the air flow between windscreen and front side window demisting/defrosting vents and the lower part of the passenger compartment. This type of air distribution allows satisfactory heating of the passenger compartment while preventing possible misting of the windows.
- Splitting of the air flow between windscreen demisting/defrosting vents and central and side dashboard vents. This type of air distribution allows satisfactory ventilation when the sun is shining.
- Splitting of the air flow between all vehicle vents.

The type of air distribution, when selected by hand, is shown by lighting up of the relevant led on the selected button.
In the combined function, pressing a button will activate the relevant function whereas, pressing a button relevant to an already operating function will turn off this function and the relevant button led.
To restore automatic air distribution control after a manual selection, press button **AUTO**.

When the driver selects air distribution to the windscreen, also the air distribution on passenger side will be distributed to the windscreen. The passenger can however select the required air distribution by pressing the relevant buttons.

Fan speed adjusting buttons G - H

Press button **G** ✤ to decrease the fan speed and therefore the amount of air admitted into the passenger compartment. Press button **H** ✤ to increase the fan speed and therefore the amount of air admitted into the passenger compartment, although keeping the required temperature set.

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

❒ max fan speed = all bars lit;

❒ min fan speed = one bar lit.

The fan can be cut off only if the climate control compressor has been switched off pressing button **A**.

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

AUTO button (automatic operation on/off)

Pressing button **AUTO** the system automatically adjusts the amount and distribution of the air admitted to the passenger compartment, cancelling all the previous manual adjustments. Manual operation of at least one automatic function (air recirculation, air distribution, fan speed or climate control compressor off).

IMPORTANT Should the system (after manual settings) be no longer able to guarantee the required temperature set in the passenger compartment, the set temperature value will start flashing to indicate this condition, after one minute the **AUTO** message will turn off.

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

Pressing again button **AUTO** automatically aligns the temperature on the passenger side with that on the driver side, it is therefore possible to set the same temperature and air distribution between the two zones by turning the knob on driver side. This function is provided to simplify temperature adjustment of the whole passenger compartment when only the driver is onboard. Separate operation of set temperature and air distribution is restored by pressing the button **AUTO** again.

Air recirculation on/off button E

Air recirculation works according to the following operating logics:

❒ automatic switching on, by pressing one of the **AUTO** buttons and indicated by the turning on of the **AUTO** icon on the display.

❒ manual switching on, by pressing button **E**, indicated by symbol on the display;

❒ manual switching off, by pressing button **E**, indicated by the turning off of symbol on the display.

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

It is however inadvisable to use it on rainy/cold days as it would considerably increase the possibility of the windows misting inside, especially if the climate control system is off.

When outside temperature is cold, recirculation is forced to off (outside air inlet) to prevent window misting up.

In automatic operation inside air recirculation will be controlled automatically by the system according to outside environmental conditions.

WARNING

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

Climate control compressor on/off button A

Pressing button **A/C** will activate the compressor and the display may show the same wording **A/C** to confirm activation. With compressor on, pressing button **A/C** again will deactivate the climate control compressor and therefore the wording will disappear from the display.
When turning the compressor off, the system will deactivate air recirculation to prevent window misting up. If the system is no longer able to keep the required temperature, temperature value will flash and the wording **AUTO** will disappear from the display.

IMPORTANT With the climate control compressor off, it is not possible to admit air to the passenger compartment with a temperature below the outside temperature; moreover, under certain environmental conditions, windows could mist up fastly since air is not dehumidified.

The switching off of the climate control compressor remains in storage even when the engine has been stopped. To restore automatic control for switching on the climate control compressor, press again button **A/C** or press button **AUTO**.

With climate control compressor off, the fan speed can be set to zero manually.

With compressor on and engine running, the fan speed cannot be lower that one bar on the display.

Fast window demisting/defrosting button C

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

❒switches on climate control compressor when climatic conditions are suitable;

❒ air recirculation off;

❒ maximum air temperature **HI** on both areas;

❒ activates proper fan speed according to engine coolant temperature to limit the flow into the passenger compartment of air not warm enough to demist the windows;

❒directs air flow to windscreen and front side windows vents;

❒ turns heated rear window on.

IMPORTANT Fast demisting/defrosting function stays on for about 3 minutes, since engine coolant temperature reaches the proper temperature.

When the max. demisting/defrosting function is on, the button led and the heated rear window button led are on.

When the max. demisting/defrosting function is on, the only manual operations possible are manual adjustment of the fan speed and switching heated rear window off. Pressing the max. demisting/defrosting button or the air recirculation buttons or compressor off button or the **AUTO** button, the system switches off the max. demisting/defrosting function and restores the operating conditions of the system prior to turning it on.

Heated rear window and door mirror demisting/defrosting button (where provided) F

Press this button to activate heated rear window demisting/defrosting.

When this function is on, the button led is on.

This function is timed and switches off automatically after about 20 minutes or by pressing again the button or by turning the engine off. It will not be switched on automatically when restarting the engine.

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.

Switching the climate control system off (A/C) A

Press button **A** to turn the system off. When turned off the system conditions are the following:

❒ set temperature displays off;

❒ air recirculation is on;

❒ conditioner compressor off;

❒ fan off.

Heated rear window can be turned on or off also when the system is off.

IMPORTANT The system will store the temperatures set before turning off and will resume them when pressing any button (except heated rear window); if the function corresponding to the button pressed is off it will be turned on; if on it will be kept active.

Press **AUTO** to turn the system in automatic mode.

ADDITIONAL HEATER (where provided)

This device shall be used to speed up passenger compartment warming when it is very cold.

The additional heater turns off automatically after reaching the required comfort conditions.

Automatic two-zone climate control system

The additional heater will switch on automatically after turning the ignition key to **MAR**.

Manual Heater and Climate control system

The additional heater will switch on automatically by turning knob **M** or **I** to the last red sector and turning the fan on (knob **D**) to the first speed at least.

IMPORTANT Heater works only with low outside temperature and engine coolant temperature.

IMPORTANT Heater will not turn on if the battery voltage is not sufficient.

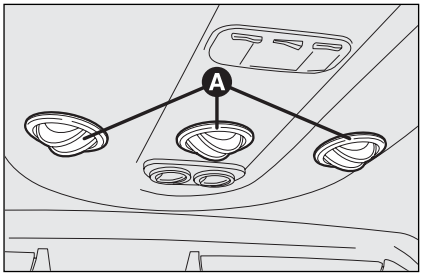


fig. 49 F0P0042m

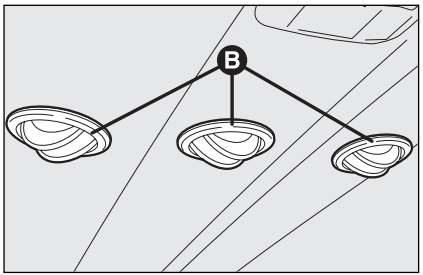


fig. 50 F0P0044m

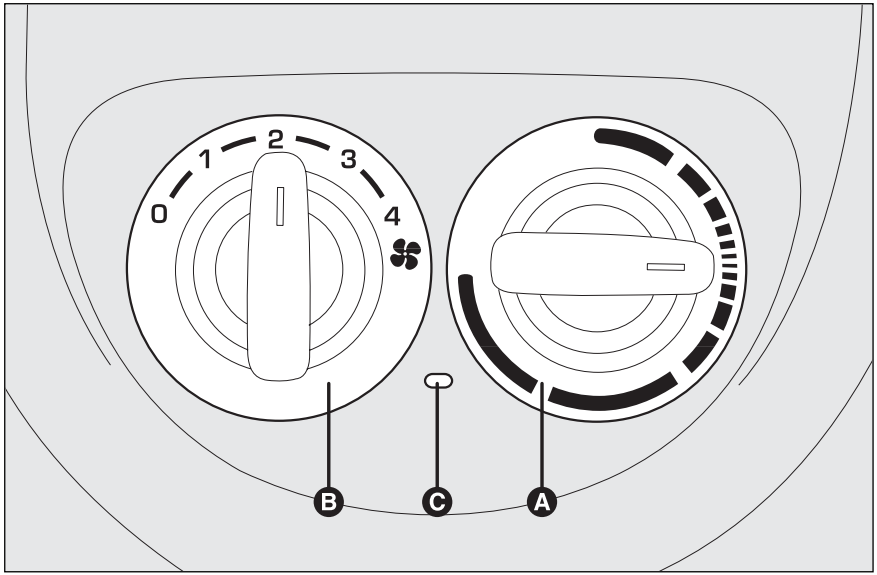


fig. 51 F0P0043m

ADJUSTABLE AND SWIVEL VENTS FOR SECOND AND THIRD SEAT ROW fig. 49-50

A Adjustable and swivel vents for second seat row.

B Adjustable and swivel vents for third seat row.

To use vents: open them as shown by the arrow and then direct them as required.

CONTROLS fig. 51

Air temperature knob 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

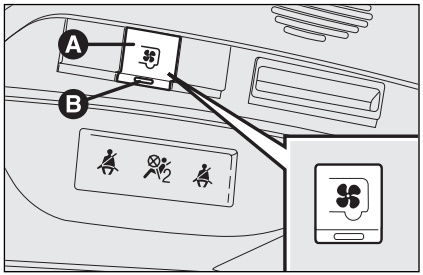


fig. 52

Switching the climate control system on/off

Press button **A-fig. 52** to switch the system on.

Switching on is indicated by button led **B-fig. 52** and by led **C-fig. 51** between controls.

Press button **A-fig. 52** again to switch the system off (the two leds will turn off).

VENTILATION

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

❒ knob **A** turned to blue section;

❒ turn air recirculation off;

❒ slider **B** turned to the required speed.

CLIMATE CONTROL (cooling)

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

❒ knob **A** turned to blue section;

❒ turn air recirculation on;

❒ turn the climate control on by pressing button **A-fig. 52**; the button led **B** will turn on;

❒ knob **B** turned to **4** ✤ (max. fan speed).

Cooling adjustment

❒ knob **A** turned to blue section;

❒ turn air recirculation off;

❒ turn knob **B** to reduce the fan speed.

WARMING THE PASSENGER COMPARTMENT

Proceed as follows:

❒ knob **A** turned to red section;

❒ slider **B** turned to the required speed.

FAST HEATING

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

❒ knob **A** turned to red section;

❒ turn air recirculation on;

❒ knob **B** turned to **4** ✤ (max. fan speed).

Then use the controls to keep the required comfort conditions and to turn air recirculation off.

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

EXTERNAL LIGHTS

The left-hand stalk **fig. 53** switches on and off the external lights.

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

LIGHTS SWITCHED OFF fig. 53

Knurled ring **A** turned to **0**.

SIDE/TAILLIGHTS fig. 53

To switch these lights on turn the knurled ring **A** from position **0** to position.

DIPPED BEAM HEADLIGHTS fig. 53

To switch these lights on turn the knurled ring **A** from position to position /.

Warning light on the instrument panel will turn on.

MAIN BEAM HEADLIGHTS fig. 54

These lights turn on with the knurled ring **A** at / and pulling it towards the steering wheel.

Instrument panel warning light will come on.

To turn the main beams off, pull again the stalk towards the steering wheel.

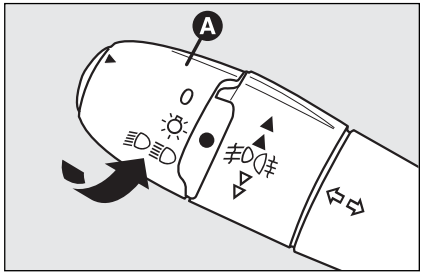


fig. 53 F0P0046m

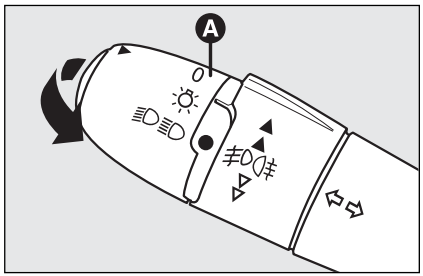


fig. 54 F0P0047m

FLASHING THE HEADLIGHTS fig. 54

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.

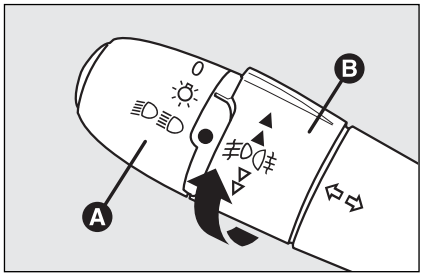


fig. 55 F0P0048m

FRONT FOG LIGHTS (where provided) AND REAR FOG LIGHTS fig. 55-56

To switch these lights on fig. 55:

- ❒ turn the knurled ring **B** as shown by the arrow:
- ❒ first impulse, unstable position, front fog lights on; instrument panel warning light will turn on.
- ❒ second impulse, unstable position, rear fog lights on .

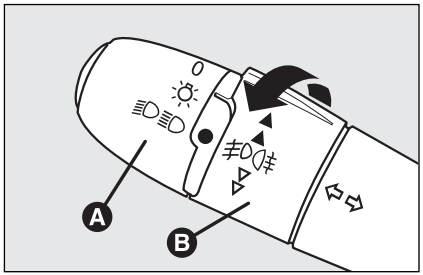


fig. 56 F0P0049m

To switch these lights off fig. 56:

❒ turn the knurled ring **B** as shown by the arrow, unstable position.

Front and rear fog lights turn off automatically when turning the lights off or when bringing lights back to position ☼, therefore for turning rear fog lights on again you have to repeat the previous operation.

These lights will turn on automatically at next starting if they were on when the engine was previously switched off.

IMPORTANT Rear fog lights may be bothersome for the vehicle behind, they shall therefore be used only if really necessary.

IMPORTANT Front fog lights, rear fog lights and main beams can be turned on with key at **S** or removed. When opening the doors a buzzer will sound to warn the driver that lights are on.

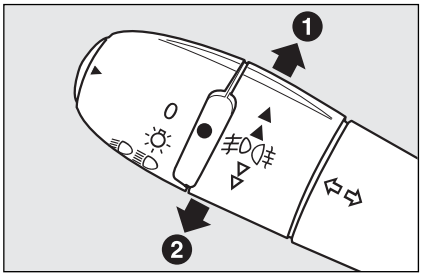


fig. 57 F0P0050m

DIRECTION INDICATORS fig. 57

Proceed as follows:

❒ stalk up (position **1**): right-hand direction indicator;

❒ stalk 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 (e.g.: to show that you are about to change lane), move the stalk up or down without clicking into position.

When released the stalk will return to its home position automatically.

Follow me home (where provided)

This function allows the illumination of the space in front of the vehicle for a preset period of time (45 seconds). To activate it the ignition key shall be at **S** or removed and the left stalk shall be pushed towards the dashboard within 2 minutes from when the engine is turned off.

If the vehicle is fitted with automatic device for turning on side lights and dipped beams, the follow me home function will activate automatically when opening the doors.

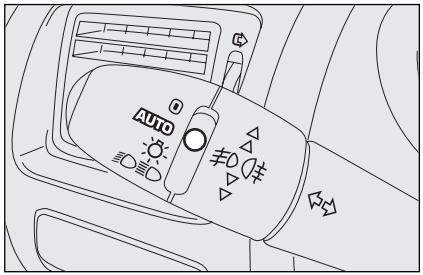


fig. 58 F0P0286m

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.

Activation fig. 58

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

Deactivation fig. 58

Turn the knurled ring back to O; deactivation is indicated by the dedicated message on the display.

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

WINDOW WASHING

The right stalk **fig. 59** controls windscreen wiper/washer and heated rear window wiper/washer operation (where provided).

WINDSCREEN WASHER/ WIPER

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

The stalk ring nut can be moved to four different positions:

0 windscreen wiper off;

I flick wipe;

1 continuous slow;

2 continuous fast.

⇩ Temporary operation (one wipe): when the stalk is released it returns to position 0 automatically stopping the wiper.

Pulling the stalk slightly towards the steering wheel (unstable position), regardless of the position of the knurled ring, operates the windscreen washer and if the dipped or high beams are on, also the headlight washer (where provided).
Windscreen wiper will then perform three wiping strokes.

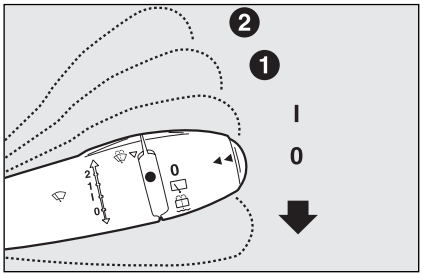


fig. 59 F0P0051m

To facilitate windscreen washing or blade replacement, with ignition key at **S** or removed, move the stalk down within 60 seconds (impulse); wipers will stop in vertical position so they can be raised to replace blades or for cleaning.

IMPORTANT To prevent damaging the body, before raising the wipers set them in vertical position as described previously.

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 (also after restarting the vehicle by the ignition key) contact Fiat Dealership.

RAIN SENSOR
(where provided)

The rain sensor is located behind the driving mirror in contact with the windscreen and has the purpose of adjusting automatically, 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.

If the rain sensor is fitted **fig. 60**:

0 Windscreen wiper off.

I Flick wipe.

1 Continuous slow.

2 Continuous fast.

AUTO Rain sensor activation (automatic operation). When the stalk is released, it returns to position **0**.

The rain sensor (fitted on certain versions only), is an electronic device coupled to the windscreen wiper with the purpose of adjusting automatically, during the intermittent operation, the frequency of the windscreen wiper strokes as to the rain intensity.

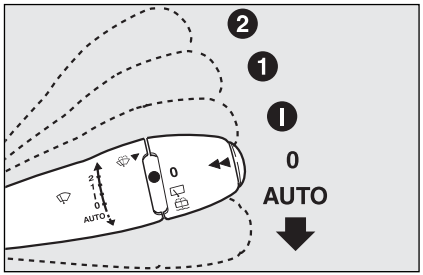


fig. 60

The rain sensor will activate automatically when moving the stalk to **AUTO**; its range varies gradually from windscreen wiper off (no wipe) when the windscreen is dry, to wiper at first continuous speed with heavy rain.

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

So as to deactivate the rain sensor, put the windscreen wiper command in the **I**, **1** or **2** positions. The deactivation is accompanied by a message on the display.

To activate the rain sensor you have to move the stalk to another position and then back to **AUTO**.

WARNING

Do not activate the rain sensor when washing the vehicle at automatic car-wash stations.

WARNING

When cleaning or washing the windscreen make sure the rain sensor is off.

The rain sensor is able to recognize and automatically adjust itself in the presence of the following particular conditions:

- ❒ impurities on the controlled surface (salt, dirt, etc...);
- ❒ streaks of water produced by worn wiper blades;
- ❒ difference between day and night (human eye is more bothered by wet glass at night).

WARNING

Do not activate the rain sensor if the windscreen is icy.

Pulling the stalk towards the steering wheel (unstable position), regardless of the position of the knurled ring, operates the windscreen washer and if the dipped or high beams are on, also the headlight washer (where provided).
Windscreen wiper will then perform three wiping strokes.

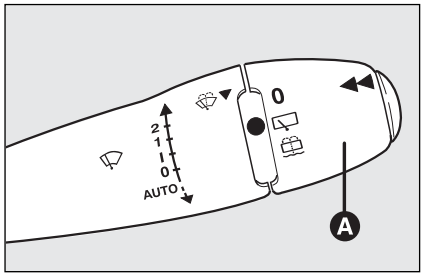


fig. 61 F0P0053m

Rear window wiper (where provided) fig. 61

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

❒ Turn the knurled ring **A** from position **0** to position ⊡.

With windscreen wiper on and reverse gear engaged, rear window wiping will activate automatically to provide best rear view.

Rear window washer (where provided) fig. 61

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

❒ Turn the knurled ring **A** from position ⊡ to ⊡ (unstable position), to activate the rear window washer.

At the same time the windscreen wiper will perform three wiping strokes.

Never use the rear window wiper to remove ice or snow from the rear window. 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 (also after restarting the vehicle by the ignition key) contact Fiat Dealership.

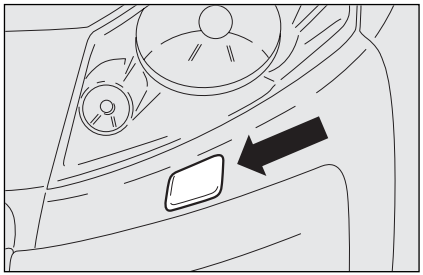


fig. 62 F0P0054m

HEADLIGHT WASHER (where provided) fig. 62

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.

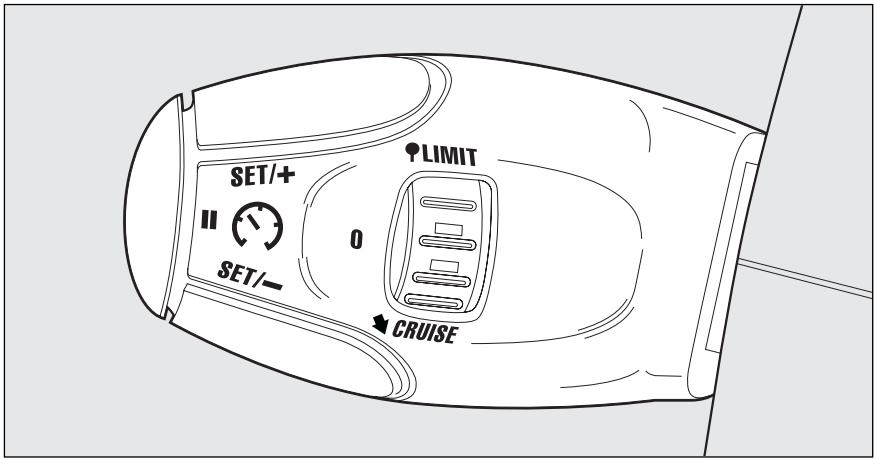


fig. 63/a

CRUISE CONTROL SPEED REGULATOR (where provided)

"It is the speed desired by the driver". This driving aid allows, in case of smooth-flowing traffic, to maintain the speed programmed by the driver constant, except in the case of a very steep hill.

In order to be programmed or activated, the speed of the vehicle must be more than 40 km/h, in at least the 4th gear.

When vehicles are equipped with both the restrictor and the regulator (depending on the country of commercialisation and the engine), the two functions cannot be activated at the same time.

This regulator shows on the control lock the state of the function selection and it shows the programmed speed:

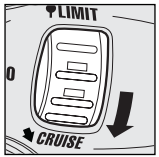
Selected function, visualisation of "Speed regulator".

Deactivated function, **OFF** (example at 107 km/h).

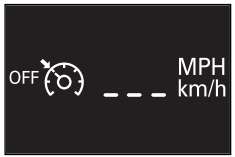
Activated function (example at 107 km/h).

Superior vehicle speed (example at 118 km /h), the programmed speed flashes.

Detection of an operation anomaly, **OFF** – the dashes flash.



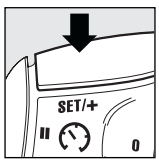
F0P0329m



F0P0324m

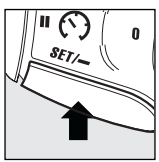
Function Selection

Move the knob to the **CRUISE** position. The regulator is selected but it is not yet active and no speed is programmed.



F0P0330m

F0P0331m



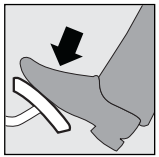
F0P0332m

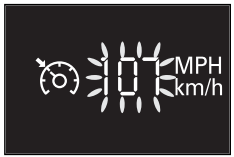
First activation/speed programming

❒ Reach the desired speed by pressing on the accelerator.

❒ Press the **SET -** o **SET +** key.

The speed is programmed/activated and the vehicle will maintain this speed.


F0P0333m

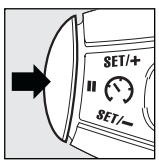


F0P0327m

Temporary exceeding of speed

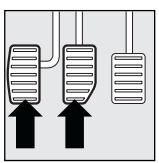
It is possible to **accelerate** and momentarily travel at a speed superior to that which has been programmed.
The programmed value flashes.

When the accelerator pedal is released, the vehicle returns to the programmed speed.



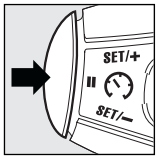
F0P0334m

F0P0325m


F0P0335m

Deactivation (OFF)

❒ Press the button or the brake or clutch pedal.



F0P0334m

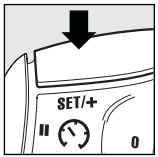
F0P0331m

Reactivation

After the deactivation of the setting, press the button.

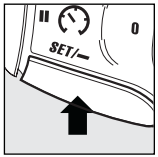
The vehicle returns to the last speed programmed.

You can also take up the “first activation” procedure again.



F0P0330m

F0P0336m



F0P0332m

Modification of a programmed speed

In order to memorise a speed which is superior to the previous one, there are two possibilities:

Without using the accelerator:

❒ Press the **Set +** key.

A slight pressure increases the speed by 1 km/h.

A constant pressure increases the speed by steps of 5 km/h.

By using the accelerator:

❒ exceeding the memorised speed until reaching the desired speed

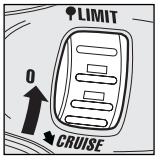
❒ Press the **Set +** o **Set –** key

In order to memorise a speed which is inferior to the previous one:

❒ Press the **Set -** key

A brief pressure reduces the speed by 1 km/h.

A constant pressure reduces the speed by steps of 5 km/h.



F0P0337m

F0P0325m

Function Arrest

Move the knob to the **0** position or take out the starting key.

Cancellation of the programmed speed

When the vehicle stops, after having taken out the starting key, the speed is no longer memorised by the system.

F0P0328m

Functioning Anomaly

The programmed speed is cancelled and substituted by three dashes.

Please seek advice from the Fiat Dealership in order to have the system checked.

For a correct usage

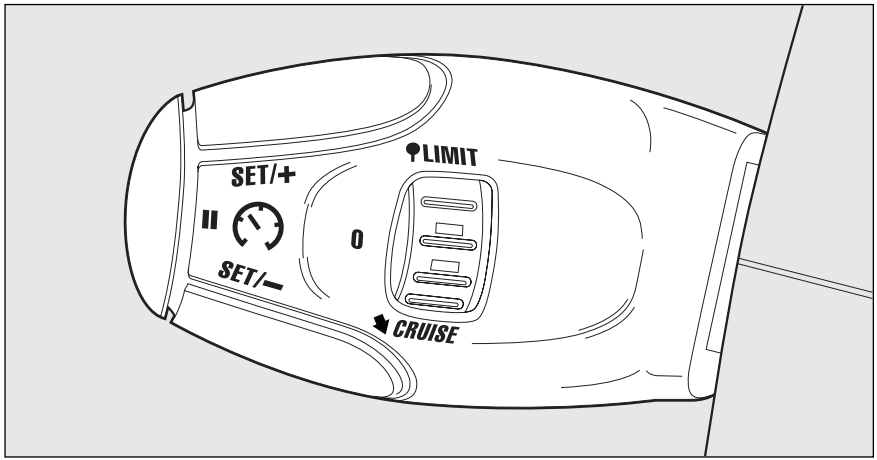
Take care when you modify the programmed speed with a constant pressure, in that the speed may increase or decrease rapidly. Do not use the speed regulator on a slippery road or in heavy traffic.

In case of a steep downwards slope; the speed regulator cannot prevent the vehicle of exceeding the programmed speed.

The regulator cannot, under any circumstances, substitute the respect of the speed limit, nor the alertness and the responsibility of the driver. In order to hinder the functioning of the pedals:

– Check that the car mat is in the correct position

– Do not overlap several car mats.



F0P0055m

"LIMIT" SPEED RESTRICTOR (where provided)

"It is the chosen speed which the driver does not wish to exceed". This selection can be made when the engine is running, when the vehicle is stationary or in gear. The minimum speed which can be programmed is 30 km/h.

The speed of the vehicle answers to the pressure of the driver's foot until the resistance point of the accelerator pedal, to indicate that the programmed speed has been reached. However, the pressure on the accelerator pedal beyond this point of resistance allows the programmed speed to be exceeded.

To recover the use of the restrictor, it is sufficient to progressively release the pressure on the accelerator pedal and return below the programmed speed.

In vehicles equipped with speed restrictors and regulators (depending on the country of commercialisation and the engine), the two functions cannot be activated at the same time.

The manipulations can be carried out both when the vehicle is stationary and when the vehicle is in gear.

This restrictor visualises the state of the function selection and the programmed speed on the control lock:

F0P0338m

Selected function, visualisation of the symbol "Speed Restrictor".

F0P0339m

Deactivated function, last speed programmed – **OFF** (example at 107 km/h).

F0P0340m

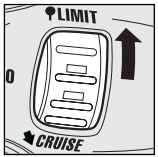
Activated function (example at 107 km/h).

F0P0341m

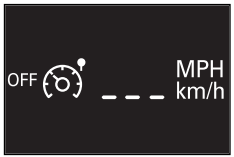
Superior vehicle speed (example at 118 km/h), the programmed speed flashes.

F0P0342m

Detection of an operation anomaly, **OFF** – the dashes flash.



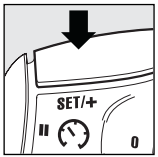
F0P0343m



F0P0338m

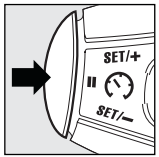
Function Selection

Position the knob at the **LIMIT** position. The restrictor is selected but it is not yet active. The display indicates the last speed programmed.



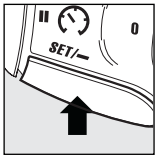
F0P0330m

F0P0351m

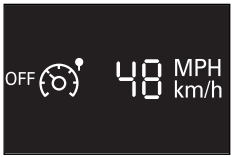


F0P0334m

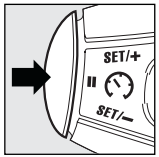
F0P0340m



F0P0332m



F0P0344m



F0P0334m

F0P0339m

Speed Programming

This programming function can be carried out without activating the restrictor, but with the engine running.

In order to memorise a speed superior to the previous one:

❒ press the **Set +** key.

A slight pressure increases the speed by 1 km/h.

A constant pressure increases the speed by steps of 5 km/h.

In order to memorise a speed less than the previous one:

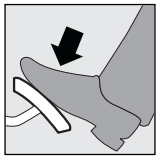
❒ press the **Set -** key.

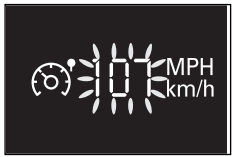
A slight pressure reduces the speed by 1 km/h.

A constant pressure reduces the speed by steps of 5 km/h.

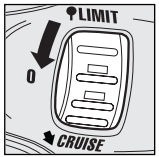
Activation/deactivation (OFF)

By pressing the button the first time, it activates the restrictor; a second time deactivates it (OFF).


F0P0333m



F0P0341m



F0P0345m

F0P0339m

F0P0342m

Exceeding the programmed speed

Pressing on the accelerator pedal in order to exceed the programmed speed will have no effect, except if you press hard on the pedal and you exceed the resistance point. The restrictor is temporarily deactivated and the programmed speed flashes.

In order to return to the restrictor function, reduce the speed until reaching a value inferior to the programmed speed.

Flashing of the speed indicator

The speed indicator flashes:

❒ After having forced the accelerator resistance point

❒ When the restrictor cannot prevent the increasing of the speed of the vehicle due to the shape of the road or due to a steep hill

❒ In case of a powerful acceleration.

Function Arrest

Move the knob to the **0** position or take out the starting key in order to arrest the system. The last programmed speed is memorised.

Functioning Anomaly

The programmed speed is cancelled and substituted by three dashes.

Please seek advice from the Fiat Dealership in order to have the system checked.

For a correct usage

The restrictor cannot, under any circumstances, substitute the respect of the speed limit, nor the alertness and the responsibility of the driver. Be careful of the shape of the road and powerful accelerations. In order to hinder the functioning of the pedals:

– Check that the car mat is in the correct position

– Do not overlap several car mats.

CEILING LIGHTS

FRONT CEILING LIGHT

Ceiling light **1-fig. 64** is controlled by three switches **A**, **B** and **C**. With switch **B** in central position, lights will turn on/off when opening/closing one of the doors.

With switch **B** pressed on the right side, lights will always stay on.

With switch **B** pressed on the left side, lights will always stay off.

Pressing the switches **A** on the left and **C** on the right will turn on the corresponding side lights **D** and **F**.

REAR CEILING LIGHTS

Ceiling lights **2-fig. 65** are controlled by switch **A**.

With switch a in central position, light **B** will turn on/off when opening/closing one of the doors.

With switch **A** pressed on the left side, the light will always stay off whereas if pressed on the right side, the light will always stay on.

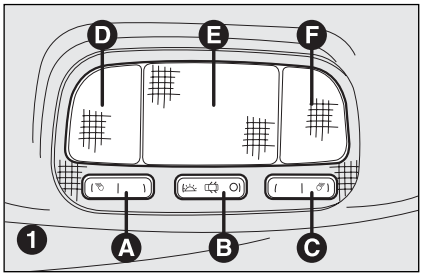


fig. 64 F0P0056m

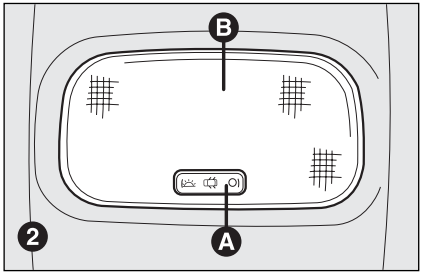


fig. 65 F0P0057m

IMPORTANT Before getting out of the vehicle, make sure that both switches are at central position, when closing the doors the lights will turn off thus avoiding to drain the battery.

Ceiling light timing

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:

❒ when opening front doors;

❒ when opening one of the side doors;

❒ when closing the doors.

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

LIGHT TIMING WHEN GETTING OUT OF THE VEHICLE

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

❒ after turning the engine off;

❒ when opening one of the side doors;

❒ when closing one of the doors.

Timing will stop automatically when locking the doors.

HAZARD LIGHTS fig. 66

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.

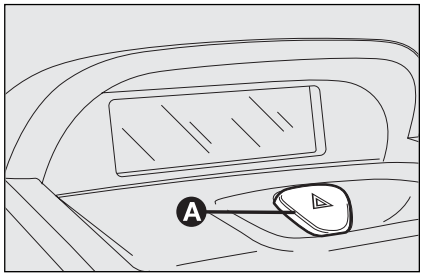


fig. 66 F0P0287m

Press the switch again to turn the lights off.

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

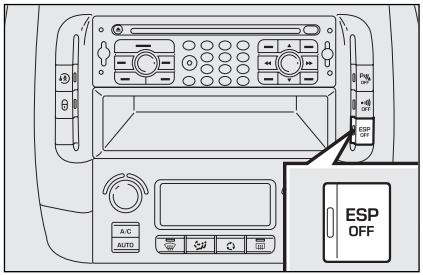


fig. 67 F0P0064m

ESP SYSTEM DEACTIVATION (where provided)

Pressing button **fig. 67**, located on the central console control panel will deactivate the ESP system.

The deactivation is signalled by the fixed led light on the button.

The system is reactivated:

❒ Automatically, starting from 50 km/h;

❒ Manually by pressing the button again.

The intervention of the ESP system is signalled by the flashing led on the button.

For further information, see the paragraph "ESP System" in this chapter.

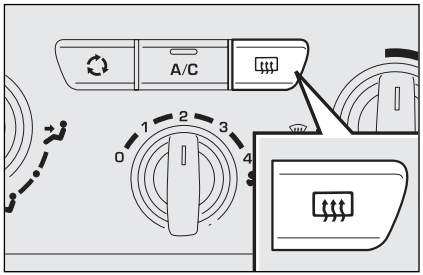


fig. 68 F0P0058m

HEATED REAR WINDOW (where provided)

Press button **fig. 68** to turn on this function.

This function will turn off automatically after about 20 minutes.

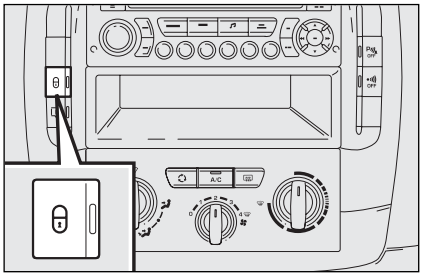


fig. 69 F0P0059m

DOOR LOCK

To lock all doors at the same time, press button **fig. 69**, located on the central console control panel, regardless of the position of the ignition key.

When the function is on the button led turns on.

To unlock the doors press the button again.

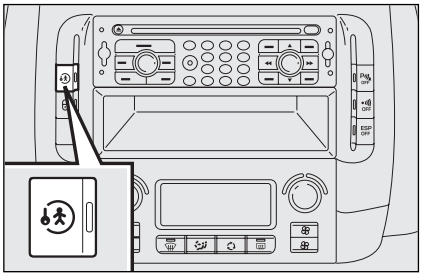


fig. 70 F0P0060m

CHILD SAFETY LOCK SYSTEM (where provided)

Pressing button **fig. 70**, located on the central console control panel, will activate the child safety lock system regardless of the position of the ignition key.

In this way the side sliding doors can only be opened from the outside of the vehicle and not from the inside.

When the function is on the button led turns on.

To deactivate the system press the button again.

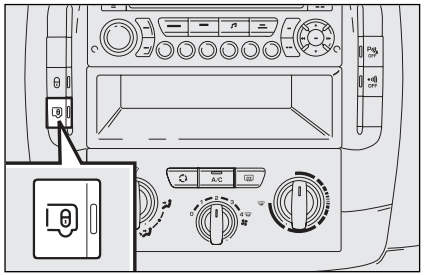


fig. 71

SIDE SLIDING AND REAR DOORS LOCK (where provided)

To lock at the same time the side sliding doors and the rear doors, press button **fig. 71**, located on the central console control panel, regardless of the position of the ignition key.

When the function is on the button led turns on.

To unlock the doors press the button again.

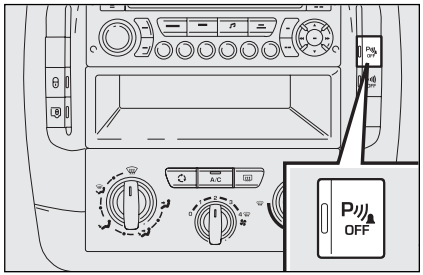


fig. 72

PARKING SENSORS DEACTIVATION (where provided)

Pressing button **fig. 72**, located on the central console control panel will deactivate the parking sensors.

When parking sensors are deactivated the button led turns on.

Press the button again in order to reactivate it.

IMPORTANT The condition of the parking sensors (activated or deactivated) is memorised by the system upon the switching off of the engine.

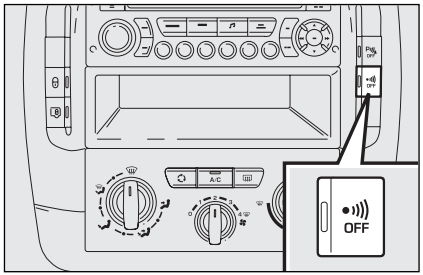


fig. 73

DEACTIVATION OF THE VOLUMETRIC ALARM (where provided)

By pressing the button **fig.73**, situated on the bridge of the central compartment, the volumetric protection of the alarm system is deactivated.

Only the perimetrical protection is maintained.

The deactivation is signalled by the lighting of the led on the button.

For further information see the paragraph “Alarm” in this chapter.

FUEL CUT-OFF SWITCH

It is a safety switch controlled by air bag electronic control unit that in the event of a serious crash (in any direction) comes into operation by cutting off fuel and turning off the engine as a consequence.

Fuel cut-off switch activation is indicated by a dedicated message on the reconfigurable multifunction display.

WARNING

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

If, after a crash no fuel leaks are found and the vehicle can be started again, reset the fuel cut-off switch as follows:

❒ turn the key to **S**;

❒ remove the ignition key; refit the key into the ignition switch and then start the engine.

INTERIOR EQUIPMENT

GLOVEBOX
fig. 74-75

To open the glovebox operate handle **A-fig. 74**.

The overturning door is fitted with recesses for holding (with vehicle stopped) a glass or a can and a recess for holding a pen.

The glovebox has a lock which is operated by the ignition key.

ODDMENT COMPARTMENTS/SHELVES

These are installed above sun visors and have been designed to provide prompt housing for light objects (like documents, cards, road maps, etc..).

The side shelves, depending on the fittings, may be supplied with a door **A-fig. 76/a**.

IMPORTANT The shelf can support max. 3 kg per side, do not exceed this load and do not cling to it.

Use the side handles provided for the purpose.

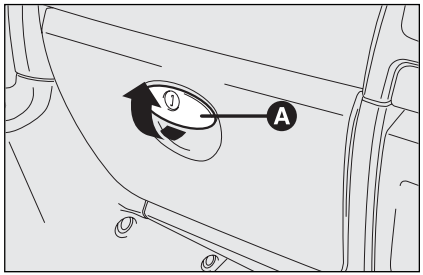


fig. 74 F0P0065m

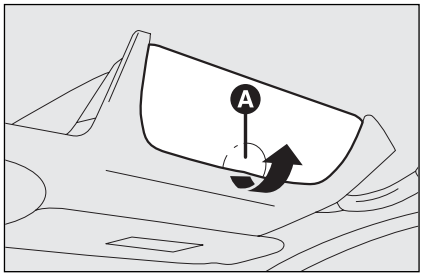


fig. 76/a F0P0067m

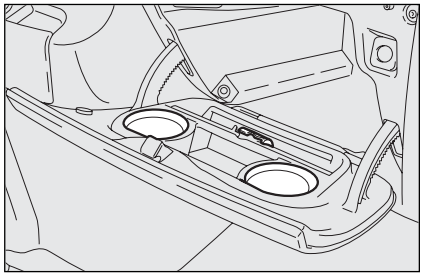


fig. 75 F0P0066m

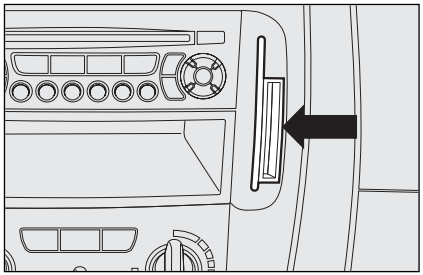


fig. 76/b F0P0346m

The central compartment may be equipped with an "internal tunnel" which allows the transportation of light and long objects (electric wire covers, plastic tubes etc. ...): seek advice from the Fiat Dealership.

Ticket compartment

Available according to the vehicle fittings.

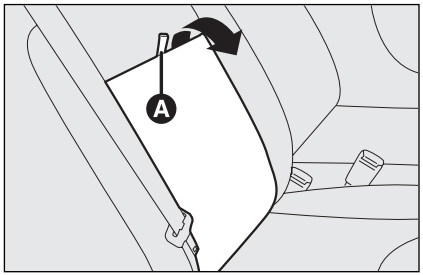


fig. 77 F0P0068m

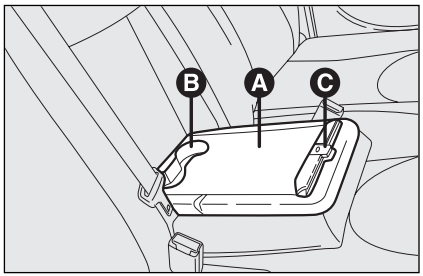


fig. 78 F0P0069m

SHELF WITH GLASS/CAN HOLDER AND CARD HOLDER (where provided)

Pull the tab **A-fig. 77** as shown by the arrow from the front central seat to obtain a shelf **A-fig. 78** with glass/can holder **B** and a card holder **C**.

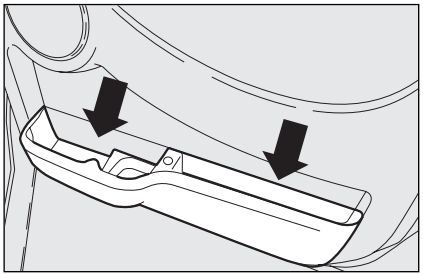


fig. 79 F0P0070m

FRONT DOOR POCKETS

Front door panels are fitted with two pockets for keeping objects / documents **fig. 79**.

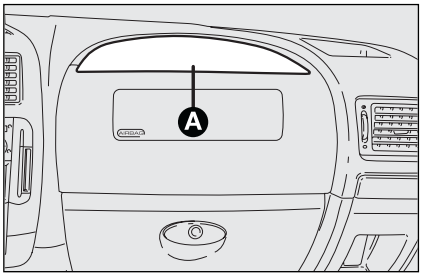


fig. 80 F0P0072m

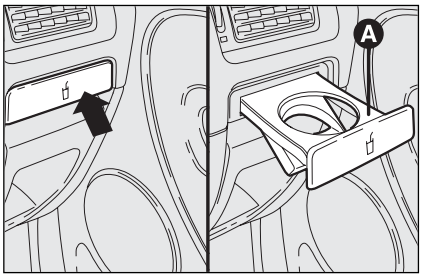


fig. 81 F0P0073m

ODDMENT COMPARTMENT ON THE DASHBOARD

The dashboard side in front of the passenger is fitted with an oddment compartment **A-fig. 80**.

RETRACTABLE GLASS/CAN HOLDERS

Both ends of the dashboard are fitted with retractable glass/can holders **A-fig. 81**. To use them press the collapsible shelves as shown in the figure.

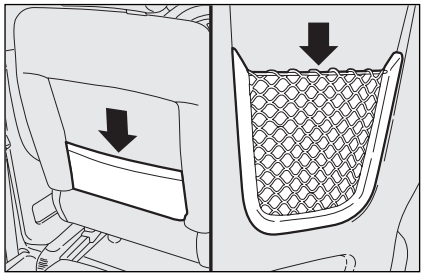


fig. 82 F0P0074m

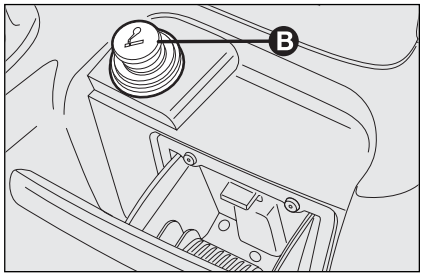


fig. 84 F0P0076m

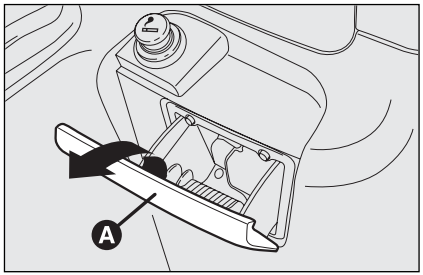


fig. 85 F0P0077m

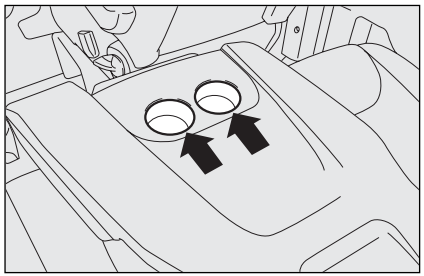


fig. 83 F0P0075m

CIGAR LIGHTER

Press button **B-fig. 84** with ignition key at **M** to turn the cigar lighter on.

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

IMPORTANT Always check that the cigar lighter has turned off.

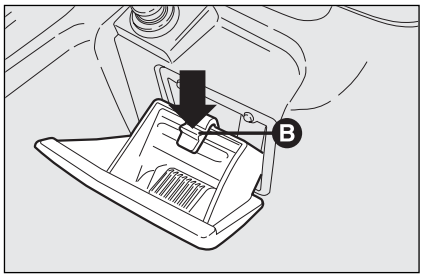


fig. 86 F0P0078m

BACK REST POCKETS
(where provided)

Seat back rests can be fitted with pockets **fig. 82** for keeping light objects (like documents, road maps, etc.).

GLASS HOLDER
(where provided)

When folding the back rest of the central seat of the second row it is possible to use the two glass recesses **fig. 83**.

WARNING

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.

ASHTRAY

The ashtray is a removable plastic box. Pull lid **A-fig. 85** backwards to open it.

To remove the ashtray: press the catch **B-fig. 86** and guide it downwards.

To refit the ashtray: rest the ashtray bottom and guide it upwards refitting the catch.

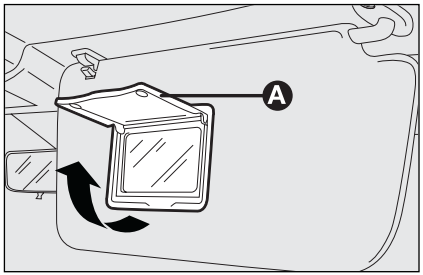


fig. 87 F0P0079m

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

SUN VISORS fig. 87

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

A courtesy mirror can be applied to the back of sun visors.

On certain versions to use the mirror (where provided) you shall open the cover **A**.

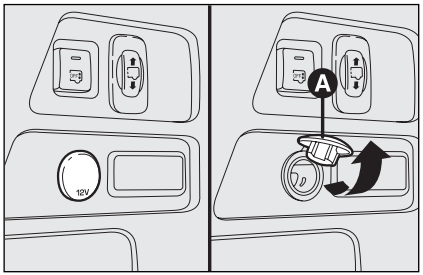


fig. 88 F0P0080m

CURRENT OUTLETS (where provided)

According to versions they can be set in different positions inside the vehicle.

To use current outlets, open cap **A-fig. 88**.

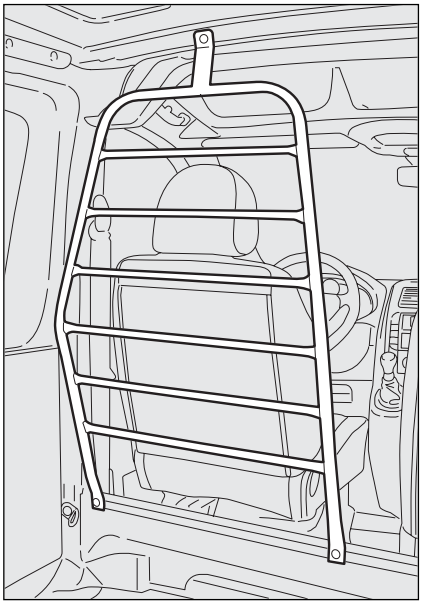


fig. 89 F0P0081m

FIXED PARTITION (where provided)

Certain versions are fitted with a fixed tubular wall **fig. 89** separating the load cab from the driver's seat in order to protect the driver from load while driving.

DOORS

MANUAL OPENING/CLOSURE

WARNING

Make sure it is safe to open a door before doing so.

FRONT DOORS fig. 90

With ignition key removed when opening the doors a buzzer will sound to warn the driver that external lights are on.
The buzzer will mute as soon as lights are switched off, doors are closed or the engine is turned on.

With key fitted into ignition device, when opening one of the front doors a buzzer will sound and the instrument panel warning light will turn on to warn the driver that one of the two doors is not closed.

To unlock: fit the metal insert of the key into the lock and turn it counterclockwise.

To lock: fit the metal insert of the key into the lock and turn it clockwise.

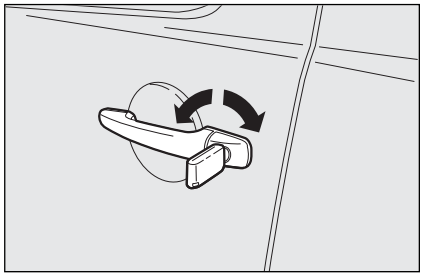


fig. 90 F0P0082m

Sliding side doors

The sliding side doors are equipped with a spring clip which stops it on the opening bumper: in order to block them simply push the door onto the bumper, in order to unblock it firmly pull it forwards.

In any case ensure that the doors are correctly connected to the device which maintains the complete opening of the doors.

To unlock: fit the metal insert of the key into the lock and turn it counterclockwise.

To lock: fit the metal insert of the key into the lock and turn it clockwise.

During refuelling, do not open the left sliding door due to the fact that the open fuel door.

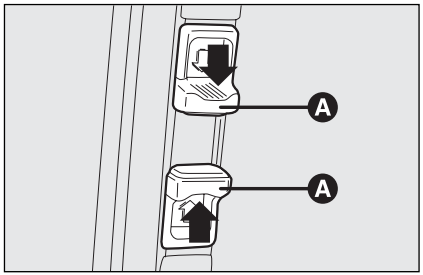


fig. 91 F0P0083m

The sliding side door may be supplied with windows (where provided).

Windows can be opened from the vehicle. To open the windows press the two pins **A-fig. 91** and make the glass slide keeping the pins pressed until reaching the required open position. After opening the windows check they click into place.

WARNING

Do not leave the vehicle parked on a steep slope with the sliding door open. An involuntary knock could release the door and make it slide.

WARNING

When leaving the vehicle parked with the sliding doors open, always check they are properly locked into place.

REAR DOUBLE DOORS

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

WARNING

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

WARNING

In case the vehicle is stationary with the rear doors open at 90°, these hide the rear lights. In order to signal your position to other drivers who are travelling in the same direction and may not have noticed the stationery vehicle, use a triangular signal or any other device prescribed by the enforced legislation in your country.

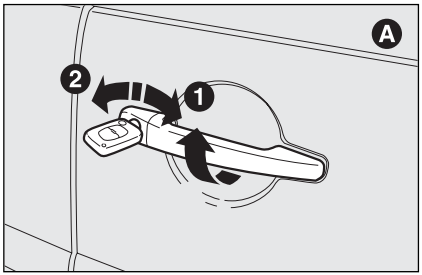


fig. 92 F0P0088m

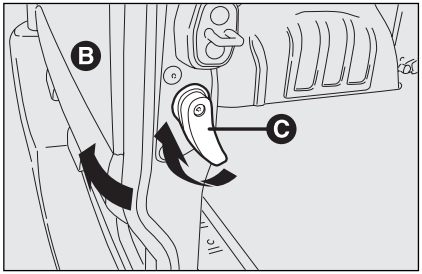


fig. 93 F0P0086m

Opening the double doors from the outside

Turn the key to **2-fig. 92** and pull the door handle in the direction of the arrow **A**.

Then to open the door **B**, operate the handle **C-fig. 93** in the direction of the arrow.

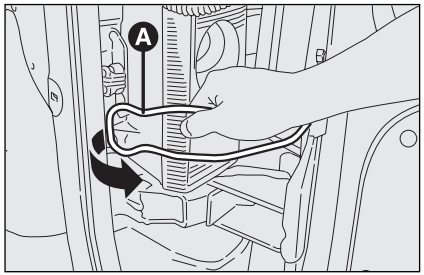


fig. 94 F0P0087m

It is possible to increase the opening angle of the two doors to facilitate loading and unloading operations. To do this, release the spring catches **A-fig. 94** as shown; this will allow opening the doors by 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.

Closing the double doors from the outside

After closing both doors, turn the key to **1-fig. 92**.

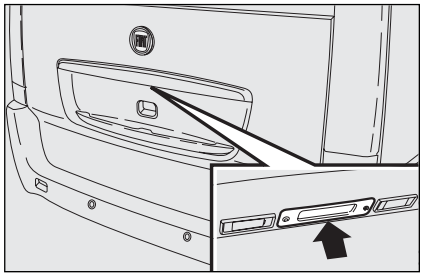


fig. 95 F0P0602m

Tailgate (where provided)

To open the tailgate use the power-handle shown in **fig. 95**.

Emergency opening for the tailgate

If the centralised door opening system is failing, to open the tailgate from the passenger compartment proceed as follows:

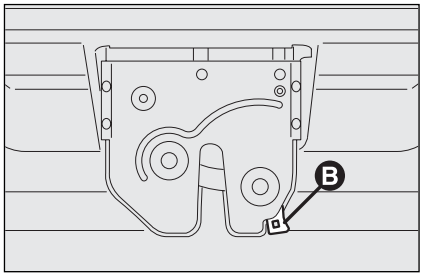


fig. 96 F0P0293m

- ❒ fold rear seats (see paragraph "Seats" in this section) to reach the internal lock;
- ❒ fit a screwdriver into the hole on the lock and unlock the opening mechanism **B-fig. 96**.

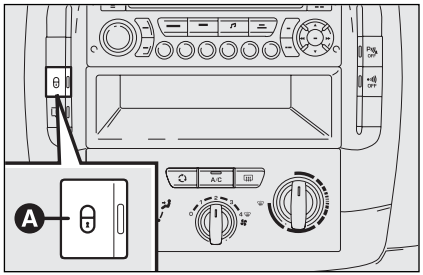


fig. 97 F0P0085m

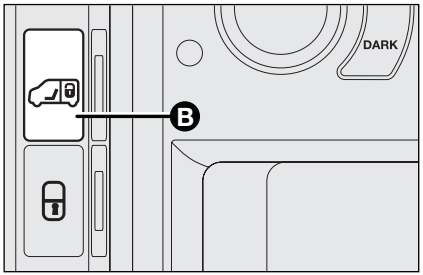


fig. 98 F0P0352m

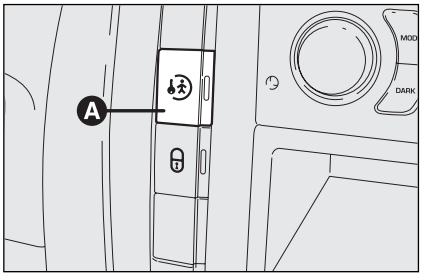


fig. 99 F0P00906m

CENTRALISED OPENING/CLOSURE

From the outside

Use the remote-control set in order to lock/unlock the vehicle.

From the inside fig. 97

By pressing once on button **A**, it allows the centralised locking of the doors.

By pressing a second time it allows the unlocking.

The command is not active when the vehicle has been blocked from the outside with the remote-control set or with the key.

Anti-aggression safety device

The system automatically locks the doors as soon as the vehicle reaches approx. 10 km/h.

Activation/deactivation

With the key in the **M** position, press for button **A** for a long time to activate or deactivate the function.

Loading compartment (where provided) fig. 98

The pressure on button **B** allows the locking/unlocking of the rear doors.
This function is activated upon delivery of the vehicle. Upon request, it is possible to deactivate this opening selection between the passenger compartment and the loading compartment. Please seek advice from the Fiat Dealership.

CHILDREN'S SAFETY DEVICE

It prevents the opening of the sliding side doors from the inside.

To activate the device press button **A-fig. 99** situated between the commands on the bridge of the central compartment.

The activation of the device is signalled by the lighting of the led on button **A**.

The device remains active also by carrying out the electrical unlocking of the doors.

WARNING

Always use this device when transporting children.

WARNING

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

SLIDING LUGGAGE COVER (where provided)

To use the luggage cover, take handle **A-fig. 100** and roll it out from reel unit **B** until securing it to the proper catches.

To remove the reel unit, if required: press switch **A-fig. 101** and release both ends from their seats.

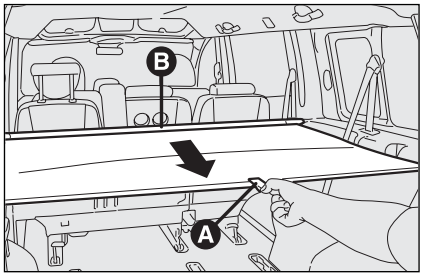


fig. 100 F0P0091m

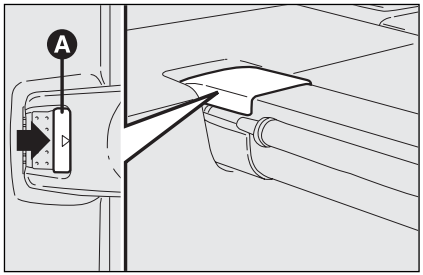


fig. 101 F0P0092m

POWER WINDOWS/WINDOW WINDERS

The driver's door armrest features two switches that with key at **M** shall be used:

A to open/close the left front window;

B to open/close the right front window;

The passenger's door armrest can be fitted with switch **A-fig. 102** to open the relevant window.

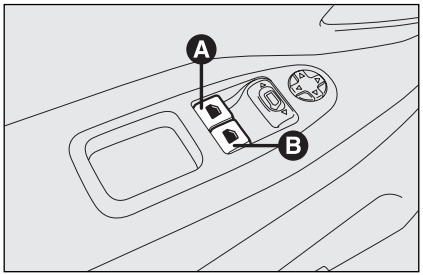


fig. 102 F0P0093m

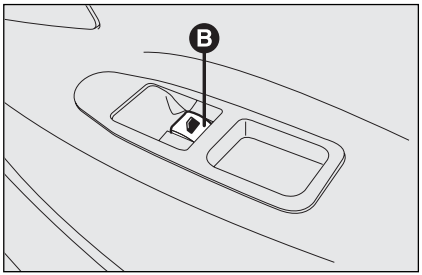


fig. 103 F0P0094m

WARNING

The system conforms to the forthcoming standard 2000/4/EC concerning the safety of passengers leaning out of the passenger compartment.

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.

FUNCTIONING

Manual operation

Press the button or pull it, without going beyond the resistance point. The window stops as soon as the command is released.

Automatic Operation

Press the button or pull it, beyond the resistance point. The window opens or closes completely after having released the command: a new impulse stops the window movement.

The electrical functions of the window winder are deactivated:

– Approx. 45 seconds after the key is taken out of the switch.

– After the opening of one of the rear doors, with the key taken out.

ANTI-CRUSHING SAFETY SYSTEM

If the vehicle is equipped with this system, when the window rises and it meets with an obstacle, it stops and it slightly lowers. In case of a sudden opening of the window upon closure, press the button until it is completely open. Within 4 seconds, pull the button until the window is completely closed.

During these operations, the safety system is not active.

Re-initialise of the anti-crushing system

After a disconnection of the battery, it is necessary to re-initialise the safety function.

Let the window lower completely and then let it rise. It will progressively rise, a few centimetres upon each pressure of the button. Repeat the operation until the window is completely open.

Keep the command pressed for at least a second after the complete closure of the window.

During these operations, the safety system is not active.

BONNET

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

To open the bonnet:

– raise the lever protection cover **A-fig. 104** set aside the driver's seat;

– pull the lever as show by the arrow **B-fig. 105**;

– press the bonnet lever **C-fig. 106**;

– lift the bonnet and at the same time release the rod **D-fig. 107** from the catch **E**;

– fit the rod end **D** into one of the bonnet recesses **F-fig. 107**.

To close the bonnet:

– hold the bonnet up with one hand and with the other remove rod from recess and fit it back into its catch;

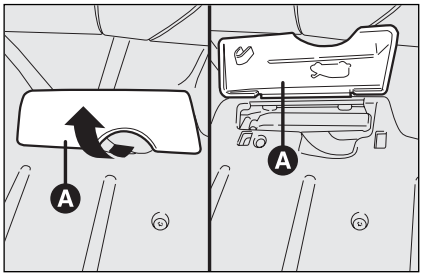


fig. 104 F0P0096m

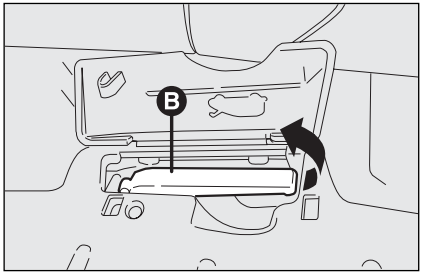


fig. 105 F0P0097m

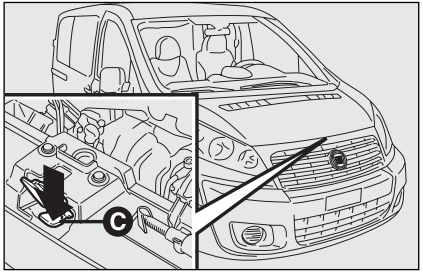


fig. 106 F0P0603m

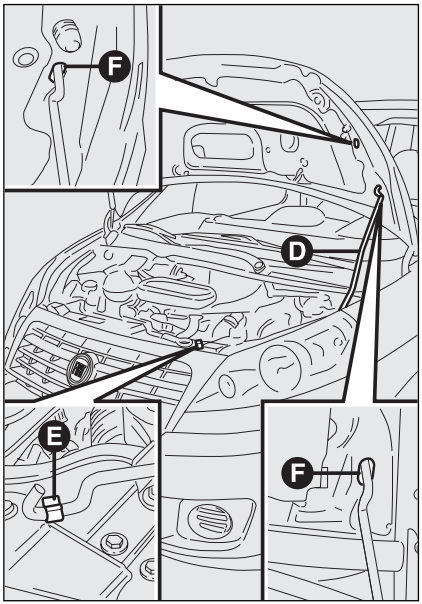


fig. 107 F0P0604m

– 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.

If the vehicle is equipped with an alarm system the incorrect closure of the car boot is signalled by the lighting of warning light together with a beeper and a dedicated message on the display.

ROOF RACK/SKI RACK PRESETTING

Couplings are located in a longitudinal runner on the vehicle roof.

Secure roof rack/ski racks to the proper preset holes shown in **fig. 108**.

WARNING

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

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

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

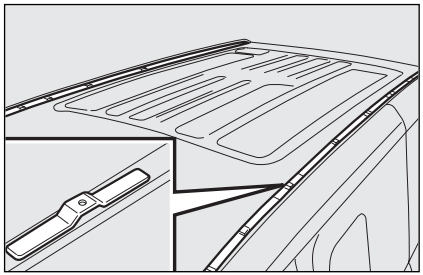


fig. 108

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").

PNEUMATIC SUSPENSIONS

In some versions the tires rear suspensions self-leveling may be included as an optional.

According to versions suspensions can be adjusted manually or automatically.

MANUAL ADJUSTMENT

The controls **fig.109** are located in the rear right of the vehicle.

Height adjustment

The height adjustment varies from a **maximum alignment** to an **intermediate alignment** to a **minimum alignment**. The reaching of the two stabilities, maximum or minimum is signalled by 3 “beeps”.

By pressing down twice on one of the **A** buttons (starting from the minimum alignment position) or one of the **B** buttons (starting from the maximum alignment position), the system will automatically adjust the setting to the intermediate alignment.

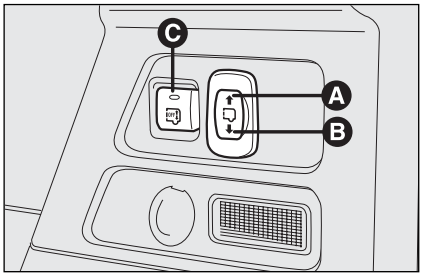


fig. 109

The required height level should be set with vehicle at a standstill and engine running or off.

With engine off, manual adjustment is only possible for a restricted number of times.

Before starting the manual adjustment procedure with doors open, make sure there is enough space around the vehicle.

IMPORTANT Only make adjustments with vehicle stationary and:

❒ front and side doors closed;

❒ handbrake engaged;

❒ without pressing the brake pedal.

First-time use

To initialize the system, keep pushbutton **C-fig.109** pressed for 2 seconds

Operating faults

If, when acting on the controls, the suspensions do not adjust, 3 acoustic warnings indicate a system malfunction.
This malfunction could be due to one of these causes:

❒ the brake pedal is pressed and the ignition key is in **M** position

❒ excessive use of the system manual adjustment;

❒ the battery is low (or completely discharged);

❒ a tire suspension system error.

If the acoustic warning persists, contact the Fiat Dealership.

AUTOMATIC ADJUSTMENT

The controls **fig.110** are located in the bottom rear of the vehicle.

If the vehicle is fitted with pneumatic suspensions with automatic adjustment, the system will adjust automatically the height of the vehicle according to the load.
The warning light on the instrument panel will blink when the height level is not adequate and is to be adjusted: in this case let the engine run without accelerating until the warning light turns off (optimum suspension adjustment).

Under certain conditions it could be temporarily not possible to perform the required adjustment:

❒ one or more doors open;

❒ vehicle braked (brake pedal pressed, e.g. stop at red light).

Turning the system off and on again

To turn the system off: keep button **A-fig. 110** pressed until hearing the beep.
Double beep and button led **A** turning on will confirm deactivation.

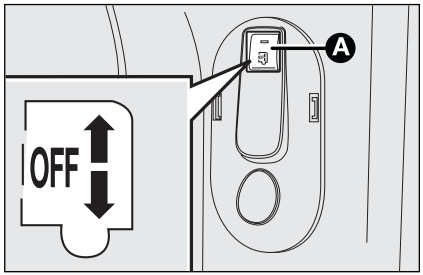


fig. 110 F0P0288m

Once the system is deactivated, to reactivate it (only with vehicle stationary) keep button **A-fig. 110** pressed until hearing the beep. Double beep and button led **A** turning on will confirm reactivation.

WARNING

Deactivate the automatic regulation in case of:
The substitution of a wheel
The transportation of the vehicle on a lorry, train, ferry, ship, etc.

LOAD RECOMMENDATIONS

This vehicle 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;

❒ max. load on front axle;

❒ max. load on rear axle;

❒ towable load.

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 the vehicle (especially for special version vehicles).

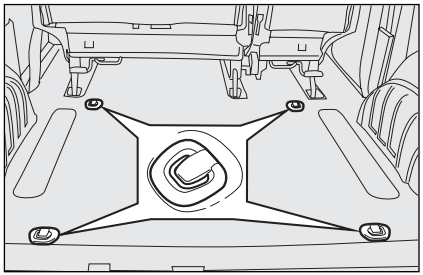


fig. 111

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 fig.111. 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.

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 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 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.

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.

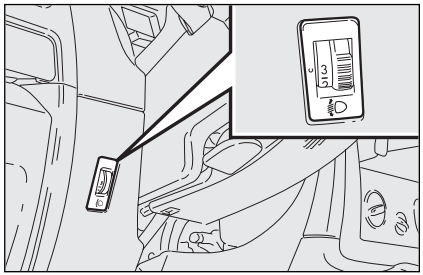


fig. 112

HEADLIGHT AIMING DEVICE

It works with ignition key at **M** 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. 112

Set the device **fig. 112** position according to the load carried as specified in the table below.

Position **0** - one or two passengers on front seats;

Position **1** - five passengers;

Position **2** - five passengers + load in the load compartment;

Position **3** - eight passengers + load in the load compartment or driver + maximum admitted load in the load compartment.

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.

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.

In addition it is the subject of a precise regulation of the traffic code.

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.

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 or 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 (ABS) on the instrument panel together with the 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 (ABS), (!) and STOP on the instrument panel together with the 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 vehicles equipped with ESP, in the event of ESP system failure (indicated by the switching on of warning light ⚠).

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 and ASR system, 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

The flashing led **B-fig. 113** present on the button, is to inform the driver that the vehicle is in critical conditions of road stability and adherence.

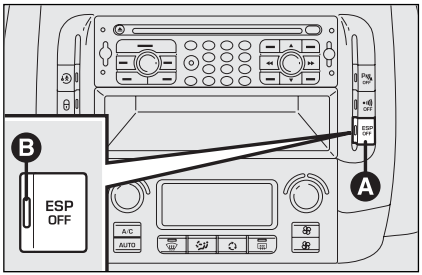


fig. 113

ESP SYSTEM DEACTIVATION

By pressing button **A-fig. 113**, situated on the bridge of the central compartment, the ESP system is deactivated.

The deactivation is signalled by the fixed led light on the button.

The system is re-activated:

❒ automatically, starting from 50 km/h

❒ manually, by pressing the button again.

FAILURE INDICATIONS

In case of an eventual anomaly, the ESP system automatically disconnects itself and on the instrument panel the warning light is fixed, accompanied by a beeper and a dedicated message on the display (see chapter "Warning lights and messages"). In which case please seek advice, as soon as possible, from the Fiat Dealership.

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.

ASR SYSTEM (Antislip Regulator)

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

In 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 system 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).

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.

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

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

Switching the ESP system off will automatically switch off the ASR system too.

When travelling, the ASR can be switched off and on again by pressing switch **A** located on the dashboard **fig. 119**.

When the ASR is switched off this is shown by the lighting up of the led **B-fig. 119** on the switch and by relevant message on the multifunction display, where provided.

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 malfunctioning, the ASR system is automatically disconnected and the warning light will come with fixed light on the instrument panel, (see section "Warning lights and messages").
In this case contact 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 (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 when turning the ignition key to M, the warning light does not turn on or if, while travelling it turns on glowing steadily or flashing, 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. 114** and their function is to inform the driver, through an intermittent buzzer, about the presence of obstacles behind the vehicle.

In order to deactivate the parking sensors, press button **A-fig. 115** present between the commands on the bridge of the central compartment. The deactivation is signalled by the lighting of the led **B** on the button.

In order to re-activate them, press button **A** again.

When the distance from the obstacle situated behind the vehicle diminishes, it corresponds with an increase in the frequency of the beeping.

WARNING The condition of the parking sensors (activated or deactivated) is memorised upon switching off the engine.

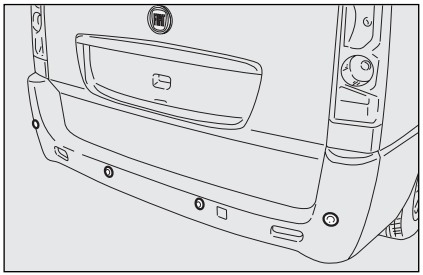


fig. 114 F0P0605m

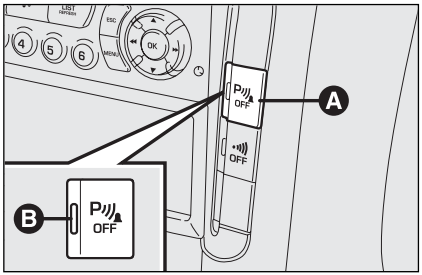


fig. 115 F0P0106m

BUZZER WARNINGS

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

The acoustic signal:

- ❒ becomes louder as the distance between the vehicle and the obstacle decreases;
- ❒ becomes continuous when the distance between the vehicle and the obstacle is less than 30 cm and stops immediately if the distance 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.

FAILURE INDICATIONS

Parking sensor failures, if any, will be indicated when engaging reverse by the buzzer and the turning on of led **B-fig. 115** together with the message on the display.

OPERATION WITH TRAILER

Deactivate parking sensors if you use the vehicle with trailer.

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.
- ❒ Indications sent by the sensors can be altered by dirt, snow or ice deposited on the sensors or by ultrasound systems (e.g.: truck pneumatic brakes or pneumatic hammers) set nearby the vehicle.

SOUND SYSTEM (where provided)

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

SOUND SYSTEM PRESETTING (where provided)

For details about the radio installed on the vehicle and the relevant system, read the instructions for use given in Supplement "Sound System" attached to this Owner Handbook.

WARNING

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

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.

INSTALLATION OF ELECTRIC/ELECTRONIC DEVICES

Electric/electronic devices installed after buying the vehicle and in after-market shall bear the following marking:

Fiat Auto S.p.A. authorizes the installation of transceivers, provided that installation is workmanlike performed in compliance with Manufacturer's specifications at a specialised service centre.

IMPORTANT The installation of devices involving modifications of vehicle characteristics may determine the withdrawal of the driving licence by the appointed public authorities and the forfeiture of the warranty as concerns defects/failures due to said modification or leading directly or indirectly to it.

Fiat Auto S.p.A. declines all responsibility due to damages connected with the installation of accessories/devices not supplied by or recommended by Fiat Auto S.p.A. and installed not in compliance with the specified prescriptions.

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

Operation at cold temperatures

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). If refuelling with diesel fuel not suitable for the current temperature, mix diesel fuel with TUTELA DIESEL ART additive in the proportions stated on the can, putting first the antifreeze in the tank and then the diesel fuel.

Refuel with local diesel fuel if the vehicle is used/parked in the mountains or in cold areas for a long period.

In this event you are recommended to keep an amount of fuel higher than 50% in the tank.

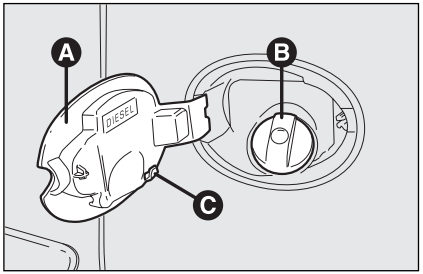


fig. 116 F0F0107m

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.

WARNING

Keep naked flames or lighted cigarettes away from 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.

Refuelling

To guarantee full tank filling, carry out two refuelling operations after the first click of the fuel delivery gun. Avoid further topping up operations that could cause damages to the fuel system.

FUEL FILLER CAP fig. 116

To carry out fuelling, open lid **A**, fit the ignition key into the cap lock and turn it counterclockwise, then loosen cap **B**.

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, secure the cap to the device **C** inside the lid.

During refuelling, do not open the left sliding door due to the fact that the open fuel door.

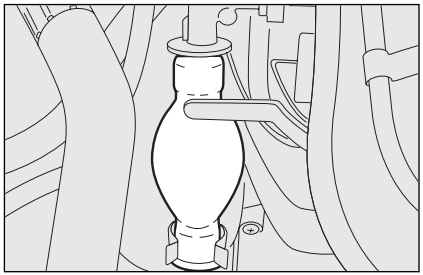


fig. 117

Diesel re-ignition pump

In case of the lack of fuel, it is necessary to re-start the circuit:

❒ fill the fuel tank with at least 5 litres of diesel;

❒ activate the manual re-operation pump, situated under the engine casing under the protection, until the fuel appears in the transparent tube;

❒ activate the starting engine, until the engine starts.

PROTECTING THE ENVIRONMENT

The devices for curtailing diesel engine emissions are:

❒ oxidising catalytic converter;

❒ exhaust gas recirculation system (E.G.R.);

❒ diesel particulate filter (DPF) (where provided).

WARNING

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

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.

DIESEL PARTICULATE FILTER (DPF) (where provided)

The Diesel Particulate Filter is a mechanical filter, integral with the exhaust system, that physically traps particulates present in the exhaust gases of Diesel engine.

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

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

Since this filter physically traps particulates, it shall be cleaned (reclaimed) at regular intervals by burning carbon particles.

Reclaiming procedure is controlled automatically by the engine control unit according to the filter conditions and the conditions of use of the vehicle.

During reclaiming the following phenomena could take place: idling slight increase, fan activation, slight smoke increase, high exhaust temperatures. These situations shall not be considered as faults and they do not affect vehicle performance and environment.

SAFETY DEVICES

SEAT BELTS 94

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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.

The seat belt reel mechanism ensures that the belt automatically adjusts to the wearer allowing him or her to move in complete freedom.

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.

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

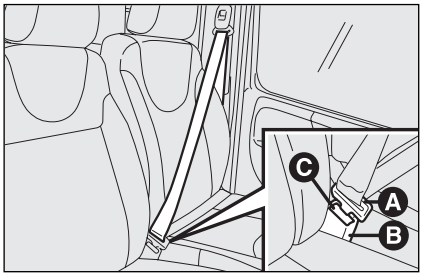

fig. 1 F0P0108m

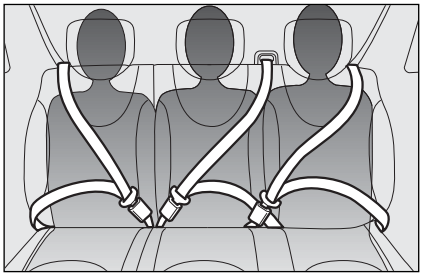
fig. 2 F0P0111m

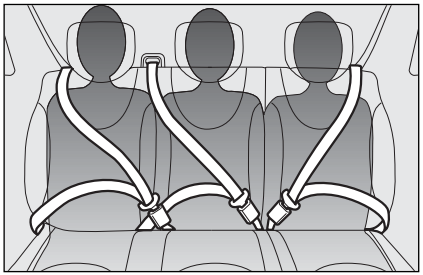
fig. 3 F0P0112m

WARNING

Never press button C-fig. 1 when travelling.

WARNING

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

WARNING

Make sure the backrest is properly secured at both sides to prevent it moves forward in the event of sharp braking causing injuries to passengers.

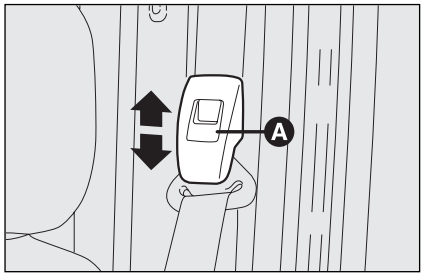

fig. 4 F0P0109m

ADJUSTING THE SEAT BELT HEIGHT fig. 4

WARNING

Only adjust seat belt height when the vehicle is stationary.

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.

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

To adjust, press the grip **A** and raise or lower the slider.

WARNING

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

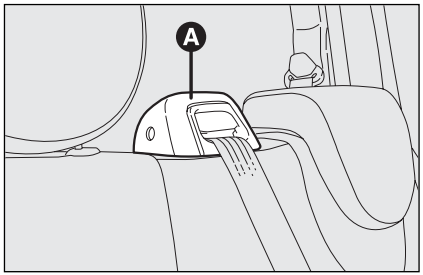

fig. 5 F0P0110m

USING THE CENTRAL SEAT BELT (where provided)

The central seat belt with three anchor points can be fitted with reel **A-fig. 5**.

WARNING

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

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 of warning light on the instrument panel, warns the driver and the front passenger to fasten the seat belt.

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

❒ fasten the driver's and passenger's seat belt;

❒ turn the ignition key to **M**;

❒ wait for over 20 seconds and then release one of the seat belts.

For permanent deactivation, contact Fiat Dealership.

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.

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

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

A 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.

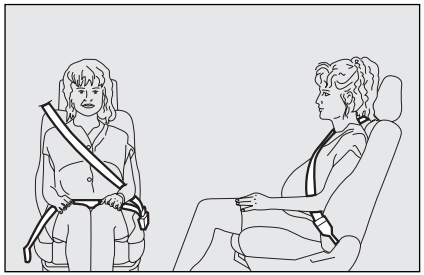

fig. 6 F0P0129m

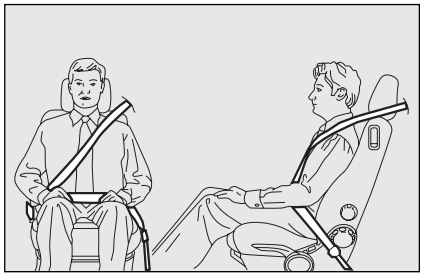

fig. 7 F0P0130m

fig. 8 F0P0131m

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.

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

Of course they must position the lower part of the belt very low down so that it passes under the abdomen, see **fig. 6**.

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

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.

WARNING

If the belt has been subjected to heavy stress, for example after and 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.

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 belt 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: Never place cradle child's seats on the front passenger seat of vehicles fitted with passenger's air bag since the air bag activation could cause serious injuries, even mortal. You are advised to carry children always on the rear seat, as this is the most protected position in the case of a crash. In any case, children's seats must absolutely not be fitted on the front seat of vehicles with passenger's air bag, which during inflation could cause serious injury, even mortal, regardless of the seriousness of the crash that triggered it.

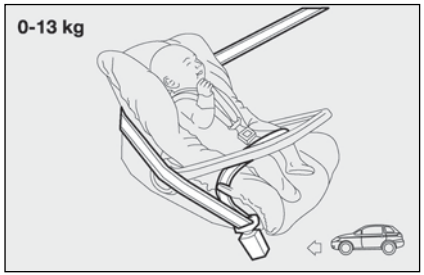

fig. 9 F0P0310m

fig. 10 F0P0311m

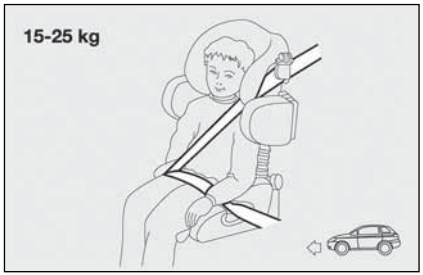

fig. 11 F0P0312m

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. 9** and in turn it must restrain the child with its own belts.

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. 10**.

GROUP 2

Starting from 15 kg to 25 kg in weight, children may be restrained directly by the vehicle belts **fig. 11**. 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.

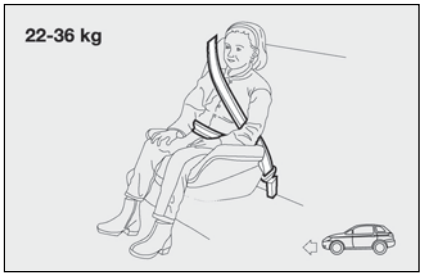

fig. 12 F0P0313m

GROUP 3

For children from 22 kg up 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. 12 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

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

FIRST ROW SEATS		INDICATIVE RANGE OF WEIGHT AND AGE			
		Less than 13 kg (group 0 and 0+)	9 to 18 kg (group 1)	15 to 25 kg (group 2)	22 to 36 kg (group 3)
PASSENGER'S AIR BAG OFF	Passenger side single seat	U	U	U	U
	Side passenger bench seat	U	U	U	U
	Central bench seat	X	L	L	L

SECOND/THIRD ROW SEATS		INDICATIVE RANGE OF WEIGHT AND AGE			
		Less than 13 kg (group 0 and 0+)	9 to 18 kg (group 1)	15 to 25 kg (group 2)	22 to 36 kg (group 3)
PASSENGER'S AIR BAG OFF	Side seats	U	U	U	U
	Central seats	U	U	U	U

Key

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

X: no child restraint system

L: suitable for certain child restraint systems available at Lineaccessori Fiat for the specified group.

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.

PRESETTING FOR MOUNTING THE "UNIVERSAL ISOFIX" CHILD RESTRAINT SYSTEM

This vehicle is preset for mounting the Universal Isofix child restraint system, a new European standardised system for carrying children safely.

Fig. 13 shows a child's seat by way of example.

The Universal Isofix child's seat covers weight group: 1.

Due to its different anchoring system, the Universal Isofix child's seat shall be anchored to the proper lower metal rings **A-fig. 14**, set between rear seat back and cushion. The upper belt (provided with the child's seat) shall be then secured to ring **A-fig. 15** set at the back of the seat backrest at child's seat height.

It is possible to mount at the same time both the traditional restraint system and the "Universal Isofix" one.

Remember that in case of Universal Isofix child's seat, you can only use all those seats approved with the marking ECE R44/03 "Universal Isofix".

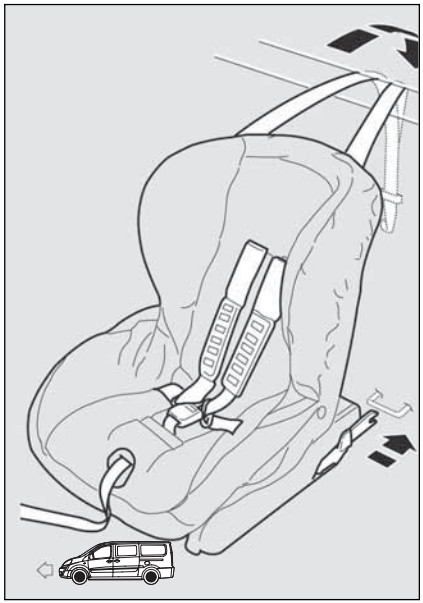

fig. 13 F0P0314m

"Universal Isofix" "Duo Plus" child's seat is available at Lineaccessori Fiat.

For any further installation/use detail, refer to the "Instructions Manual" that must be provided by the child restraint system Manufacturer.

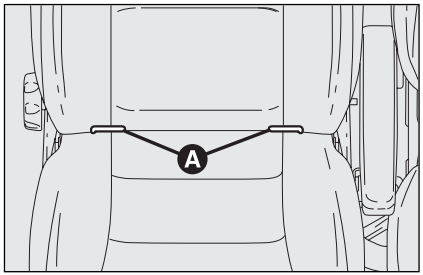

fig. 14 F0P0315m

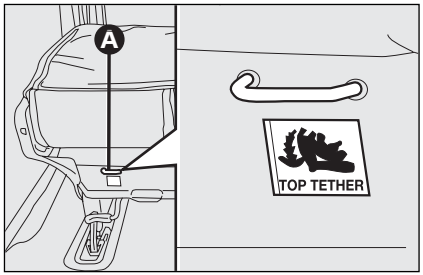

fig. 15 F0P0316m

WARNING

Mount the child restraint system only with the vehicle stationary. The Isofix child restraint system is properly anchored to the mounting brackets when clicks are heard. In any case, keep to the installation instructions that must be provided by the child restraint system's Manufacturer.

PASSENGER SEAT COMPLIANCE WITH REGULATIONS ON UNIVERSAL ISOFIX CHILD'S SEAT USE

The table below, according to ECE 16 European Directive, shows the different installation possibilities of Universal Isofix restraint systems on seats fitted with Isofix fasteners.

Range of weight	Child's seat direction	Isofix size category	Isofix position side rear
Group I - 9 to 18 kg	Facing forwards	B	IUF
	Facing forwards	B1	IUF
	Facing forwards	A	IUF

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

FRONT AIRBAGS

The vehicle is fitted with front air bags for the driver, for the passenger and with driver's knees air bag (where provided).

The front driver / passenger air bags and the driver's knees air bag (where provided) 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, rollovers, etc.) is not a system malfunction.

In case of 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 front driver / passenger air bags and the driver's knees air bag (where provided) 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 bag 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.

DRIVER'S FRONT AIR BAG fig. 16

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

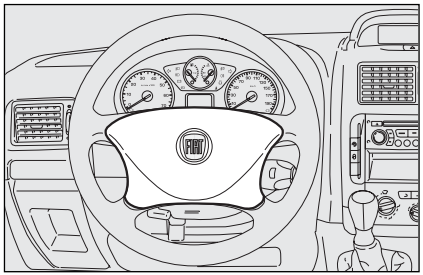

fig. 16 F0P0606m

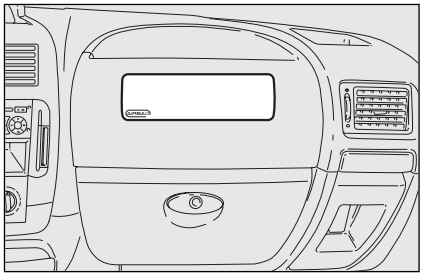

fig. 17 F0P0114m

PASSENGER'S FRONT AIR BAG (where provided) fig. 17

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.

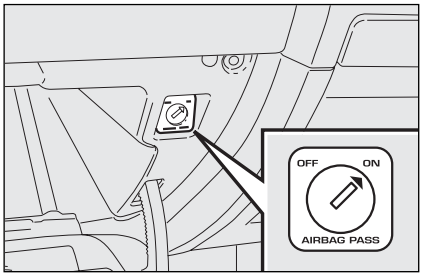

fig. 18

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 deactivating device **fig. 18** is located at the glovebox edge; to use it open the glovebox lid.

Use the ignition key to turnthe deactivating device to **OFF** and deactivate the air bag or to **ON** to activate it.

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

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 and rear 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.

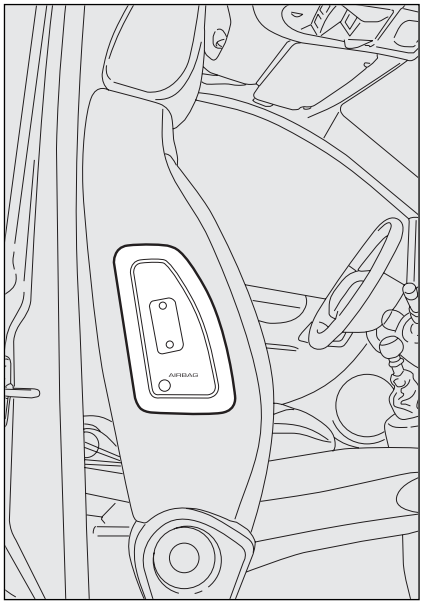

fig. 19 F0P0116m

FRONT SIDE BAGS - CHEST AND PELVIS ZONE PROTECTION fig. 19 (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 and pelvis zone in the event of a side crash of medium-high severity.

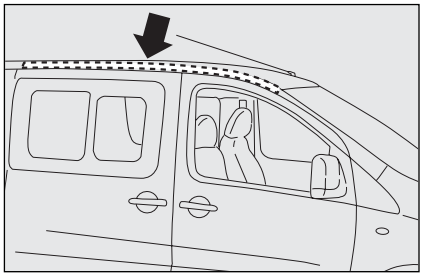

fig. 20

SIDE WINDOW BAGS - HEAD PROTECTION fig. 20 (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 and rear 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.

Expiry dates for pyrotechnic charge and coil contact are specified on the label inside the glovebox. As this date approaches, contact Fiat Dealership to have it 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 M the warning light ✨ does not turn on or if it stays on when travelling there could be a failure in safety systems; in this event air bags or pretensioners 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 M, 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 S, 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 M, 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

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

WARNING

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

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.

CORRECT USE OF THE VEHICLE

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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".

The engine may be noisier than usual during the first seconds of operation, especially after it has not been used for a while. This characteristic feature does not compromise functionality or reliability of the hydraulic tappets: the timing system devised to limit servicing.

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 servobrake 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.

Dashboard and controls

Proceed as follows:

- ❒ Ensure that the handbrake is up;
- ❒ Put the gear lever into neutral;
- ❒ Turn the ignition key to **M**: the warning light on the instrument panel display will turn on;
- ❒ Wait for the warning light to turn off. The hotter the engine is, the quicker this will happen;
- ❒ Press the clutch pedal down to the floor without touching the accelerator;
- ❒ Turn the ignition key to **D** as soon as warning light goes out. 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 **S** before repeating starting.

If, when the ignition key is at **M**, the display warning light remains lit, turn the key to **S** and then back to **M**; if the warning lights remain on, try with the other keys provided with the vehicle.

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

The warning light m 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 key to **S** 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

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.

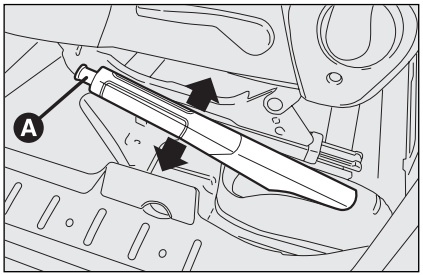

fig. 1 F0P0118m

HANDBRAKE fig. 1

The handbrake lever is located next to 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.

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

To release the handbrake:

❒ slightly lift the handbrake and press 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 from moving accidentally.

If pneumatic suspensions are fitted when parking always make sure there is enough space above the roof and around the vehicle. The vehicle could actually raise (or lower) automatically according to changes in temperature or load.

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).

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.

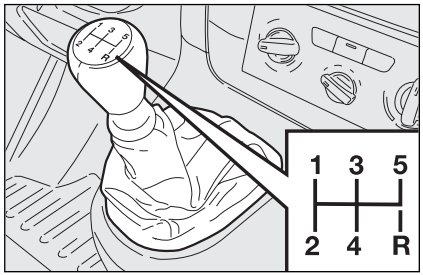

fig. 2 - 5 speed gearbox F0P0119m

5 speed gearbox fig. 2

In order to activate the reverse motion **R** from the neutral position, move the lever towards the right and then backwards.

6 speed gearbox fig. 2/a

In order to activate the reverse motion **R** from the neutral position, lift the sliding collar placed under the knob and, at the same time move the lever towards the left and then forwards.

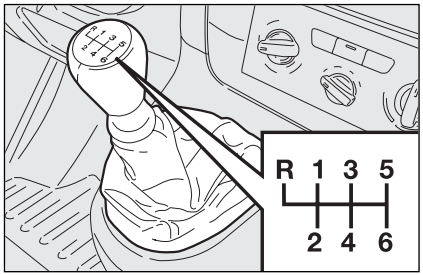

fig. 2/a - 6 speed gearbox F0P0347m

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.

CONTAINING RUNNING COSTS

Some suggestions which may help you to keep the running costs of the vehicle down and lower the amount of toxic emissions released into the atmosphere are given below.

GENERAL CONSIDERATIONS

Vehicle maintenance

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

Tyres

Check tyre inflation pressure regularly. Tyres should be checked at least once every four weeks: if the pressure is too low, fuel consumption increases as the resistance to the rolling movement of the tyre is greater.

Unnecessary loads

Do not travel with too much load.
The weight of the vehicle (specially in urban traffic) and its trim greatly effects 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 selections

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 an engine wear.

Top speed

Fuel consumption increases considerably as speed increases. Your speed should be kept as even as possible and superfluous braking and acceleration avoided as this increases both consumption 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.

Enforced halts

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

TOWING TRAILERS

IMPORTANTS

For towing caravans or trailers the vehicle must be fitted with a certified tow hook and an adequate electric system.

To prevent damages to the vehicle electric system, adopt an electronic control unit specially designed and dedicated to the trailer.

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.

Do not exceed the speed limits of the country you are driving in. In any case do not exceed 100 km/h.

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.

SNOW TYRES

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

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

The use of snow chains is regulated by the legislation in force in the country the vehicle is driven in.

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.

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;

❒ check that 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;

❒ 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".

INDICATIONS AND WARNING LIGHTS ON INSTRUMENT PANEL

LOW BRAKE FLUID (red)

HANDBRAKE ON (red)

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

Low brake fluid

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

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.

Handbrake on

The warning light turns on when the handbrake is engaged.

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

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

AIR BAG FAILURE (red)

Turning the ignition key to **M** 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.

WARNING

If when turning the ignition key to M, 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 .

ENGINE COOLANT HIGH TEMPERATURE (red)

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

The warning light turns on when the engine is overheated.

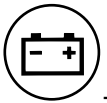
The flashing of the warning lights indicates a level of engine coolant which is too low.

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 for any leak. If, when restarting, the warning light comes on again, contact a Fiat Dealership.

❒ **Vehicle 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.



LOW BATTERY CHARGE (red)

Turning the ignition key to **M** 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 remains lit constantly seek immediate advice from the Fiat Dealership.

If the warning light flashes: it signals that the vehicle is in the "economy mode" and has deactivated some unnecessary functions.

LOW PRESSURE/HIGH TEMPERATURE OF ENGINE OIL (red)

Low engine oil pressure

Turning the ignition key to **M** the warning light turns on, but it should go out as soon as the engine is started.

WARNING

If the warning light turns on when travelling stop the engine immediately and contact a Fiat Dealership.

WARNING

If warning light flashes, contact Fiat Dealership immediately to have oil changed and instrument panel warning light turned off.

ELECTRIC POWER STEERING FAILURE (amber)

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

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

INCOMPLETE DOOR LOCKING (red)

The warning light lights up, on some versions, when one or more doors are not perfectly closed.

If the warning light lights up; check that the passenger compartment, the side, rear and the engine casing doors are closed.

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

SEAT BELTS NOT FASTENED (red)

The warning light on the dial turns on glowing steadily with vehicle stationary and driver's seat belt not fastened correctly. The warning light will turn on flashing together with the buzzer when, with vehicle moving, the front seat belts are not fastened correctly. Certain versions are fitted with a display above the driving mirror that indicates by two warning lights that driver's or passenger's seat belt are not fastened.

EBD SYSTEM FAILURE (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.

INJECTION SYSTEM FAILURE (amber)

Under normal conditions, turning the ignition key to **M**, 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 ignition system which could cause possible lack of performance, poor handling and high consumption levels.

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)

Warning light comes on when front passenger's air bag is deactivated.

With front passenger's air bag on, turning the ignition key to **M**, 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.

ABS SYSTEM FAILURE (amber)

Turning the ignition key to **M** 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.

STOP (red)

It turns on simultaneously with any warning light.

WARNING

If the warning light lights up: stop, park the car, take out the starting key and seek advice from the Fiat Dealership.

FUEL RESERVE (amber)

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

When the warning light lights up, go to a service station to refuel.

IMPORTANT The warning light flashes to indicate a failure, contact Fiat Dealership as soon as possible to have the system checked.

REAR FOG LIGHTS (amber)

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

GENERIC FAILURE INDICATION (amber)

This warning light starts flashing to indicate a non-serious failure. It turns on glowing steadily to indicate a serious failure. In any case the relevant message will be displayed.

Contact Fiat Dealership according to the seriousness of the indication.

If the level of the diesel additive to the anti-particulate filter (DPF version) is at the minimum level: the warning light switches on together with an acoustic warning and a message on the display. Contact Fiat Dealership.

ESP SYSTEM FAILURE (amber)

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

If the warning light flashes, it signals an avoided slipping of the wheels. In this case the system optimises the drive and it allows the improvement of the directional stability of the vehicle. If the warning light remains lit (led on the **ESP OFF** button – switched off) it signals a system dysfunction. In this case check the tyre pressure and/or seek advice from the Fiat Dealership. If the warning light remains lit (led on the **ESP OFF** button switched on) it signals the deactivation of the system.

Note the flashing of the warning light during transit indicates the operation of the ESP system.

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.

FRONT FOG LIGHTS (green)

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

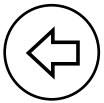
DIPPED HEADLAMPS (green)

The warning light lights up activating the dipped headlamps.

REAR PNEUMATIC SUSPENSIONS (red) (where provided)

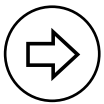
The warning light flashes when an abnormal difference between the detected height limit and that which is recommended. In this case: with automatic regulation, drive slowly (approx. 10 km/h) until the warning light switches off. With manual regulation, return to the recommended height limit which has remained blocked high or low.

The warning light remains lit upon the starting of the engine or during transit when abnormal pneumatic compensation occurs. In this case: it is important to stop and seek advice from the Fiat Dealership.



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.

MAIN BEAM HEADLIGHTS (blue)

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

INDICATIONS AND WARNING LIGHTS ON DISPLAY

Warning light	Indication	
	CRUISE CONTROL	By turning the key to the **M** position, the warning light lights up, but it must switch itself off after a few seconds. The warning light lights up when the Cruise Control is activated.
	SPEED RESTRICTOR	The warning light lights up when the speed restrictor is activated.
	GLOW PLUG WARMING	Turning the ignition key to **M** 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.
	WATER IN DIESEL FUEL FILTER	Turning the ignition key to **M** 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. ***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, 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.***
	SCHEDULED SERVICING	Turning the ignition key to **M**, the warning light turns on, but it should go off after few seconds. The warning light turns on when a scheduled servicing operation is to be carried out.

IN AN EMERGENCY

In an emergency we recommend that you call the toll-free number found on the Warranty Booklet. You can also connect to the site www.fiat.com to search for the nearest Fiat Dealership point

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ENGINE STARTING

JUMP STARTING fig. 1

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.

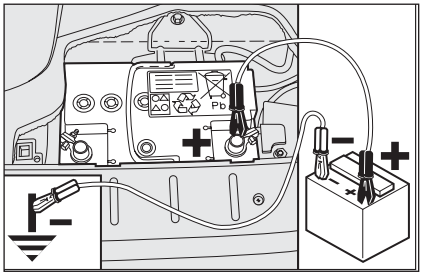

fig. 1

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.

Proceed as follows:

- ❒ Connect positive terminals (**+** near the terminal) of the two batteries with a jump lead;
- ❒ With a second lead, connect the negative terminal (**–**) of the auxiliary battery to an earthing point ⏚ on the engine or the gearbox of the vehicle to be started;
- ❒ 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.

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 to 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.

WARNING

Before starting to change the wheel, deactivate the pneumatic suspension system (where provided). See paragraph "Pneumatic suspensions" in this section.

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

To change a wheel proceed as follows:

❒ Stop the 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;

❒ On certain versions to take the jack you have to open the protection lid **A-fig. 2**;

❒ Take the operating handle **A-fig. 3** out of the relevant retainers;

❒ Loosen the locking device **B-fig. 3**;

❒ Use handle **B-fig. 3** to loosen the spare wheel support locking bolt **fig. 4**;

❒ Remove the hub-cap (where provided) by using the supplied tool;

❒ Loosen one turn the bolts of the wheel to change;

❒ Turn the handle to extend the jack partially;

❒ Set the jack in the proper seat close to the wheel to change;

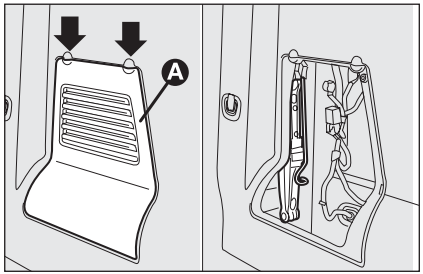

fig. 2 F0P0294m

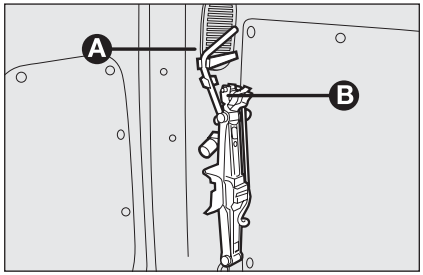

fig. 3 F0P0190m

❒ Make sure the jack slot fits properly onto the side member tab;

❒ 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;

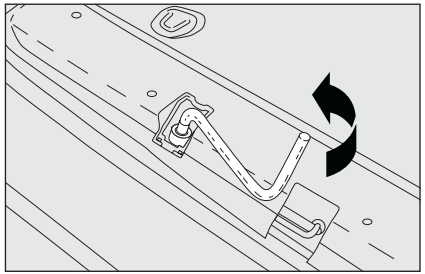

fig. 4 F0P0296m

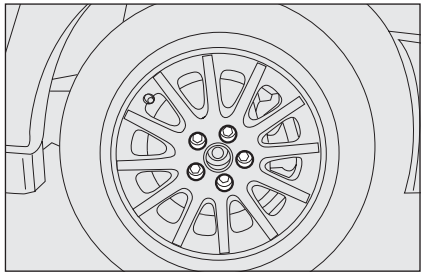

fig. 5 F0P0295m

❒ Turn the jack handle and lift the vehicle until the wheel to be changed is several centimetres off the ground. When turning the jack handle make sure that it can be used easily and take care not to scrape your hand against the ground. The moving parts of the jack (screw and joints) may also cause injury if touched. Clean off any grease;

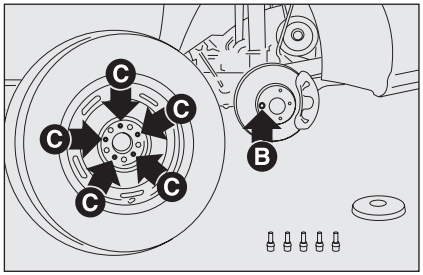

fig. 6 F0P0307m

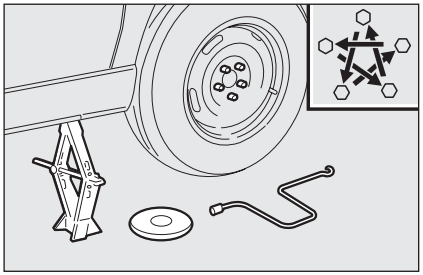

fig. 7 F0P0308m

❒ Remove the hub-cap by using the tool supplied with the vehicle. Unscrew the anti-theft bolt (versions with alloy wheel rims) (one per wheel) by using the tool supplied with the vehicle and then the remaining bolts so as to remove the wheel;

❒ Make sure the contact surfaces between spare wheel and hub are clean so that the fastening bolts will not come loose. Fit the spare wheel making one of the holes **C-fig. 6** coincide with pin **B**;

❒ Tighten the 5 fastening bolts;

❒ Turn the jack handle to lower the vehicle and remove the jack;

❒ Fasten bolts completely, working in a criss-cross fashion as shown in **fig. 7**;

❒ Refit the wheel cap (where provided).

When you have finished:

❒ Stove the flat tyre into the proper housing under the floor and tighten the locking bolt;

❒ Refit the handle and the jack into the relevant retaining system;

❒ Refit the tool retaining system by tightening it into the relevant seat by means of the locking device.

IMPORTANT Check the inflation pressure of the tyres and the spare wheel regularly.

IMPORTANT You will need to change the set of bolts if you want to change the type of wheels fitted (alloy rims instead of steel rims, and vice versa). You will have to change the entire set of fastening bolts with another set of suitably sized bolts.

You should keep the bolts and spare wheel in case you decide to use the original type of wheel later on.

Fit the wheel cap making the symbol coincide with the inflation valve.

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 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 All glass bulbs: these are pressed on. Pull to remove.

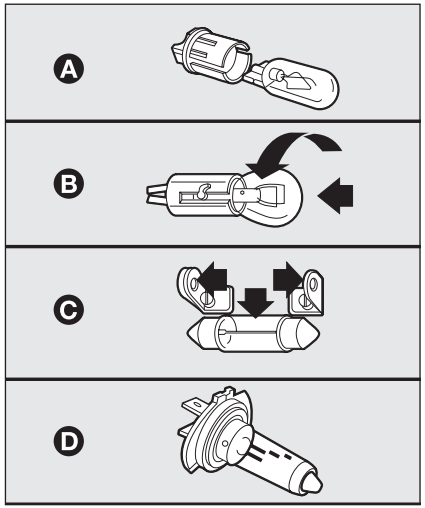

fig. 8 F0P0216m

B Bayonet type bulbs: to remove this type of bulb from its holder, press the bulb and turn it counter-clockwise.

C Tubular bulbs: release them from their contacts to remove.

D Halogen bulbs: to remove the bulb, release the clip holding the bulb in place.

Bulbs	Ref. figure	Type	Power
Main beam headlights	D	H4	55W
Dipped beam headlights	D	H4	55W
Front sidelights	A	W5W	5W
Front fog lights (where provided)	D	H4	55W
Front direction indicators	B	PY21W (amber)	21W
Side direction indicators	A	WY5W (amber)	5W
Rear direction indicators	B	PY21W (amber)	21W
Taillights	B	P21/5W	5W
Brake lights	B	P21/5W	5W
3rd stop light (supplementary stop light): – double-hinged rear doors	A	W5W	5W
– double-hinged rear doors (high roof)/ rear hatchback	B	P21W	21W
Reversing light	–	P21W	21W
Rear fog lights	–	P21W	21W
Number plate lights	A	W5W	5W
Front ceiling light with spot lights	C	12V5W	5W
Rear ceiling light	C	12V5W	5W

IF AN EXTERIOR BULB BURNS OUT

For the type of bulb and power rating, see previous paragraph "If a bulb burns out".

FRONT LIGHT UNITS

The front light units contain dipped beams, main beams, sidelights and direction indicators bulbs.

DIPPED BEAM/ MAIN BEAM HEADLIGHTS fig. 9

To change the bulb, proceed as follows:

❒ pull the central cap **A** operating the relevant tab;

❒ disconnect the electric connector;

❒ release the bulb holder catch;

❒ replace the bulb and refit the cap **A**, check for proper locking.

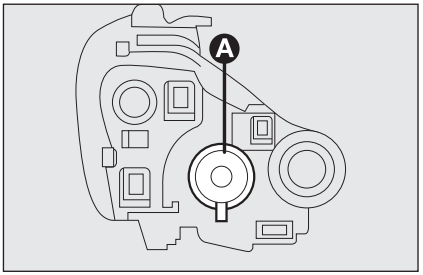

fig. 9 F0P0178m

SIDELIGHTS fig. 9

To change the bulb, proceed as follows:

❒ pull the central cap **A** operating the relevant tab;

❒ remove the snap-fitted bulb holder and disconnect the electric connector;

❒ replace the bulb and refit the cap **A**, check for proper locking.

FRONT DIRECTION INDICATORS fig. 10

To change the bulb, proceed as follows:

❒ turn the bulb holder **A** counterclockwise;

❒ after removing the bulb holder, remove the bulb pushing it gently and turning it counterclockwise .

❒ replace the bulb and refit the bulb holder **A** by turning it clockwise and locking it properly.

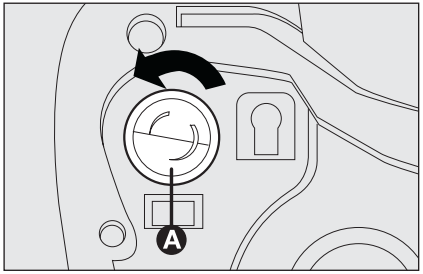

fig. 10 F0P0179m

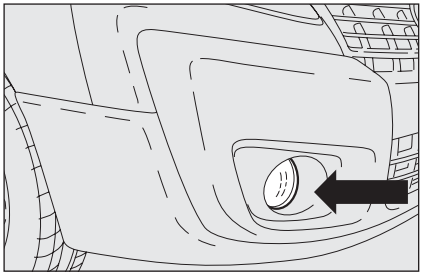

fig. 11 F0P0181m

FRONT FOG LIGHTS fig. 11

The rear headlights contain the bulbs for the position/stop, direction, reverse and rear fog lights.

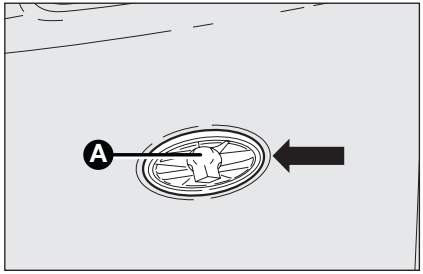

fig. 12 F0P0297m

SIDE DIRECTION INDICATORS fig. 12

To change the bulb, proceed as follows:

❒ work on the lens **A** to compress the internal catch, then pull the unit outwards;

❒ turn the bulb holder counterclockwise, remove the snap-fitted bulb and replace it;

❒ refit the bulb holder in the lens by turning it clockwise;

❒ refit the unit making sure the catch clicks into place.

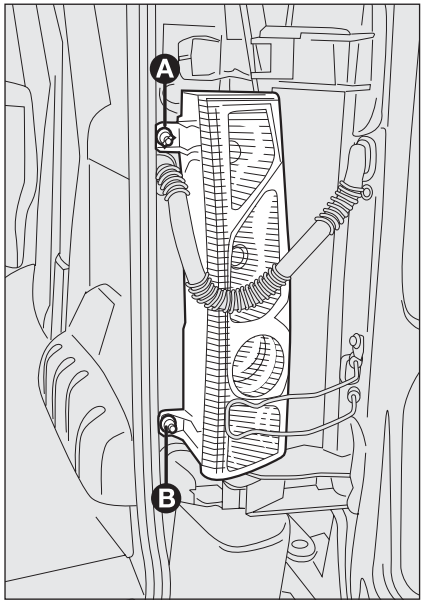

fig. 13 F0P0184m

REAR LIGHT UNITS
fig. 13

Rear light units contain taillights, brake light, direction indicators and reversing light bulbs.

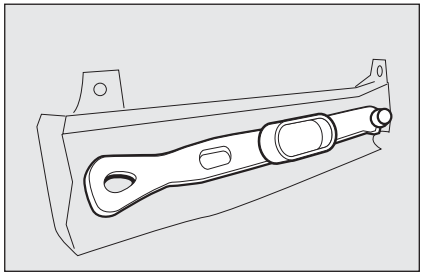
fig. 14 F0P0185m

To remove the rear headlights and replace the bulbs, wide open (180°) the rear double doors (see paragraph "Rear double doors" in section "Dashboard and controls").

To replace a bulb proceed as follows:

❒ Identify the bulb to be substituted;

❒ Remove the two fixing nuts **A** and **B**

❒ From the outside, slide out the transparent group;

❒ Keeping hold of the group, undo the electrical connector;

❒ Widen the flaps and extract the lamp holder;

❒ Extract the bulb to be substituted by slightly pushing and turning it counterclockwise ("bayonet" lock) and therefore substitute it.

THIRD BRAKE LIGHT

With boot tailgate

To change a bulb proceed as follows:

❒ open the tailgate;

❒ slacken the fastening screws **A**;

❒ press both ends of the catch and remove the lens unit housing the bulbs;

❒ disconnect the electric connector;

❒ remove the snap-fitted bulb and replace it.

With rear double doors fig. 16

To change a bulb proceed as follows:

❒ undo the fixing screws **A** with a Torx™ screwdriver with a 20" head;

❒ remove the bulb holder;

❒ remove the snap-fitted bulb and replace it.

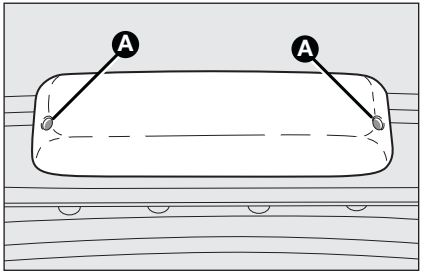

fig. 15 F0P0210m

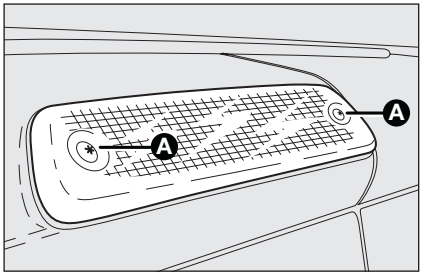

fig. 16 F0P0211m

High Roof Version

❒ undo the fixing screws **A** with a 8" wrench;

❒ take out the lamp holder;

❒ take out the pressure assembled bulb and substitute it.

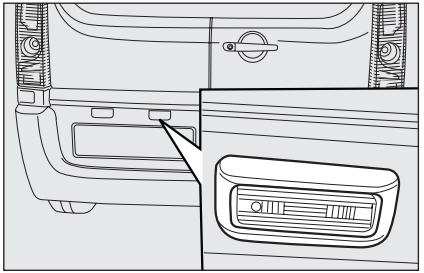

fig. 17 F0P0212m

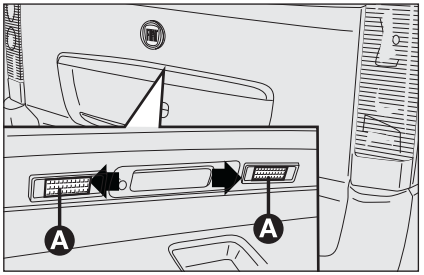

fig. 18 F0P0607m

NUMBER PLATE LIGHT

To change a bulb proceed as follows:

Versions with hinged doors fig. 17

❒ working from the inside of the vehicle, remove the internal covering

❒ disconnect the connector by widening the relevant flap;

❒ remove the plastic protection;

❒ rotate lamp-holder by one fourth of revolution anticlockwise;

❒ change the bulb.

Versions with hatchback fig. 18

❒ working from the outside of the vehicle at the point indicated by the arrow and remove transparent group **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 BULB BURNS OUT

For the type of bulb and power rating, see paragraph "When needing to change a bulb".

CEILING LIGHT

To replace the bulbs proceed as follows:

❒ work in the points shown by the arrows and remove light;

❒ replace bulbs releasing them from the side contacts; make sure that new bulbs are correctly clamped between contacts;

❒ secure the light into its housing locking it properly.

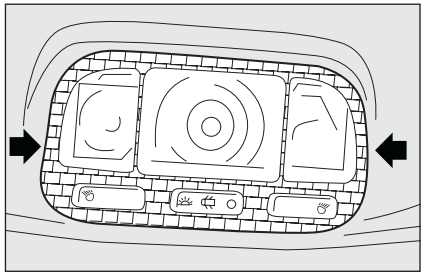

fig. 19 F0P0298m

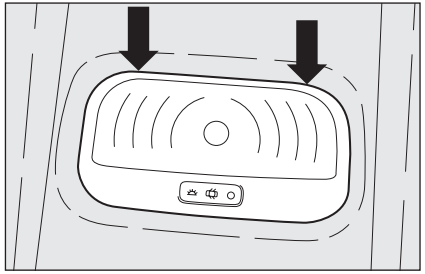

fig. 20 F0P0234m

IF A FUSE BLOWS

GENERAL FEATURES

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. 21** 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.

In order to substitute a fuse, it is necessary to use the supplied nippers **A-fig. 21/a** situated, together with the spare fuses, behind removable door **B**.

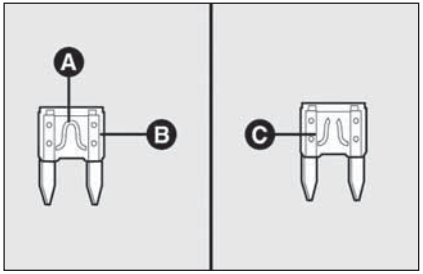

fig. 21 F0P0236m

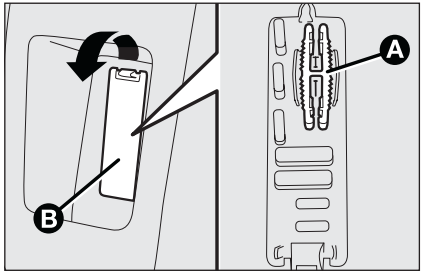

fig. 21/a F0P0348m

Never replace a broken fuse with metal wires or anything else.

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.

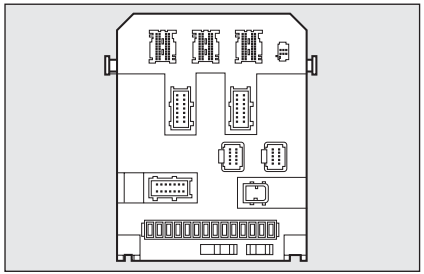

fig. 22 F0P0299m

❒ Tilt the object holding compartment and forcibly pull it out so as to access the fuses.

Fuse box on the dashboard on passenger side

USERS	FUSE	AMPERE
Rear window wiper	F1	15
Free	F2	–
Airbag control unit	F3	5
Headlight aiming device, diagnostic socket, ESP control unit, ventilation, particulate filter pump, steering sensor	F4	10
Power rearview mirror, passenger power window	F5	30
Front window power	F6	30
Ceiling lights, glovebox light	F7	5
Multi-function Display, anti-theft alarm siren, sound system, CD-Changer, Radiotelephone, trailer services control unit, Panel workers protection control unit	F8	20
Cigar lighter, load compartment outlet	F9	10
Rear trimming strip, starting device, instrument panel	F10	30
Diagnostic socket, anti-theft system control unit	F11	15
Kit main libre, airbag control unit	F12	15
Engine utilities control unit, trailer utilities control unit	F13	5
Rain sensor, automatic acclimatiser instrument panel, ventilation rear part of passenger compartment (combined fittings)	F14	15
Door locking/unlocking	F15	30
Free	F16	–
Rear heated window and door mirrors defroster	F17	40

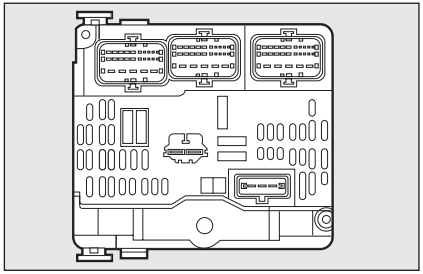

fig. 23

❒ After having opened the engine bay, slide the support of the window winder liquid so as to make the access easier.

❒ Unhook and turn the fuse box upside down so as to access the fuses.

Fuse box in engine compartment

USERS	FUSE	AMPERE
Engine control unit, fuel and air supply device, fan unit	F1	20
Horn	F2	15
Windscreen and rear window washing pump	F3	10
Headlight washing pump	F4	20
Fuel supply device	F5	15
Secondary brake pedal contact, power steering	F6	10
ABS/ESP	F7	10
Ignition switch	F8	20
Main brake pedal contact	F9	10
Fuel and air supply device	F10	30
Front ventilation	F11	40
Windscreen wiper	F12	30
Utilities control unit	F13	40
Free	F14	30

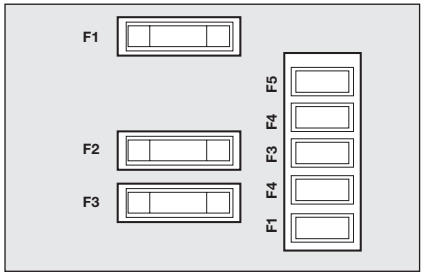

fig. 24 F0P0241m

❒ Unhook the cover of the battery compartment.

❒ Remove the terminal of the red battery (+).

After every operation, carefully close the cover.

Fuse box in passenger compartment (on battery)

USERS	FUSE	AMPERE
Seat warming system	F1	30
12V socket –third row seats (combined fittings)	F2	–
Trailer services control unit and (where provided) Panel workers protection control unit	F3	40/50
Free	F4	–
Swing-door locks	F36	15
Swing-door locks	F37	10
Rear window wiper on swing-door	F38	20
Ventilation rear part of passenger compartment (combined fittings)	F39	–
Folding mirrors	F40	5

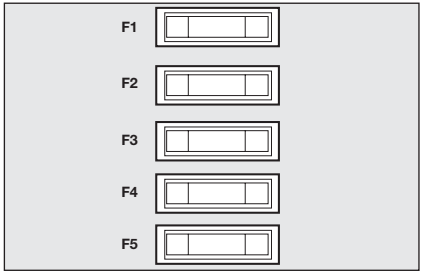

fig. 25

Additional fusebox

USERS	FUSE	AMPERE
Free	F1	15
Optional generator and contact relay	F2	15
Trailer power	F3	15
Permanent power for converters	F4	15
Hazard lights	F5	40

IF THE BATTERY IS FLAT

IMPORTANT The battery charging procedure is described only for information purposes. This operation should be carried out by Fiat Dealership.

Charging should be slow at a low amp rating for 24 hours. Charging for a longer time may 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 battery negative terminal.

WARNING

The liquid contained in the battery is poisonous and corrosive. Avoid contact with the skin or eyes. The battery should be charged in a well ventilated place, away from naked flames or possible sources of sparks: danger of explosion and fire.

WARNING

Do not attempt to charge a frozen battery: it must firstly be thawed, otherwise it may burst. If 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.

ECONOMY MODE

After switching off the engine, when the key is at the **M** position, some functions (windscreen wipers, window winders, map lights, car radio, etc.) can be used only for a maximum of thirty minutes, so as to avoid the battery to be run down.

Once these thirty minutes have passed, the active functions are put in stand-by and the warning light of the battery flashes, accompanied by a message on the display.

To immediately recover the use of these functions, it is necessary to start the engine and to keep it running for a few seconds.

The time which will be available will be the double of the engine starting time.

However, this period of time will be between five and thirty minutes.

If the battery is run down, the engine cannot be started.

TOWING THE VEHICLE

The tow ring provided with the vehicle is housed in the engine compartment as shown in **fig. 26**.

TOW RING HOOKING

Proceed as follows:

❒ open the bonnet and release the tow ring **A-fig. 26** from its seat;

❒ take away the front or rear door **B-fig. 27** using the supplied screwdriver;

❒ completely undo the drawbar eye on the relative threaded pin.

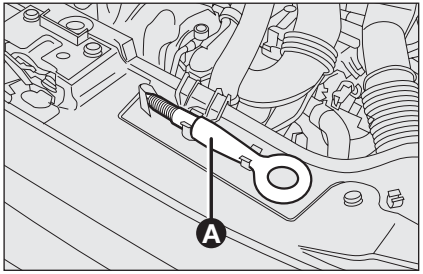

fig. 26 F0P0243m

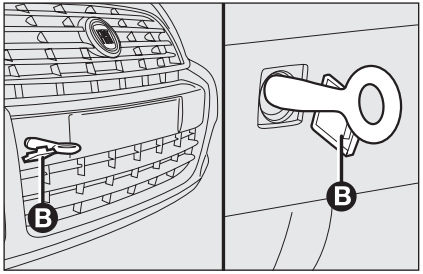

fig. 27 F0P0608m

WARNING

Do not start the engine when towing the vehicle.

WARNING

Before screwing the drawbar eye, carefully clean the relative threaded part. Before starting to tow the vehicle, take care also to have completely tightened the drawbar eye onto the threaded pin.

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.

VEHICLE MAINTENANCE

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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 30,000 km.

It is however important to remember that scheduled servicing does not completely cover all the vehicle's requirements: also in the initial period before 30,000 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

Service coupons shall be performed every 30,000 km

Thousands of km	30	60	90	120	150	180
Check tyre conditions/wear and adjust pressure if required	●	●	●	●	●	●
Check light system operation (headlights, direction indicators, hazard lights, load compartment lights, instrument panel warning lights, etc.)	●	●	●	●	●	●
Check windscreen wiper/washer operation and adjust nozzles, if required	●	●	●	●	●	●
Check windscreen/rear window blade position/wear	●	●	●	●	●	●
Check brake pads wear and regular operation of front and rear disc brake pads wear indicator (where provided)	●	●	●	●	●	●
Check rear drum brake linings wear (where provided)		●		●		●
Sight inspect the conditions of: Bodywork and underbody protection, pipes and hoses (exhaust - fuel - brakes) Rubber parts (boots, sleeves, bushes, etc.)- Brake and fuel hoses	●	●	●	●	●	●
Check accessory drive belt conditions/tension (excluding engines fitted with automatic belt tighteners)		●			●	
Check and adjust handbrake lever stroke, if required	●	●	●	●	●	●
Check exhaust emissions	●	●	●	●	●	●
Check cleanness of locks and cleanness and lubrication of levers	●	●	●	●	●	●

Thousands of km	30	60	90	120	150	180
Change engine oil and oil filter	●	●	●	●	●	●
Bleed diesel fuel filter	●		●		●	
Change diesel fuel filter		●		●		●
Replace air cleaner cartridge		●		●		●
Check and if required top up fluids (engine coolant - brakes - power steering - windscreen washer - etc.)	●	●	●	●	●	●
Sight inspect accessory drive belt/s conditions	●	●	●	●	●	●
Sight inspect timing belt conditions				●		
Replace timing belt (*)						
Check engine control system operation (through diagnosis socket)	●	●	●	●	●	●
Change brake fluid (or every 24 months)		●		●		●
Change pollen filter (or every 2 years)	●	●	●	●	●	●
Top up special DPF fluid (140 Multijet version)				●		
Replace diesel particulate filter (140 Multijet version)						●

(*) Replace timing belt every 180,000 km or every 10 years

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.

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.

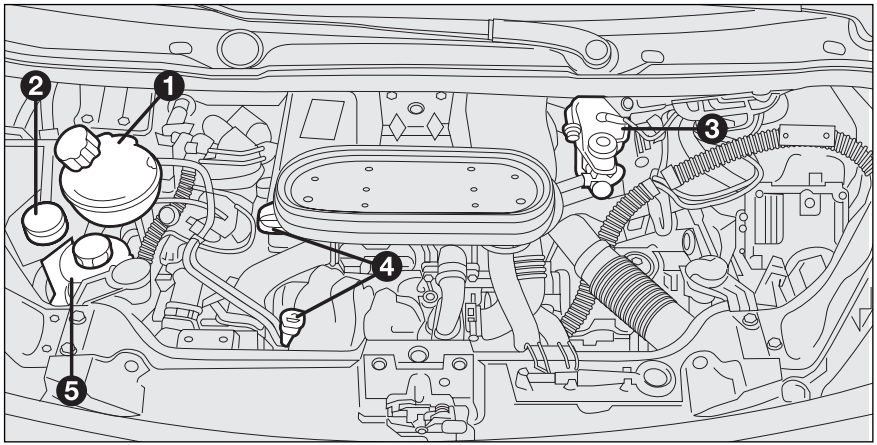

fig. 1 - 90 Multijet versions

F0P0145m

1. Engine coolant - **2.** Windshield washer/rear window washer/headlamps washer liquid - **3.** Brake fluid - **4.** Engine oil - **5.** Power steering fluid

1. Engine coolant
2. Windshield washer/rear window washer/headlamps washer liquid
3. Brake fluid
4. Engine oil
5. Power steering fluid
6. Engine oil top up funnel.

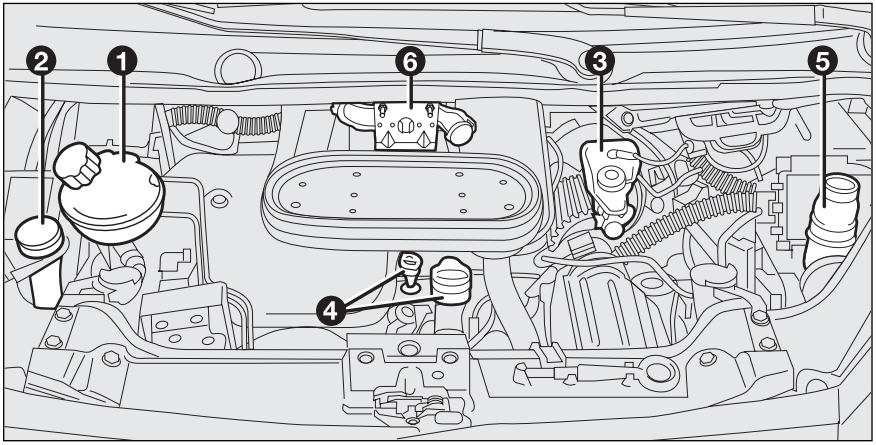

fig. 2 - 120 Multijet and 140 Multijet versions

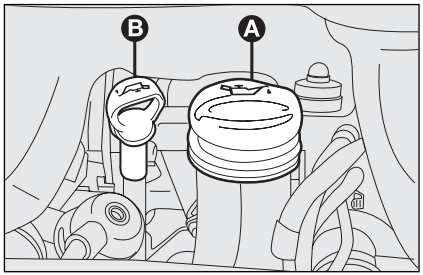

fig. 3 - 90 Multijet versions F0P0149m

ENGINE OIL fig. 3-4

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.

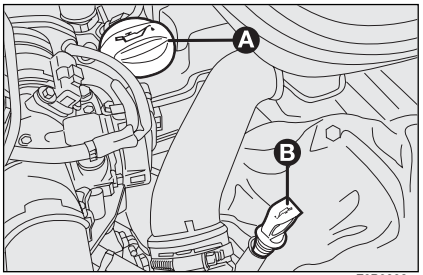

fig. 4 - 120 Multijet and 140 Multijet versions F0P0268m

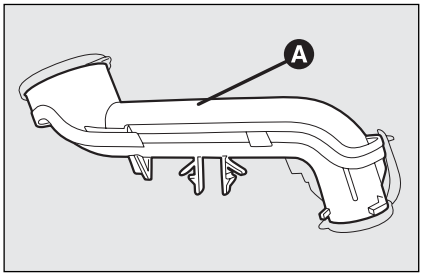

fig. 5 F0P0317m

Engine oil top up funnel (120 Multijet and 140 Multijet versions) fig. 5

In order to make engine oil topping up easier, 120 Multijet and 140 Multijet versions have been equipped with funnel **A-fig. 5**, provided for the purpose and installed in the relevant engine compartments.

ENGINE OIL CONSUMPTION

Max engine oil consumption is usually 400 grams every 1,000 km.

During the beginning of the vehicle's life the engine is tuning in. 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.

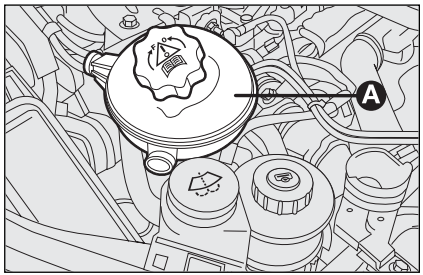

fig. 6 F0P0152m

ENGINE COOLANT fig. 6

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 the **MAX** mark.

A 50-50 mixture of **PARAFLU UP** and distilled water gives freeze protection to –35°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.

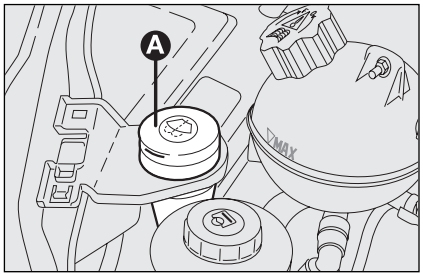

fig. 7 F0P0154m

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°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.

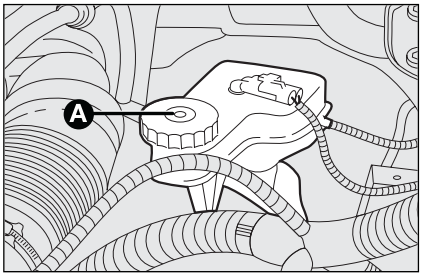

fig. 8 F0P0155m

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.

WARNING

For the van outfitting it is recommended to replace the brakes liquid every two years.

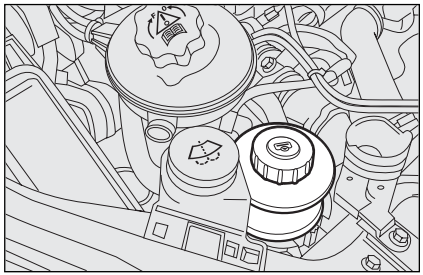

fig. 9 - 90 Multijet versions F0P0150m

POWER STEERING FLUID

With the vehicle on level ground, engine not running and cold, check whether the oil level in the tank is between the **MIN** and **MAX** marks on the tank **fig 9** and **fig. 10**.

If oil is hot the level can also exceed the **MAX** mark.

If required, top up with oil having the same characteristics of the oil present in the system.

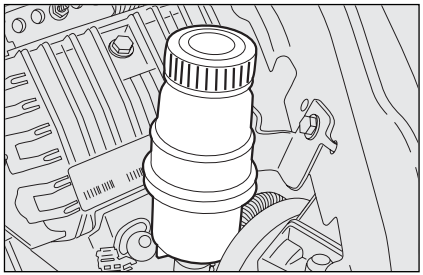

fig. 10 - 120 Multijet and 140 Multijet versions F0P0151m

WARNING

Do not allow the power steering fluid to touch the hot parts of the engine: it is inflammable.

Power steering oil 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.

AIR CLEANER/ 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 in the passenger compartment, under the floor on the passenger seat side. To reach the battery remove the protection cover.

Contact Fiat Dealership to check/change the battery.

CHECKING THE CHARGE fig. 11

The battery charge may be checked through the indicator **A** (where provided) set on the battery cover and acting according to the colour the indicator shows.

If the battery is not fitted with electrolyte level indicator, the relevant checks must only be carried out by authorised personnel.

To check the battery charge, slacken the two fastening screws and open the cover. Check the battery charge and then reclose the cover, take care to prevent 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.

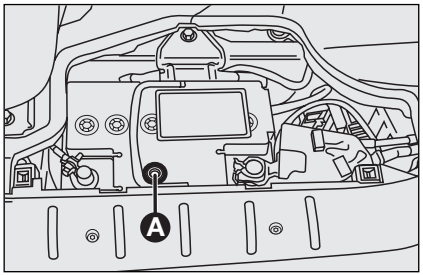

fig. 11 F0P0242m

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.

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 every year, preferably 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.

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.

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, tailgate and bonnet 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° 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. 12**:

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.

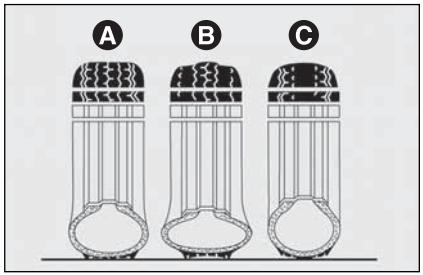

fig. 12 F0P0191m

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 charge 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/ REAR WINDOW WIPERS

BLADES

Periodically clean the rubber part using special products; **TUTELA PROFESSIONAL SC 35** is recommended.

Change the blades if the rubber edge is warped or worn out. You should in any case change them approximately 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.

Changing the windscreen wiper blade fig. 13

Proceed as follows:

– with the ignition key at **S** or removed, turn the right-hand stalk down (impulse) within 60 seconds, so the windscreen wipers will stop in vertical position;

– remove nozzle **A** pressure fitted in the blade;

– lift the windscreen wiper arm **B**, keep it in that position and position the blade to make it form a 90° angle with the arm itself;

– press the retainer tab **C** and, at the same time, push the blade downwards until the arm **B** is released from the blade;

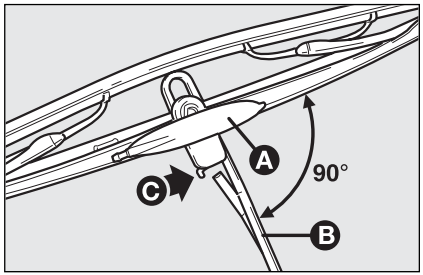

fig. 13 F0P0349m

– refit a new blade, inserting it on the arm and pushing it upwards, until tab **C** clicks;

– make sure the blade is fastened.

Keep the windscreen arm lifted during the blade replacement to avoid damaging the windscreen. After changing the blade, guide the arm to its correct position on the windscreen.

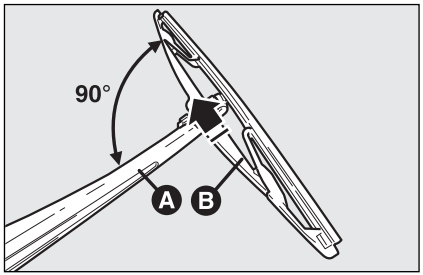

fig. 14 F0P0350m

Changing the rear window wiper blade fig. 14

Proceed as follows:

– lift the rear window wiper arm **A** off the glass and position the blade so as to form a right angle with the arm;

– remove the pressure fitted blade **B** following the arrow direction;

– fit the new blade in the opposite direction and make sure it is properly locked into place.

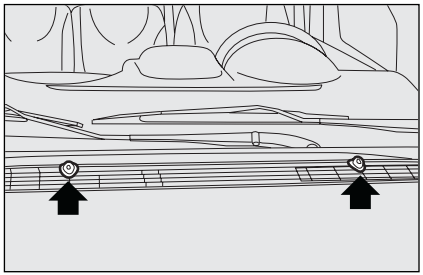

fig. 15

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.

Fluid jets shall be directed at about $^1/_3$ height from the window upper edge.

Rear window (rear window washer)

The rear window wiper nozzle is located in the rear window wiper blade.

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 are the most important:

❒ 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

Paintwork

The paintwork is not only to make your vehicle look attractive but also to protect the steel.

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 parked in the sun or while the bonnet is hot: it could take the shine off the paint.

Outside plastic parts must be cleaned following the usual vehicle washing procedure.

Where possible, do not park under trees; the resinous substance many species release give the paint a dull appearance and increase the possibility of triggering rust processes.

IMPORTANT Bird droppings must be washed off immediately and thoroughly as the acid they contain is particularly aggressive.

Detergents cause water pollution. 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 product. 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 **S**. 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 oxidisation 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 FABRICS

Remove dust with a soft brush and vacuum cleaner. For velvet seats use a damp brush.

Rub the seats with a sponge moistened with a solution of water and neutral detergent.

Fabric upholstery of your vehicle 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.

TECHNICAL SPECIFICATIONS

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IDENTIFICATION DATA

You are advised to note the identification codes. The identification data are given on dedicated plates, their position is shown in **fig. 1**:

1 - Model plate;

2 - Chassis marking;

3 - Bodywork paint identification plate;

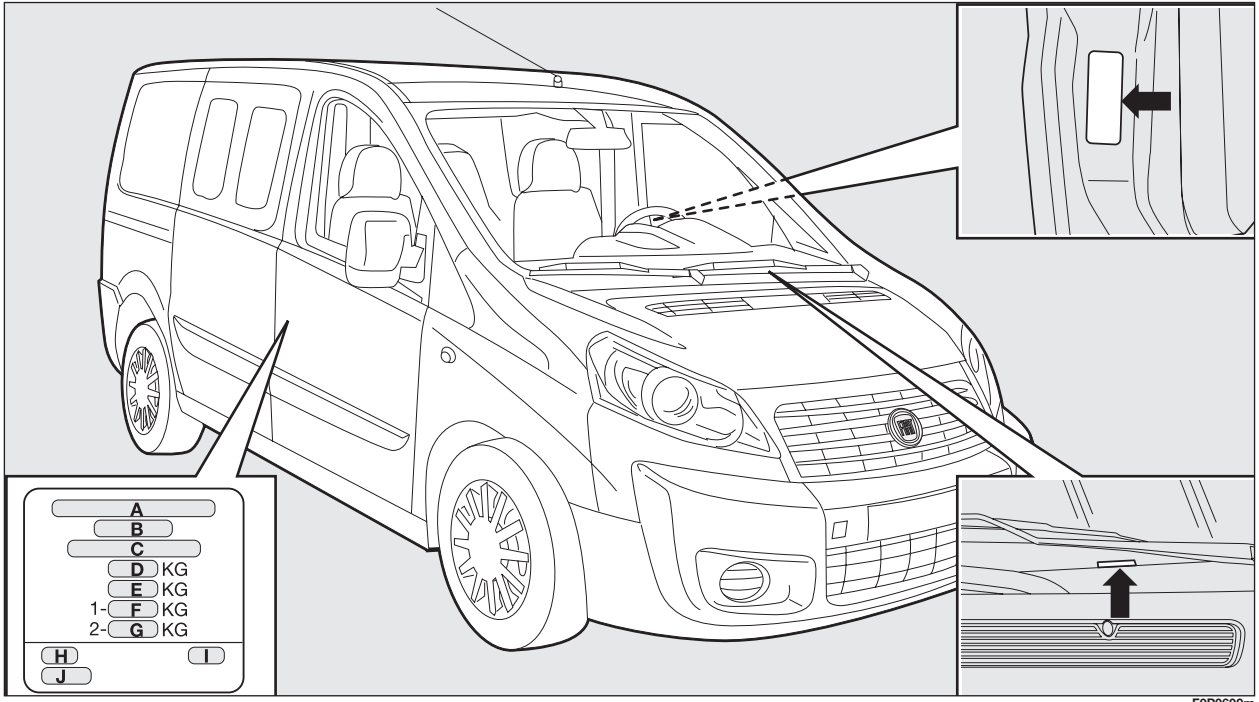

fig. 1

MODEL PLATE fig. 2

A - Manufacturer's name;

B - National homologation number;

C - Vehicle type code and chassis number;

D - Maximum admitted vehicle weight fully loaded;

E - Maximum admitted vehicle weight fully loaded with trailer;

F - Maximum admitted vehicle weight on front axle;

G - Maximum admitted vehicle weight on rear axle;

H - Vehicle type code;

I - Smoke opacity index;

J - Chassis number.

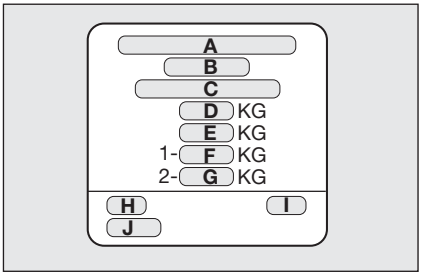

fig. 2

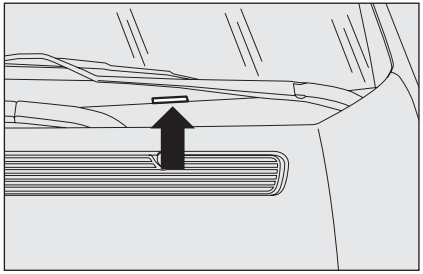

fig. 3 F0P0302m

CHASSIS MARKING fig. 3

Use the flat tip of the towing hook so as to open the car door.

IDENTIFICATION PLATE BODYWORK PAINT AND TYRES fig. 4

The label attached to the upright, driver's side, indicates:

– The size of the wheel rims and the tyres;

– The brand of the tyres certified by the manufacturer;

– The inflating pressure (the control of the inflating pressure must be carried out when stationary and at least once a month):

– Paint colour code.

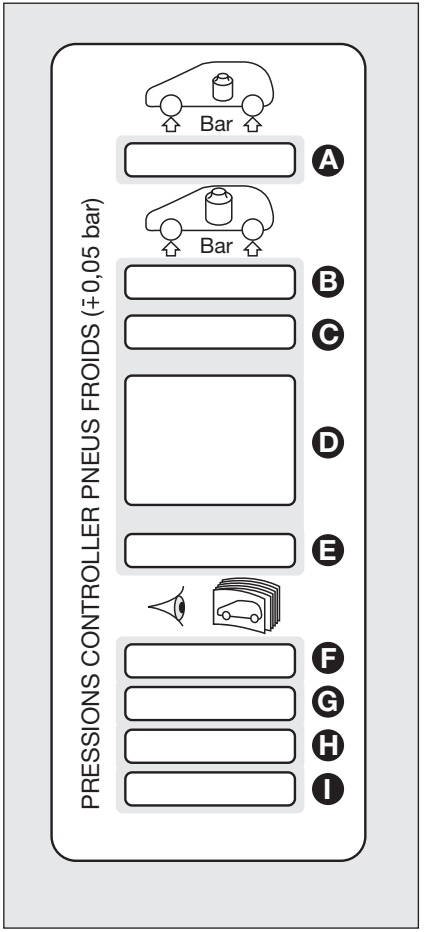

fig. 4 F0P0304m

ENGINE CODES - BODYWORK VERSIONS

Engine	Engine code	Description	Seats	Body version
90 Multijet	9HU	Combi - Short wheelbase	5 / 6	270XXA1A AA 270XX1A AA2 (*)
		Combi - Short wheelbase	8 / 9	270XXA1A AB 270XXA1A AB1 (*)
		Combi - Long wheelbase	5 / 6	270XXA1A AAL
		Combi - Long wheelbase	8 / 9	270XXA1A ABL
		Combi - Long wheelbase - Improved capacity	8 / 9	270KXA1A ABL
		Van - Short wheelbase - Low roof - 10 Q	2 / 3	270ZXA1A ZA
		Van - Short wheelbase - Low roof - 12 Q	2 / 3	270ZXA1A WA
		Van - Long wheelbase - Low roof - 12 Q	2 / 3	270ZXA1A WAL
		Van - Long wheelbase - High roof - 12 Q	2 / 3	270ZXA1A ZA
		Flatbed - Long wheelbase - 12 Q	2 / 3	270ZXA1A ZA
		Combi - Short wheelbase - Cat. N1	5 / 6	270ZXA1A ZA
		Combi - Long wheelbase - Cat. N1	5 / 6	270ZXA1A ZA
120 Multijet	RHK	Combi - Short wheelbase	5 / 6	270XXC1B AA 270XXC1B AA2 (*)
		Combi - Short wheelbase	8 / 9	270XXC1B AB 270XXC1B AB1 (*)
		Combi - Long wheelbase	5 / 6	270XXC1B AAL 270XXC1B AAL2 (*)
		Combi - Long wheelbase	8 / 9	270XXC1B ABL 270XXC1B ABL3 (*)
		Combi - Long wheelbase - Improved capacity	8 / 9	270KXC1B ABL 270KXC1B ABL4 (*)
		Van - Short wheelbase - Low roof - 10 Q	2 / 3	270ZXC1B ZA
		Van - Short wheelbase - Low roof - 12 Q	2 / 3	270ZXC1B WA
		Van - Long wheelbase - Low roof - 12 Q	2 / 3	270ZXC1B WAL
		Van - Long wheelbase - High roof - 12 Q	2 / 3	270ZXC1B WBL
		Flatbed - Long wheelbase - 12 Q	2 / 3	270YXA1A ZAL
		Combi - Short wheelbase - Cat. N1	5 / 6	270ZXA1A ZC
		Combi - Long wheelbase - Cat. N1	5 / 6	270ZXA1A ZCL
		Van - Short wheelbase - 10 Q	2 / 3	270ZXF1B ZA (*)
		Van - Short wheelbase - 12 Q	2 / 3	270ZXF1B WA (*)
		Van - Long wheelbase - 12 Q	2 / 3	270ZXF1B WAL (*)
		Van - Long wheelbase - High roof 12 Q	2 / 3	270ZXF1B WBL (*)

(*) Versions with DPF

Engine	Engine code	Description	Seats	Body version
120 Multijet	RHK	Flatbed - Long wheelbase - 12 Q	2 / 3	270YXF1B WAL (*)
		Combi - Short wheelbase - 10 Q	5 / 6	270XXF1B AA1 (*)
		Combi - Long wheelbase - 10 Q	5 / 6	270XXF1B AAL1 (*)
		Combi - Short wheelbase - 10 Q	8 / 9	270KXF1B AB1 (*)
		Combi - Long wheelbase - 10 Q	8 / 9	270KXF1B AB2 (*)
		Combi - Short wheelbase - 10 Q - Cat. N1	5 / 6	270ZXF1B ZC (*)
		Combi - Long wheelbase - 10 Q - Cat. N1	5 / 6	270ZXF1B ZCL (*)
140 Multijet	RHR	Combi - Short wheelbase	5 / 6	270XXD1B AA 270XXD1B AA2 (*)
		Combi - Short wheelbase	8 / 9	270XXD1B AB 270XXD1B AB1 (*)
		Combi - Long wheelbase	5 / 6	270XXD1B AAL 270XXD1B AAL2 (*)
		Combi - Long wheelbase	8 / 9	270XXD1B ABL1
		Combi - Long wheelbase - Improved capacity	8 / 9	270KXD1B ABL1 270KXD1B ABL4 (*) 270KXD1B ABL5 (*)
		Van - Short wheelbase - Low roof - 10 Q	2 / 3	270ZXD1B ZA
		Van - Short wheelbase - Low roof - 12 Q	2 / 3	270ZXD1B WA
		Van - Long wheelbase - Low roof - 12 Q	2 / 3	270ZXD1B WAL
		Van - Long wheelbase - High roof - 12 Q	2 / 3	270ZXD1B WBL
		Flatbed - Long wheelbase - 12 Q	2 / 3	270YXD1B ZAL
		Combi - Short wheelbase - Cat. N1	5 / 6	270ZXD1B ZC
		Combi - Long wheelbase - Cat. N1	5 / 6	270ZXD1B ZCL

(*) Versions with DPF

ENGINE

GENERAL FEATURES		90 Multijett	120 Multijet	140 Multijet
Engine code		9HU	RHK	RHR
Cycle		Diesel	Diesel	Diesel
Number and layout of cylinders		4 in line	4 in line	4 in line
Diameter x stroke	mm	75 x 88.3	85 x 88	85 x 88
Total displacement	cm^3	1560	1997	1997
Compression ratio		18.0:1	17.5:1	17.5:1
Maximum power (EEC)	kW HP	66 90	88 120	100 136
corresponding ratio	rpm	4000	4000	4000
Maximum torque (EEC)	Nm	180	300	320
corresponding ratio	rpm	1750	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/IGNITION

	90 Multijet - 120 Multijet - 140 Multijet
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

	90 Multijet	120 Multijet - 140 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	Self-adjusting pedal without idle stroke
Drive	Front	Front

BRAKES

	90 Multijet - 120 Multijet - 140 Multijet
Service brakes:	
– front	disc (self-ventilating for versions where provided)
– rear	disc or drum (on certain versions)
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

	90 Multijet - 120 Multijet - 140 Multijet
Front	Mc Pherson independent wheels
Rear	twisting axle with spiral spring/pneumatic suspensions (where provided)

STEERING

	90 Multijet - 120 Multijet - 140 Multijet
Type	rack and pinion electrohydraulic (hydraulic on 90 Multijet version)
Minimum steering cycle m	12.18 (❒) / 12.59 (❍)

(❒) Short wheelbase version (❍) Long wheelbase version

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.

Attaining to the prescribed size, 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

Pressed steel rim. Tubeless tyre.

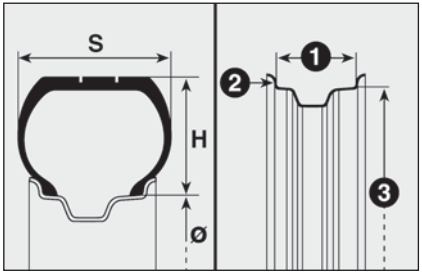

fig. 5

UNDERSTANDING TYRE MARKING fig. 5

Example: 215/60 R16 99T

215 = Nominal width (S, distance between sidewalls in mm).

60 = Percentage height/width ratio (H/S).

R = Radial tyre.

16 = Rim diameter in inches (Ø).

99 = Load rating (capacity).

T = Maximum speed rating.

Maximum speed rating

Q = up to 160 km/h.

R = up to 170 km/h.

S = up to 180 km/h.

T = up to 190 km/h.

U = up to 200 km/h.

H = up to 210 km/h.

V = up to 240 km/h.

Maximum speed rating for snow tyres

QM + S = up to 160 km/h.

TM + S = up to 190 km/h.

HM + S = up to 210 km/h.

Load rating (capacity)

70 = 335 kg	**81** = 462 kg
71 = 345 kg	**82** = 475 kg
72 = 355 kg	**83** = 487 kg
73 = 365 kg	**84** = 500 kg
74 = 375 kg	**85** = 515 kg
75 = 387 kg	**86** = 530 kg
76 = 400 kg	**87** = 545 kg
77 = 412 kg	**88** = 560 kg
78 = 425 kg	**89** = 580 kg
79 = 437 kg	**90** = 600 kg
80 = 450 kg	**91** = 615 kg

UNDERSTANDING RIM MARKING

Example: 7J x 16 ET39

7 = rim width in inches **1**.

J = rim drop centre outline (side projection where the tyre bead rests) **2**.

16 = rim nominal diameter in inches (corresponds to diameter of the tyre to be mounted) **3** = Ø.

ET39 = wheel camber angle (distance between the disc/rim supporting plane and the wheel rim centre line).

	Tyres	Rims
90 Multijet **120 Multijet** **140 Multijet**	215/65 R15 104R	6,5J x 15 ET38
	215/60 R16 99T	7J x 16 ET39(❍) 7J x 16 ET42
	215/60 R16 103T	7J x 16 ET42

(❍) Alloy rims

Tyres **cold inflation pressure** changes according to vehicle versions and models. The values are indicated on the plate **fig. 7** situated on the upright on the driver's side and it shows: **A** - tyre inflation pressure with vehicle empty; **B** - tyre inflation pressure with fully laden vehicle; **C** - tyre size; **D** - rim size; **E** - tyre type mounted on vehicle; **F** - identification code for vehicle date of manufacture; **G** - empty box; **H** - body paint code; **I** - chassis marking.

F0B0264b

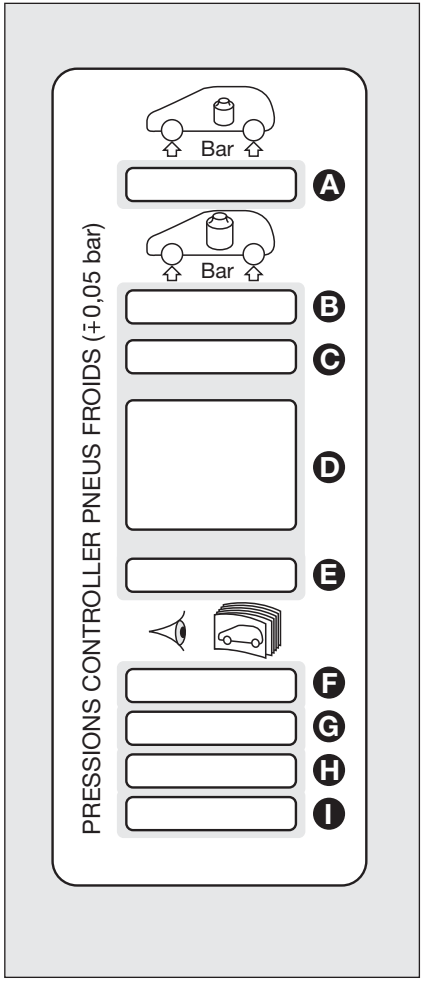

fig. 6

DIMENSIONS

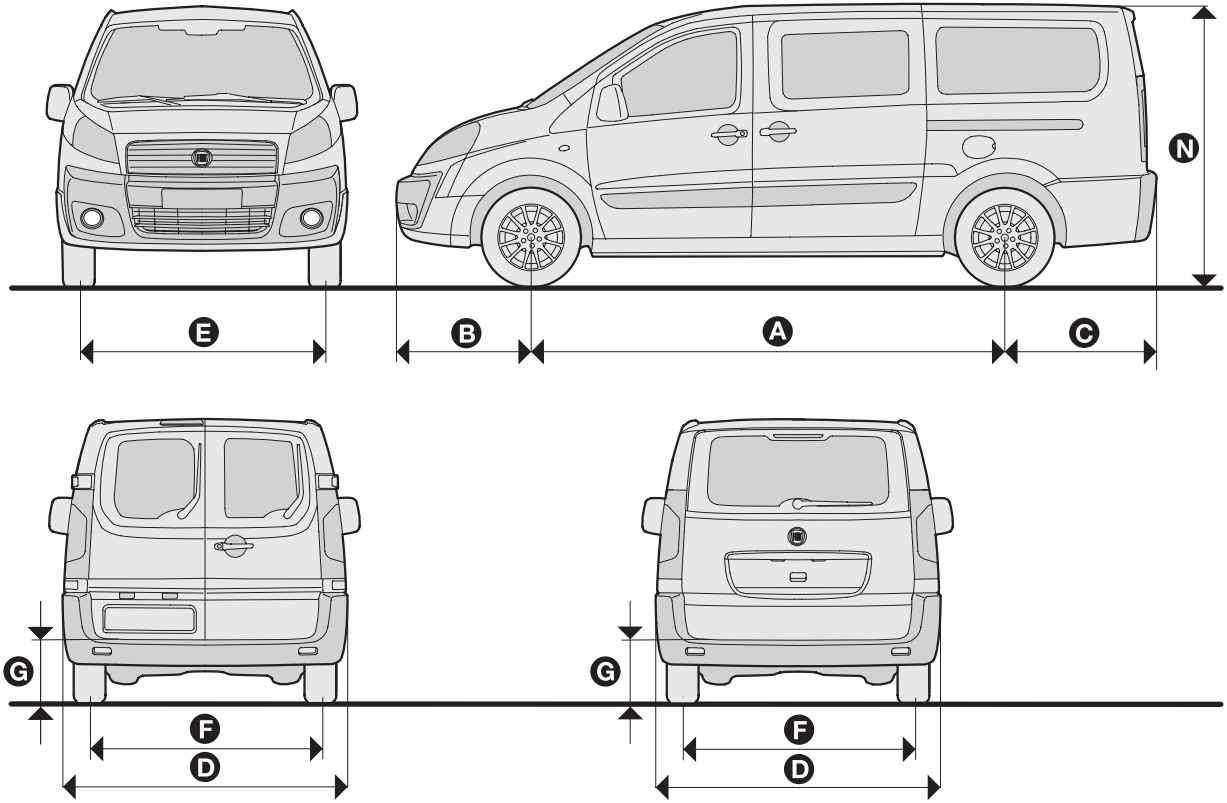

fig. 7

Dimensions are expressed in mm.

	DIMENSIONS	SHORT WHEELBASE	LONG WHEELBASE
A+B+C	Overall length:	4805-4813	5135-5143
N	Overall height:	1894 ÷ 1942 / 2204 ÷ 2276 (*)	
A	Wheelbase:	3000	3122
B	Front overhang:	975	
C	Rear overhang:	830-838	1038-1046
D	Overall width – at body edge: – with shock protecting bands: – with door mirrors folded: – with door mirrors in driving position:	 1870 1895 1986 2194	
E	Front track:	1562-1570	
F	Rear track:	1596-1604	
G	Load compartment height – with mechanical suspensions: – with pneumatic suspensions:	 562 ÷ 604 491 ÷ 500	

(*) Versions with high roof

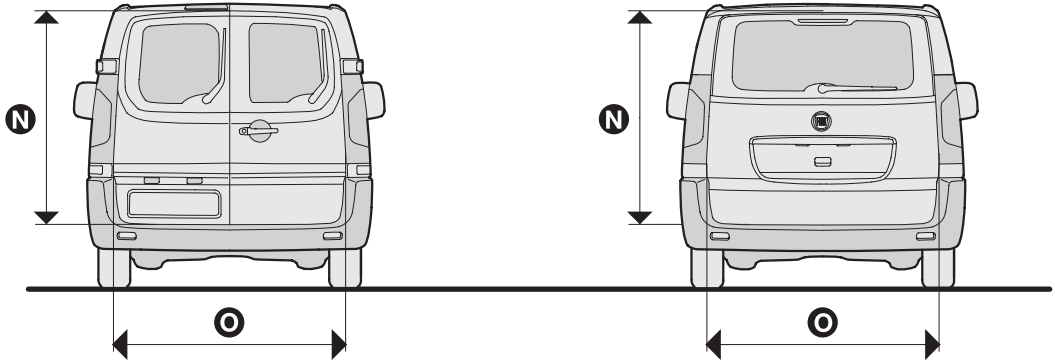

fig. 8

F0P0611m

Dimensions are expressed in mm.

	DIMENSIONS	REAR DOORS
N	Rear double doors usable length:	1272÷1630 (*)
O	Usable width – rear double doors: – tailgate (where provided):	 1237 1237

(*) Hight roof version

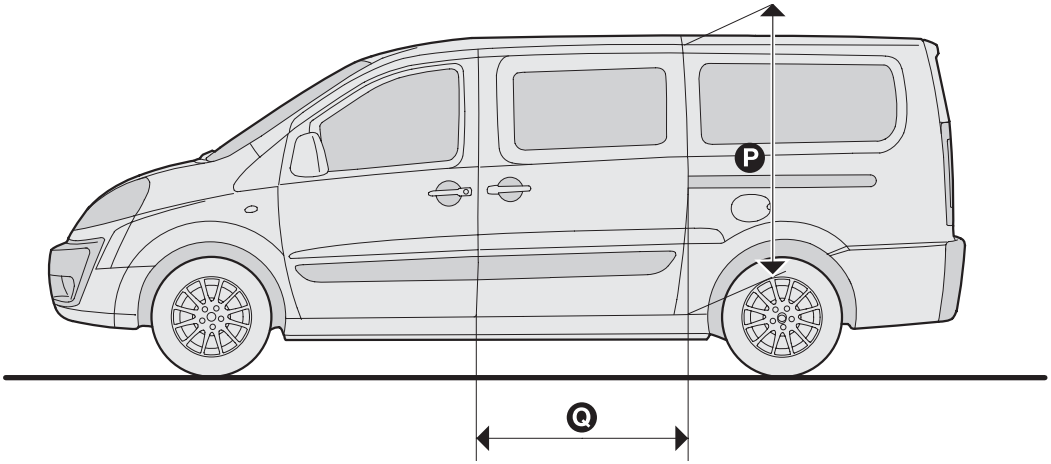

fig. 9

F0P0306m

Dimensions are expressed in mm.

	DIMENSIONS	SIDE SLIDING DOOR
P	Height:	1293 ÷ 1301 (*)
Q	Width:	924

(*) Version with high roof

SIZE OF LOADING COMPARTMENT

	SHORT WHEELBASE	LONG WHEELBASE
Length of internal floor (mm):	2254	2584
Internal height under roof – Maximum (mm):	1449	1750 (*)
Maximum internal width (mm):	1600	
Internal width between the housing of the wheels (mm):	1245	
Turning circle between pavements (mm):	1218	1259

(*) Version with high roof

PERFORMANCE

Top admitted speed after initial vehicle use in km/h.

90 Multijet	120 Multijet	140 Multijet
145	160	170

WEIGHTS AND TOWABLE LOADS

VAN VERSIONS

For further details see the registration certificate of your vehicle.
In every Country it is compulsory to observe the current regulations in force concerning the admitted towable loads. Contact Fiat Dealership for further details on towing and admitted towable loads.

Carrying loads

If max admitted load values are not exceed it will be possible to tow trailers. In any case, never exceed the max admitted trailer and towable load values specified in the registration certificate.
Observe vehicle towing capacity values.

Engine	Version	Number of seats	Unladen vehicle weight (kg)	Max admitted load (kg)	Max payload (kg)	Payload without the driver (kg)	Towable load with trailer with brakes (kg)
90 Multijet	Short wheelbase (10 quintals)	2	1661	2661	1000	925	1672
		3	1673	2661	988	913	1672
	Short wheelbase (12 quintals)	2	1661	2861	1200	1125	1472
		3	1673	2861	1188	1113	1472
	Long wheelbase (12 quintals)	2	1680	2880	1200	1125	1453
		3	1692	2880	1188	1113	1453
	High roof (12 quintals)	2	1700	2900	1200	1125	1433
		3	1712	2900	1188	1113	1433

(*) The towable load with trailer with brakes can be increased provided the equivalent load is unloaded from the vehicle in order to avoid exceeding the total towable load. High external temperatures could cause low engine performance. In this event (external temperature exceeding 37 °C) the towable load shall be limited to 700 kg without carrying other loads. If towing trailers never exceed 100 km/h speed (observe the regulations in force in your Country).

Engine	Version	Number of seats	Unladen vehicle weight (kg)	Max admitted load (kg)	Max payload (kg)	Payload without the driver (kg)	Towable load with trailer with brakes (kg)
120 Multijet	Short wheelbase (10 quintals)	2	1702	2702	1000	925	2000
		3	1714	2702	988	913	2000
	Short wheelbase (12 quintals)	2	1702	2902	1200	1125	2000
		3	1714	2902	1188	1113	2000
	Long wheelbase (12 quintals)	2	1732	2932	1200	1125	2000
		3	1744	2932	1188	1113	2000
	High roof (12 quintals)	2	1763	2963	1200	1125	1997
		3	1775	2963	1188	1113	1997

Engine	Version	Number of seats	Unladen vehicle weight (kg)	Max admitted load (kg)	Max payload (kg)	Payload without the driver (kg)	Towable load with trailer with brakes (kg)
140 Multijet	Short wheelbase (10 quintals)	2	1717	2717	1000	925	2000
		3	1729	2717	988	913	2000
	Short wheelbase (12 quintals)	2	1717	2917	1200	1125	1863
		3	1729	2917	1188	1113	1863
	Long wheelbase (12 quintals)	2	1746	2946	1200	1125	1834
		3	1758	2946	1188	1113	1834

COMBI VERSIONS

For further details see the registration certificate of your vehicle.

In every Country it is compulsory to observe the current regulations in force concerning the admitted towable loads. Contact Fiat Dealership for further details on towing and admitted towable loads.

Carrying loads

If max admitted load values are not exceed it will be possible to tow trailers. In any case, never exceed the max admitted trailer and towable load values specified in the registration certificate.

Observe vehicle towing capacity values.

Engine	Version	Number of seats	Unladen vehicle weight (kg)	Max admitted load (kg)	Max payload (kg)	Payload without the driver (kg)	Towable load with trailer with brakes (kg)
90 Multijet	Short wheelbase	5	1733	2683	950	882	2000
		6	1745	2683	938	870	2000
		8	1811	2683	872	804	2000
		9	1822	2683	861	793	2000
	Long wheelbase	5	1764	2714	950	882	2000
		6	1776	2714	938	870	2000
		8	1842	2714	872	804	2000
		9	1853	2714	861	793	2000
	Reinforced	8	1857	2852	996	928	2000
		9	1868	2852	984	916	2000

Engine	Version	Number of seats	Unladen vehicle weight (kg)	Max admitted load (kg)	Max payload (kg)	Payload without the driver (kg)	Towable load with trailer with brakes (kg)
120 Multijet	Short wheelbase	5	1809	2759	950	882	2000
		6	1821	2759	938	870	2000
		8	1887	2759	872	804	2000
		9	1898	2759	861	793	2000
	Long wheelbase	5	1841	2791	950	882	2000
		6	1853	2791	938	870	2000
		8	1919	2791	872	804	2000
		9	1930	2791	861	793	2000
	Reinforced	8	1948	2932	999	931	2000
		9	1959	2932	987	919	2000

Engine	Version	Number of seats	Unladen vehicle weight (kg)	Max admitted load (kg)	Max payload (kg)	Payload without the driver (kg)	Towable load with trailer with brakes (kg)
140 Multijet	Short wheelbase	5	1824	2774	950	882	2000
		6	1836	2774	938	870	2000
		8	1902	2774	872	804	2000
		9	1913	2774	861	793	2000
	Long wheelbase	5	1855	2805	950	882	2000
		6	1867	2805	938	870	2000
		8	1933	2805	872	804	2000
		9	1944	2805	861	793	2000
	Reinforced	8	1948	2946	999	931	2000
		9	1959	2946	987	919	2000

CAPACITIES

		90 Multijet	120 Multijet	140 Multijet	Recommended fuels and genuine lubricants
Fuel tank: including a reserve of:	litres litres	80 8	80 8	80 8	Diesel fuel for motor vehicles (EN590 Specification)
Engine cooling system:	litres	8	9	9	Mixture of 50% water and **PARAFLU UP**
Engine sump and filter:	litres	6.2	5.25	5.25	**SELENIA WR**
Gearbox/ differential casing:	kg	1.7	1.9	1.9	**TUTELA CAR MATRYX**
Hydraulic brake circuit: ABS devices (with ESP)	kg	0.519	0.519	0.519	**TUTELA TOP 4 (*)**
Windscreen, rear window and headlight washer fluid reservoir:	litres	7.5	7.5	7.5	Mixture of water and **TUTELA PROFESSIONAL SC 35**

(*) Brake fluid shall be changed at least every 2 years (Van versions)

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, **FIAT 9.55535-N2 qualification**	**SELENIA WR**	As per Service Schedule

For proper and regular operation of Multijet versions with DPF, only use genuine lubricant. In an emergency, lacking the genuine product, top up only once with max. 0.5 l and contact Fiat Dealership as soon as possible.

Should non-genuine SAE 5W-40 products be used, lubricants with minimum ACEA B4 properties for Diesel engines 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.

Use	Fluid and lubricant quality specifications for correct vehicle operation	Recommended fluids and lubricants	Applications
Lubricants and greases for transmission	Synthetic-based oil, grade SAE 75W-85 that passes API GL4 and MIL-L-2105 D LEV specifications	**TUTELA MATRYX**	Mechanical gearbox and differential
	Molibdenum organic disulphide, lithium soap based grease, NLGI 2 consistency	**TUTELA STAR 500**	CV joints
	Lubricant for power That passes ATF DEXRON III specifications	**TUTELA GI/E**	Hydraulic power steering
	Synthetic fluid for hydraulic and electro-hydraulic systems	**TUTELA GI/R**	Hydraulic power steering
Brake fluids	Synthetic fluid, F.M.V.S.S. n 116, DOT 4, ISO 4925, SAE J-1704, CUNA NC 956-01	**TUTELA TOP 4**	Brake and clutch hydraulic controls
Protective agent for radiators	Red protective with antifreeze action based on inhibited monoethylen glycol with organic formula based on O.A.T., that passes CUNA NC 956-16, astm d 3306 specifications	**PARAFLU UP**	Cooling circuits, antifreeze proportion: 50% down to –35°C
Windscreen/ rear window/ headlight washer fluid	Mixture of alcohol, water and surfactants CUNA NC 956-11	**TUTELA PROFESSIONAL SC 35**	To be used diluted or undiluted in windscreen/ rear window washer/ wiper systems

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: 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)

Engine	**90 Multijet**						
Model	**Combi**				**Van**		
Seats	5 / 6		8 / 9		2 / 3		
Version	Low roof Short wheelbase	Low roof Long wheelbase	Low roof Short wheelbase	Low roof Long wheelbase	Low roof Short wheelbase	Low roof Long wheelbase	High roof Long wheelbase
Urban consumption	8.4	8.6	8.6	8.6	8.4	8.4	8.6
Extra-urban consumption	6.6	6.8	6.8	6.8	6.6	6.6	6.8
Combined consumption	7.2	7.5	7.5	7.5	7.2	7.2	7.5

Engine	120 Multijet						
Model	**Combi**				**Van**		
Seats	5 / 6		8 / 9		2 / 3		
Version	Low roof Short wheelbase	Low roof Long wheelbase	Low roof Short wheelbase	Low roof Long wheelbase	Low roof Short wheelbase	Low roof Long wheelbase	High roof Long wheelbase
Urban consumption	9.1	9.2	9.3	9.3	9.1	9.2	9.4
Extra-urban consumption	6.3	6.4	6.5	6.5	6.3	6.4	6.6
Combined consumption	7.2	7.4	7.5	7.5	7.2	7.4	7.6

Engine	140 Multijet						
Model	**Combi**				**Van**		
Seats	5 / 6		8 / 9		2 / 3		
Version	Low roof Short wheelbase	Low roof Long wheelbase	Low roof Short wheelbase	Low roof Long wheelbase	Low roof Short wheelbase	Low roof Long wheelbase	High roof Long wheelbase
Urban consumption	9.2	9.3	9.4	9.4	9.2	9.2	–
Extra-urban consumption	6.4	6.5	6.6	6.6	6.4	6.4	–
Combined consumption	7.4	7.5	7.6	7.6	7.4	7.4	–

CO_2 EMISSIONS

The CO_2, emission levels at the exhaust given in the following tables refer to combined consumption.

Model	**Combi**				**Van**		
Seats	5 / 6		8 / 9		2 / 3		
Version	Low roof Short wheelbase	Low roof Long wheelbase	Low roof Short wheelbase	Low roof Long wheelbase	Low roof Short wheelbase	Low roof Long wheelbase	High roof Long wheelbase
90 Multijet	191	198	198	198	191	191	198
120 Multijet	194	196	198	198	194	196	200
140 Multijet	196	198	199	199	196	196	–

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PROVISIONS FOR THE PROCESSING OF A VEHICLE AT THE END OF ITS LIFE-CYCLE

For years now Fiat has been developing its global commitment towards the safeguarding and protection of the Environment through the continuous improvement of its production processes and the making of increasingly more "eco friendly" products. With a view to guaranteeing the best possible service to clients in full observance of environmental standards and in response to the obligations imposed by European Directive 2000/53/EC on end-of-life vehicles, Fiat offers its clients the possibility to hand in their vehicle* at the end of its life span without additional costs.

The European Directive, in fact, provides for the take-back of the vehicle without the last holder or owner of the same incurring expenses due to the fact that the market value of the vehicle is zero or negative. In particular, in almost all of the countries of the European Union, up until 1st January 2007, take-back of the vehicle free of charge only applies to vehicles registered from 1 July 2002 on, while, from 2007 on, take-back will be carried out free of charge, independently of the year of registration, provided that the vehicle still contains all its essential component parts (especially engine and body) and is free from additional waste materials.

Our contracted network of authorised treatment facilities has been carefully selected in order to provide a quality service to our customers by de-polluting and recycling "End of Life Vehicles" to approved environmental standards. To find out the location of your nearest authorised treatment facility, offering free of charge take-back, simply contact one of our dealers or refer to the Fiat web site or call the toll free number 00800 3428 0000.

* Passenger transportation vehicles to seat a max. of nine persons, having a total admissible weight of 3.5 t

NOTES

SELÈNIA®

At the heart of your engine.

Always ask your mechanic for SELÈNIA®

Oil change? The experts reccomend Selenia.

*The engine of your car is factory filled with **Selenia.** This is an engine oil range which satisfies the most advanced international specifications. Its superior technical characteristics allow **Selenia** to guarantee the **highest performance** and **protection of your engine**.*

The Selenia range includes a number of technologically advanced products:

SELENIA PERFORMER MULTIPOWER
Particularly ideal for the protection of new generation petrol engines, very effective even in the most severe weather conditions. It guarantees a reduction in fuel consumption (Energy conserving) and it is also ideal for alternative engines.

SELENIA K
is the synthetic lubricant with innovative technology, which ensures improved cold starting for petrol engines and the utmost protection also under typically “urban” conditions of use. Owing to its 5W-40 viscosimetric grade and its special formulation it more effectively meets the emission limits required by new European regulations and exceeds the major international specifications.

SELENIA WR
Oil specifically designed for common rail Multijet engines. Particularly effective during cold starts, it guarantees maximum wear protection and hydraulic tappets control, reduction in consumption and stability at high temperatures.

SELENIA DIGITECH
Fully synthetic lubricant for petrol and diesel engines.
Its advanced technology guarantees maximum protection, a reduction in consumption and reliability in extreme climate conditions.

The range also includes Selenia StAR, Selenia Racing, Selenia 20K Alfa Romeo, Selenia TD, Selenia Performer 5W-40
For further information on Selenia products visit the web site www.flselenia.com.

COLD TYRE INFLATION PRESSURE

The inflation pressure value for the tires when cold depends on the vehicle version and outfitting. The values are indicated on the plate on the front left door (see the “Wheels” section in the “Technical specifications" Chapter).

Add +0.3 bar to the prescribed inflation pressure when the tyres are warm. Recheck pressure value with cold tyres.

ENGINE OIL REPLACEMENT

	90 Multijet		120 Multijet		140 Multijet	
	litres	kg	litres	kg	litres	kg
Sump and filter:	6.2	–	5.25	–	5.25	–

FUEL CAPACITY (litres)

	90 Multijet - 120 Multijet - 140 Multijet
Tank capacity:	80
Riserve:	8

Only refuel cars with diesel engines with diesel fuel for motor vehicles conforming to the EN590 European Specification

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