

F I A T S T R A D A



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

WHY CHOOSING GENUINE PARTS

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

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

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

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

For all these reasons:

rely on Genuine Parts, because they are the only ones designed by Fiat Professional for your vehicle.

SAFETY:
BRAKING SYSTEM

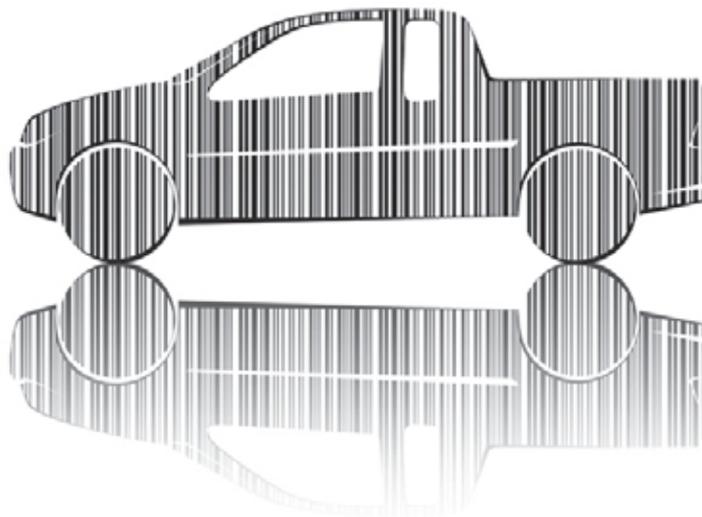
ENVIRONMENT: PARTICULATE FILTERS,
CLIMATE CONTROL SYSTEM MAINTENANCE

COMFORT:
SUSPENSION AND WINDSCREEN WIPERS

PERFORMANCE:
SPARK PLUGS, INJECTORS
AND BATTERIES

LINEACCESSORI:
ROOF RACK BARS, WHEEL RIMS

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



PERFORMANCE



GENUINE PARTS

COMFORT



GENUINE PARTS

SAFETY



GENUINE PARTS

AMBIENT



GENUINE PARTS

ACCESSORIES



GENUINE PARTS

VALUES



GENUINE PARTS



HOW TO RECOGNISE GENUINE PARTS

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

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

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

Dear Customer,

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

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

You are advised to read it right through before taking to the road for the first time. You will find information, advice and important warnings regarding the use of your vehicle to help you get the most from the technological features of your Fiat Strada.

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

 personal safety;

 vehicle integrity;

 environmental protection.

The enclosed Warranty Booklet lists the services that Fiat offers to its Customers:

- the Warranty Certificate with terms and conditions for maintaining its validity;
- the range of additional services available to Fiat customers.

Enjoy reading and happy motoring!

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

ESSENTIAL INFORMATION!

REFUELLING



Refuel the vehicle exclusively with diesel for motor vehicles in compliance with European specification EN590.

The use of other products or mixtures may damage the engine beyond repair and consequently invalidate the warranty, due to the damage caused.

STARTING THE ENGINE



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

PARKING ON FLAMMABLE MATERIAL



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

RESPECTING THE ENVIRONMENT



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

ELECTRICAL ACCESSORIES



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

CODE card



Keep it in a safe place, not in the vehicle. You are advised to keep the electronic code on the CODE card with you at all times.

SCHEDULED SERVICING



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

THE OWNER HANDBOOK CONTAINS...



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

 (environmental protection)

 (vehicle integrity).

SUMMARY

KNOW YOUR VEHICLE

CORRECT USE OF THE VEHICLE

IN AN EMERGENCY

VEHICLE MAINTENANCE

TECHNICAL SPECIFICATIONS

ALPHABETICAL INDEX

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KNOW YOUR VEHICLE

SYMBOLS

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

THE FIAT CODE SYSTEM

To increase protection against theft, the vehicle is equipped with an electronic immobiliser system (Fiat CODE) which is activated automatically when the ignition key is removed. Each key grip contains an electronic device which modulates the radio-frequency signal emitted during ignition by an aerial built into the ignition switch. The modulated signal is the “password”, by means of which the control unit recognises the key and, only in this circumstance, enables the engine to be started.

THE KEYS fig. 1

The vehicle comes with a key A (with remote control) or two keys B (without remote control), according to the version.

The keys can be used for:

- starting
- the doors
- fuel cap
- passenger airbag deactivation
- remote opening/closing (key with remote control).

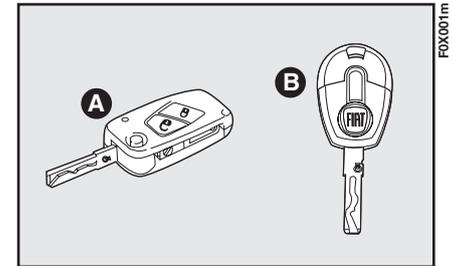


fig. 1

For versions/markets where provided, the CODE card fig. 2 is supplied together with the keys and bears:

A – the electronic code

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

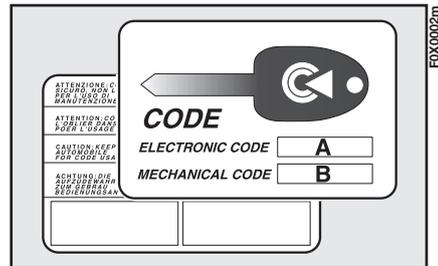


fig. 2

Key with remote control fig. 3

A – retractable metal insert

B – door release button

C – door lock button (the roof light switches off at the same time)

D – metal insert opening device.

The metal insert A operates:

- the ignition switch
- door opening/closing.

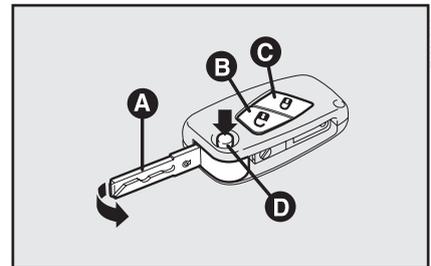


fig. 3



WARNING

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

To put metal insert A back in the grip, press device D, put back the metal insert then release device D.

The main functions that can be activated with the keys provided are the following:

Type of key	Door unlocking	Door locking
Key without remote control	Anticlockwise rotation	Clockwise rotation
Key with remote control	Anticlockwise rotation Press button B	Clockwise rotation Press button C
Flashing the direction indicators	2 flashes	1 flash

REQUEST FOR ADDITIONAL REMOTE CONTROLS

The receiver can recognise up to 8 remote controls.

Therefore, should it become necessary to acquire a new remote control for any reason during the life of the vehicle, contact a Fiat Dealership directly, taking all the keys in your possession and the CODE card with you to the Dealership.

DUPLICATING KEYS

Customers who require additional keys must contact a Fiat Dealership, taking all available keys and CODE card with them to the Dealership. The Fiat Dealership will store (up to a maximum of 8 keys) all keys, both new and already owned, in the system.

The Fiat Dealership may require the Customer to demonstrate that they are the owner of the vehicle. Codes for the keys which are not presented for the new storing procedure are deleted from the memory, to ensure that any keys which may be mislaid cannot be used to start the engine.



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

Ministerial approval

In accordance with the legislation of each country regarding radio frequencies, note that:

– for markets where the transmitter must be marked, the type approval number is indicated in the key with remote control.

REMOTE CONTROL BATTERY REPLACEMENT – fig. 4

To replace the battery, proceed as follows:

- Press device A and open metal insert B;
- Using a fine bit screwdriver, turn locking device C;

- Take out battery compartment D and replace battery E;
- Reinsert battery compartment D into the key and lock it by turning device C.



Used batteries are harmful to the environment.

They must be disposed of in special containers as specified by law. Alternatively, they can be taken to a Fiat Dealership, who will dispose of them correctly.

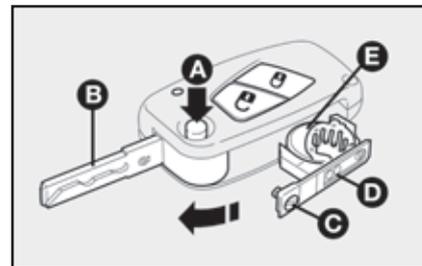


fig. 4

IGNITION

The key can be turned to 4 different positions fig. 5:

- STOP: engine off, key can be removed, steering column locked. Some electrical devices (e.g. car radio, central door locking system, electronic alarm, etc.) can operate.
- MAR-ON: driving position. All electric devices can operate.
- AVV: engine starting.
- PARK: engine off, parking lights on, key can be removed, steering column locked. To turn the key to PARK, press button A.



WARNING

If the ignition is tampered with (e.g. attempted theft), have it checked by a Fiat Dealership before driving again.

STEERING LOCK

Engagement: with ignition at STOP, or PARK, remove the key and turn the steering wheel until it locks.



WARNING

Never remove the key while the vehicle is in motion. The steering wheel would automatically lock as soon as it is turned. This also applies to cases in which the vehicle is towed.

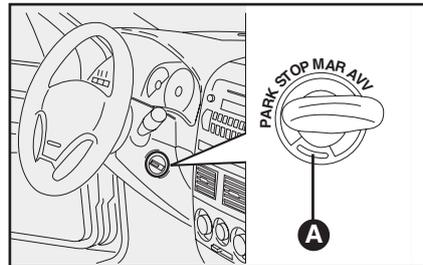


fig. 5

INSTRUMENT PANEL

The presence and position of the instruments and indicators may vary according to the version.

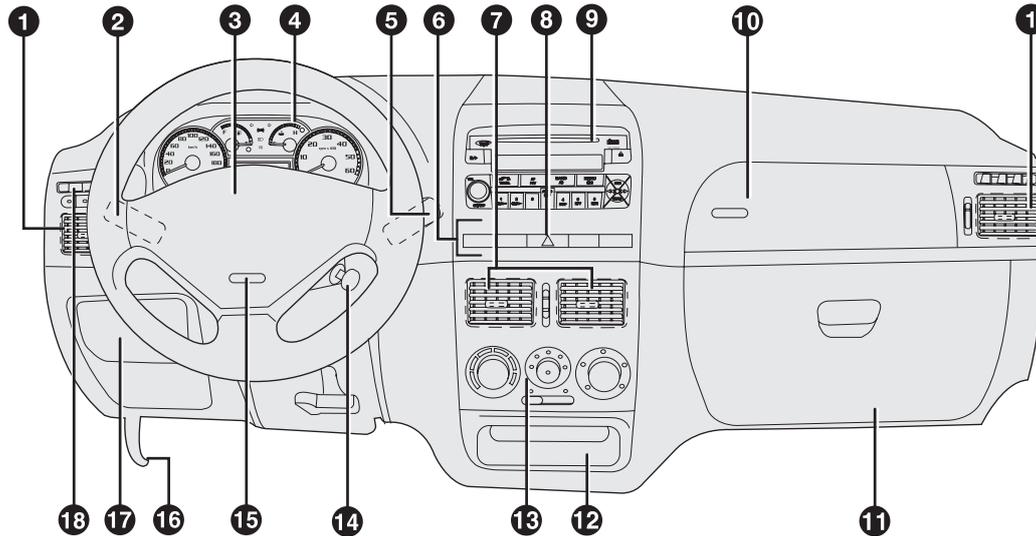


fig. 6

FOX0006m

Trekking / Working version fig. 6

1. Adjustable side air diffusers – 2. Left external light control stalk – 3. Horn – 4. Instrument panel – 5. Right stalk (windscreen wiper-washer and trip computer) – 6. Control buttons – 7. Adjustable central air diffusers – 8. Hazard warning lights switch – 9. Car radio (or car radio set-up) – 10. Passenger airbag or upper compartment (for versions/markets, where provided) – 11. Glove compartment – 12. Storage compartment – 13. Climate control / ventilation controls – 14. Ignition switch – 15. Driver front airbag – 16. Bonnet release lever – 17. Fuse cover on dashboard – 18. Headlight alignment corrector and controls.

The presence and position of the instruments and indicators may vary according to the version.

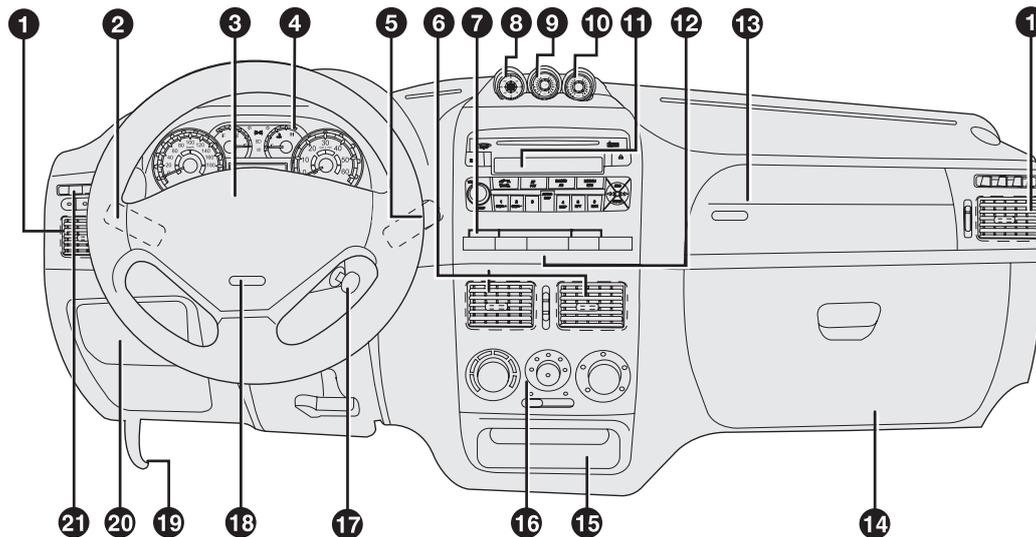


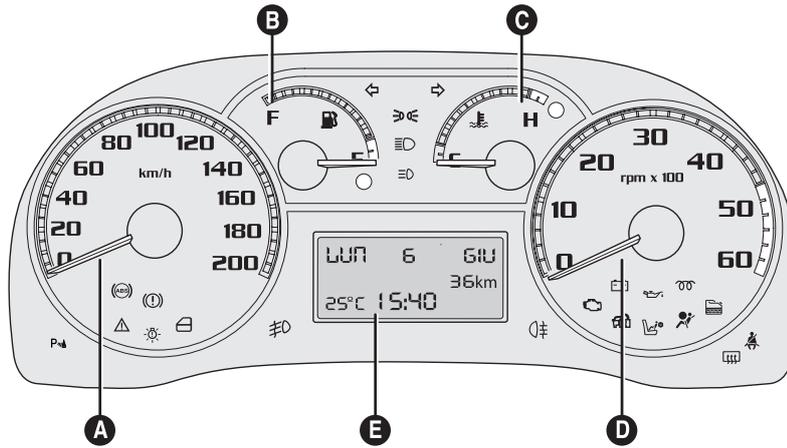
fig. 7

FOX0007m

Adventure version fig. 7

1. Adjustable side air diffusers – 2. Left external light control stalk – 3. Horn – 4. Instrument panel – 5. Right stalk (windscreen wiper-washer and trip computer) – 6. Adjustable central air diffusers – 7. Control buttons – 8. Compass
9. Roll meter – 10. Pitch meter 11. Car radio (or car radio set-up) – 12. Hazard warning lights switch – 13. Passenger airbag or upper compartment (for versions/markets, where provided) – 14. Glove compartment – 15. Storage compartment – 16. Climate control / ventilation controls – 17. Ignition switch - 18. Driver front airbag – 19. Bonnet release lever – 20. Fuse cover on dashboard 21. Headlight alignment corrector, E-Locker (where provided) and controls.

INSTRUMENT PANEL

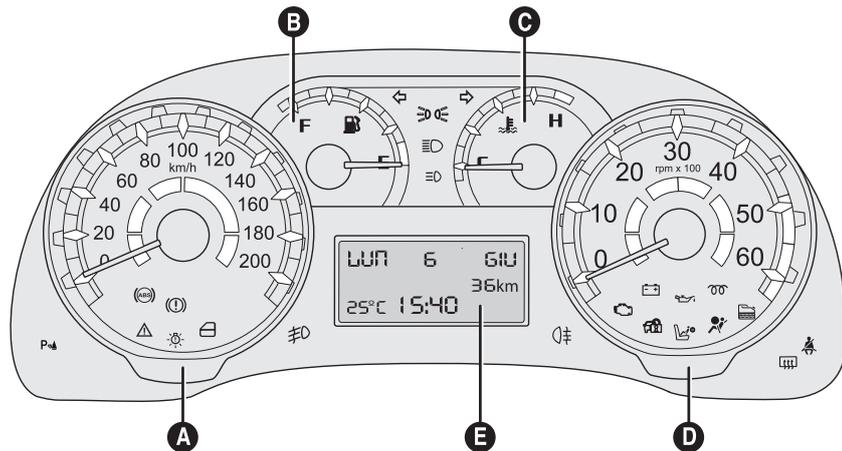


Trekking / Working version fig. 8

- A – Speedometer
- B – Fuel level gauge with reserve warning light
- C – Engine coolant temperature gauge
- D – Rev counter
- E – Display

fig. 8

FOX0008m



Adventure version fig. 9

- A – Speedometer
- B – Fuel level gauge with reserve warning light
- C – Engine coolant temperature gauge with overheating warning light
- D – Rev counter
- E – Display

fig. 9

FOX0009m

PERSONAL ADJUSTMENTS

SEATS



WARNING

All adjustments must be made only with the vehicle stationary.



WARNING

Do not remove the seats or attempt to service and/or repair them: operations which are carried out incorrectly may compromise the operation of the safety devices; always contact a Fiat Dealership.

Lengthwise adjustment

Raise the lever A-fig. 10 and push the seat forwards or backwards: in driving position your arms should be slightly bent and your hands should rest on the rim of the steering wheel.

After releasing the adjustment lever always check that the seat is locked into place by trying to move it back and forth. Failure to lock the seat could cause it to move and detach from the guides.

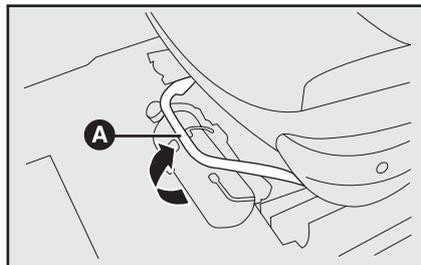


fig. 10

Reclining backrest adjustment

Turn knob B-fig. 11 until the desired backrest inclination is achieved.

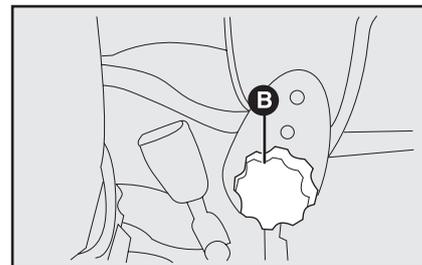


fig. 11

Manual height adjustment (for versions/markets, where provided)

To adjust, operate lever A fig. 12.

Access to rear seats (Crew Cab version)

To access the rear seats, pull handle A-fig. 13 upwards: the backrest will fold forwards and the seat will slide forwards when you push the backrest.

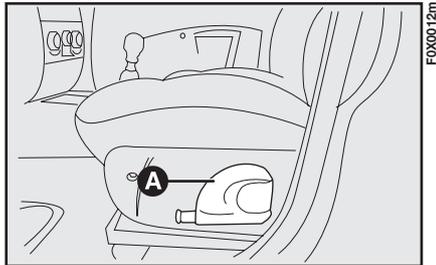


fig. 12

For versions/markets where provided, when the backrest is brought back again, the seat will return to its original position (mechanical memory).

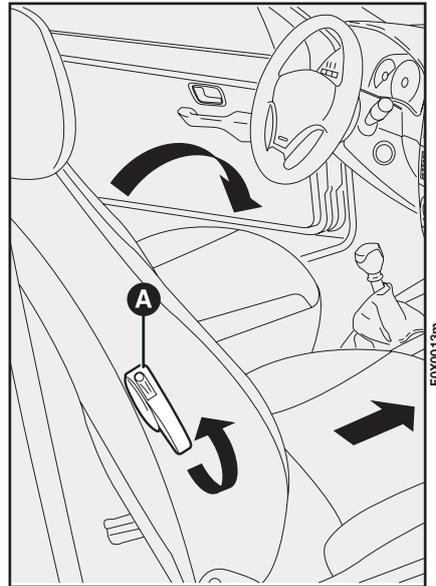


fig. 13

HEADRESTS fig. 14

Front

To increase passenger safety, the headrests are height-adjustable and lock in the desired position automatically.



WARNING

Headrests must be adjusted so that the head, rather than the neck, rests on them. Only in this position do they exert their protective action in the event of a collision.

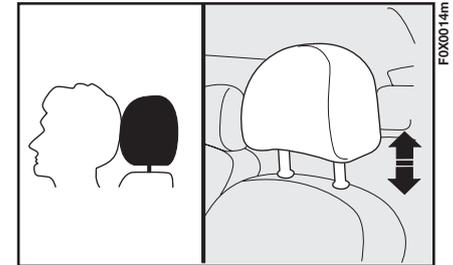


fig. 14

Rear (Crew Cab version)

Height-adjustable headrests are provided for the rear seats. Some versions feature a third central headrest which can be adjusted to 2 height positions only: completely raised / completely lowered.

To remove the headrests, operate the retaining devices A-fig. 15 then slide them upwards.

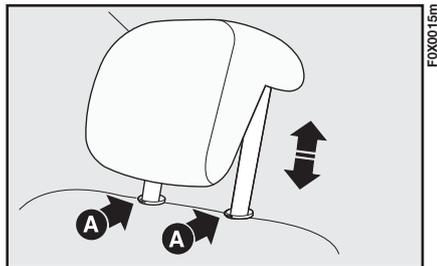
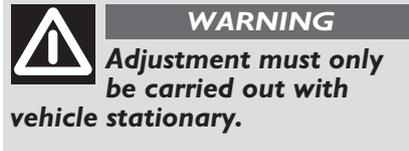


fig. 15

STEERING WHEEL fig. 16



It can be adjusted vertically:

- 1) Move lever A to position 1.
- 2) Adjust the steering wheel.
- 3) Return the lever to position 2 to lock the steering wheel again.

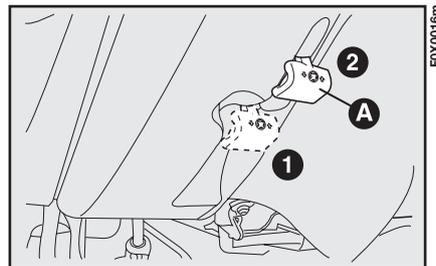


fig. 16

INTERIOR REAR VIEW MIRROR fig. 17

This is adjustable. Move lever A for:

- 1) normal position
- 2) anti-glare position.

It also features a safety device which causes it to detach in the event of impact.

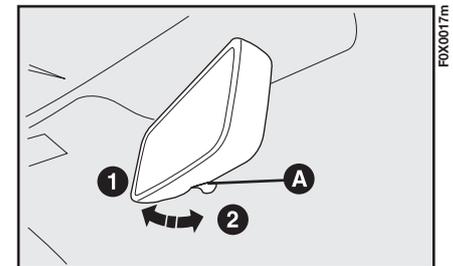


fig. 17

DOOR MIRRORS

With manual adjustment fig. 18

From inside the vehicle, operate knob A.



If the space taken up by the mirror causes difficulty in narrow spaces, fold it from position 1-fig. 19 and 20 to position 2.

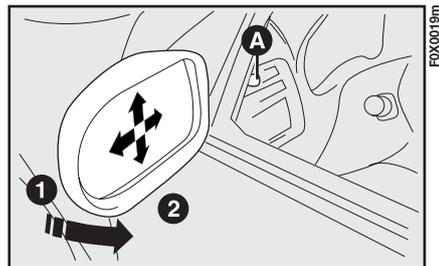


fig. 18

With electrical adjustment fig. 19

The adjustment can only be carried out with the ignition key at MAR-ON.

To adjust the mirror, move switch A in four directions.

Button B is used to select the mirror (left or right) to be adjusted.

It is advisable to adjust with vehicle stationary and handbrake engaged.

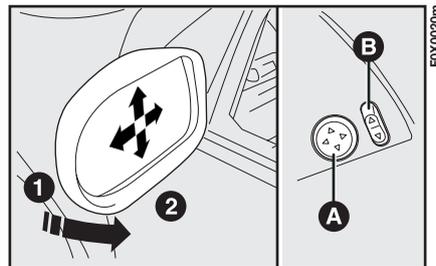


fig. 19



WARNING

The reflective surface of the right mirror is parabolic and increases the field of view. The size of the image is reduced and gives the impression that the reflected object is further away than it actually is.

The door mirrors house the direction indicators A-fig. 20.

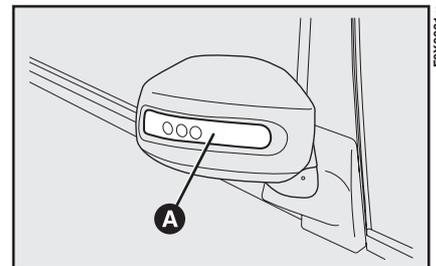


fig. 20

SEAT BELTS

HOW TO USE THE SEAT BELTS fig. 21

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

Pull the belt lightly. If the seat belt jams, let it rewind for a short stretch, then pull it out again without jerking.

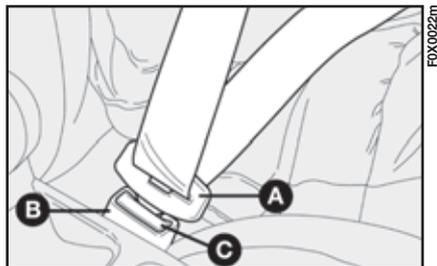


fig. 21

To unfasten the seat belt, press button C. Guide the seat belt while it is rewinding, to prevent it from twisting. Through the reel, the belt automatically adapts to the body of the passenger wearing it, allowing freedom of movement.

The reel may lock when the vehicle is parked on a steep slope: this is normal.

Furthermore, the reel mechanism locks the belt if it is pulled sharply or in the event of sudden braking, collisions and high-speed bends.



WARNING

For maximum protection, keep the backrest upright, lean back into it and make sure that the seat belt fits closely across the chest and pelvis.

FRONT SEAT BELT HEIGHT ADJUSTMENT



WARNING

The height of the seat belts must be adjusted with the vehicle stationary.

Always adjust the height of the seat belt to the body of the passenger. This precaution may considerably reduce the risk of injury in the event of a collision.

Correct adjustment is obtained when the belt passes approximately half way between the shoulder and the neck.

According to the version, there may be as many as 5 height adjustment positions fig. 22:

To raise: lift the ring B to the desired position.

To lower: press button A and move ring B downwards to the desired position at the same time.

When you have finished, check that it has locked by pushing ring B downwards without pressing button A.



WARNING

After adjustment, always check that the cursor to which the ring is fixed is locked in one of the set positions.

REAR SEAT BELTS

Depending on the version, the rear seat may be fitted with inertia seat belts with three anchor points and a reel.

The belts must be worn in accordance with the diagram in fig. 23.

When they are not in use, always return the rear seats belts to their dedicated housings A-fig. 24.

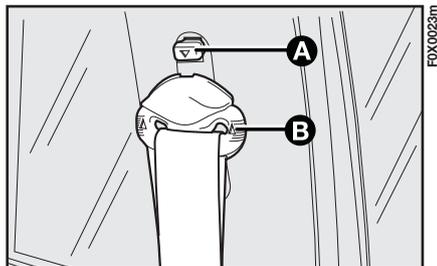


fig. 22

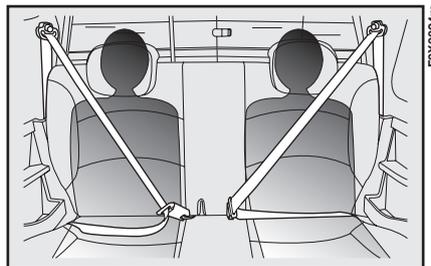


fig. 23

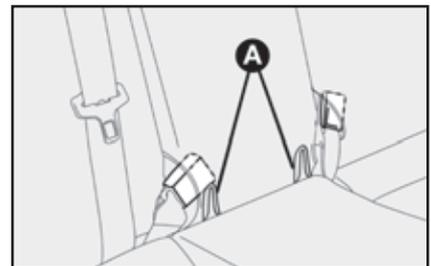


fig. 24

GENERAL INSTRUCTIONS FOR USING THE SEAT BELTS

The driver is responsible for respecting (and ensuring that all the other passengers also respect) the local laws in force regarding the use of seat belts. Always fasten the seat belts before starting off.



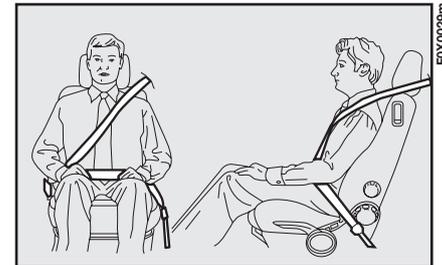
WARNING

For maximum safety, keep the back of your seat upright, lean back into it and make sure the seat belt fits closely across your chest and pelvis. Always fasten the seat belts on both the front and the rear seats! Travelling without using seat belts increases the risk of severe injury and even death in the event of an accident.



WARNING

The belt must not be twisted. The upper part must pass over the shoulder and cross the chest diagonally. The lower part must adhere to the pelvis, rather than the abdomen of the passenger, to avoid the risk of slipping forward fig. 25. Do not use devices (clips, pegs, etc.) to hold the belts away from the body.



FOX0029m

fig. 25



WARNING

Do not travel with children on a passenger's lap using one seat belt to protect them both fig. 26.



WARNING

Removing or otherwise tampering with safety belt and pretensioner components is strictly prohibited. Any operations on these components must be performed by qualified and authorised technicians. Always contact a Fiat Dealership.



WARNING

Each seat belt must be used by only one person: do not travel with children on a passenger's lap using the seat belts to protect them both. In general, do not place any objects between the person and belt.



WARNING

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



fig. 26



WARNING

SEVERE DANGER:

If the vehicle has a passenger side airbag, do not fit a child seat on the front seat.

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

Of course, expectant mothers must position the lower part of the belt very low down so that it passes under the abdomen fig. 27.



fig. 27

HOW TO MAINTAIN THE SEAT BELTS IN EFFICIENT CONDITIONS

- 1) Always use the belt with the strap well stretched and not twisted; make sure that it is free to run without obstructions.
- 2) Replace the belt which was worn after an accident of a certain severity even if it does not appear to be damaged.
- 3) To clean the belt, wash by hand with water and mild soap, rinse and leave to dry in the shade. Do not use strong detergents, bleach, paints or any other substance which could damage the belt fibres.
- 4) Prevent the reels from getting wet: their correct operation is only guaranteed if water does not get inside.
- 5) Replace seat belts when they show signs of significant wear or cuts.

PRETENSIONERS

To make the protective action of the seat belts even more effective, the Fiat Strada is fitted with pretensioners. These devices “feel”, through a sensor, the occurrence of a severe impact, retracting the belts by a few centimetres. This guarantees that the belt adheres perfectly to the body of the occupants, before the restraining action begins. The reel locks to indicate that the pretensioner has intervened; the seat belt cannot be drawn back up even when guided.

A small amount of smoke may be emitted. This smoke is not harmful and does not indicate a fire.

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

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



WARNING

The pretensioners require neither internal lubrication nor maintenance interventions. The pretensioners must not be tampered with under any circumstances. This could compromise the operation of the safety devices. Should intervention be necessary, contact a Fiat Dealership.



WARNING

The pretensioner may be used only once.

After it has been activated, have it replaced at a Fiat Dealership. Consult the plate in the glove box to check the status of the pretensioners. Go to a Fiat Dealership to have the device replaced when the expiration date approaches.



Operations which lead to impacts, vibrations or localised heating (above 100°C for a maximum of 6 hours) in the area around the pretensioners may damage or activate them. These devices are not affected by vibrations caused by uneven road surfaces or low obstacles such as kerbs, etc. Contact a Fiat Dealership should intervention be necessary.

LOAD LIMITERS

(for versions/markets, where provided)

To increase passenger safety in an accident, the front and rear (for versions/markets where provided) seat belt reels contain a load limiter which controls the force acting on the chest and shoulders during the restraining action of the belts in the event of a head-on collision.

ON BOARD INSTRUMENTS

SPEEDOMETER fig. 33-34

Depending on the version, the speedometer may have different full scale values.

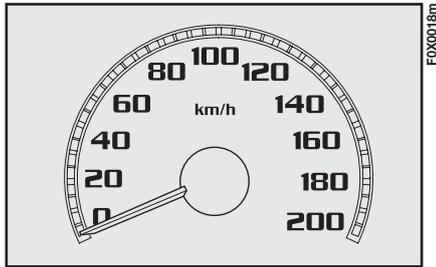


fig. 33

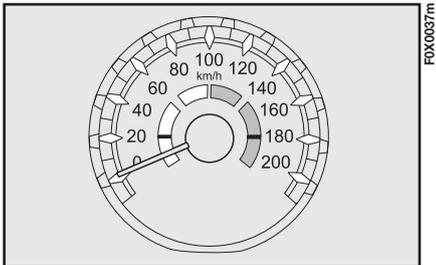


fig. 34

FUEL LEVEL GAUGE fig. 35-36

The needle shows the amount of fuel which should be left in the tank.

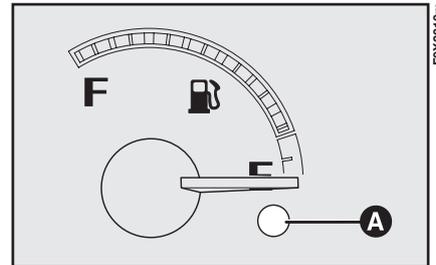


fig. 35

The reserve warning light A switches on constantly to indicate that approximately 5.5–7.5 litres of fuel are left in the tank.

Do not travel with the fuel tank almost empty; any gaps in fuel delivery could damage the catalytic converter.

E - tank empty.

F - tank full.

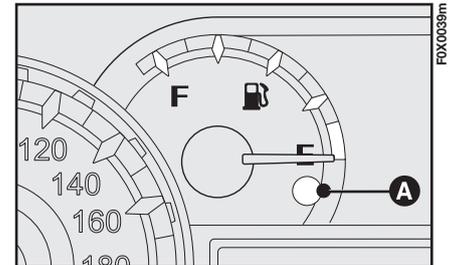


fig. 36

IMPORTANT If the indicator shows that the tank is empty and the reserve warning light A-fig. 35-36 flashes, this indicates a fault in the system. On some versions, the same fault indication is provided by scale C, which flashes on the display. If this is the case, contact a Fiat Dealership to have the system checked.

ENGINE COOLANT TEMPERATURE GAUGE **fig. 37-38**

If warning light A switches on in the instrument panel, this indicates overheating of the engine coolant.

In normal operating conditions, the needle may move to various positions within the scale according to the vehicle usage conditions and the management of the engine cooling system performed automatically by the system itself. However, it should not move to the red danger zone.

IMPORTANT If the needle moves to the beginning of the scale (low temperature) with the overheating warning light A on, this indicates a fault in the system. If this is the case, contact a Fiat Dealership to have the system checked.

The needle may also approach the red section when travelling too slowly in a very hot climate. In this case, it is best to stop for a while and stop the engine. Then restart and accelerate lightly.

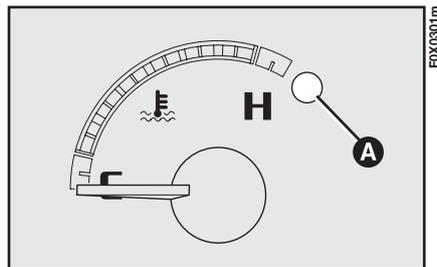


fig. 37

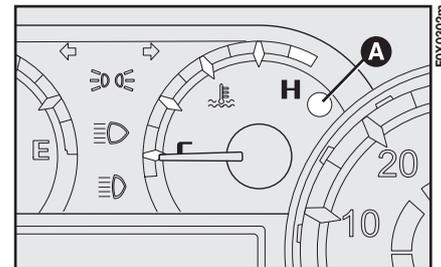


fig. 38



If the needle moves to the red zone, stop the engine immediately and contact a Fiat Dealership.



If this situation persists despite all measures taken, stop the engine and contact a Fiat Dealership.

REV COUNTER fig. 39-40

If the needle is next to the red marks, this indicates an engine speed which is too high and may damage the engine. This should therefore be avoided.

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.

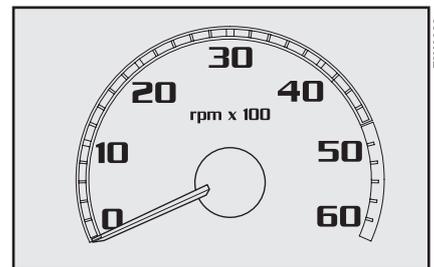


fig. 39

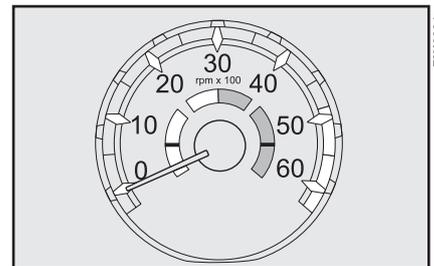


fig. 40

COMPASS fig. 41

Some versions may be equipped with a compass A for navigation. This instrument indicates the correct direction by switching on red LEDs in the scale. The most important cardinal points are marked on the scale:

N = North, S = South,
E = East, W = West plus
NW = North-West,
NE = North-East,
SW = South-West,
SE = South-East.

IMPORTANT The indication provided by the compass must only be considered as an aid for the driver. It should not encourage the driver to head towards and travel through unknown places and/or regions, relying solely on this navigation instrument.

IMPORTANT Strong magnetic fields (mobile phones, radio-frequency aerials etc.) may cause the compass to provide incorrect information.

ROLL AND PITCH METERS fig. 41

Some versions may feature a roll meter B and pitch meter C.

The roll and pitch meters provide indications on a scale with steps of 10 degrees, from +40 to -40 degrees.

When the vehicle is stationary (acceleration of less than 0.18 G) the indication will correspond to the angle of the vehicle itself.

IMPORTANT The indication provided by the roll and pitch meters must only be considered as an additional indication, not as “control” of the vehicle. The driver is always responsible or controlling the vehicle in all circumstances.



WARNING

The risk of rollover is present even if the vehicle features roll and pitch meters. Situations which are dangerous for other road users and for yourself should therefore be avoided.

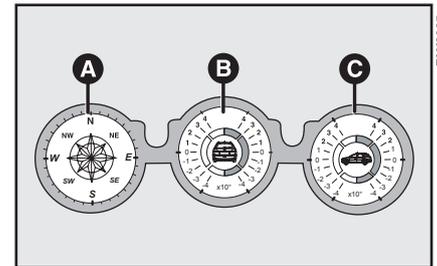


fig. 41

Recalibrating the instruments (compass and roll and pitch meters)

The red LEDs will start to flash if there is a fault with one of these instruments.

In this case, the instruments must be recalibrated. Proceed as follows:

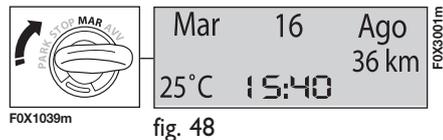
- park the vehicle in an area which is flat and with plenty of space (suitable for driving through a complete circle);
- make sure that the vehicle is completely stationary;
- start the engine;
- use the stalk to switch on the side lights 3 times in the space of 15 seconds;
- the roll and pitch meter LEDs flash to indicate that the recalibration process has started, after which the compass LEDs also flash;

- at this point, drive the vehicle through 2 complete circles, finishing at the same starting point;
- the compass LEDs will stop flashing; you must now switch the side lights off 3 times in the space of 15 seconds;
- the compass LEDs will switch on for a moment, after which the instrument panel display will show a dedicated message regarding the result of the calibration process.

IMPORTANT Do not carry out the recalibration procedure near strong magnetic fields or energy sources. To achieve correct recalibration, carry out the procedure with vehicle in running order and without additional loads.

MULTIFUNCTION DISPLAY

The functions and messages provided by the multifunction display fig. 48 depend on the optionals / version of your vehicle.



CONTROL BUTTONS

To correctly make use of the information that the display can provide, with ignition key at MAR-ON, you need to familiarise yourself with the TRIP button-fig. 49 at the end of the right stalk and with the MODE and ▲ ▼ buttons fig. 50 on the dashboard to the left of the steering wheel.

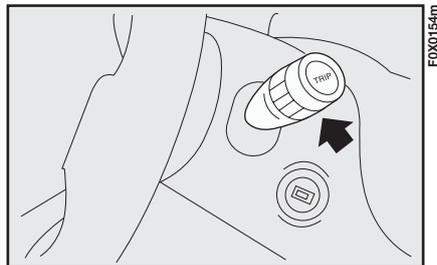


fig. 49

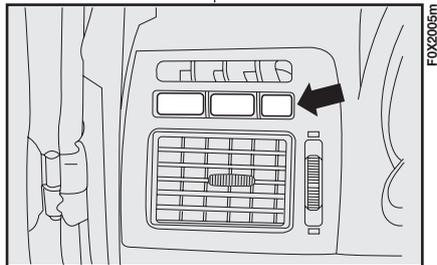
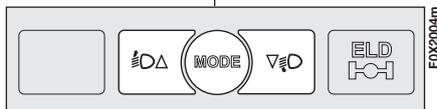


fig. 50

MODE button

Brief press:

- enter and exit FIAT MY CAR set-up menu;
- confirm / modify a selected function
- interrupt warning messages shown on the display.

Long press:

exit FIAT MY CAR set-up menu, storing settings and returning to the standard display or, depending on the situation, to the previous display.

▲ ▼ buttons

These allow FIAT MY CAR set-up menu options to be selected and some functions to be adjusted.

TRIP button

Brief press:

- access TRIP COMPUTER information.

Long press:

- reset TRIP COMPUTER.

Standard display fig. 51

A – date

B – milometer (total/trip)

C – clock

D – outside temperature.

On some versions, when a door is opened / closed with the key removed, the display shows the total milometer reading and the clock for a few seconds.

The display can also show the following:

- through the flashing “spanner” icon, when the vehicle must be taken to a Fiat Dealership for Scheduled Servicing;
- TRIP COMPUTER indications;
- brightness level adjustment for some internal controls;
- FIAT MY CAR menu;
- warning messages in the event of failures.

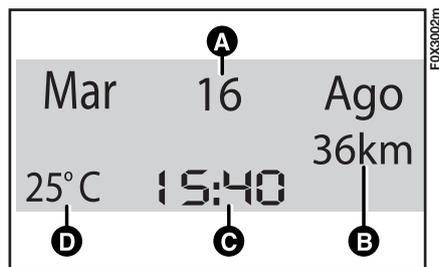


fig. 51

SET-UP MENU - FIAT MY CAR

This menu allows the vehicle configuration to be customised.

The functions and messages provided by the multifunction display fig. 52 depend on the optionals / version of your vehicle.



WARNING

You are advised to carry out the desired configurations in safety; only with the vehicle stationary.

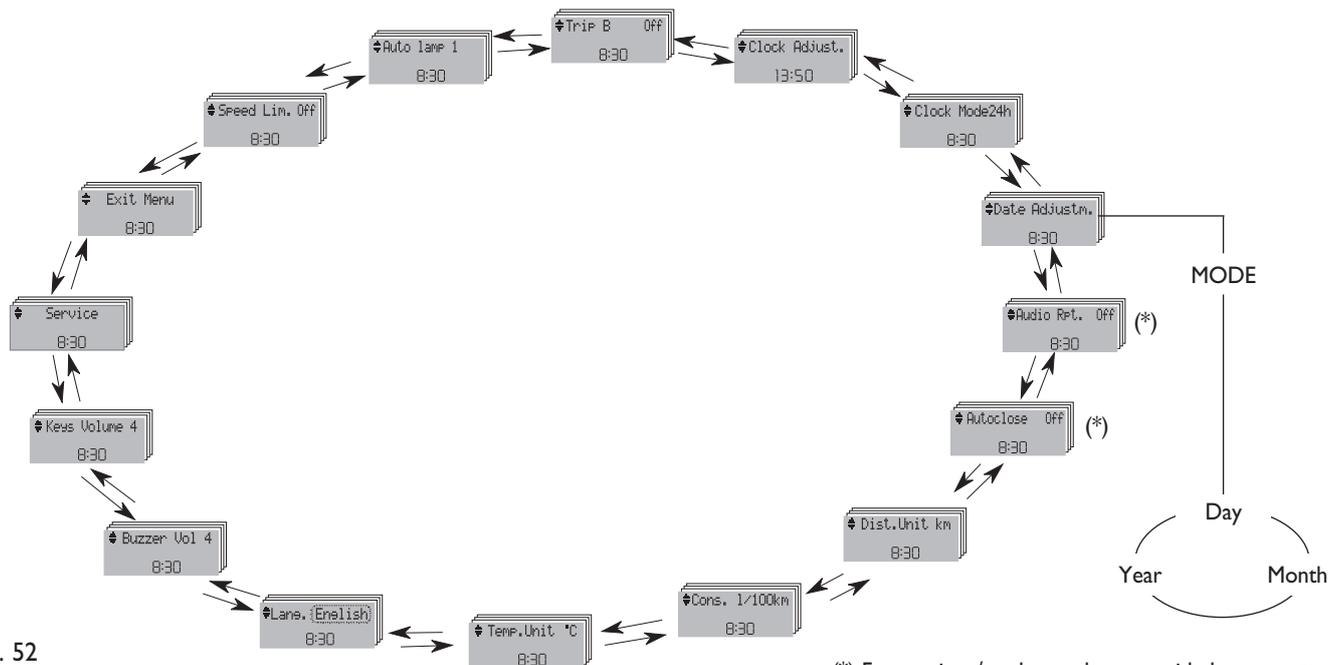


fig. 52

(*) For versions/markets, where provided

FOX3003g

Initial checks

When the key is turned to MAR-ON, the display begins a process of diagnosis for the vehicle's on-board systems. This may last for a few seconds. If, with the engine running, the system does not detect any faults, the system displays OK.

If the display indicates a fault, see WARNING LIGHTS AND MESSAGES in this section.

Speed limit exceeded (Spd. Lim.)

This function allows the vehicle speed limit to be set (km/h). When this is exceeded, the driver is notified through a dedicated indication on the display, an acoustic signal and a warning light (triangle logo).

This indications are interrupted immediately when the MODE button is pressed.

To set the speed limit, proceed as follows:

- press the MODE button briefly to enter the menu;
- press the ▼ button; Spd. Lim. will appear on the display;
- press the MODE button briefly, then ▼ or ▲ to select ON or OFF;
- to activate the function, press the MODE button briefly when ON flashes;
- press the ▼ button: a speed value will appear on the display;
- press the MODE button briefly: the value will flash;
- set the new values as desired, corresponding to the new speed limit, by pressing the ▼ and/or ▲ buttons.
- press the MODE button briefly to confirm;
- hold down the MODE button to return to the standard display.

The speed limit can only be set to a value of 30 km/h (or 20 mph) or above. Every time the ▼ or ▲ buttons are pressed, the value is decreased/increased by 5 units respectively. When the buttons are held down, the value decreases or increases rapidly, as appropriate. It is advisable to release the button as you approach the desired value, then complete the adjustment with single presses.

The indication on the display is interrupted automatically if the vehicle speed falls below the set value by at least 5 km/h (or 5 mph).

Dusk sensor sensitivity (auto lamp)

This function, only available for certain versions/markets, allows dusk sensor sensitivity to be adjusted to 3 levels:

level 1 – minimum sensitivity

level 2 – medium sensitivity

level 3 – maximum sensitivity

The greater the sensitivity, the lesser the light intensity required to automatically switch on the dipped headlights, side lights and number plate light.

To adjust, proceed as follows:

- press the MODE button briefly: the display will show the level set previously;
- press the ▼ or ▲ button to make the desired adjustment;
- press the MODE button briefly to confirm;
- hold down the MODE button to return to the standard display.

Trip B

This function, present only on some versions/markets where provided, allows the display of Trip B (partial trip) to be activated (ON) or deactivated (OFF). For further information, see TRIP COMPUTER in this section.

To activate or deactivate the function, proceed as follows:

- press the MODE button briefly: ON or OFF (depending on the previous setting) flashes on the display;
- press the ▼ or ▲ button to select;
- press the MODE button briefly to confirm;
- hold down the MODE button to return to the standard display.

Set Clock (time adjustment)

To adjust the time, proceed as follows:

- press the MODE button briefly: the hours flash on the display;
- press the ▼ or ▲ button to adjust;
- press the MODE button briefly: the minutes flash on the display;
- press the ▼ or ▲ button to adjust;
- press the MODE button briefly to confirm;
- hold down the MODE button to return to the standard display.

Every time the ▼ or ▲ buttons are pressed, the value is decreased/increased by 1 unit respectively. When the buttons are held down, the value decreases or increases rapidly, as appropriate. It is advisable to release the button as you approach the desired value, then complete the adjustment with single presses.

Clock Mode (12h or 24h)

To choose the time display format (12h or 24h), proceed as follows:

- press the MODE button briefly: the mode set previously flashes on the display;
- press the ▼ or ▲ button to select 12h or 24h;
- press the MODE button briefly to confirm;
- hold down the MODE button to return to the standard display.

Set Date

This function is used to set the date (day – month – year). To set, proceed as follows:

- press the MODE button briefly: the year flashes on the display;
- press the ▼ or ▲ button to adjust;

- press the MODE button briefly: the month flashes on the display;
- press the ▼ or ▲ button to adjust;
- press the MODE button briefly: the day flashes on the display;
- press the ▼ or ▲ button to adjust;
- press the MODE button briefly to confirm;
- hold down the MODE button to return to the standard display.

Every time the ▼ or ▲ buttons are pressed, the value is decreased/increased by 1 unit respectively. When the buttons are held down, the value decreases or increases rapidly, as appropriate. It is advisable to release the button as you approach the desired value, then complete the adjustment with single presses.

Audio Rpt. (radio info repetition for versions/markets, where provided)

This function, present only on some versions/markets where provided, allows the frequency band or the RDS messages from the current station to be displayed.

To activate (ON) or deactivate (OFF) radio info repetition, proceed as follows:

- press the MODE button briefly: ON or OFF (depending on the previous setting) flashes on the display;
- press the ▼ or ▲ button to select;
- press the MODE button briefly to confirm;
- hold down the MODE button to return to the standard display.

Autoclose - Door Lock (with vehicle in motion for versions/markets, where provided)

This function, present only on some versions/markets where provided, allows automatic locking of doors above a speed of 20 km/h to be activated.

To activate (ON) or deactivate (OFF) the function, proceed as follows:

- press the MODE button briefly: ON or OFF (depending on the previous setting) flashes on the display;
- press the ▼ or ▲ button to select;
- press the MODE button briefly to confirm;
- hold down the MODE button to return to the standard display.

Dist. Unit (distance unit)

This function, present only on some versions/markets where provided, allows the unit of measurement used to calculate distance to be selected: km or mi.

Proceed as follows:

- press the MODE button briefly: km or mi (depending on the previous setting) flashes on the display;
- press the ▼ or ▲ button to select;
- press the MODE button briefly to confirm;
- hold down the MODE button to return to the standard display.

Cons. (fuel consumption unit)

This function, present only on some versions/markets where provided, allows the unit of measurement used to calculate fuel consumption to be selected: km/l or l/100km.

Proceed as follows:

- press the MODE button briefly: km/l or l/100km (depending on the previous setting) flashes on the display;
- press the ▼ or ▲ button to select;
- press the MODE button briefly to confirm;
- hold down the MODE button to return to the standard display.

Temp. Unit (outdoor temperature unit)

This function, present only on some versions/markets where provided, allows the unit of measurement used to calculate outdoor temperature to be selected: °C or °F.

Proceed as follows:

- press the MODE button briefly: °C or °F (depending on the previous setting) flashes on the display;
- press the ▼ or ▲ button to select;
- press the MODE button briefly to confirm;
- hold down the MODE button to return to the standard display.

Lang. English (language selection)

This function allows the language used by the display to be selected. Available languages are: Italian, German, English, French, Spanish, Portuguese and Turkish.

To set the desired language, proceed as follows:

- press the MODE button briefly: the language (depending on the previous setting) flashes on the display;
- press the ▼ or ▲ button to select;
- press the MODE button briefly to confirm;
- hold down the MODE button to return to the standard display.

Buzzer Vol. (warning / fault buzzer volume level)

This function allows the volume for the buzzer that accompanies any fault / warning messages shown on the display to be adjusted. According to the version, it can be adjusted along an eight-point scale (from 0 to 7) or a 5-point scale (from 0 to 4).

To set the desired level, proceed as follows:

- press the MODE button briefly: the level (depending on the previous setting) flashes on the display;
- press the ▼ or ▲ button to select;
- press the MODE button briefly to confirm;
- hold down the MODE button to return to the standard display.

Button Vol. (button volume level)

This function allows the volume of the sound that accompanies MODE, ▼ and ▲ button presses to be set. It can be adjusted along an eight-point scale (from 0 to 7).

To set the desired level, proceed as follows:

- press the MODE button briefly: the level (depending on the previous setting) flashes on the display;
- press the ▼ or ▲ button to select;
- press the MODE button briefly to confirm;
- hold down the MODE button to return to the standard display.

Service (Scheduled Servicing)

The display allows the distance before Scheduled Servicing (“coupon”) provided by Fiat Dealerships is due to be shown, in kilometres or miles (depending on the previous setting).

To view this indication, proceed as follows:

- press the MODE button briefly: the display shows the distance before servicing is required in kilometres or miles (depending on the previous setting);
- press the ▼ or ▲ button to view the remaining distance;
- hold down the MODE button to return to the standard display.

Note The “Scheduled Servicing Plan” includes vehicle maintenance every 35,000 km; with key at MAR-ON, this is shown automatically when there are 2,000 km until the next “coupon” and reappears every 200 km.

When scheduled servicing approaches and the ignition key is turned to MAR-ON, the  icon will appear on the display followed by the number of kilometres before the next Scheduled Servicing operation.

Contact a Fiat Dealership, where the operations in the “Scheduled servicing plan” will be performed and the message will be reset.

For further information, see Scheduled Servicing Plan in the VEHICLE MAINTENANCE section.

Exit menu

This is the last option concluding the menu function cycle.

- Press the MODE button briefly: the display returns to the standard screen.
- Pressing the ▼ button returns to the first menu option: Spd. Lim.

Doors open warning

On some versions, the display indicates which door has inadvertently been left open.

On others, the “doors open” warning light on the instrument panel switches on in the same circumstances. On some versions, the system informs the driver that a speed of 4 km/h has been exceeded through an acoustic signal.

Exterior lighting check

The  warning light switches on to indicate a failure in one of the external lights. On some versions, the display can indicate the electrical circuit where the fault is present.

Interior lighting adjustment (dimmer)

This function permits a decrease and/or increase in light intensity for the instrument panel, car radio display and control button serigraphy.

To adjust to the desired level, simply press the ▼ or ▲ buttons; after a few seconds, the display returns to the previous screen automatically.

TRIP COMPUTER

(for versions/markets,
where provided)

General information

Available on cars with reconfigurable multifunction display, the Trip computer is used to display information on vehicle operation when the key is turned to MAR-ON. This function comprises “General trip” concerning the “complete mission” of the vehicle (journey) and “Trip B” (only available on reconfigurable multifunction display) concerning the partial mission of the car; this function is included in the general trip information (as shown in fig. 54).

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

“General Trip” displays the figures relating to:

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

“Trip B”, available on the reconfigurable multifunction display only, displays the figures relating to:

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

Note “Trip B” may be disabled (see “Activating Trip B”). “Range” cannot be reset.

Values displayed

Range

This value shows the distance that the car can still cover before needing fuel, assuming that driving style is unvaried. The display will show the reading “----” when the following events take place:

- range value lower than 50 km (or 30 mi)
- vehicle stopped with engine running for an extended period.

Distance travelled

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

Average consumption

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

Instantaneous consumption

This value shows the fuel consumption. The value is constantly updated. “----” will appear on the display if the vehicle is stopped with the engine running.

Average speed

This value shows the average speed of the vehicle considering the overall time elapsed since the start of a new journey.

Trip time

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

IMPORTANT In the absence of information, all Trip Computer values are displayed with “----” instead of the value. The various values will be counted as normal when standard operating conditions are restored. This will not reset any of the values displayed before the failure nor will it start a new trip.

TRIP button fig. 53

The TRIP button is located at the end of the right stalk. With the ignition key turned to MAR-ON, it allows the parameters described previously to be viewed, as well as reset for a new trip:

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

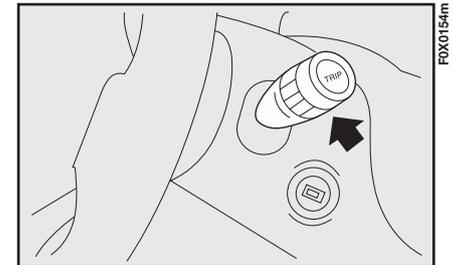


fig. 53

New mission: this begins after a reset:

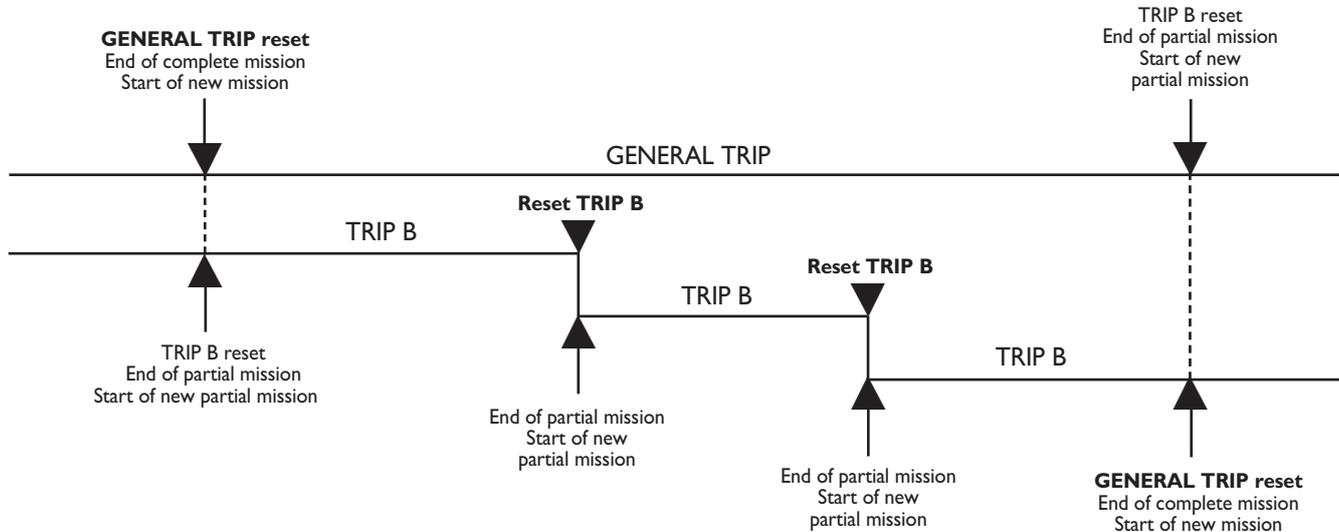
- “manual” resetting by the user, by pressing the relevant button;
- “automatic” resetting, when the distance travelled reaches 3,999.9 km or 9,999.9 km (depending on the type of display) or when the travel time reaches 99.59 (99 hours and 59 minutes);

– after disconnection/reconnection of the battery.

IMPORTANT “General Trip” resets will reset “Trip B” at the same time, while resetting “Trip B” will only reset the values of the trip B function.

Start of trip procedure

With the ignition key at MAR-ON, reset by holding the TRIP button down for more than 2 seconds.



WARNING LIGHTS AND MESSAGES

The warning light switches on together with (where the instrument panel permits) a specific message and/or acoustic signal. These indications are precautionary and as such must not be considered as exhaustive and/or alternative to the information contained in the Owner Handbook, which you are advised to read carefully in all cases. Always refer to the information in this section in the event of a failure indication.

IMPORTANT The failure indications displayed are divided into two categories: very serious and less serious faults.

Very serious faults prompt a prolonged cycle of signals.

Less serious faults prompt a shorter cycle of signals.

Warning lights (or the symbol on the display) on the instrument panel will stay on until the cause of the failure is eliminated.



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

When the key is turned to MAR, the warning light switches on but should switch off after a few seconds.

Brake fluid low

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

On some versions, the display shows a dedicated message.



WARNING

If the (ⓘ) warning light switches on when travelling (together with the message on the display on certain versions), stop the vehicle immediately and contact a Fiat Dealership.

Handbrake engaged

The warning light switches on when the handbrake is engaged.

On certain versions, if the vehicle is in motion, the warning light switches on together with an acoustic signal.

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



AIRBAG FAILURE (red) (for versions/markets, where provided)

When the key is turned to MAR, the warning light switches on but should switch off after a few seconds. The warning light switches on constantly if there is a fault in the airbag system. On some versions, the display shows a dedicated message.



WARNING

If the  warning light does not switch on when the key is turned to MAR or stays on when driving, there may be a fault with the restraint systems. In this case, the airbags or the pretensioners may not be activated in the case of an accident or (in a lesser number of cases) they may be activated incorrectly. Contact a Fiat Dealership immediately to have the system checked.



WARNING

The failure of the  warning light is indicated by the flashing, for more than the normal 4 seconds, of the front passenger airbag deactivated warning light . In addition, the airbag system automatically disables the airbags on the passenger's side (front airbag and side bags for versions/markets, where provided). In this case, the  warning light may not indicate faults in the restraint systems. Before proceeding, contact a Fiat Dealership immediately to have the system checked.



PASSENGER AIRBAG DEACTIVATED (amber) (for versions/markets, where provided)

The  warning light switches on when the front passenger side airbag is deactivated.

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



WARNING

Failure of the  warning light is indicated by the  warning light switching on. In addition, the airbag system automatically disables the airbags on the passenger's side. Before proceeding, contact a Fiat Dealership immediately to have the system checked.



EXCESSIVE ENGINE COOLANT TEMPERATURE (red)

When the key is turned to MAR, the warning light switches on but should switch off after a few seconds.

The warning light turns on when the engine is overheated.

If the warning light switches on, proceed as follows:

- In the case of normal driving: stop the vehicle, stop the engine and check that the level of coolant in the reservoir is not below the MIN reference. In these circumstances, wait a few minutes to let the engine cool, then open the reservoir cap slowly and cautiously.

Top up with coolant, making sure that the level of fluid is between the MIN and MAX references on the reservoir. Also check visually for leaks. If, when restarting, the warning light should come on again, contact a Fiat Dealership.

- If the vehicle is used under demanding conditions (e.g. towing trailers uphill or fully loaded): slow down and, if the light stays on, stop the vehicle.

Wait for 2 or 3 minutes with the engine running and slightly accelerated to further favour the coolant circulation. Then stop the engine. Check correct fluid level in the reservoir as described above.

IMPORTANT Over demanding routes, it is advisable to keep the engine on and slightly accelerated for a few minutes before switching it off. On some versions, the display shows a dedicated message.



BATTERY CHARGE LOW (red)

The warning light switches on when the ignition key is turned to MAR, but it should switch off as soon as the engine has started (with the engine idling a brief delay before switching off is acceptable).

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

On some versions, the display shows a dedicated message.



ABS SYSTEM FAILURE (amber)

When the key is turned to MAR, the warning light switches on but should switch off after a few seconds.

The warning light will switch on when the system is either not working or not available. In this case the braking system maintains its own efficiency unaltered, but without the advantage of the ABS system.

Drive carefully and contact a Fiat Dealership as soon as possible.

On some versions, the display shows a dedicated message.



EBD FAILURE (red - amber) (for versions/ markets, where provided)

If the  and  warning lights switch on simultaneously with the engine running, this indicates that there is a fault in the EBD system or that the system is unavailable.

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

On some versions, the display shows a dedicated message.



**Constant: LOW
ENGINE OIL
PRESSURE (red)**

**Flashing: ENGINE OIL
DETERIORATED
(red)**

When the key is turned to MAR, the warning light switches on, but should switch off as soon as the engine is started.

Low engine oil pressure

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



WARNING

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

Engine oil deteriorated

The  warning light starts to flash together with a message on the display (for versions/markets, where provided) when the system detects that the engine oil has deteriorated.

If the warning light flashes, this does not mean that the vehicle is faulty, but simply informs the driver that it is now necessary to change the engine oil as a result of regular vehicle use.

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

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



To avoid damaging the engine you are advised to change the engine oil when the warning light  flashes. Contact a Fiat Dealership.



SEAT BELTS NOT FASTENED (red)

(for versions/markets, where provided)

When the ignition key is turned to MAR-ON, the warning light flashes 10 times in 10 seconds, regardless of whether or not the seat belt is fastened.



DOORS NOT CLOSED CORRECTLY (red)

On certain versions, the warning light switches on when one or more doors are not closed correctly. On some versions, the display shows a dedicated message. On some versions, an acoustic signal is emitted when the vehicle is in motion.



INJECTION SYSTEM FAILURE (amber)

In normal conditions, when the ignition key is turned to MAR, the warning light switches on, but should switch off when the engine starts.

If the warning light stays on or comes on when travelling, it means there is a fault in the injection system which could cause loss of performance, poor handling and high fuel consumption levels.

On some versions, the display shows a dedicated message.

Under these conditions, the vehicle can continue travelling at moderate speed without demanding excessive effort from the engine. In any case, you should contact a Fiat Dealership as soon as possible.



Contact a Fiat Dealership as soon as possible if the  warning light does not switch on

when the ignition key is turned to MAR or if it switches on when driving (together with a message on the display on some versions). The operation of the  warning light may be checked by the traffic control authorities using specific devices. Always comply with the traffic regulations in force in the country where you are driving.



FIAT CODE VEHICLE PROTECTION SYSTEM FAULT

(amber) (for versions/markets where provided)

The warning light may come on (and a message on the multifunction display may appear on certain versions) to indicate that there is a fault in the Fiat Code system or, if applicable, the alarm system; in this case, contact a Fiat Dealership as soon as possible.



FUEL RESERVE (amber)

When the key is turned to MAR, the warning light switches on but should switch off after a few seconds.

The warning light switches on when 5.5 to 7.5 litres of fuel are left in the tank.

On some versions, the  warning light flashes on the display.



PLUG PREHEATING/PLUG PREHEATING FAILURE (amber)

Plug preheating

This warning light switches on when the key is turned to MAR. It will switch off when the plugs have reached a preset temperature.

Start the engine as soon as the warning light switches off.

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

Plug preheating failure

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

On some versions, the display shows a dedicated message.



BRAKE PAD WEAR (amber) (for versions/markets, where provided)

The warning light switches on if the front brake pads are worn. In this case replace them as soon as possible.

On certain versions a dedicated message is displayed.



WATER IN DIESEL FILTER (amber)

When the key is turned to MAR, the warning light switches on but should switch off after a few seconds.

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

On some versions, the display shows a dedicated message.



The presence of water in the fuel supply circuit may cause severe damage to the injection system and irregular engine operation. If the  warning light switches on (on some versions together with the message on the display), contact a Fiat Dealership as soon as possible to have the system bled. If this problem is indicated immediately after refueling, water may have entered the fuel tank. In this case, stop the engine immediately and contact a Fiat Dealership.



EXTERIOR LIGHTS FAULT (amber)

(for versions/markets, where provided)

The warning light will switch on, on some versions, when a fault with one of the following lights is detected:

- side lights
- brake lights
- rear fog lights
- direction indicators
- number plate lights.

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

On some versions, the display shows a dedicated message.



GENERIC FAILURE INDICATION (amber)

The warning light switches on in the following circumstances.

DPF (particulate filter) cleaning in progress

(for versions/markets, where provided)

The warning light switches on to inform the driver that the DPF system needs to eliminate the trapped pollutants (particulate) through the regeneration process.

The warning light will switch off if the vehicle remains in motion until the regeneration process has been completed.

Together with the warning light, the display shows the dedicated message.

On some versions, together with the message on the display, there is an acoustic signal.

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



WARNING

Always drive at a speed appropriate to the traffic conditions, the weather and traffic regulations. You are advised to stop the engine and stop driving only after the warning light has switched off, following completed regeneration.

Speed limit exceeded (for versions/markets, where provided)

This warning light switches on (on some versions together with a dedicated message on the display and an acoustic signal) when the vehicle exceeds the speed limit set previously.

Fuel cut-off inertia switch tripped

The warning light switches on when the fuel cut-off inertia switch is tripped.

The display will show the dedicated message.



DRIVING LIGHTS (amber) (for versions/markets, where provided)

The warning light comes on when the driving lights are activated. These operate only with main beam headlights on.



SIDE LIGHTS (green) - FOLLOW ME HOME (green)

Side lights

The warning light switches on when the side lights are activated.

Follow me home

(for versions/markets, where provided)

This warning light switches on when this device is activated (see Follow Me Home in this section).

The display will show the dedicated message.



FOG LIGHTS (green)
(for versions/markets, where provided)

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



REAR FOG LIGHTS (amber)
(for versions/markets, where provided)

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



MAIN BEAM HEADLIGHTS

The warning light switches on when the main beams headlights are activated.



LEFT DIRECTION INDICATOR (green - intermittent)

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



RIGHT DIRECTION INDICATOR (green - intermittent)

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



E-LOCKER SYSTEM (Front differential locking)
(for versions/markets, where provided)

The warning light switches on (on some versions together with a dedicated message on the display) as follows:

- flashing when the system is activated;
- flashing more rapidly to indicate that the speed of the vehicle is approaching 20 km/h;
- constantly if there is a fault with the system.

CLIMATE CONTROL/HEATING SYSTEM

- 1 - Diffusers for windscreen demisting.
- 2 - Diffusers for front side window demisting.
- 3 - Adjustable side and central diffusers.
- 4 - Side vents to direct air to the front passenger footwell.

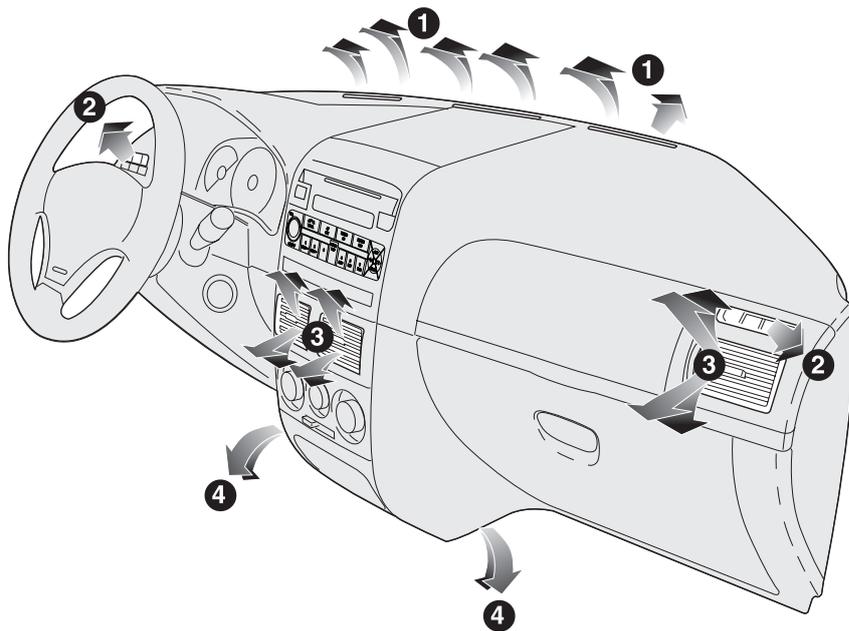


fig. 55

F0X0027m

ADJUSTABLE DIFFUSERS fig. 56-57

The diffusers can be rotated upwards and downwards.

A - Air flow adjustment control:

- turned to : diffuser open;
- turned to : diffuser closed.

B - Lateral air flow adjustment control.

The diffusers can be rotated upwards and downwards.

C - Fixed diffusers for side windows
fig. 57.

HEATING AND VENTILATION

CONTROLS fig. 58

A - Knob to regulate the air temperature (mixing hot and cold air).

B - Cursor to control the recirculation function, preventing the entrance of air from the outside.

C - Knob to activate the fan.

D - Air distribution knob.

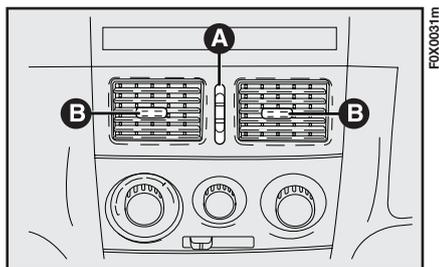


fig. 56

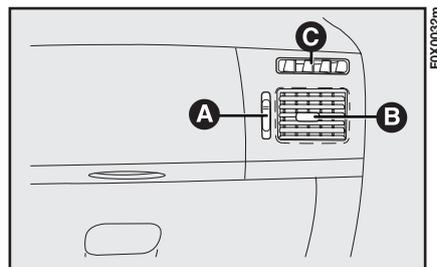


fig. 57

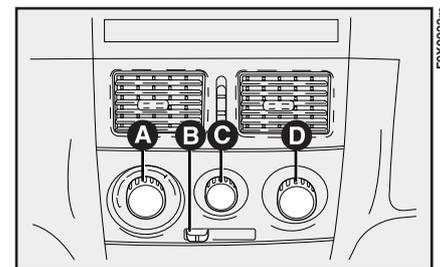


fig. 58

HEATING

- 1) Air temperature knob A: indicator on red section.
- 2) Fan knob C: indicator on desired speed.
- 3) Air distribution knob D; indicator on:
 -  to warm the feet and, at the same time, demist the windscreen;
 -  to direct air to the feet and receive air of a slightly lower temperature at the central diffusers and dashboard vents;
 -  for rapid heating.
- 4) Recirculation cursor: to achieve more rapid heating, move the air recirculation cursor to  i.e. circulation of internal air only.

FAST DEMISTING AND/OR DEFROSTING

Windscreen and side windows

- 1) Air temperature knob A: indicator on red section (turned to the far right).
- 2) Fan knob C: indicator on maximum speed.
- 3) Air distribution knob D: indicator on .

IMPORTANT With the air distribution knob at  air also comes out of the central and side diffusers. To optimise demisting/defrosting (also on side windows) stop the air flow at the central diffusers (specific control knob turned down to ) and open the side diffusers (specific control knob turned up to .

- 4) Air recirculation cursor at  i.e. air drawn in from outside.

After demisting/defrosting, operate the controls to maintain optimum visibility conditions.

VENTILATION

- 1) Central and side diffusers: completely open.
- 2) Air temperature knob A: indicator on blue section.
- 3) Fan knob C: indicator on desired speed.
- 4) Air distribution knob D: indicator on .
- 5) Air recirculation cursor: at  i.e. air drawn in from outside.

RECIRCULATION

With cursor at , only circulation of internal air is active.

IMPORTANT When the temperature outside is very high, recirculation accelerates the cooling of the air. It is also particularly useful when there is a high level of external pollution (in queues, tunnels, etc.). Extended use is not advised however, especially with many people on board.

IMPORTANT Do not use the recirculation function on cold/rainy days. This would result in greater internal misting of windows, making visibility and driving conditions dangerous.

MANUAL CLIMATE CONTROL

CONTROLS fig. 59

- A - Knob to regulate the air temperature (mixing hot and cold air).
- B - Cursor to activate air recirculation, preventing the entrance of air from the outside.
- C - Knob for activating the fan and, when pressed, activating/deactivating the climate control system.

Climate control activation is only permitted if the indicator on this knob is located at 1, 2, 3 or 4 , and is indicated by the central LED on the knob itself. When turned to  climate control activation is therefore inhibited.

D - Air distribution knob.



The system uses R134a refrigerant fluid which does not pollute the environment in the event of accidental leakage. Never use R12 fluid, which is not compatible with the system components.

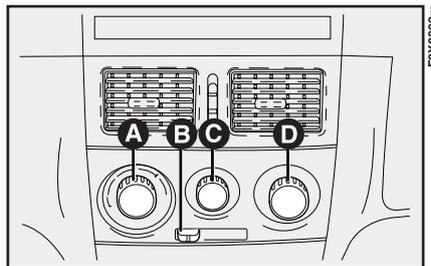


fig. 59

CLIMATE CONTROL (COOLING)

To cool the air in the passenger compartment quickly, the vehicle features a climate control system. Proceed as indicated below:

- 1) Air temperature knob A: indicator on blue section (turned to the far left).
- 2) Fan knob C turned to fourth speed, indicator at 4 .
- 3) Cursor B: at .
- 4) Air distribution knob D: indicator at ; check that all diffusers are open.
- 5) Climate control: press knob C.

To assist the process of cooling the air in the passenger compartment, especially when the vehicle has been parked in the sun, lower the windows on the doors for a maximum of 2 or 3 minutes, so that air is exchanged with the outside.

To regulate cooling: move the air recirculation cursor to , increase the temperature and decrease the fan speed.

HEATING

For heating and ventilation functions, do not activate climate control. Instead, use the normal heating and ventilation system (see previous section).

FAST DEMISTING AND/OR DEFROSTING

The climate control system is very useful for speeding up demisting since it dehumidifies the air. Simply adjust the controls as appropriate for demisting and activate the climate control, by pressing knob C.

Windscreen and side windows

- 1) Climate control: press knob C.
- 2) Air temperature knob: indicator on red section (turned to the far right) on cold days or on blue section (turned to the far left) on hot days.
- 3) Fan cursor: indicator on maximum speed.
- 4) Air distribution knob: indicator on .
- 5) Air recirculation deactivated, cursor at .

IMPORTANT With the air distribution knob at  air also comes out of the central and side diffusers. To optimise demisting /defrosting (also on side windows) stop the air flow at the central diffusers (specific control knob turned down to ) and open the side diffusers (specific control knob turned up to ).

After demisting, operate the controls to maintain optimum visibility conditions.

EXTERIOR LIGHTS

The left stalk operates most of the external lights.

The ignition key has to be at MAR for the exterior lights to switch on.

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

LIGHTS OFF fig. 60

Ring nut turned to position .

SIDE LIGHTS fig. 60

Turn the ring nut to .

The  warning light switches on in the instrument panel.

DIPPED HEADLIGHTS fig. 60

Turn the ring nut to .

The  warning light switches on in the instrument panel.

MAIN BEAM HEADLIGHTS

fig. 60

With the ring nut at , push the stalk forwards towards the dashboard (stable position).

The  warning light switches on in the instrument panel.

They switch off when the stalk is pulled towards the steering wheel (the dipped headlights are reactivated).

FLASHING fig. 60

You can flash the beams by pulling the stalk towards the steering wheel (unstable position).

The  warning light will switch on in the instrument panel.

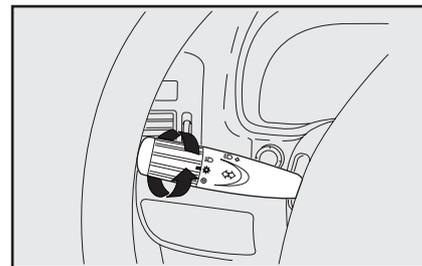


fig. 60

DIRECTION INDICATORS fig. 61

Up = right indicator.

Down = left indicator.

The ⇨ or ⇩ warning light flashes on the instrument panel.

The direction indicators are switched off automatically when the steering wheel is straightened.

If you want the indicator to flash briefly to show that you are about to change lane, turning the wheel only slightly, move the stalk up or down without clicking into position (unstable position).

When released the stalk will return to its initial position.

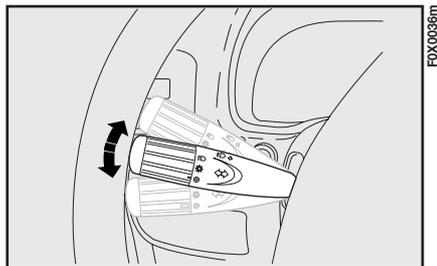


fig. 61

“FOLLOW ME HOME” DEVICE fig. 62

This device lights up the space in front of the vehicle for a short time.

Activation

With ignition key at STOP or removed, pull the stalk towards the steering wheel and move it within 2 minutes after the engine stops.

Each time the stalk is moved, the lights stay on for a further 30 seconds up to a maximum of 210 seconds; then the lights are switched off automatically.

The display shows the time set.

Deactivation

Pull the lever towards the steering wheel for more than 2 seconds or turn the key to MAR in the ignition switch.



fig. 62

WINDOW CLEANING

The right stalk fig. 63 controls windscreen wiper/washer and heated rear window wiper/washer operation.

WINDSCREEN WASHER/WIPER

This operates only with the ignition key turned to MAR.

The stalk has five different positions (4 speed levels):

- 0 windscreen wiper off.
- 1 intermittent operation.
- 2 continuous slow operation.

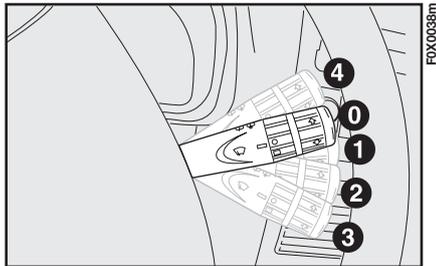


fig. 63

3 continuous fast operation.

4 temporary fast operation (unstable position).

Temporary fast operation lasts as long as you manually keep the stalk in that position.

The lever returns to position 0 when it is released, automatically stopping the windscreen wipers.

Windscreen wiper speed reduction according to vehicle speed (for versions/markets, where provided)

On some versions, when decelerating until the vehicle stops, the windscreen wiper will slow down automatically by one level. The speed will be resumed automatically when the vehicle speed exceeds 10 km/h. It is possible to manually change the windscreen wiper speed at any time.

“Smart washing” function

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

Keep the lever pulled to activate both the windscreen washer jet and the windscreen wiper with a single movement; the latter turns on automatically if you keep the lever pulled for more than half a second. The windscreen wiper stops operating a few strokes after releasing the stalk; a further “cleaning stroke”, after a few seconds, completes the wiping operation.



Do not use the windscreen wipers to remove layers of snow or ice from the windscreen. In these conditions, the windscreen wipers may be submitted to excessive effort resulting in the motor protection cutting in and wiper operation being inhibited for a few seconds. If operation is not subsequently restored, contact a Fiat Dealership.

CONTROLS

HAZARD WARNING LIGHTS fig. 64

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

With the device activated, the switch flashes and the ◀ ▶ warning lights flash on the instrument panel at the same time.

To switch off, press the switch again.



WARNING

The use of hazard warning lights is governed by the highway code of the country you are in. Drivers must therefore comply with the regulations that the code contains.

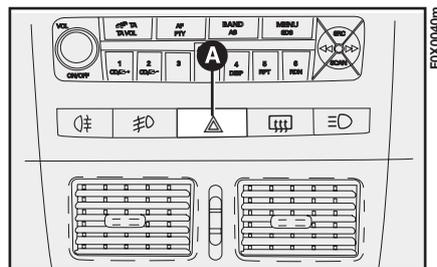


fig. 64

CONTROLSWITCHES fig. 65

These are located above the central air diffusers.

They only operate with ignition key at MAR.

When a function is activated, the appropriate warning light switches on in the instrument panel.

To deactivate, press the button again.

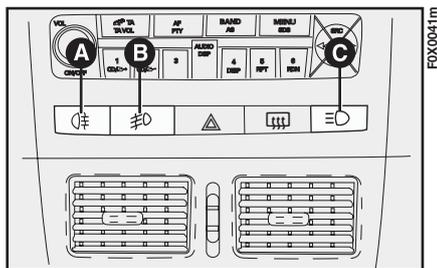


fig. 65

Rear fog lights

Switch A: to activate these lights, the dipped headlights and/or front fog lights must be switched on. The rear fog lights are deactivated when the ignition key is turned to STOP.

If they are required when the vehicle is next started, they must be reactivated.

Fog lights

Switch B: to activate these lights, the external lights must be switched on (not the main beam headlights). The front fog lights are deactivated when the ignition key is turned to STOP.

If they are required when the vehicle is next started, they must be reactivated.

Driving lights

Switch C. To activate these lights, the main beam headlights must be switched on. The driving lights are deactivated when the ignition key is turned to STOP.

If they are required when the vehicle is next started, they must be reactivated.

FUEL CUT-OFF SWITCH fig. 66

This is a safety switch that is tripped in the event of impact, cutting off the fuel supply, thereby causing the engine to stop.



WARNING

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

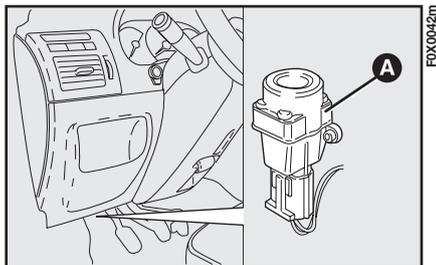


fig. 66

If no fuel leaks are detected and the vehicle can be started again, press button A to reactivate the fuel system.

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

INTERNAL FEATURES

GLOVE COMPARTMENT fig. 67

To open, pull grip A. On some versions, when the glove compartment opens the internal lighting switches on. Some versions feature an upper compartment. To open press button B.



WARNING

Do not travel with the glove box open: it could injure the passenger in the event of an accident.

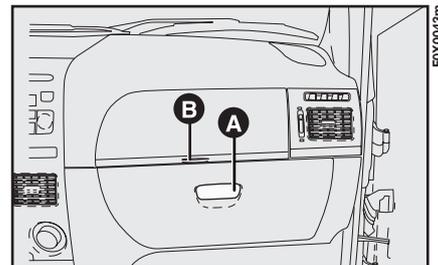


fig. 67

GLASSES HOLDER fig. 68

For some versions, there is a glasses holder on the driver side door. To open, operate in the direction of the arrow as illustrated.

FRONT ROOF LIGHTS

With tilting lens fig. 69

The roof light is switched on using the lens, as follows:

pressed to 1: off;

normal position: switches on when a door is opened;

pressed to 2: always on

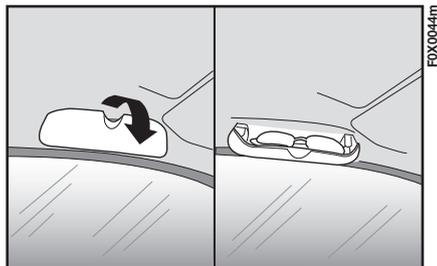


fig. 68

With switches and spot light fig. 70

The roof light switches on in 2 different situations according to the position of switch A:

1: always on (ON) even with doors closed;

2: switches on when a door is opened;

3: always off (OFF).

Spot light

Switch B controls the spot light, depending on the position:

1: spot light on (ON);

2: spot light off (OFF).

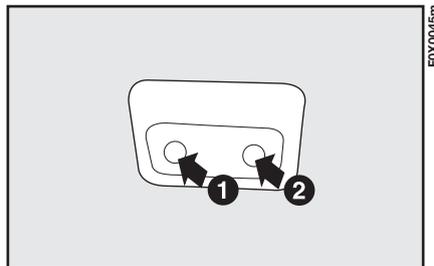


fig. 69

Roof light timing

On some versions, to facilitate getting into/out of the vehicle, especially at night or with poor lighting, 2 different timing modes are available.

Entrance timing

The roof lights switch on as follows:

- for a period of 15 seconds when the front doors are unlocked;
- for a period of 3 minutes when one of the doors is opened;

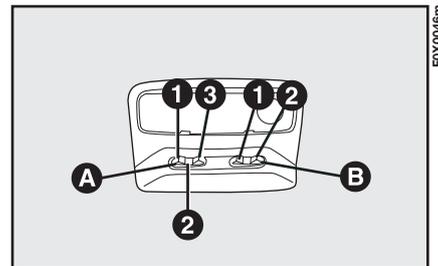


fig. 70

- for a period of 7 seconds when one of the doors is closed (within 3 minutes).

The timed period is interrupted if the ignition is turned to MAR.

Exit timing

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

- for a period of 3 minutes within 2 minutes of the engine stopping;
- for a period of 3 minutes when one of the doors is opened;
- for a period of 7 seconds when one of the doors is closed (within 3 minutes).

Timing will stop automatically when the doors are locked.

REAR ROOF LIGHT fig. 71

(for versions/markets, where provided)

The rear roof light is switched on using the lens, as follows:

pressed to 1: off;

normal position: switches on when a door is opened;

pressed to 2: always on.

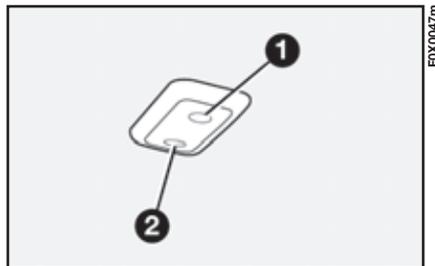


fig. 71

POWER SOCKET fig.72

This is present only on certain versions and operates when the ignition key is turned to MAR.

To use, lift cap A.

It can be used with devices / accessories with a maximum power of 180 W.



WARNING

Before connecting any electrical accessories, contact a Fiat Dealership to check whether this is possible.



fig. 72



WARNING

If the power socket is used as a cigar lighter, remember that it reaches high temperatures. Handle with care and make sure that children don't touch it: risk of fire and burns.



WARNING

After using the cigar lighter, always make sure that it is deactivated.

ASHTRAY fig. 73

This is present only on certain version and is housed in the central tunnel.

To use it, open cover A.

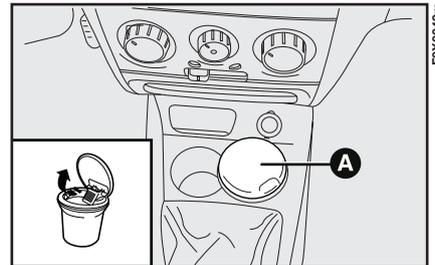


fig. 73

SUN VISORS fig. 74

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

Depending on the version, document holder A and mirror B are on the back of the driver side sun visor; a courtesy mirror is applied to the back of the passenger side sun visor.

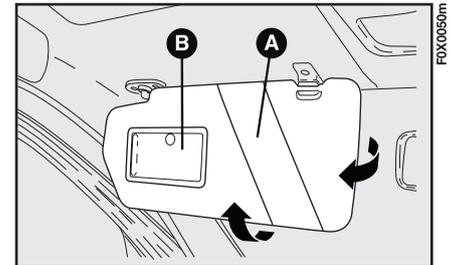


fig. 74

DOORS



WARNING

Before opening a door, ensure that you can do so in safe conditions.

FROM OUTSIDE

Opening: turn the key to position 1 - fig. 75 and pull the opening handle.

Closing: turn the key to position 2.

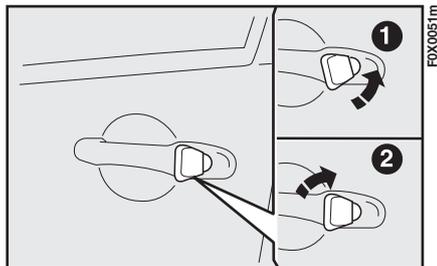


fig. 75

FROM INSIDE

Opening: pull opening lever A-fig. 76.

Closing: close the door and press the lever.

CENTRAL LOCKING

From outside

With the doors closed, insert and turn the key in a door lock.

From inside

With doors closed, press (to lock) or pull (to unlock) one of the door opening levers.

The remote control can also be used to activate central locking.

IMPORTANT If one of the doors is not fully closed or there is a system failure, central locking will not operate and, after several attempts, the system will be excluded for about 30 seconds.

The doors can be locked or unlocked during this period, without the intervention of the electronic system. After the 30 seconds have elapsed, the control unit is ready to receive commands again.

If the cause of operational failure has been removed, the device will resume normal operation.

Otherwise, the exclusion cycle will be repeated.

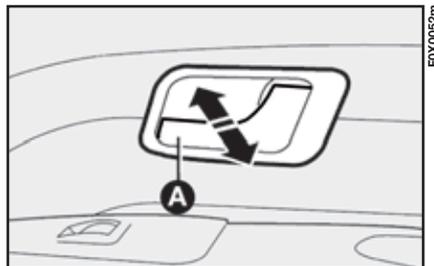


fig. 76

OPENING WINDOWS

Electric fig. 76

(for versions/markets, where provided)

Two switches are located in the driver side door panel moulding. These operate the following windows with ignition key at MAR:

A - left window;

B - right window.

There is a switch in the passenger side door handle which controls the passenger side window.

Press the switches to lower the windows. Lift to raise them.

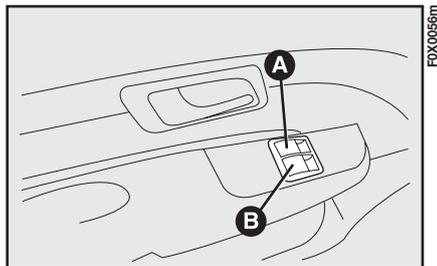


fig. 76



WARNING

Incorrect use of the electric windows may be dangerous. Before and during their operation ensure that passengers are not at risk from the moving glass, either by personal objects caught in the mechanism or struck by it directly. When leaving the car, always remove the ignition key to avoid the risk of injury due to accidental operation of the electric windows.

Manual fig. 77

(for versions/markets, where provided)

Operate the appropriate control handles A to lower/raise the window.

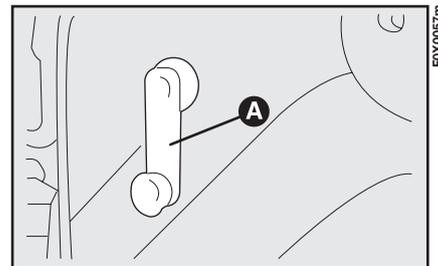


fig. 77

SUN ROOF

Some long cab versions may be equipped with tilting sun roof which can also be completely removed according to ventilation requirements inside the cab.

Tilting function

Turn the ring nut in fig. 78 in the direction indicated, so that the sun roof can be opened to the desired position.

When the device is opened as far as possible, the ring nut will be vertical.

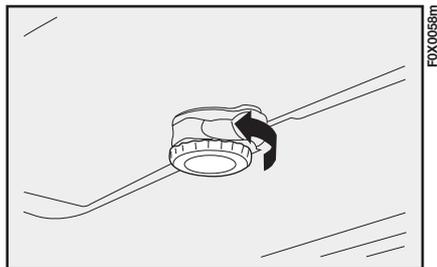


fig. 78

Removing glass from sun roof

The following steps describe the sun roof glass removal procedure. This operation must be carried out with extreme caution, so that the glass does not fall and result in damage:

- move the sun roof to the maximum opening position;
- release the red stop fig. 79, applying light pressure as indicated (this operation must be carried out using the end of the screwdriver in the tool bag, located under the passenger seat);
- from the luggage compartment, remove the glass from the sun roof and detach it from its front housing, pulling it backwards;
- insert the sun roof glass, using the tilting ring nut located near the luggage compartment in the space between the rear window and the protective mesh; then slide it between the two guides provided, as illustrated in fig. 80;
- lock the sun roof glass to the protective mesh with the rubber strap A provided;

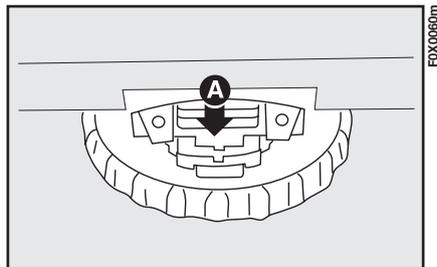


fig. 79

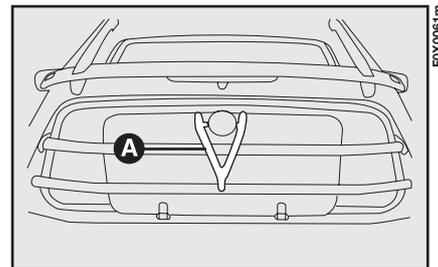


fig. 80



WARNING

The glass of the sun roof may be damaged if not fixed correctly to the protective mesh with the dedicated strap.

To refit the sun roof glass, carry out the removal procedure in reverse, making sure that it is correctly inserted into both the front housing and the stop fig. 79. Apply light pressure to the back of the glass, until it clicks into place; then rotate the ring nut fig. 78 twice (in the opposite direction to that for opening).



WARNING

Before setting off, check that the sun roof glass is locked correctly, also by pressing lightly on the internal part.

LOAD COMPARTMENT

To open the rear flap:

- insert the key in the lock A-fig. 81 and turn it anticlockwise;
- press the Fiat logo at point B while pulling part C of the logo, then guide the flap down with one hand.

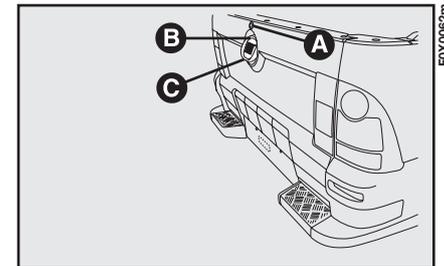


fig. 81



WARNING

While lowering the flap, do not put your hands in the mechanism: risk of pinching and/or injury.

To get the most out of the load compartment, the flap can be removed (the assistance of another adult is advised); proceed as follows:

- remove the retaining devices A-fig. 82 (one per side) for the side rods;

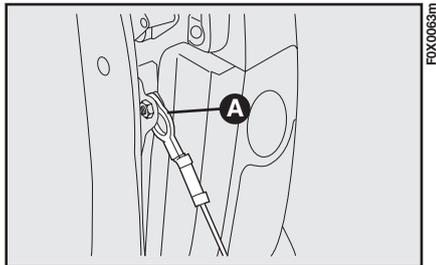


fig. 82

- position the flap at 45°;
- remove the flap, pulling in the direction of the arrow fig. 83.



WARNING

Pay attention to your hands, both when removing the flap and when refitting. Risk of pinching and/or injury.

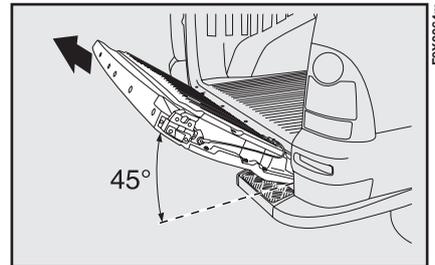


fig. 83



WARNING

Before setting off, make sure:

- that the side safety rods are refitted correctly
- that the flap is inserted correctly in its housing;
- that you test the flap by opening and closing (also with the key).



WARNING

If the flap is fitted incorrectly, it is a danger both to you and to others.



WARNING

Comply with the current legislation regarding the transport of loads. NEVER use the load compartment for people transport.

IMPORTANT

- 1) The flap can bear stable loads (vehicle stationary) of up to 300 kg; using it to support greater loads damages the hinges.
- 2) The load must be secured firmly using cords and the appropriate rings, to prevent it from sliding lengthways, moving from side to side or bouncing (see paragraph “Loading advice” in the “Correct use of the vehicle” section).
- 3) When transporting a heavy load at night, you are advised to check and adjust the beam of the dipped headlights as appropriate.



WARNING

If you wish to carry a reserve of fuel in a can, observe the legal restrictions and only use a can that is type-approved and properly secured to the load anchorage eyebolts. However, the risk of fire in the event of a collision is still increased.



Do not open the flap completely when a tow hook is fitted; it may be damaged.

LOAD COMPARTMENT COVER CANVAS

Some versions come with a canvas to protect objects which are transported in the load compartment.

To wind it up:

- turn the mechanical stop A-fig. 84 in the direction of the arrow, releasing locking device B;
- open the closing devices A-fig. 85 then loosen the straps B;
- release the straps from the anchoring devices (3 per side) built into the body;

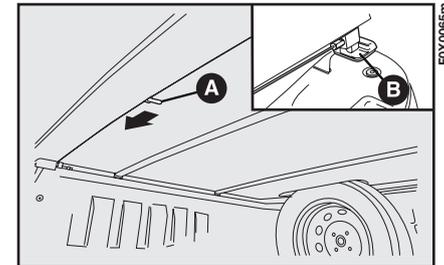


fig. 84

- wind up the canvas in the direction of the cab;
- lock the wound up canvas against the cab using the elastic bands provided A-fig 86;

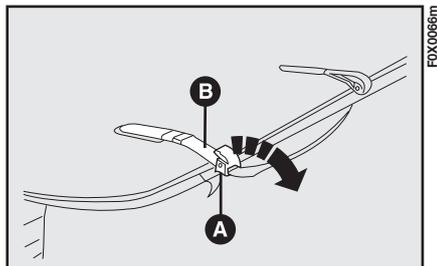


fig. 85

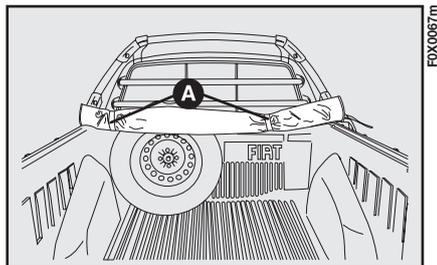


fig. 86

- loosen the screws of the positioning blocks A-fig. 87 (2 per side) then slide the two crosspieces B along the grooves in the body to the desired position;
- retighten the screws of the blocks A.

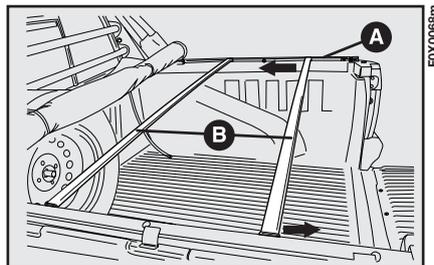


fig. 87

BONNET

To open the bonnet:

- 1) Pull lever A-fig. 88.



WARNING

Perform this operation only when the vehicle is stationary.



WARNING

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

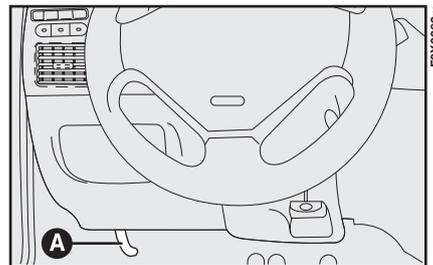


fig. 88

- 2) Use lever A-fig. 89 to raise the bonnet, holding it centrally and releasing the bonnet stay A-fig. 90 from its locking device at the same time.
- 3) Insert the end of the stay in bonnet housing B.

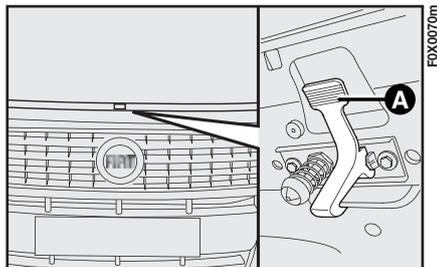


fig. 89

 **WARNING**
Warning. The bonnet may drop suddenly if the bonnet stay is not positioned correctly.

 **WARNING**
Be careful when working inside the engine compartment with the engine hot to avoid burning yourself. Do not place your hands near the fan, as it may be activated even when the key is not in the ignition. Wait for the engine to cool.

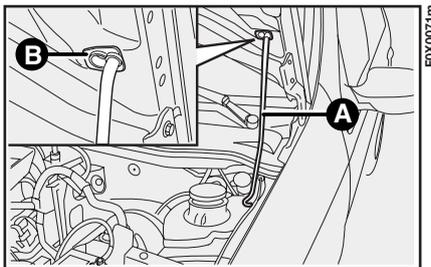


fig. 90

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

To close the bonnet:

- 1) Hold the bonnet up with one hand and with the other remove stay A-fig. 90 from housing B and fit it back into its locking device.
- 2) Lower the bonnet to approximately 20 centimetres from the engine compartment.
- 3) Let it drop: the bonnet closes automatically.



WARNING

Always check that the bonnet is closed correctly, to prevent it from opening while the vehicle is in motion.

REAR WINDOW

The rear window (for versions/markets, where provided) slides when stop A-fig. 91 is released.

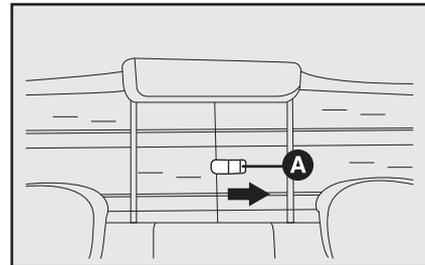


fig. 91

PROTECTIVE GRILLE

A grille is fixed to the body to protect the rear window and can hold a ladder fig. 92. Use the ladder holder to support the tallest objects transported and to secure them correctly. In versions with extended, crew or Adventure cab, lift the load limiter fig. 93-94.

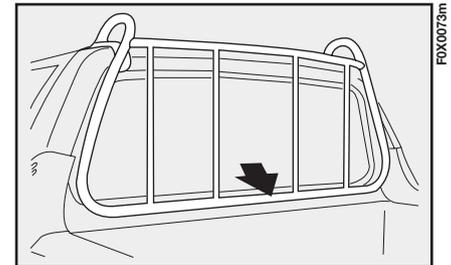


fig. 92

Where provided, side handles A-fig. 95 in the load compartment facilitate climbing (to arrange the load for example).



WARNING

Pay great attention to your hands both when lifting and when closing the side limiters: risk of pinching and/or injury.



WARNING

Do not climb on the plastic mouldings in the load compartment, especially in the area near the fuel filler flap.



WARNING

Do not apply a lateral pressure greater than 30 kg to the external load limiters.



WARNING

Do not tie objects to the side handles.



WARNING

Do not climb on the crosspieces of the protective grille; they are designed to support a maximum load of 50 kg.

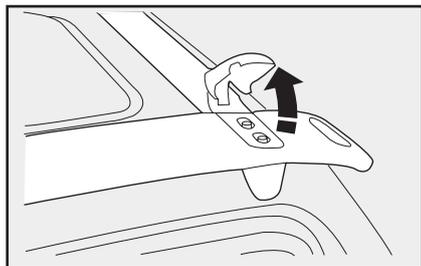


fig. 93

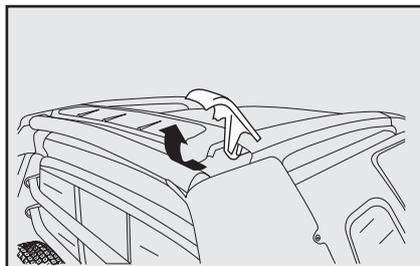


fig. 94

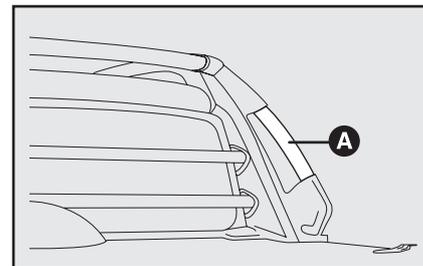


fig. 95

REAR AND SIDE FOOTBOARDS

(for versions/markets, where provided)

To facilitate access to the load compartment, the vehicle features two rear footboards fig. 96.

To facilitate access to the passenger compartment, the Adventure version features side footboards.

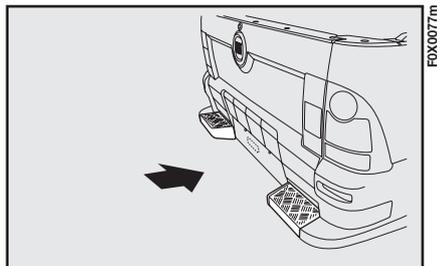


fig. 96

HEADLIGHTS

LIGHT BEAM DIRECTION

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

HEADLIGHT ALIGNMENT CORRECTOR

This device operates with the ignition key at MAR and the dipped headlights on. The vehicle tilts backwards when it is laden, raising the beam. The beams must therefore be realigned in this case.

Headlight alignment adjustment fig. 97

To adjust, depending on the version, use the dedicated buttons on the control panel to the left of the steering wheel fig. 97.

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

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

Position 1 (for versions/markets, where provided) - four people.

Position 2 (for versions/markets, where provided) - four people + load in the rear compartment.

Position 3 (for versions/markets, where provided) - driver + maximum permitted load, all stowed in the rear load compartment.

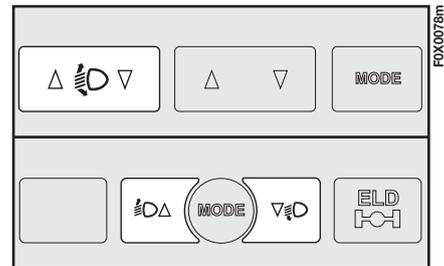


fig. 97



WARNING

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

ABS SYSTEM

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

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

IMPORTANT For maximum efficiency of the braking system, a bedding-in period of about 500 km is required: during this period it is better to avoid sharp, repeated and prolonged braking.

SYSTEM INTERVENTION

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



WARNING

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



WARNING

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



WARNING

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

FAULT INDICATIONS

ABS failure

This is indicated by the  warning light switching on in the instrument panel (together with a message on the display on some versions) (see “Warning lights and messages” section).

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

EBD failure

This is indicated by the  and  warning lights switching on in the instrument panel (together with a message on the display on some versions) (see “Warning lights and messages” section).

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

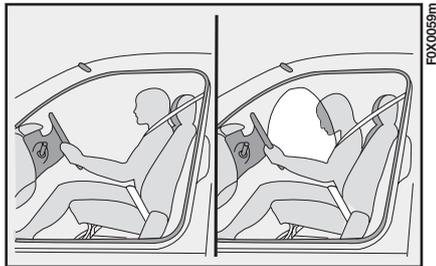


WARNING

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

AIRBAGS

The vehicle is fitted with front airbag for the driver and, for versions/markets where provided, front airbag for the passenger.



FRONT AIRBAGS

The front (driver and passenger) airbags protect the front seat occupants in the event of head-on crashes of medium-high severity, by placing the cushion between the occupant and the steering wheel or instrument panel.

Therefore, non-activation in other types of collisions (side collisions, rear shunts, rollovers, etc.) does not indicate a system malfunction.

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

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

Front (driver and passenger) airbags are not a replacement of but complementary to the use of seat belts, which should always be worn, as specified by law in Europe and most non-European countries.

In the event of an impact, someone not wearing a seat belt could move forward and come into contact with a bag which is still in the opening phase. The protection offered by the cushion is reduced in such a case.

Front air bags may not activate in the following situations:

- frontal impacts against highly deformable objects not involving the front surface of the vehicle (e.g. wing collision against guard rail, etc.);
- vehicle wedging under other vehicles or protective barriers (e.g. trucks or guard rails);

they may not provide any additional protection compared with seat belts, so their activation would not be appropriate.

In these cases, non-deployment does not indicate a system malfunction.



WARNING

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

The driver side and passenger side front airbags have been designed and calibrated to protect front seat occupants wearing seat belts.

Their volume at maximum inflation fills most of the space between the steering wheel and the driver and between the dashboard and the passenger. The airbags are not deployed in the event of minor front collisions (for which the restraining action of the seat belts is sufficient). Seat belts must always be worn. In the event of frontal impact they guarantee correct positioning of the passenger.

DRIVER SIDE FRONT AIRBAG fig. 98

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

PASSENGER SIDE FRONT AIRBAG fig. 99

(for versions/markets, where provided)

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

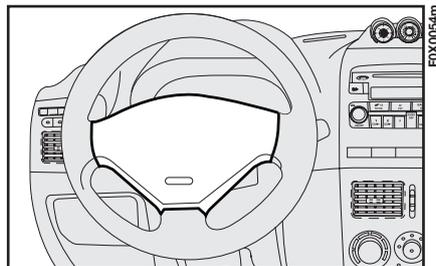


fig. 98

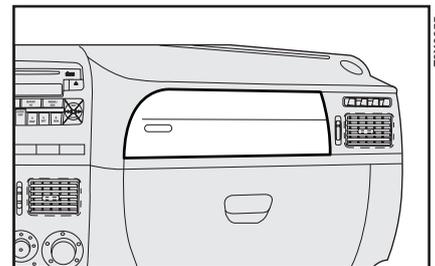


fig. 99



WARNING

SEVERE DANGER:

Do not put cradle seats facing backwards on the front seat if the passenger side airbag has been activated. Deployment of the airbag in an accident could cause fatal injuries to the child. Should it be necessary to place a child seat on the front seat, always deactivate the passenger side airbag. The passenger seat must also be slid back as far as possible in order, to prevent the child seat from coming into contact with the dashboard. Although this is not mandatory by law, the airbag should be immediately reactivated when children are no longer carried to ensure better protection for adults.

MANUALLY DEACTIVATING THE PASSENGER SIDE FRONT AIR BAG

(for versions/markets, where provided)

Should it be absolutely necessary to carry a child on the front seat, the passenger side front airbag can be deactivated.

With the ignition at STOP, the airbags can be deactivated/reactivated using the ignition key in the special key-operated switch that can be accessed with the passenger side door open.

The key can be inserted and removed in both positions.

IMPORTANT Only operate the switch with the engine off and the ignition key removed.

The key-operated switch has two positions fig. 100:

- passenger front airbag activated (ON position  on instrument panel off; carrying children on the front seat is strictly prohibited.
- passenger front airbag deactivated (OFF position  on instrument panel on; children, protected with appropriate restraint systems, may be carried on the front seat.

The  warning light on the instrument panel remains on constantly until the passenger airbag is reactivated.

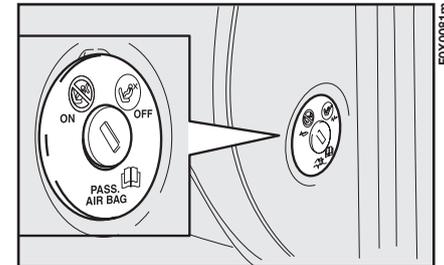


fig. 100

GENERAL WARNINGS

The front airbags may be deployed if the vehicle is subject to heavy knocks or accidents involving the underbody area, such as for example violent impacts against steps, kerbs or low obstacles, vehicle falling into big pot holes or depressions in the road. A small amount of dust will be released when the airbags are deployed. This dust is not harmful and does not indicate the beginning of a fire. Furthermore, the surface of the deployed bag and the interior of the vehicle may be covered with a dusty residue: this may irritate your skin and eyes. Wash with mild soap and water in the event of exposure. Should an accident occur in which any of the safety devices are activated, contact a Fiat Dealership to have the activated devices replaced and to have the whole system checked.

Every control, repair and replacement operation concerning the airbags must only be carried out at a Fiat Dealership. If you are having the vehicle scrapped, have the airbag system deactivated at a Fiat Dealership first. If the vehicle changes ownership, the new owner must be informed of the method of using air bags and the above warnings and also be given this "Owner Handbook". Pretensioners and/or front airbags are deployed differently on the basis of the type of collision. Non-deployment of one or more of the devices does not therefore indicate a system malfunction.



WARNING

If the warning light stays on when driving (together with a message on the display on some versions), there could be a failure in the restraint systems. If this is the case, the airbags or pretensioners may not trigger in the event of an accident or, in a lesser number of cases, they may be activated incorrectly. Before proceeding, contact a Fiat Dealership immediately to have the system checked.



WARNING

The expiry date of the explosive charge is shown on a specific label contained in the glove box; contact a Fiat Dealership to have it replaced when this expiry date approaches.



WARNING

In the event of “yellow”  warning light failure, the “red”  warning light switches on and, for versions/markets where provided, the explosive charge of the passenger airbag is deactivated.



WARNING

If the key is inserted and turned to MAR when no faults are indicated by the warning lights, airbags may be deployed if another vehicle crashes into the vehicle even if the engine is not running and the vehicle is stationary. For this reason, children must never sit on the front seat, even if the vehicle is stationary. On the other hand, if the key is inserted in STOP position, none of the safety devices (airbags or pretensioners) will be deployed in the event of impact. Non-deployment of these devices does not indicate a system malfunction.



WARNING

For versions/markets where provided, when the ignition key is turned to MAR, the “yellow”  warning light switches on for a few seconds. If the passenger airbag is active, the “yellow” warning light switches off after a few seconds. If the passenger airbag is NOT active, the “yellow” warning light stays on.



WARNING

If the “red”  warning light does not switch on for a few seconds when the key is turned to MAR, there may be a fault with the “red” warning light. In this case, the “yellow” warning light starts to flash after a few seconds and, for versions/markets where provided, the explosive charge of the passenger airbag is deactivated.

**WARNING**

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

**WARNING**

Always drive keeping your hands on the rim of the steering wheel so that the airbag can inflate freely if necessary. Do not drive with your body bent forward. Keep the back of your seat upright and lean back into it.

**WARNING**

When the ignition key is turned to MAR, the  warning light (with passenger side front airbag deactivation switch at ON) switches on and flashes for a few seconds to remind you that the passenger air bag will be deployed in a crash, after which it should switch off.

**WARNING**

If your vehicle has been subject to theft, attempted theft, vandalism, or flooding, have the airbag system inspected at a Fiat Dealership.

**WARNING**

The front airbag is designed to be deployed for impacts of a greater intensity than for the pretensioners. For impacts whose intensity falls between the two thresholds, it is normal that only the pretensioners are activated.

**WARNING**

The airbag does not replace seat belts but increases their efficiency. Because front airbags are not deployed for low-speed crashes, side collisions, rear-end shunts or rollovers, occupants are protected only by their seat belts, which must always be fastened.

E-LOCKER SYSTEM

ELD - ELECTRONIC LOCKING DIFFERENTIAL

(for versions/markets, where provided)

Some versions may feature the E-Locker system, used in conditions where the vehicle may slip.

This system can lock the front differential, supplying both front wheels with the same rotational speed; in doing so, the wheel with the greatest grip will be the one which can propel the vehicle.



WARNING

You are advised to use the E-Locker System only when a wheel loses grip resulting in conditions of low friction (e.g. on roads with mud, sand, stones, wet grass etc.).



WARNING

The E-Locker system must be activated with vehicle stationary. The expert driver must be capable of assessing the conditions of the terrain before activation.



WARNING

The E-Locker System must not be considered as a kind of “four-wheel drive”: the system must not be used on normal surfaces (dry asphalt etc.). In any case, the system deactivates automatically as soon as the vehicle speed exceeds 20 km/h.

To operate the E-Locker System:

- press the brake pedal (vehicle stationary);
- press the ELD button-fig. 101 located on the dashboard to the left of the steering wheel; the system emits a long beep, the ELD warning light on the instrument panel starts to blink and the display shows a dedicated message (ELD ON for 5 seconds);
- release the clutch slowly, accelerating gradually; having overcome the difficulty, deactivate the system.

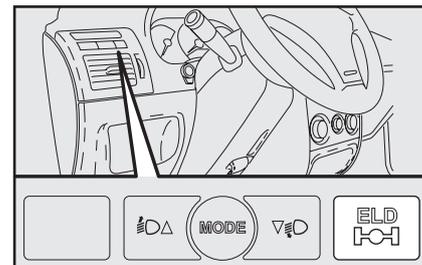


fig. 101

The system features manual and automatic deactivation.

Manual deactivation

Press the ELD button again.

Automatic deactivation

This occurs when the speed of the vehicle exceeds 20 km/h.

When the vehicle approaches this speed (about 15 km/h):

- the system emits a sequence of 3 beeps
- the ELD warning light on the instrument panel flashes more quickly.

When it is deactivated (manual or automatic):

- the system emits a short beep
- The ELD warning light switches off in the instrument panel
- the display shows a dedicated message (ELD OFF for 5 seconds).

In the event of failure

- the ELD warning light on the instrument panel switches on constantly and the display shows a dedicated message.

IMPORTANT If a user attempts to activate the E-Locker System with vehicle in motion and/or without the brake pedal pressed, the command is rejected and the system is not activated; the ELD warning light on the instrument panel switches on for a few seconds at the same time.



WARNING

The E-Locker System should not encourage the driver to head towards and travel through unknown places and/or regions, confident of tackling any obstacle. The driver is always responsible of controlling and driving the vehicle in all circumstances.



WARNING

SEVERE DANGER:

If emergency conditions require that a front wheel is lifted: make sure that the E-Locker system is deactivated before any operation is carried out.

CAR RADIO

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

SYSTEM SET-UPS

According to the version, the Fiat Strada may be equipped with different car radio system set-ups.

The car radio purchased by the user must be installed in the central compartment provided:

- pressing on the retaining tabs A-fig. 102 remove the cover to locate the dedicated connections.

Basic level system fig. 103:

- A – wiring for aerial;
- B – wiring to connect speakers and tweeters;
- C – car radio power supply;
 - speaker housings on doors
 - rear side speaker housings (crew cab version).

High level system fig. 103:

- A – aerial and aerial wiring;
- B – wiring to connect front and rear speakers;
- C – car radio power supply.
 - speakers, front and rear (some versions only).

Speakers

- 2 coaxial front speakers with power of 20 W;
- 2 coaxial rear speakers with power of 20 W;
- 1 amplified subwoofer (for versions/markets, where provided).

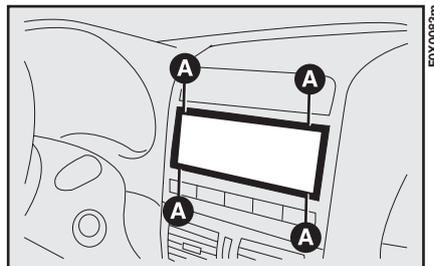


fig. 102

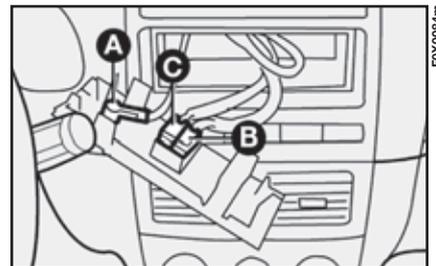


fig. 103



For connection to the set-up supplied in the vehicle, contact a Fiat

Dealership to prevent any problem that could impair vehicle safety and/or invalidate the warranty.

INSTALLING ELECTRICAL/ELECTRONIC DEVICES

The electrical/electronic devices installed subsequent to the purchase of the car and included in the after-sales service must be marked:



Fiat Auto F.G.A. authorises the installation of transceiver devices on condition that such installations are carried out in a workmanlike fashion, following the manufacturer's instructions, at a specialised centre.

IMPORTANT Traffic control authorities may not allow the vehicle on the road if devices resulting in modifications of vehicle characteristics are installed and defects due to the above mentioned modification or either directly or indirectly related to it may invalidate the warranty. Fiat Auto F.G.A. shall not be liable for damage caused by the installation of accessories either not supplied or recommended by Fiat Auto F.G.A. and/or not installed in compliance with the instructions provided.

RADIO TRANSMITTERS AND MOBILE PHONES

Radio transmitters (car phones, CB radios etc.) cannot be used inside the vehicle unless a separate aerial is mounted externally.

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

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

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

REFUELLING



Never introduce even a minimal quantity of petrol to the tank, even in an emergency; the catalytic converter would be damaged, irreparably compromising its operation.



An inefficient catalytic converter leads to harmful exhaust emissions, thus contributing to environmental pollution.



The vehicle must be refuelled exclusively with diesel for motor vehicles in compliance with European specification EN590. The use of other products or mixtures may damage the engine beyond repair and consequently invalidate the warranty, due to the damage caused. If you accidentally refuel with another type of fuel, do not start the engine, and drain the tank. If the engine has run, even for a very short time, with other fuels, the whole fuel circuit must be drained in addition to the tank.

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

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

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

In this case, it is also advisable to keep the tank over 50% full.

REFUELLING CAPACITY

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

FUEL TANK CAP

The sealing may cause a slight pressure increase in the tank.

A suction noise when you release the cap is therefore entirely normal. The cap features a strap A-fig. 104 which secures it to the flap so that it cannot be mislaid.



WARNING

Do not bring naked flames or lit cigarettes near to the fuel tank opening: fire risk. Also, keep your face away from the filler to avoid inhaling harmful fumes.

IMPORTANT If necessary, only replace the fuel cap with another original part, or the operation of the petrol vapour recovery system may be compromised.

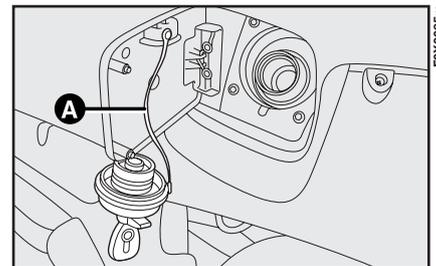


fig. 104

PROTECTING THE ENVIRONMENT

Environmental protection has governed every stage in the design and production of the Fiat Strada.

This has resulted in the use of materials and the calibration of devices which reduce or drastically limit negative environmental impact. The following devices are used for reducing diesel engine emissions:

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

DIESEL PARTICULATE FILTER (DPF)

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

The diesel particulate filter has been adopted to eliminate almost all particulates in compliance with current/future legal regulations. During normal use of the vehicle, the engine management control unit records a set of data (travel time, type of route, temperatures, etc.) and it will then calculate how much particulate has been trapped by the filter.

Since this filter physically traps particulate, it should be regenerated (cleaned) at regular intervals by burning carbon particles. The regeneration procedure is managed automatically by the engine management control unit according to the filter conditions and vehicle use conditions.

During regeneration, the following may occur: a limited increase in the engine speed, activation of the fan, a limited increase in fumes and high temperatures at the exhaust. These are not faults; they do not impair vehicle performance or damage the environment. If the dedicated message is displayed, refer to Warning lights and messages in this section.

CORRECT USE OF THE VEHICLE

STARTING THE ENGINE

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



It is advisable not to demand maximum performance from your vehicle (e.g. excessive acceleration, long distances at high speeds, excessively intense braking, etc.) during the initial period of use.



When the engine is off, do not leave the key turned to MAR to prevent unnecessary electrical consumption from draining the battery.



WARNING

It is dangerous to run the engine in enclosed areas. The engine consumes oxygen and engine exhaust contains carbon dioxide, carbon monoxide and other toxic gasses.



WARNING

The brake servo and power steering are not operational until the engine has been started, so you need to apply much more force than usual to the brake pedal and steering wheel.

STARTING PROCEDURE

- 1) Make sure that the handbrake is engaged.
- 2) Put the gear lever in neutral.
- 3) Turn the ignition key to MAR. The  and  warning lights switch on in the instrument panel
- 4) Wait for the warning lights to switch off. The hotter the engine is, the quicker this will happen.
- 5) Fully depress the clutch pedal.
- 6) Turn the ignition key to AVV, within the first few moments after the warning lights switch off. Waiting too long will waste the heating work carried out by the plugs. Release the key as soon as the engine starts.

IMPORTANT With the engine cold, the accelerator pedal must be completely released while you turn the ignition key to AVV.



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

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

If you still cannot start the engine, contact a Fiat Dealership.

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

HOW TO WARM THE ENGINE WHICH HAS JUST STARTED

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

EMERGENCY STARTING



Never bump start the engine by pushing, towing or driving downhill. This could cause fuel to flow into the catalytic converter and damage it beyond repair.



WARNING

Remember that the brake servo and power steering are not operational until the engine has been started, so you need to apply much more force than usual to the brake pedal and steering wheel.

TO STOP THE ENGINE

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



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

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.

PARKING

Stop the engine, engage the handbrake, engage 1st gear uphill or reverse downhill and leave the wheels steered towards the edge of the road or the pavement. If the vehicle is parked on a steep slope, it is advisable to block the wheels with a wedge or stone.

Do not leave the ignition key at MAR because this drains the battery.

Always extract the key when getting out of the vehicle.



WARNING

Never leave children alone in the unattended vehicle.

HANDBRAKE fig. 105

The handbrake lever is located between the front seats.

Pull the lever upwards to engage the handbrake and ensure that the vehicle does not move.



WARNING

The vehicle must be secured after several clicks of the lever. If this is not the case, contact a Fiat Dealership to have it adjusted.

When the handbrake is on and the ignition key is at MAR, the (ⓘ) warning light on the instrument panel switches on.

To release the handbrake:

- 1) Slightly lift the handbrake and press release button A.
- 2) Hold down the button and lower the lever. The (ⓘ) warning light switches off.

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

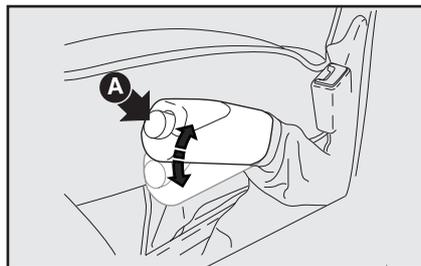


fig. 105

SNOW TYRES

Fiat Dealerships will be happy to provide advice concerning the most suitable type of tyres for the Customer's requirements.

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

The winter features of these tyres are reduced considerably when the tread depth is less than 4 mm. They should be replaced in this case.

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

IMPORTANT When using snow tyres with a maximum speed rating lower than that of the vehicle (increased by 5%), place a clearly visible warning sign in the passenger compartment warning other drivers of the maximum speed rating of the snow tyres used (as required by EC directive). All four tyres should be the same (brand and track) to ensure greater safety when driving, during braking and better driveability.

Remember that it is inadvisable to change the rotation direction of tyres.



WARNING

You must not exceed 160 km/h on snow tyres with a "Q" mark; in any case, make sure you comply with the regulations of the highway code.

USING THE GEARBOX

To engage gears, fully depress the clutch pedal and put the gear lever into one of the positions in the diagram fig. 106 (the diagram is also shown on the knob).

IMPORTANT Reverse may be engaged only when the vehicle is stationary. With the engine running, wait for at least 2 seconds with the clutch pedal fully pressed before engaging reverse, to prevent damage to the gears and grating.

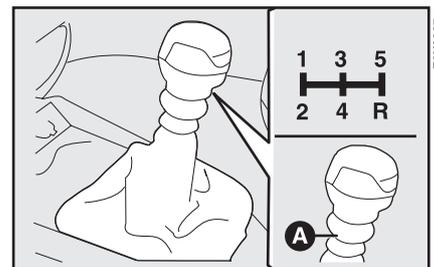


fig. 106

To engage reverse (R), wait for the vehicle to stop and, from neutral, move the lever to the right and then backwards, lifting ring A of the reverse inhibitor device.



WARNING

Fully depress the clutch pedal to change gears correctly. Therefore, the floor area underneath the clutch pedal must not be obstructed in any way. Ensure that the floor mat is always laid flat and does not interfere with use of the pedals.



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

The clutch pedal must be used only for gear changes. Do not drive with your foot resting on the clutch pedal, however lightly.

For versions/markets where provided, the electronic clutch control could intervene, interpreting the incorrect driving style as a fault.

LOADING ADVICE

The vehicle has been designed and type approved on the basis of certain maximum weights (see “Weights” table in the “Technical Specifications” section):

- kerb weight
- payload
- maximum weight on front axle
- maximum weight on rear axle
- towable weight.



WARNING

Each of these limits must be kept firmly in mind and, in any event, never exceeded.



WARNING

Irregular trajectories and abrupt braking may cause sudden movements of the load with consequent situations of hazard for the driver and passengers: before setting off, secure the load tightly using the appropriate hooks on the lower part of the sides fig. 107-108; use steel cables, ropes or chains strong enough to hold the items to be secured.

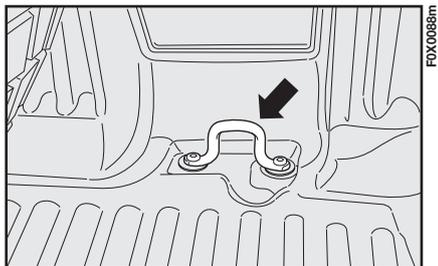


fig. 107



Warning. The additional devices at the top of the sides (3 per side) are used only to fix the cover canvas. They must not, for any reason, be used to fix the load.

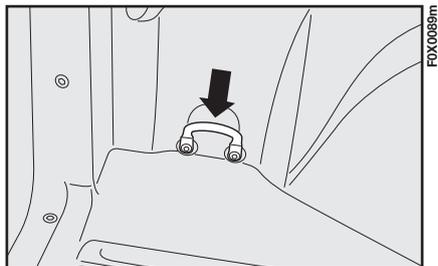


fig. 108

In addition to these general precautions, some simple precautions can improve driving safety, travelling comfort and vehicle life:

- distribute the load evenly on the platform: should it be necessary to concentrate it in a single area, arrange it by the partition between the cab and load compartment;
- remember that the lower the load, the lower the vehicle's centre of gravity, making for a safer drive: therefore always position the heaviest goods lower down;
- lastly, remember that the vehicle's dynamic behaviour is affected by the weight transported: in particular, the stopping distances are longer, especially at high speed.

FUEL SAVING

Here are some useful tips to save fuel and minimise harmful emissions of CO₂ and other pollutants (nitric oxides, unburnt hydrocarbons, particulate matter etc.).

GENERAL CONSIDERATIONS

The general factors that affect fuel consumption are listed below.

Vehicle maintenance

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

Tyres

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

Unnecessary loads

Do not travel with excess load. The weight of the vehicle (especially when driving in town), and its trim greatly affect consumption and stability.

Roof rack/ski rack

Remove the roof rack or the ski rack from the roof after use. These accessories reduce the vehicle’s aerodynamic penetration and have a negative effect on consumption. When transporting particularly large objects, use a trailer if possible.

Electrical devices

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

Climate control

Climate control leads to higher fuel consumption (on average by up to 20%): if the temperature outside permits, try and use the ventilation only.

Devices for aerodynamic control

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

DRIVING STYLE

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

Starting

Do not warm up the engine at low or high revs when the vehicle is stationary; this causes the engine to warm up more slowly, thereby increasing fuel consumption and emissions. It is advisable to move off immediately and slowly, avoiding high speeds: in this way the engine will warm up more quickly.

Unnecessary actions

Avoid accelerating when stopped at traffic lights or before stopping the engine.

This, as well as double declutching, is absolutely unnecessary and increases consumption and pollution.

Gear selection

As soon as the conditions of the traffic and road permit, use a higher gear.

Using a low gear for faster acceleration will increase consumption.

Improper use of a high gear increases consumption, emissions and engine wear.

Maximum speed

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

Acceleration

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

CONDITIONS OF USE

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

Cold starting

Short journeys and frequent cold starts do not allow the engine to reach optimum operating temperature.

This results in a significant increase in consumption levels (by 15–30% in the urban cycle) and emissions.

Traffic and road conditions

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

Stopping in traffic

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

TOWING TRAILERS

IMPORTANT

The vehicle must be equipped with a type-approved tow hook and adequate electrical system to tow trailers.

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

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

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

The weight of the trailer on the vehicle tow hook will reduce the loading capacity of the vehicle by the same amount.

To make sure that the maximum towable weight is not exceeded, the fully laden trailer weight, including accessories and luggage, must be taken into account.

Do not exceed the speed limits specific to each country you are driving in, in the case of vehicles towing trailers. In any case, the top speed must not exceed 80 km/h.



WARNING

The ABS system does not control the braking system of the trailer. Particular caution is therefore required on slippery surfaces.



WARNING

Never modify the braking system of the vehicle to control the trailer brake. The trailer's braking system must be completely independent from the hydraulic system of the vehicle.

SNOW CHAINS

The use of chains is subject to local regulations.

Chains may be applied only to the tyres of the drive wheels (front wheels).

Use “spider” type reduced size snow chains.



Keep your speed down when snow chains are fitted;

do not exceed 50 km/h. Avoid potholes, steps and pavements and avoid driving long distances on roads not covered with snow, to avoid damaging the vehicle and the road surface.

LONG VEHICLE INACTIVITY

If the vehicle needs to be off the road for longer than a month, the following precautions should be taken:

- Park the vehicle indoors in a dry and, if possible, well-ventilated place.
- Engage a gear.
- Check that the handbrake is not engaged.
- Disconnect the negative battery terminal and check the state of charge (see “Battery” in the “Vehicle maintenance” section).
- Clean and protect the painted parts using protective waxes.
- Clean and protect the shiny metal parts using specific commercially available compounds.
- Sprinkle talcum powder on the rubber windscreen wiper blades and lift them off the glass.
- Slightly open the windows.
- Cover the vehicle with a piece of fabric or perforated plastic sheet. Do not use compact plastic tarpaulins, which prevent humidity from evaporating from the surface of the vehicle.
- Inflate tyres to +0.5 bar above the standard prescribed pressure and check it at intervals.
- Do not drain the engine cooling system.

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IN AN EMERGENCY

In an emergency we recommend that you call the freephone number in the **Warranty Booklet**.
You can also go to the www.fiat.com website to find your nearest **Fiat Dealership**.

STARTING THE ENGINE

JUMP STARTING

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.

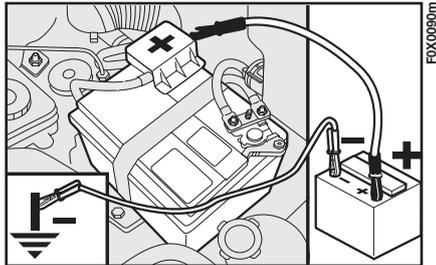


fig. 109

To start the engine, proceed as follows fig. 109:

- connect the positive terminals (+), sign near the terminal, of the two batteries with a jump lead;
- with a second lead, connect the negative terminal (-) of the auxiliary battery to an earthing point ↓ on the engine or the gearbox of the 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 persist but contact a Fiat Dealership.

IMPORTANT Do not directly connect the negative terminals of the two batteries: any sparks may ignite the explosive gas which could come out of the battery. If the auxiliary battery is installed on another vehicle, avoid any metal parts on the latter and the vehicle with the flat battery from accidentally coming into contact.



Never use a quick battery charger to start the engine as this could damage the electronic systems, particularly the ignition and fuel supply control units.



WARNING

This procedure must be performed by expert personnel as incorrect actions may cause high-intensity electrical discharge.

Furthermore, battery fluid is poisonous and corrosive: avoid contact with skin and eyes.

Keep naked flames and lit cigarettes away from the battery. Do not create sparks.

BUMP STARTING

Never bump start the engine by pushing, towing or driving downhill. This could cause fuel to flow into the catalytic converter and damage it beyond repair.

IMPORTANT The brake servo and power steering are not operational until the engine has been started, so you need to apply much more force than usual to the brake pedal and steering wheel.

IF A TYRE IS PUNCTURED

General instructions



To use the jack and space-saver wheel correctly, some precautions are necessary, described below.



WARNING

Incorrect positioning of the jack may cause the raised vehicle to fall. Do not use the jack for loads greater than that indicated on the jack itself. The jack is only to be used for replacing wheels on the vehicle with which it is provided. Never use the jack for other purposes, such as lifting other vehicles. Never use the jack to carry out repairs under the vehicle. Do not grease the threads of bolts before fitting them: they might slip out.



WARNING

Indicate the presence of the stationary vehicle in accordance with current regulations: hazard warning lights, warning triangle etc. Passengers should get out of the vehicle and wait until replacement is concluded, avoiding the risk of traffic. If you are on a slope or uneven surface, place wedges or other suitable objects under the wheels to secure the vehicle.



WARNING

Never start the engine when the vehicle is jacked up. If a trailer is used, detach the trailer before raising the vehicle.



If alloy wheels are purchased to replace the steel wheels, we suggest that you retain 4 original bolts for use only with the spare wheel. There is a risk of damaging the wheel hubs.

CHANGING A WHEEL

Bear in mind that:

- the mass of the jack is 2.9 kg;
- the jack requires no adjustment;
- the jack cannot be repaired. It must be replaced with an original part if damaged;
- no tool other than the cranking device illustrated in this section may be fitted on the jack.

ACCESSING TOOLS, JACK AND SPARE WHEEL

Fiat Strada, Short or Extended Cab

The tool bag can be found behind the driver's seat. The bag may be held with elastic straps or Velcro, depending on the version.

The spare wheel may be housed externally in the load compartment.

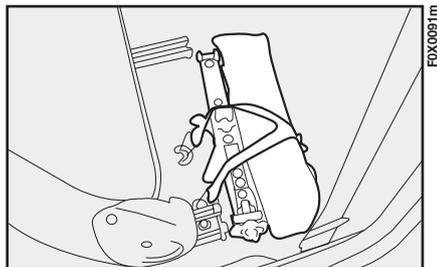


fig. 110

Fiat Strada Adventure Crew Cab

To access the tool bag, pull the central handle and fold over the rear cushion.

The spare wheel is housed externally in the load compartment.

- 1) Remove the jack and its cranking device.
- 2) Take the wheel wrench and, depending on the version, the anti-theft bolt.

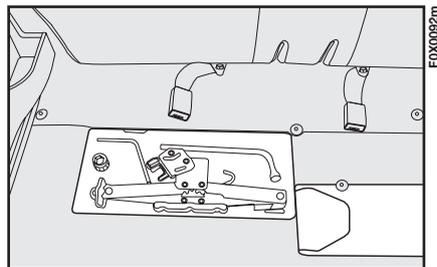


fig. 111

- 3) Remove the spare wheel cover canvas and completely unscrew the ring nut A-fig. 112-113 using, where necessary, the anti-theft nut B-fig. 113.

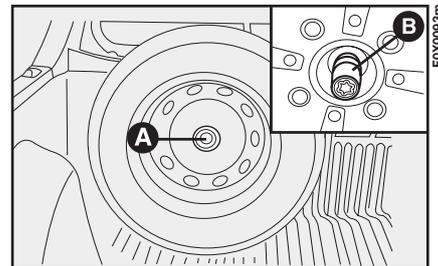


fig. 112

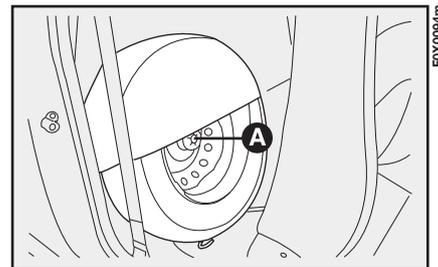


fig. 113

CHANGING THE WHEEL

- 1) Loosen the fixing bolts of the wheel to be replaced by about one turn.
- 2) With alloy wheels, shake the vehicle to detach the rim from the wheel hub more easily.
- 3) Turn the jack's cranking device in order to open it partially.
- 4) Arrange the jack at symbol B-fig. 114 close to the wheel to be replaced and make sure that the groove A of the jack is fitted firmly into side member C.

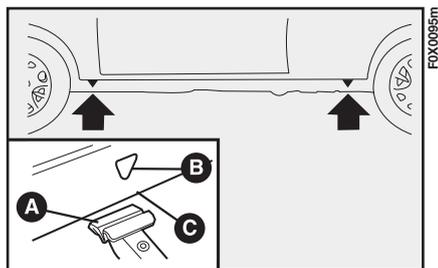


fig. 114

- 5) Warn any bystanders that the vehicle is about to be lifted. They must stay clear and be warned not to touch the vehicle until it is back on the ground.
- 6) Operate the jack's cranking device and lift the vehicle until the wheel is several centimetres off the ground. When turning the cranking device, make sure that it can turn freely without scraping your hand against the ground. The moving components of the jack (screw and joints) can also cause injuries: do not touch them. If you come into contact with lubricating grease, clean yourself thoroughly.

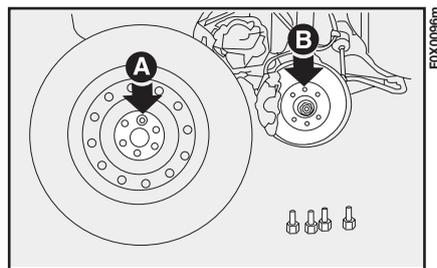


fig. 115

- 7) Completely unscrew the 4 bolts and remove the hub cap (where provided) and the wheel to be replaced.
- 8) Make sure that the spare wheel contact surfaces are clean and that impurities are not present so that the fixing bolts will not come loose. Fit the spare wheel, aligning the holes A-fig. 115 with the pins B as appropriate.
- 9) Tighten one of the bolts A-fig. 116 near inflation valve B.

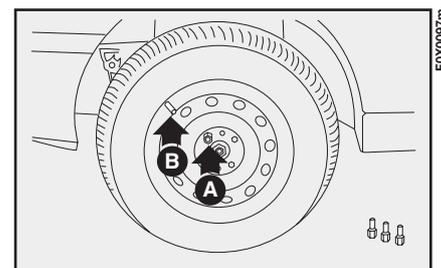


fig. 116

- 10) Fit the hub cap (where provided) so that the largest hole A-fig. 117 is aligned with the bolt which is already fixing the wheel.
- 11) Insert the remaining 3 bolts.
- 12) Tighten the bolts, using the wrench provided.
- 13) Turn the jack's cranking device to lower the vehicle and remove the jack.

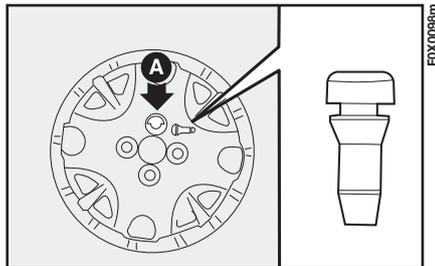


fig. 117

- 14) Fully tighten the bolts, passing alternately from one bolt to the opposite one, following the order illustrated in fig. 118.
- 15) Unscrew the jack completely and separate it from the operating lever.
- 16) Place the cranking device back in its housing.
- 17) Place the punctured wheel in the spare wheel compartment and fix it using the ring nut.

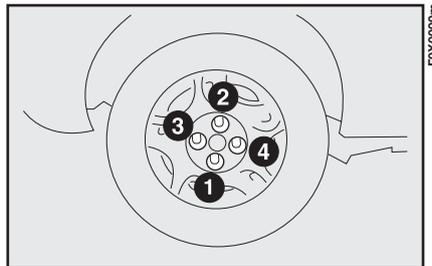


fig. 118

- 18) Position jack and tools in their housings, fixing with the appropriate retaining devices.

IMPORTANT As soon as possible: have the punctured wheel repaired and refit it on the vehicle, thereby avoiding driving on the spare wheel.

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

IF YOU NEED TO REPLACE A BULB



WARNING

Modifications or repairs to the electrical system that are not carried out correctly or do not take the system's technical specifications into account can cause malfunctions leading to the risk of fire.



Halogen bulbs must be handled by holding the metal part only. If the transparent bulb is touched with the fingers, its lighting intensity is reduced and life of the bulb may be compromised. In the event of accidental contact, wipe the bulb with a cloth moistened with alcohol and let the bulb dry.



WARNING

Halogen bulbs contain pressurised gas. Glass shards may be projected if a bulb breaks.



Where possible, it is advisable to have bulbs changed at a Fiat Dealership. The correct operation and direction of the exterior lights are absolutely essential for the driving in safety and compliance with law.

GENERAL INSTRUCTIONS

- When a light is not working, check that the corresponding fuse is intact before replacing the bulb.
- For the location of fuses, refer to the paragraph “If you blow a fuse” in this section.
- Before changing a burnt bulb, check the contacts for oxidation.

- Burnt bulbs must be replaced by others of the same type and power.
- Always check the direction of the beam after changing a headlight bulb, for reasons of safety.

TYPES OF BULBS

Various types of bulbs are fitted on your vehicle fig. 119:

A. All-glass bulbs

These are press-fitted. Pull to remove them.

B. Bayonet bulbs

To remove this type of bulb from the holder, press the bulb and turn it anticlockwise.

C. Cylindrical bulbs

Release from the contacts to remove.

D-E. Halogen bulbs

Detach the locking spring from its housing to remove the bulb.

FOX100m

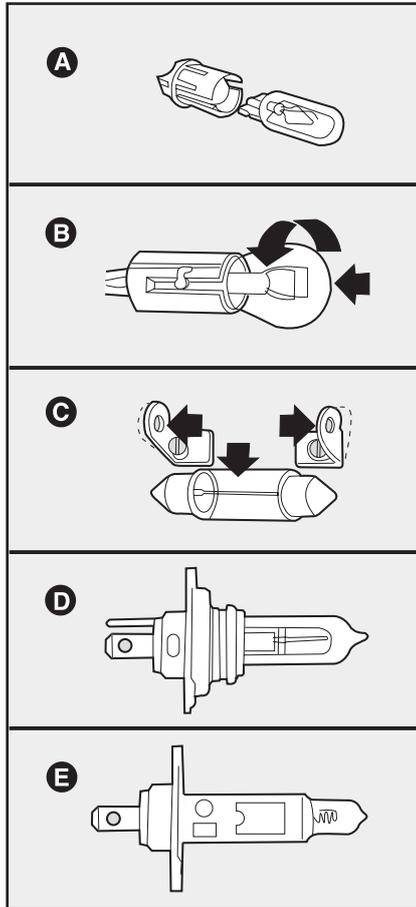


fig. 119

Bulbs	fig. 119	Type	Power
Main beam: Headlights with single lens	D	H4	60W
Main beam: Polyelliptical headlights	E	H1	55W
Dipped: Headlights with single lens	D	H4	55W
Main beam: Polyelliptical headlights	E	H1	55W
Front side lights	A	W5W	5W
Front indicators	B	PY21W	21W
Rear indicators	B	PY21W	21W
Fog lights	E	H1	55W
Rear fog lights	B	P21/5W	21W
Rear side / brake lights	B	P21/5W	5W/21W
Reverse	B	P21W	21W
Number plate	A	C5W	5W
Front roof light: with tilting lens	C	C10W	10W
Front roof light: with spot light	C	C10W-W5W	C10W-5W
Rear roof light (for versions/ markets, where provided)	C	C10W	10W
Glove compartment	C	C5W	5W
Driving lights	E	H1	55W

IF AN EXTERIOR LIGHT STOPS WORKING

MAIN BEAM AND DIPPED HEADLIGHTS

To replace the halogen bulbs of main beam or dipped headlights, proceed as follows:

Single-lens headlights

- disconnect connector A-fig. 120;
- remove rubber gaiter B-fig. 121;
- release fixing spring C-fig. 122 then remove bulb D;

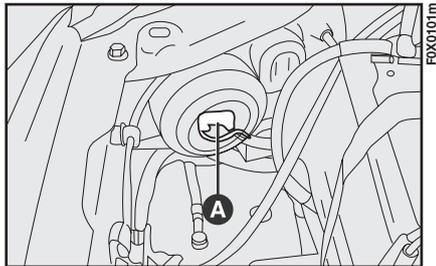


fig. 120

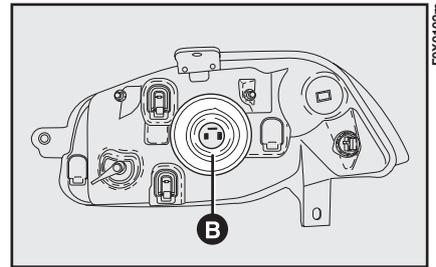


fig. 121

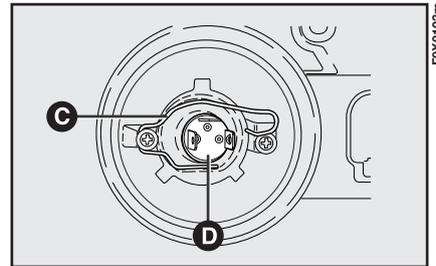


fig. 122

Polyelliptical headlights

- remove cover A-fig. 123 to replace the dipped beam bulb or B to replace the main beam bulb;

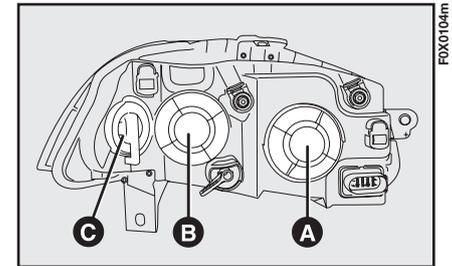


fig. 123

- disconnect connector B-fig. 124;
- release fixing spring A then remove the bulb;
- insert the new bulb in the dedicated housing, reattach the fixing spring, reconnect the connector and close the cover.

FRONT DIRECTION INDICATORS

To change the bulbs of the direction indicators, proceed as follows:

Single-lens headlights

- remove the bulb holder assembly A-fig. 125, turning it anticlockwise;
- remove the bulb, pushing it gently and turning it anticlockwise;
- insert the new bulb, pushing it gently and turning it clockwise, then refit the bulb holder assembly.

Polyelliptical headlights

- remove cover C-fig. 123, turning it clockwise;
- remove bulb A-fig. 126 pushing it gently and turning it clockwise;
- insert the new bulb, pushing it gently and turning it anticlockwise, then refit the bulb holder assembly.

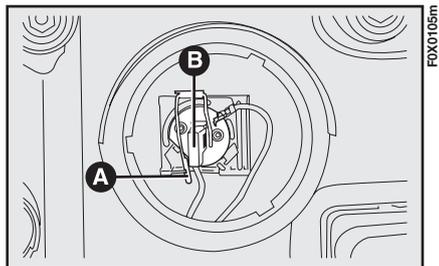


fig. 124

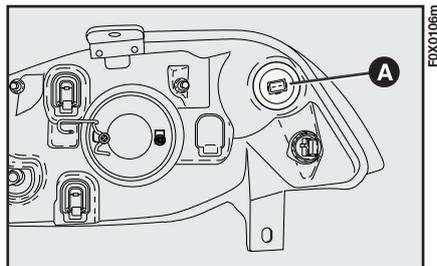


fig. 125

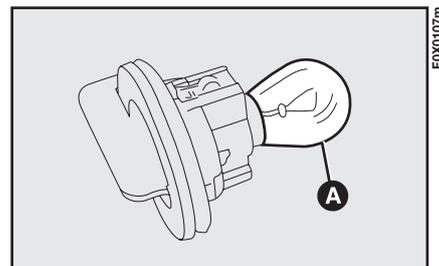


fig. 126

FRONT SIDE LIGHTS

To change the bulbs of the side lights, proceed as follows:

Single-lens headlights

- remove the bulb holder assembly A-fig. 127, turning it anticlockwise;
- remove the bulb from the bulb holder;
- insert the new bulb then refit the bulb holder assembly.

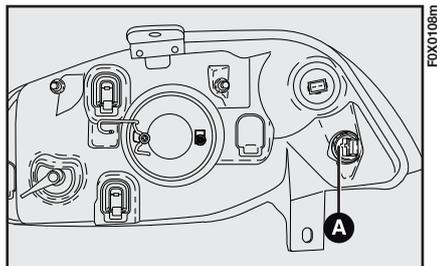


fig. 127

Polyelliptical headlights

- remove cover B-fig. 123, turning it anticlockwise;
- remove bulb holder assembly A-fig. 128;
- remove the bulb from the bulb holder;
- insert the new bulb, reinsert the bulb holder assembly then close the cover, rotating it clockwise.

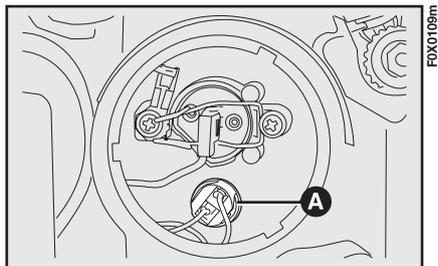


fig. 128

FRONT FOG LIGHTS

To replace the front fog light bulbs, contact a Fiat Dealership.

SIDE INDICATORS

These are located in the door mirrors fig. 129 and are LED type.

In the event of a failure, contact a Fiat Dealership.

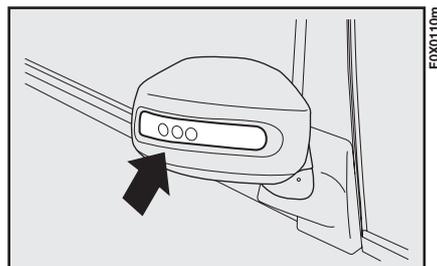


fig. 129

DRIVING LIGHTS (Adventure version)

To replace the bulbs of the driving lights, proceed as follows:

- steer the wheels inwards so that you have a greater space in which to work;
- remove cover A-fig. 131 from the wheel arch, unscrewing the 4 screws indicated by the arrows;
- rotate cover B-fig. 132 anticlockwise;
- remove the connector, release spring C-fig. 133 then remove the bulb;

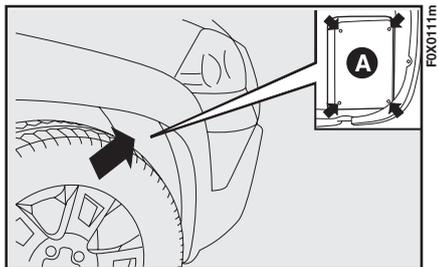


fig. 131

- insert the new bulb, reattach the spring, reconnect the connector then close the cover, turning clockwise;
- refit the cover on the wheel arch.

IMPORTANT Contact a Fiat Dealership to have the height of the light beam from the driving lights checked and adjusted.

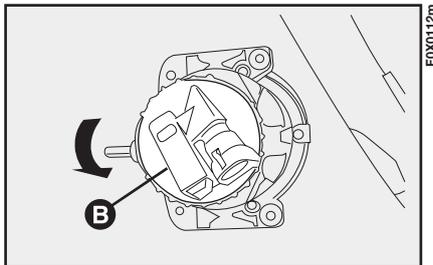


fig. 132

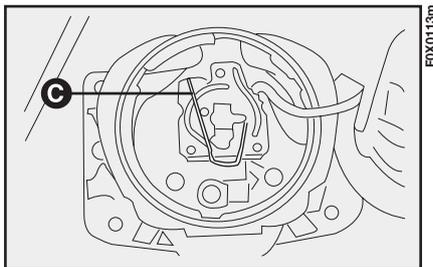


fig. 133

REAR LIGHT UNIT

To replace the bulb:

- from inside the load compartment, remove the caps A-fig. 134 to access the screws that fix the light unit;
- undo the screws A-fig. 135 then pull out the entire unit;

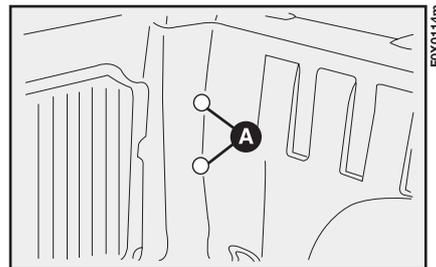


fig. 134

- disconnect the connector then undo the screws A-fig. 136 to access the bulbs to be replaced;
- remove the bulbs, pushing them slightly and turning them anticlockwise;

The bulbs fig. 136 are:

B - 12V-P21/5W for the brake lights

C - 12V-P21W for the reversing lights

D - 12V-P21W for the direction indicators

E - 12V-P21/5W for the side lights and rear fog lights.

3rd BRAKE LIGHT

The third brake light is LED type.

In the event of a failure, contact a Fiat Dealership.

NUMBER PLATE LIGHT

fig. 137

To replace the bulb:

- 1) undo the fixing screws A and remove the lens.
- 2) remove the bulb holder, rotating it slightly, and replace press-fitted bulb B.

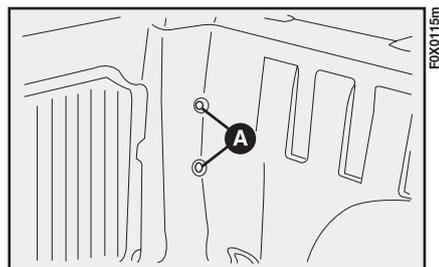


fig. 135

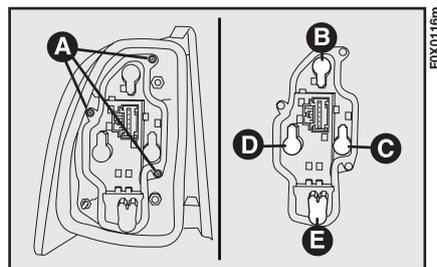


fig. 136

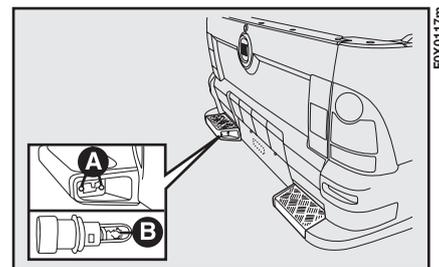


fig. 137

IF AN INTERNAL LIGHT STOPS WORKING

FRONT ROOF LIGHT

With tilting lens

To replace the bulb:

- using a screwdriver at the points indicated by the arrows fig. 138 remove the entire roof light unit;
- open the metal cover A-fig. 139 in the direction of the arrow;
- then replace cylindrical bulb B, releasing it from the side contacts;
- close the metal cover, then press fit the entire unit.

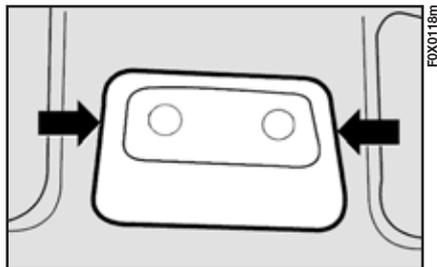


fig. 138

With spot light

To replace the bulbs:

- using a screwdriver at the points indicated by the arrows fig. 140 remove the entire roof light unit;
- remove lens A-fig. 141, operating the retaining devices B;
- replace cylindrical bulb D, releasing it from the side contacts C;

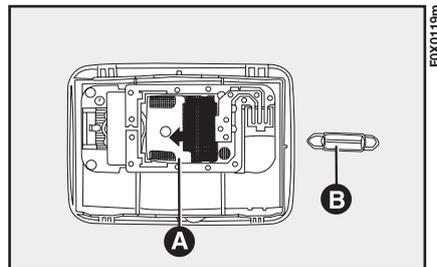


fig. 139

- to replace reading light E, rotate the connector anticlockwise and replace the press-fitted bulb;
- refit the lens then press fit the entire unit.

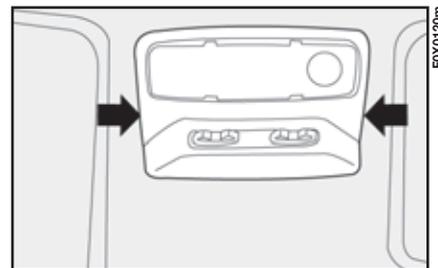


fig. 140

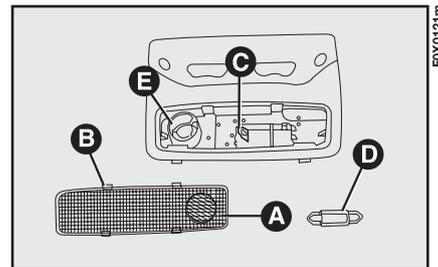


fig. 141

REAR ROOF LIGHT

(for versions/markets,
where provided)

To replace the cylindrical bulb:

- acting in the point indicated by the arrow fig. 142, remove the complete roof light unit;
- open the reflector A-fig. 143 and replace cylindrical bulb B, releasing it from the side contacts.

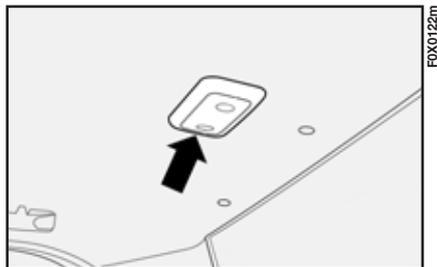


fig. 142

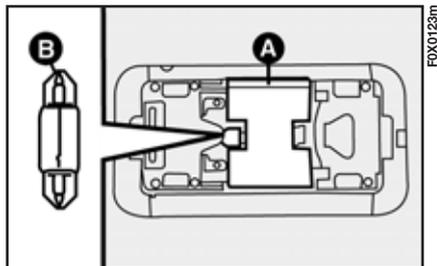


fig. 143

GLOVE COMPARTMENT LIGHT fig. 144

(for versions/markets,
where provided)

To replace the cylindrical bulb:

- remove lens A, pressing it and pulling it downwards;
- replace cylindrical bulb B, releasing it from the side contacts;
- refit lens A and fix it, pushing upwards.

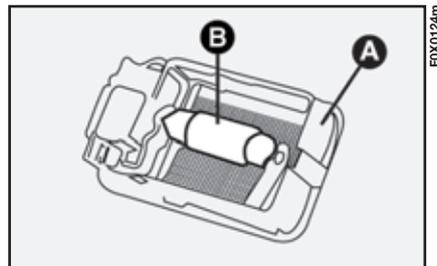


fig. 144

IF YOU BLOW A FUSE

REPLACING FUSES

Fuses protect the electrical system: they intervene (blow) in the event of a fault or improper action on the system.

Check the state of the corresponding fuse when a device does not work: the filament A fig. 145 must be intact.

If it is not, replace the blown fuse with another with the same amperage (same colour).

B intact fuse.

C fuse with damaged filament.

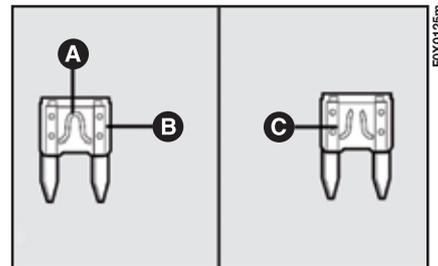


fig. 145

**WARNING**

If the replaced fuse blows again, contact a Fiat Dealership.



Never replace a blown fuse with metal wires or other material.

**WARNING**

Never replace a fuse with another with a higher amp rating; DANGER OF FIRE.

**WARNING**

If a general protection fuse (MEGA-FUSE, MIDI-FUSE) is activated, contact a Fiat Dealership.

**WARNING**

Before replacing a fuse, make sure that the ignition key has been removed and that all the other services are switched off and/or deactivated.

**WARNING**

If a general protection fuse for safety systems (airbag system, braking system), power unit systems (engine system, transmission system) or steering system blows, contact a Fiat Dealership.

Refer to the tables on the following pages to identify the protective fuse.

DASHBOARD FUSE BOX fig. 143

The fuse box is located under the instrument panel, to the left of the steering wheel.

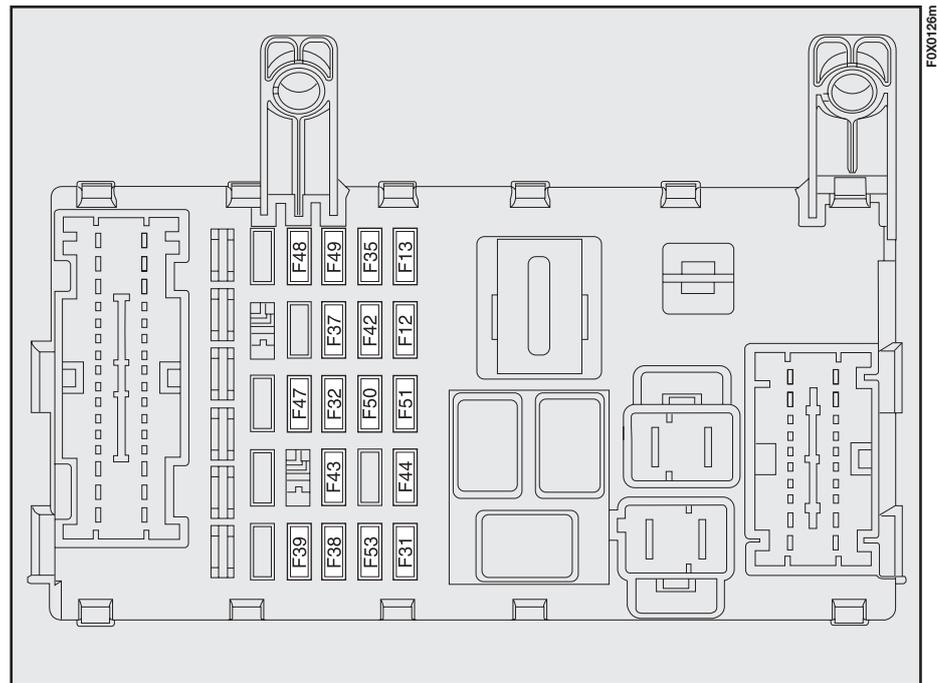


fig. 143

To access the fuse box fig. 143, undo the fixing screws A-fig. 144 and remove the guard B.

The symbols which identify the main electrical component that corresponds to each fuse are located on the inside of the cover.

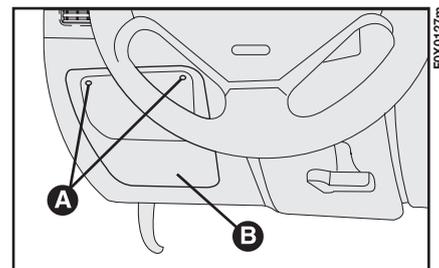


fig. 144

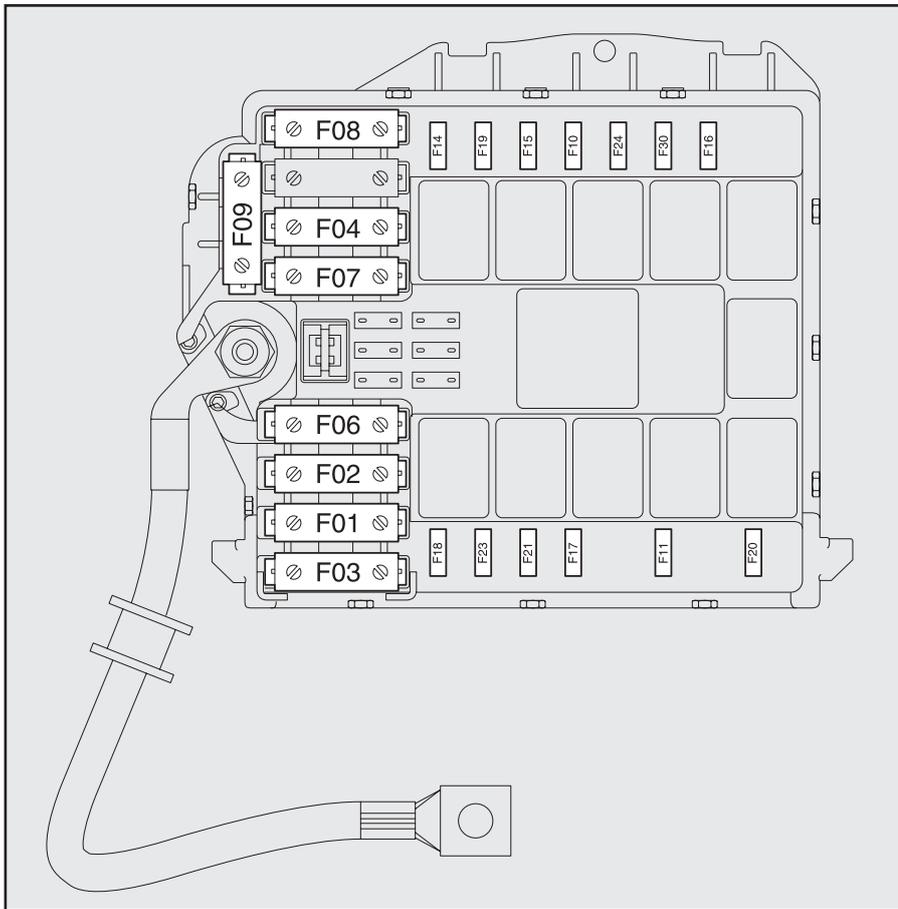


fig. 145

ENGINE COMPARTMENT FUSE BOX fig. 145

To access the fuse box, open the cover.



If you need to clean the engine compartment, take care not to direct the jet of water specifically onto the engine compartment wired casing.

FUSE SUMMARY TABLE

Device protected	No. Fuse	Amps	Location
ARight dipped headlight	F12	15A	fig. 143
Left dipped headlight, headlight alignment corrector	F13	15A	fig. 143
Supply for reversing light, relay switch coils on engine compartment fuse box, manual climate control system	F31	7,5A	fig. 143
+30 exterior lighting control supply	F32	15A	fig. 143
Brake light switch supply (NC signal)	F35	10A	fig. 143
Brake lights, instrument panel node	F37	10A	fig. 143
Central locking	F38	20A	fig. 143
+30 supply for roof light, glove compartment light, radio	F39	15A	fig. 143
ABS control unit	F42	7,5A	fig. 143
Windscreen wiper, two-way pump	F43	30A	fig. 143
Power socket - cigar lighter	F44	20A	fig. 143
Front left electric window	F47	30A	fig. 143
Front right electric window	F48	30A	fig. 143
+15 services supply for radio, electric mirrors, central and side control panel lighting, electric mirror control lighting	F49	7,5A	fig. 143
Airbag system	F50	7,5A	fig. 143
+ supply for number plate lights, heater control lighting, power socket – cigar lighter lighting, radio lighting	F51	7,5A	fig. 143
Direction indicators, hazard warning lights, instrument panel node	F53	10A	fig. 143

Device protected	No. Fuse	Amps	Location
Plug preheating	F00	60A	fig. 145
Dashboard fuse box - basic	F01	70A	fig. 145
Dashboard fuse box - optional	F02	40A	fig. 145
Ignition switch	F03	20A	fig. 145
Anti-slip system	F04	50A	fig. 145
Single speed – Radiator fan first speed	F06	30A – 40A (*)	fig. 145
Single speed – Radiator fan second speed	F07	40A – 60A (*)	fig. 145
Climate control fan	F08	40A	fig. 145
Horn	F10	15A	fig. 145
Speedometer generator, canister solenoid valve, preheating control unit, secondary loads, engine management system	F11	15A	fig. 145
Right main beam headlight	F14	10A	fig. 145
Left main beam headlight	F15	10A	fig. 145
Engine management control unit, engine management system relay switch, engine cooling system remote control switch	F16	7,5A	fig. 145
Engine management control unit (supply), diesel pump solenoid valve unit	F17	10A	fig. 145
Engine management control unit	F18	7,5A	fig. 145
Climate control compressor	F19	7,5A	fig. 145
Heated filter	F20	20A	fig. 145
Fuel pump, cut-off system	F21	15A	fig. 145
Additional headlights	F23	15A	fig. 145
Ignition-operated +15 positive pole	F24	10A	fig. 145
Fog lights	F30	15A	fig. 145

(*) For versions/markets, where provided.

IF THE BATTERY RUNS DOWN

First of all, you are advised to consult the “Vehicle maintenance” section, which contains a list of precautions to prevent the battery from running down and ensure long battery life.

RECHARGING THE BATTERY

IMPORTANT The battery recharging procedure is given for information purposes only. You are advised to contact a Fiat Dealership to have this operation performed.

Charging should be slow at a low ampere rating for approximately 24 hours. Charging for a longer time may damage the battery.

To recharge, proceed as follows:

- disconnect the negative battery terminal;
- connect the charger cables to the battery terminals, observing the polarity;
- switch on the charger;
- when it is recharged, turn the charger off before disconnecting it from the battery;
- reconnect the negative battery terminal.



WARNING

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



WARNING

Do not attempt to charge a frozen battery: it must be thawed first, otherwise it may explode. If freezing has occurred, the battery should be checked by skilled personnel to make sure that the internal elements are not damaged and that the body is not cracked, with the risk of leaking poisonous and corrosive acid.

IF THE VEHICLE MUST BE RAISED

WITH THE JACK

See paragraph “If a tyre is punctured”, in this section.



WARNING

The jack is only to be used for replacing wheels on the vehicle with which it is provided. Never use the jack for other purposes, such as lifting other vehicles. Never use the jack to carry out repairs under the vehicle.



WARNING

Incorrect positioning of the jack may cause the raised vehicle to fall. Do not use the jack for loads greater than that indicated on the jack itself.

Bear in mind that:

- the jack requires no adjustment;
- the jack cannot be repaired; in the event of a fault it must be replaced by another original one;
- no tool other than the cranking device illustrated in this section may be fitted on the jack.

WITH WORKSHOP LIFT

Laterally

The vehicle must be raised with the arm of the hydraulic lift positioned as illustrated in fig. 146 and 147.

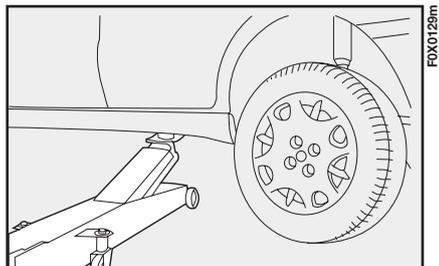


fig. 146

 **WARNING**

The vehicle must not be raised from the rear (lower part of bodywork or suspension components) nor must it be raised from the front (gearbox casing).

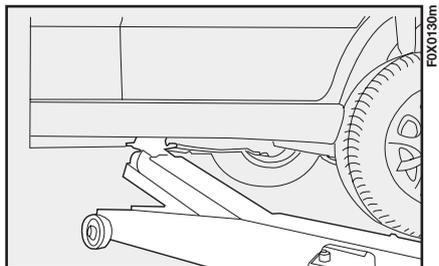


fig. 147

WITH LIFT ARMS

The vehicle must be raised with the ends of the arms in the lower points in the bodywork as indicated in fig. 148.

 **Make sure that the arms of the lift do not put a strain on the bodywork or the side trim. Adjust the arms of the lift correctly, and apply a wooden or rubber block if necessary.**

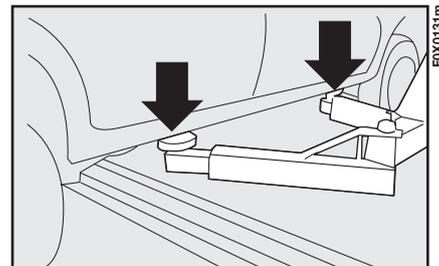


fig. 148

IF THE VEHICLE MUST BE TOWED

The vehicle can only be towed at the front.

The tow hook is supplied with the vehicle.

It is located in the tool bag.

How to attach the tow hook:

- 1) Take the tow hook.
- 2) Remove the cover on the front bumper fig. 149, prising it up using a screwdriver in the notch on the cover.
- 3) Fully tighten the ring on the threaded pin.

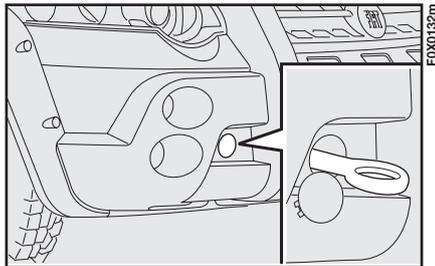


fig. 149



WARNING

*The tow hook must be used exclusively for roadside assistance operations. You are allowed to tow the vehicle for short distances using an appropriate device in accordance with the highway code (rigid bar), to move the vehicle on the road in readiness for towing or transport via a breakdown vehicle. The tow hook **MUST NOT** be used to tow vehicles off the road or where there are obstacles and/or for towing operations using cables or other non-rigid devices. In compliance with the above conditions, towing must take place with the two vehicles (one towing, the other towed) aligned as much as possible along the same centre line.*



WARNING

*Before towing, turn the ignition key to **MAR** and then to **STOP** without extracting it. If the key is removed, the steering lock will activate automatically and it will be impossible to steer the wheels.*



WARNING

Before screwing on the tow hook, clean the threaded pin thoroughly. Before towing the vehicle, make sure that the tow ring is fully screwed onto the threaded pin.



WARNING

Do not start the engine whilst the vehicle is being towed.



WARNING

The brake servo and power steering will not work while the vehicle is being towed. You will therefore need to apply more force to the brake pedal and steering wheel. Do not use flexible cables when towing and avoid jerky movements. During towing operations, make sure that the fixing of the joint does not damage adjoining components.

EXTINGUISHER

(for versions/markets, where provided)

Some versions may feature an extinguisher A-fig. 152.

For use and maintenance, follow the instructions on the extinguisher itself.

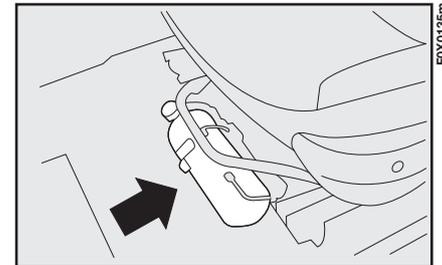


fig. 152

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VEHICLE MAINTENANCE

SCHEDULED SERVICING

Correct servicing is essential for ensuring long vehicle life under the best conditions.

This is why Fiat has planned a series of checks and services every 35,000 km.

It is, however, important to remember that scheduled servicing does not completely cover all the requirements of the vehicle: even in the initial period before 35,000 km, and then subsequently, between one service and another, ordinary care is always required such as routine checks involving topping up fluid levels, checking tyre pressures etc.

IMPORTANT Scheduled Servicing coupons are required by the Manufacturer.

Failure to comply with the schedule may invalidate the warranty.

Scheduled Servicing can be carried out by any Fiat Dealership, at pre-established times.

If during each operation, in addition to those scheduled, the need arises for further replacements or repairs, these may only be carried out with the explicit agreement of the Customer. **IMPORTANT** You are advised to contact a Fiat Dealership in the event of any minor operating faults, without waiting for the next service coupon.

If the vehicle is used frequently for towing, the interval between scheduled servicing must be reduced.

SCHEDULED SERVICING PLAN

Service coupons must be performed every 35,000 km.

Thousands of miles	21	42	63	84	105
Thousands of kilometres	35	70	105	140	175
Months	24	48	72	96	120
Check battery charge status and recharge if necessary	●	●	●	●	●
Check tyre conditions/wear and adjust pressure, if required	●	●	●	●	●
Check operation of lighting system (headlights, direction indicators, hazard warning lights, passenger compartment, glove compartment, instrument panel warning lights, etc.)	●	●	●	●	●
Check operation of windscreen washer system and adjust jets if necessary	●	●	●	●	●
Check windscreen wiper blade position/wear	●	●	●	●	●
Check cleanliness of bonnet and boot locks, as well as cleanliness and lubrication of linkages	●	●	●	●	●
Visually inspect condition of: exterior bodywork, underbody protection, pipes and hoses (exhaust, fuel system, brakes), rubber elements (boots, sleeves, bushes, etc.)	●	●	●	●	●
Check condition and wear of front disc brake pads and operation of pad wear indicator	●	●	●	●	●
Check rear drum brake lining condition and wear		●		●	

Thousands of miles	21	42	63	84	105
Thousands of kilometres	35	70	105	140	175
Months	24	48	72	96	120
Check and, if necessary, top up fluid levels (engine coolant, hydraulic clutch/brakes, windscreen washer, battery, etc.)	●	●	●	●	●
Visual check of accessory drive belt(s) conditions (versions without automatic tensioner)		●			
Check tension of accessory drive belt (versions without automatic tensioner)	●				●
Check handbrake lever travel and adjust, if required	●	●	●	●	●
Check exhaust emissions/smokiness	●	●	●	●	●
Check operation of engine management systems (using diagnosis socket)	●	●	●	●	●
Check manual gearbox oil level	●	●	●	●	●
Replace fuel filter cartridge (diesel versions)		●		●	
Replace accessory drive belt(s)				●	
Replace air cleaner cartridge	●	●	●	●	●

Thousands of miles	21	42	63	84	105
Thousands of kilometres	35	70	105	140	175
Months	24	48	72	96	120
Change engine oil and oil filter (versions with DPF) (*)					
Change brake fluid (or every 24 months)		●		●	
Replace pollen filter (or every 24 months)	●	●	●	●	●

(*) The actual interval for changing the oil and replacing the engine oil filter depends on the vehicle usage conditions and is signalled by the warning light  or message (if present) on the instrument panel or, in any case, every 24 months.



If the vehicle is driven mainly in towns, the engine oil and oil filter must be changed every 12 months.

PERIODIC CHECKS

Every 1,000 km or before long journeys, check and, if necessary, top up the following:

- engine coolant level;
- brake fluid level;
- windscreen washer fluid level;
- tyre pressure and conditions;
- operation of lighting system (headlights, direction indicators, hazard warning lights, etc.);
- operation of windscreen washer/wiper system and position/wear of windscreen/rear window wiper blades;

Every 3,000 km check and top up if required: engine oil level.

You are advised to use PETRONAS LUBRICANTS products, which have been designed and produced specifically for Fiat vehicles (see table “Capacities” in the “Technical specifications” section).

DEMANDING VEHICLE USE

If the vehicle is mostly used in one of the following conditions:

- towing a trailer or caravan;
- dusty roads;
- short, repeated journeys (less than 7-8 km) at sub-zero temperatures;
- engine often idling or driving long distances at low speeds or long periods of inactivity;

the following checks must be carried out more frequently than indicated in the Scheduled Servicing Plan:

- check front disc brake pad conditions and wear;
- check cleanliness of bonnet and boot locks, and cleanliness and lubrication of linkages;

- visually 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);
- visually inspect the condition of the accessory drive belts;
- check and, if necessary, change engine oil and replace oil filter;
- check pollen filter and replace, if required;
- check air cleaner and replace, if required.

CHECKING LEVELS



WARNING

Never smoke while working in the engine compartment: inflammable gases and vapours may be present, constituting a fire risk.



When topping up, take care not to mix up the various types of fluids: they are not compatible with each other and could seriously damage the vehicle.

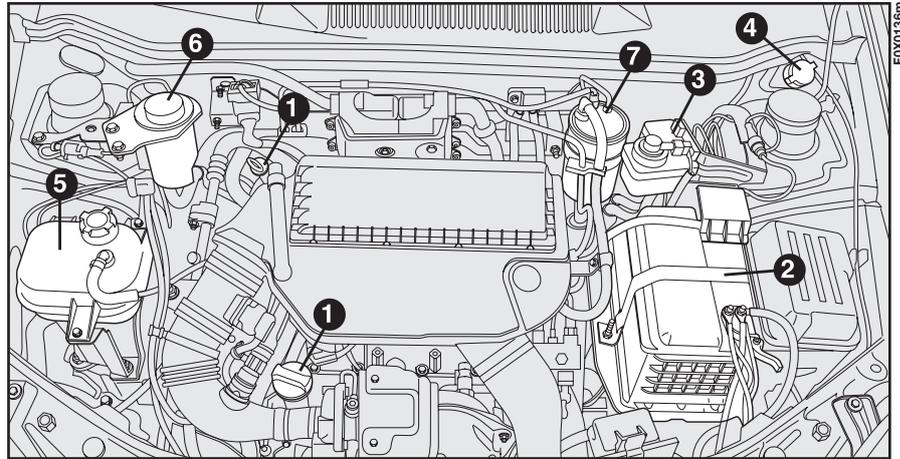


fig. 152 - I.3 Multijet 16V version

- 1. engine oil - 2. battery - 3. brake fluid - 4. windscreen washer fluid -
- 5. engine coolant - 6. power steering fluid - 7. diesel filter

ENGINE OIL fig. 153

Engine oil level check



Always top up using engine oil of the same specifications as that already in the engine.



WARNING

Be very careful when working in the engine compartment when the engine is hot: you may get burned. Remember that the fan may start up if the engine is hot: this could injure you. Scarves, ties and other loose clothing may be pulled by moving parts.

Check the oil level a few minutes (about 5) after the engine has stopped, with the vehicle parked on level ground.

Take out the engine oil dipstick A-fig. 153, clean it and then fully reinsert it, take it out again and check that the level is between the MIN and MAX marks on the dipstick. The interval between MIN and MAX corresponds to about 1 litre of oil.

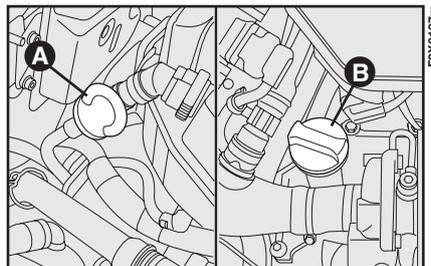


fig. 153

Topping up the engine oil

If the oil level is near or under the MIN mark, add oil through the filler B-fig. 153 until it reaches the MAX mark.

The oil level must never exceed the MAX mark.

IMPORTANT If the engine oil level, after a routine check, is above the MAX level, contact a Fiat Dealership to have the correct level restored.

IMPORTANT After adding or changing the oil, let the engine turn over for a few seconds and wait a few minutes after stopping it before you check the level.

ENGINE OIL CONSUMPTION

The maximum engine oil consumption is usually 400 grams every 1000 km.

When the vehicle is new, the engine needs to be run in, therefore the engine oil consumption can only be considered stabilised after the first 5,000–6,000 km.

IMPORTANT The oil consumption depends on the driving style and the conditions under which the vehicle is used.



Used engine oil and the oil filter contain harmful substances for the environment. It is advisable to have oil and filters changed by a Fiat Dealership, where they will be disposed of properly and in accordance with the law.

ENGINE COOLANT fig. 154

The coolant level must be checked when the engine is cold and must be above the MIN mark on the reservoir.

If the level is low, slowly pour a mixture of 50% demineralised water and 50% PARAF^{UP} by PETRONAS LUBRICANTS through the filler A until the level is nearly at MAX.

A 50-50 mixture of PARAF^{UP} and distilled water gives freeze protection to -35°C.

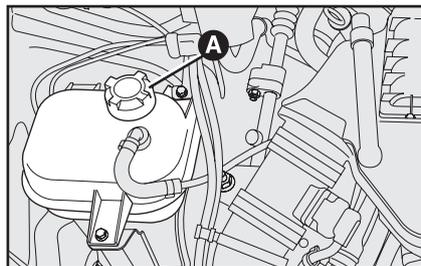


fig. 154

When the vehicle is used in particularly harsh weather conditions, we recommend using a 60-40 mixture of PARAF^{UP} and demineralised water.



The engine cooling system uses PARAF^{UP} protective antifreeze fluid. Use fluid of the same type contained in the cooling system for any top-ups. PARAF^{UP} cannot be mixed with any other type of fluid. If this happens, do not under any circumstances start the engine and contact a Fiat Dealership.



WARNING

Do not remove the cap of the tank when the engine is hot as there is a risk of scalding. The cooling system is pressurised. If the cap needs replacing, do so with another original or the effectiveness of the system may be compromised.

WINDSCREEN WASHER FLUID fig. 155

To add fluid, remove the cap and pour in a mixture of water and TUTELA PROFESSIONAL SC35 fluid in the following proportions:

- 30% TUTELA PROFESSIONAL SC35 and 70% water in summer.
- 50% TUTELA PROFESSIONAL SC35 and 50% water in winter.

At temperatures below -20°C , use undiluted TUTELA PROFESSIONAL SC35 fluid.



WARNING

Do not travel if the windscreen washer reservoir is empty: using the windscreen washer is essential for improving visibility.



WARNING

Some commercial windscreen washer additives are flammable. The engine compartment contains hot parts which could cause a fire if they come into contact with these additives.

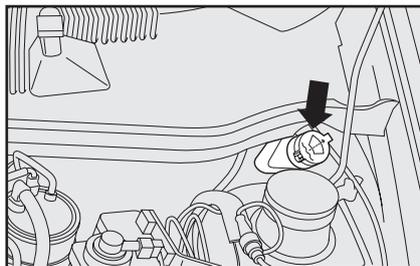


fig. 155

POWER STEERING FLUID fig. 156

Check that the oil level with the vehicle on flat ground and the engine cold is between the MIN and MAX marks on the reservoir.

The level may exceed the MAX mark when the oil is hot.

If topping up is required, make sure the oil you use has the same specifications as that already in the system.

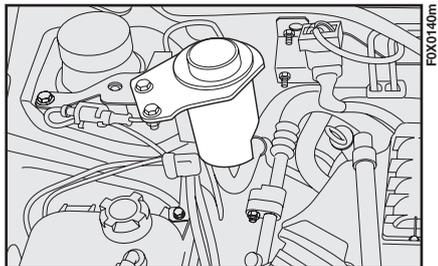


fig. 156



Power steering fluid consumption is extremely low; if another top-up is required after only a short period of time, have the system checked for leaks at a Fiat Dealership.



WARNING

Prevent power steering fluid from coming into contact with hot engine parts: it is flammable.

BRAKE FLUID fig. 157

Unscrew the cap A-fig. 157 and check that the liquid contained in the reservoir is at the maximum level.

The fluid level in the reservoir must not exceed the MAX mark.

You are advised to use the brake fluid shown in the “Fluids and lubricants” table (see section “Technical Specifications”) to top up.

When opening the cap A, make sure that no dirt gets into the reservoir.

For topping up, always use a funnel with integrated filter with mesh equal to or lower than 0.12 mm.

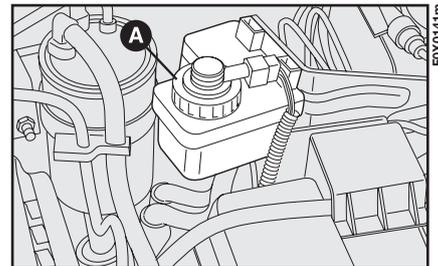


fig. 157

IMPORTANT Brake fluid is hygroscopic (i.e. it absorbs moisture). For this reason, if the vehicle is mainly used in areas with a high degree of atmospheric humidity, the fluid should be replaced at more frequent intervals than specified in the Scheduled Servicing Plan.



WARNING

The symbol © on the container indicates synthetic brake fluid, distinguishing it from the mineral kind. Use of a mineral type fluid will damage the special rubber seals of the braking system beyond repair.

AIR CLEANER

Air cleaner replacement must be carried out at a Fiat Dealership.

POLLEN FILTER

Pollen filter replacement must be carried out at a Fiat Dealership.

DIESEL FILTER fig. 158

DRAINING CONDENSATION



The presence of water in the supply circuit may cause severe damage to the injection system and irregular engine operation. If the  warning light switches on, contact a Fiat Dealership as soon as possible to have the system bled. If this problem is indicated immediately after refueling, water may have entered the fuel tank. In this case, stop the engine immediately and contact a Fiat Dealership.



Dispose of the diesel/water mixture discharged by the filter correctly. You are advised to contact a Fiat Dealership to drain the condensation. They are equipped to dispose of it in full respect of the environment and in compliance with legal regulations.



WARNING

The bleeding operation, if not carried out correctly taking the necessary precautions, may compromise the driving safety of the vehicle as well as leading to dangerous fuel leaks.

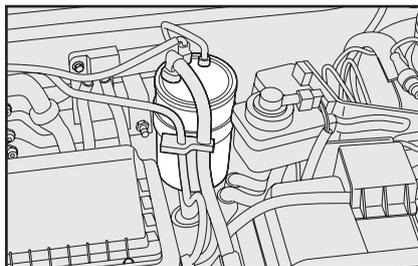


fig. 158

BATTERY

The battery is “limited maintenance” type: under normal conditions of use, the electrolyte does not need topping up with distilled water.

It does, however, need to be checked periodically at a Fiat Dealership or by specialist personnel to make sure it is working correctly.

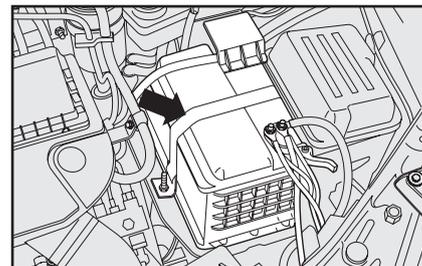


fig. 159



WARNING

Battery liquid is poisonous and corrosive. Avoid contact with skin and eyes. Keep naked flames and sources of sparks away from the battery: risk of explosion and fire.



WARNING

Using the battery with insufficient battery fluid may irreparably damage the battery and may cause an explosion.

REPLACING THE BATTERY

If required, replace the battery with an original spare part with the same specifications.

If a battery with different specifications is fitted, the service intervals given in the “Scheduled Servicing Plan” will no longer be valid.

Follow the battery manufacturer’s instructions for maintenance.



Incorrect assembly of electrical and electronic devices may cause severe damage to your vehicle. Contact a Fiat Dealership if you want to install accessories after purchasing the vehicle (alarms, radiophone, etc.): they will suggest the most suitable devices and advise you whether a higher capacity battery needs to be installed.



Batteries contain substances which are very dangerous for the environment. To replace your battery, we recommend contacting a Fiat Dealership to dispose of your old battery in full respect of the environment and in compliance with legal regulations.



If the vehicle will be unused for an extended period of time in extremely cold weather conditions, remove the battery and store it in a heated area to prevent it from freezing.



WARNING

When performing any operation on the battery or near it, always protect your eyes with special goggles.

USEFUL ADVICE FOR EXTENDING THE LIFE OF YOUR BATTERY

To avoid draining your battery rapidly and maintain its efficiency over time, carefully observe the following instructions:

- when you park the vehicle, ensure that the doors, tailgate and bonnet are closed properly, to prevent any roof lights from remaining on inside the passenger compartment;
- switch off all roof lights inside the vehicle: the vehicle is however equipped with a system which switches all internal lights off automatically;
- do not keep accessories (e.g. car radio, hazard warning lights, etc.) switched on for a long time when the engine is not running;
- before performing any operation on the electrical system, disconnect the negative battery cable;

- fully tighten the battery terminals.

IMPORTANT If the battery remains with the charge below 50% for a long time it becomes damaged through sulphation and its starting capacity is reduced.

The battery is also more prone to the risk of freezing (at temperatures as high as -10°C).

Refer to the paragraph “Vehicle inactivity” in the “Correct use of the vehicle” section if the vehicle is left parked for a long time.

If, after buying the vehicle, you want to install electrical accessories which require permanent electric supply (alarm, etc.) or accessories that in any case burden the electrical supply, contact a Fiat Dealership, whose qualified personnel, in addition to suggesting the most suitable devices from Lineaccessori Fiat, will evaluate the overall electrical consumption, checking whether the vehicle’s electrical system is capable of withstanding the load required, or whether it should be integrated with a more powerful battery.

Since some of these devices continue to consume electricity even when the engine is off, they gradually run down the battery.

WHEELS AND TYRES

TYRE PRESSURE

Check the pressure of each tyre, including the space-saver wheel, approximately every two weeks and before long journeys: the pressure should be checked with the tyre rested and cold.

It is normal for the pressure to increase when the vehicle is used; for the correct tyre inflation pressure, see “Wheels” in the “Technical specifications” section.

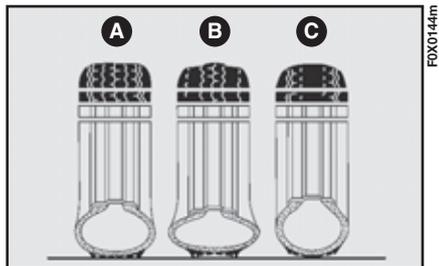


fig. 160



WARNING

Remember that the road holding qualities of your vehicle also depend on the correct inflation pressure of the tyres.

Incorrect pressure causes abnormal tyre wear fig. 160:

- A - Normal pressure: tread evenly worn.
- B - Low pressure: tread particularly worn at the edges.
- C - High pressure: tread particularly worn in the centre.



WARNING

If the pressure is too low the tyre overheats and can be seriously damaged.

The tyres must be replaced when the tread is less than 1.6 mm thick. In any case, comply with the laws in force in the country where you are driving.

IMPORTANT

Avoid sharp braking, racing starts etc. where possible.

In particular, avoid striking the kerb, potholes or other obstacles violently. Driving for long stretches over bumpy roads can damage the tyres.

Periodically check that the tyres have no cuts in the side wall, abnormal swelling or irregular tyre wear. Contact a Fiat Dealership if required.

Avoid overloading the car when travelling: this may cause serious damage to the wheels and tyres.

If you have a puncture, stop immediately and change the tyre, so that the tyre itself, the rim, the suspension and the steering are not damaged.

Tyres age even if they are not used much. Cracks in the tread and on the sidewalls are a sign of ageing. In any event, have the tyres checked by specialised personnel if they have been fitted for longer than 6 years, so that they can determine whether they can still be used. Remember to check the spare wheel with particular care.

Always fit new replacement tyres. Do not use any of dubious origin.

The Fiat Strada uses tubeless tyres. Do not use inner tubes with these tyres.

If a tyre is changed, also change the inflation valve.

To allow even wear between the front and rear tyres, it is advisable to change them over every 10-15 thousand kilometres, keeping them on the same side of the vehicle so as not to reverse the direction of rotation.



WARNING

Do not switch tyres from the righthand side of the vehicle to the lefthand side, and vice versa.



WARNING

Do not recoat alloy wheel rims at temperatures above 150°C. The mechanical characteristics of the wheels could be compromised.

RUBBER HOSES

For the rubber hoses of the brake, power steering and supply system, follow the Scheduled Servicing Plan precisely. Ozone, high temperatures and prolonged lack of fluid in the system may cause hardening and cracking of the hoses, with possible leaks. Careful checking is therefore necessary.

WINDSCREEN WIPER

BLADES

Periodically clean the rubber part using special products; TUTELA PROFESSIONAL SC35 is recommended.

Replace the blades if the rubber edge is deformed or worn. In all cases, it is advisable to replace them approximately once a year.



WARNING

Driving with worn wiper blades is a serious hazard, because visibility is reduced in bad weather.

A few simple precautions can reduce the possibility of damage to the blades:

- make sure that the rubber part is not stuck to the windscreen at sub-zero temperatures. Use a de-icing product to release it if required;
- remove any snow from the glass: in addition to protecting the blades, this prevents effort on the motor and over-heating;
- do not operate the windscreen wipers on dry glass.

Replacing blades

- 1) raise the windscreen wiper arm A-fig. 161 and position the blade so that it forms an angle of 90° with the arm;
- 2) push the wiper downwards releasing it from arm A;
- 3) fit the new blade, inserting the tab in the special housing in the arm. Make sure that it is properly locked into place.

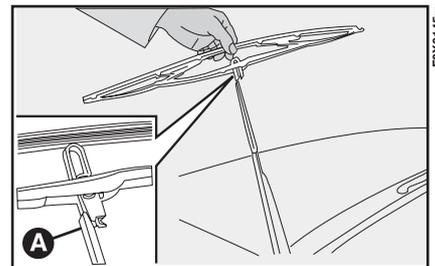


fig. 161

NOZZLES

If the jet of fluid is inadequate, firstly check that there is fluid in the reservoir: see “Checking levels” in this section.

Then check that the nozzle holes are not clogged, if necessary using a needle.

On some versions, the windscreen washer jets are adjusted by changing the angle of the nozzles: rotate the nozzle holder using a screwdriver in housing A-fig. 162, so that the jets are directed towards the highest point that the blades reach when in motion.

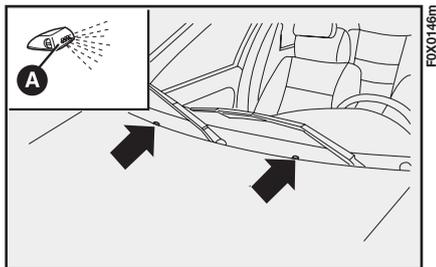


fig. 162

MANUAL CLIMATE CONTROL

(for versions/markets, where provided)

In winter, the climate control system must be turned on at least once a month for about 10 minutes.

Before summer, have the system checked at a Fiat Dealership.



The system uses R134a coolant which does not pollute the environment in the event of accidental leakage. Under no circumstances should you use R12 fluid which, in addition to being incompatible with the system's components, contains chlorofluorocarbons (CFCs).

BODYWORK

PROTECTION FROM ATMOSPHERIC AGENTS

The main causes of corrosion are the following:

- atmospheric pollution;
- salty air and humidity (coastal areas, or hot humid climates);
- seasonal environmental conditions.

The abrasive action of wind-borne atmospheric dust and sand, as well as mud and gravel raised by other vehicles is also not to be underestimated.

Fiat has adopted the best technology on your vehicle 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, inside of wheel arches and other parts with highly protective wax products;
- spraying of plastic materials for protective purposes in the most exposed points: under the doors, inside the wings, along the edges, etc.;
- use of “open” boxed sections to prevent condensation and pockets of moisture from triggering rust inside.

VEHICLE BODY AND UNDERBODY WARRANTY

Your vehicle is covered by warranty against perforation due to corrosion of any original element of the structure or body.

For the general terms of this warranty, refer to the Warranty Booklet.

ADVICE FOR PRESERVING THE BODYWORK

Paintwork

Paintwork does not only serve an aesthetic purpose, but also protects the underlying sheet metal.

Touch up abrasions and scratches immediately to prevent the formation of rust. Only use genuine spare paint products for touch-ups (see “Bodywork paint identification plate” in the “Technical Specifications” section).

Normal maintenance of paintwork consists in washing the car: the frequency depends on the conditions and environment where the car is used.

For example, it is advisable to wash the vehicle more often in areas with high levels of environmental pollution or on roads spread with salt.

To correctly wash the vehicle, proceed as follows:

- wash the body using a low pressure jet of water;
- wipe a sponge with a slightly soapy solution over the bodywork, frequently rinsing the sponge;
- rinse well with water and dry with a jet of air or a chamois leather.

If you put the vehicle through a car wash, follow these recommendations:

- remove the aerial from the roof so that it does not get damaged;
- the vehicle should be washed with water added to a soapy solution;
- rinse thoroughly to avoid soap marks remaining on the bodywork or less visible parts.



Some car washes with old-style blades and/or in a poor state of repair can damage the paintwork, facilitating the formation of lines that give the paint a dull/misty appearance, especially on dark colours. If this happens, lightly polish the paintwork with appropriate products.

Dry the less visible parts, such as the door frames, bonnet and the headlight frames with special care, as in these areas water may stagnate more easily.

It is a good idea to leave the vehicle outdoors for a while after washing it to give the water time to evaporate.

Do not wash the vehicle after it has been left in the sun or with the bonnet hot: this may alter the shine of the paintwork.

Exterior plastic parts should be cleaned in the same way as the rest of the vehicle. Where possible, do not park the vehicle under trees; the resinous substances released by many species give the paint a dull appearance and increase the possibility of corrosion.

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



Detergents cause water pollution. The vehicle should be washed in areas equipped for collecting and purifying the liquid used in the washing process.

Windows

To clean windows, use specific cleaning products.

Use clean cloths to avoid scratching the glass or damaging the transparency.

Engine compartment

At the end of each winter, thoroughly wash the engine compartment, taking care to avoid spraying the water jet directly onto the electronic control units or the fuse box on the left side of the engine compartment (driving direction).

Have this operation performed at a specialised workshop.

IMPORTANT Washing should take place with the engine cold and the ignition key removed.

After the washing operation, make sure that the various protections (e.g. rubber caps and guards) have not been removed or damaged.

Front headlights

IMPORTANT Never use aromatic substances (e.g. petrol) or ketenes (e.g. acetone) for cleaning the plastic lenses of the front headlights.

INTERIORS

Periodically check that water is not trapped under the mats (due to water dripping off shoes, umbrellas, etc.) which could cause oxidation of the sheet metal.



WARNING

***Never use flammable products, such as petroleum ether or modified petrol, to clean the inside of the vehicle.
The electrostatic charges which are generated by rubbing during the cleaning operation may cause a fire.***



WARNING

***Do not keep aerosol cans in the vehicle: they might explode.
Aerosol cans must not be exposed to temperatures above 50°C. Temperatures may greatly exceed this value inside a vehicle exposed to direct sunlight.***

SEATS AND FABRIC PARTS

Remove dust with a soft brush or a vacuum cleaner. It is advisable to use a moist brush on velvet upholstery.

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

PLASTIC PARTS

It is advisable to clean interior parts with a moist cloth and a solution of water and mild neutral soap.

Use specific products for cleaning plastic, without solvents and specifically designed to prevent damage to the appearance and colour of the treated parts, to remove grease and tough stains.

IMPORTANT Never use alcohol or petroleum to clean the instrument panel.

GENUINE LEATHER STEERING WHEEL/ HANDBRAKE/GEAR LEVER KNOB

(for versions/markets,
where provided)

These components must be cleaned with mild soap and water only.

Never use alcohol or alcohol-based products.

Read the product label carefully before using specific products for cleaning the interiors: make sure that the product does not contain spirits or alcohol-based substances.

If, when cleaning the windscreen with specific products, window cleaner accidentally drips onto the leather of the steering wheel/gear lever knob/handbrake, wipe away immediately and then wash the affected area with mild soap and water.

IMPORTANT Be careful when using a steering wheel locking device, to avoid damaging the leather upholstery through abrasion.

TECHNICAL SPECIFICATIONS

IDENTIFICATION DATA

It is advisable to take note of the identification codes.

The following identification codes are printed and shown on the plates:

- Vehicle identification number (VIN) plate.
- Chassis marking.
- Bodywork paint identification plate.
- Engine marking.

VIN PLATE fig. I

This plate is fitted to the engine compartment air intake chamber and bears the following information:

- B Type-approval number.
- C Vehicle type identification code.
- D Chassis number.
- E Maximum authorised weight of vehicle fully laden.
- F Maximum authorised weight of vehicle fully laden plus trailer.
- G Maximum authorised weight on first axle (front).
- H Maximum authorised weight on second axle (rear).
- I Engine type.
- L Bodywork version code.
- M Number for spare parts.
- N Correct smoke coefficient value.

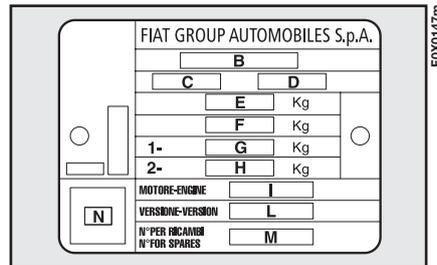


fig. 163

BODYWORK PAINT IDENTIFICATION PLATE fig. 164

This is applied to the inside of the passenger side door and bears the following information:

- A Paint manufacturer.
- B Colour name.
- C Fiat colour code.
- D Re-spray and touch-up colour code.

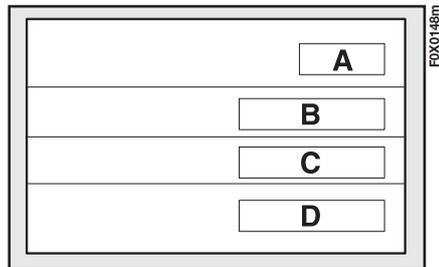


fig. 164

CHASSIS MARKING fig. 165

This is located on the passenger compartment floor panel, near the right front seat; open flap A to access.

The marking includes:

- vehicle model;
- chassis number.

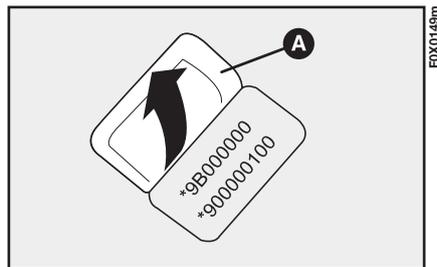


fig. 165

ENGINE MARKING

This is stamped on the cylinder block and includes the model and the manufacturing serial number.

ENGINE CODES – BODYWORK VERSIONS

Versions	Working		Trekking		Adventure	
	Short cab	Crew cab	Short cab	Extended cab	Extended cab	Crew cab
Engine codes	199B1000	199B1000	199B1000	199B1000	199B1000	199B1000
Body versions	278AYRIA 5A	278AYRIA 5B	278AYRIA 5C	278AYRIA 5D	278AYRIA 5E	278AYRIA 5F

ENGINE

GENERAL INFORMATION

1.3 Multijet 16V

Type code		199B1000
Cycle		Diesel
Number and arrangement of cylinders		4 in line
Number of valves per cylinder		4
Piston bore and stroke	mm	69,6 x 82
Total displacement	cm ³	1248
Compression ratio		16,8 : 1
Max. power (EEC)	kW HP	70 95
at a speed of	rpm	4000
Max. torque (EEC)	Nm kgm	200 20,4
at a speed of	rpm	1500
Idle speed	rpm	880 ± 50
Fuel		Diesel for motor vehicles (EN590 specification)

FUEL SUPPLY

I.3 Multijet 16V

Fuel supply

Electronically controlled Common Rail Multijet direct injection with turbo and intercooler



WARNING

Modifications or repairs to the fuel supply system that are not carried out correctly or do not take the system's technical specifications into account can cause malfunctions leading to the risk of fire.

TRANSMISSION

I.3 Multijet 16V

Gearbox

Five gears + reverse

Clutch

Self-adjusting with pedal without idle stroke

Drive

Front wheel

BRAKES

1.3 Multijet 16V

Service brakes:	front	self-ventilating disc with floating caliper	
	rear	drum	
Parking brake	controlled by hand lever, working on rear brakes		

IMPORTANT Water, ice and road salt on roads may deposit on the brake discs thus reducing braking efficiency when braking for the first time.

SUSPENSION

1.3 Multijet 16V

Front	Independent, MacPherson type with lower wishbones secured to a crossmember. Offset coil springs and double-acting telescopic hydraulic shock absorbers. Anti-roll bar.		
Rear	Rigid axle with longitudinal single-blade parabolic leaf spring.		

STEERING SYSTEM

1.3 Multijet 16V

Type	Rack and pinion with hydraulic power steering		
Turning circle (kerb to kerb)	m	Working / Trekking: 10,7	Adventure: 11,3

WHEELS

RIMS AND TYRES

Pressed steel or alloy wheels.

Tubeless radial carcass tyres. The vehicle registration document also lists all type-approved tyres.

IMPORTANT In the event of discrepancies between the information provided in the “Owner Handbook” and the “Vehicle registration document”, only the latter is valid.

Fit tyres of the same make and type on all wheels, to ensure the safety of the vehicle while driving.

IMPORTANT Do not use inner tubes in the case of tubeless tyres.

SPARE WHEEL

Pressed steel wheel.

Tubeless tyre, same as standard tyre.

WHEEL GEOMETRY

Front wheel toe in:

-1 ± 1 mm.

Rear wheel toe in:

0 ± 2 mm.

The values refer to the vehicle in running order.

READING TYRE CODE fig. 167

Example: 175/70 R 14 88T

175 = Rated width (S, distance between sidewalls in mm).

70 = Height/width ratio (H/S) as a percentage.

R = Radial tyre.

14 = Rim diameter in inches (\emptyset).

88 = Load rating (capacity).

T = Maximum speed rating.

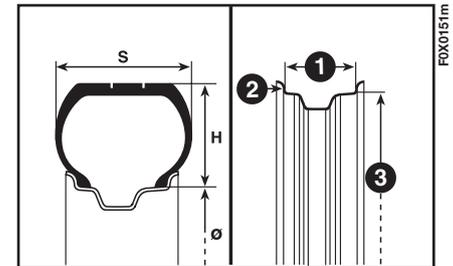


fig. 167

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

RIM PROTECTOR TYRES fig. 168



WARNING

DO NOT fit wheel hub caps when using integral hub caps fixed (with springs) to the steel rim and after sale tyres provided with Rim Protector.

Use of unsuitable tyres and hub caps may cause sudden loss of tyre pressure.

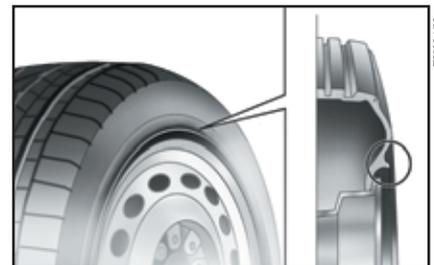


fig. 168

**CORRECT READING
OF THE RIM fig. 167**

Example: 5 1/2 J x 14 H ET40

5 1/2 = rim width in inches 1.

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

14 = fitting diameter in inches
(corresponds to diameter of
the tyre to be fitted) 3 = Ø.

H = shape and number of humps
(used for keeping tubeless
tyre beads on the rim).

ET40 = wheel camber (distance
between the disc/rim
support plane and the
wheel rim centre line).

Versions	Working		Trekking		Adventure	
	Short cab	Crew cab	Short cab	Extended cab	Extended cab	Crew cab
Rims	5 1/2 J x 14 H ET 40		5 1/2 J x 14 H ET 40		6 J x 15 ET 35 alloy	
Tyres provided	175/70 R14 88T		175/70 R14 88H EXTRA LOAD		205/65 R15 94H EXTRA LOAD	

COLD TYRE INFLATION PRESSURES (bar)

	ORIGINAL TYRES			
	Medium load		Full load	
	Front	Rear	Front	Rear
175/70 R14 88T	2,0	3,0	2,1	3,1
175/70 R14 88H	2,0	3,0	2,1	3,1
205/65 R15 94H	2,0	3,0	2,1	3,1

Add +0.3 bar to the prescribed pressure when the tyres are warm. However, recheck that the value is correct with the tyre cold.

With snow tyres, add +0.2 bar to the inflation pressure value prescribed for the original tyres. When travelling at speeds over 160 km/h, inflate the tyres to the values specified for fully laden conditions.

PERFORMANCES

Maximum speeds that can be reached after initial car use, in km/h.

Working	Trekking	Adventure
163	163	159

DIMENSIONS

Dimensions are expressed in mm and refer to the vehicle fitted with original tyres.
Height is measured with the vehicle unladen.

Versions	Working		Trekking		Adventure	
	Short cab	Crew cab	Short cab	Extended cab	Extended cab	Crew cab
A	790		790		817	
B	2718		2718		2753	
C	901		901		887	
D	4409		4409		4457	
E	1564	1580	1564	1588	1648	1631
F	1425		1425		1469	
G	1670		1670		1706	
H	1390		1390		1430	
I	1685	1082	1685	1332	1332	1082
J	1300		1300		1300	
K	1070		1070		1070	

Small variations in size are possible depending on the dimensions of the rims.

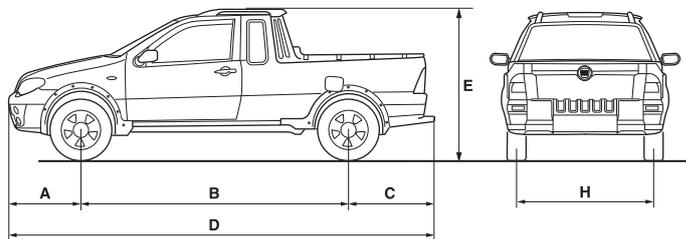
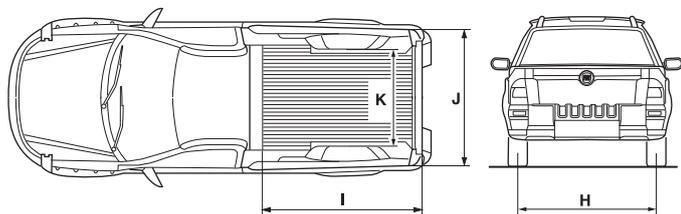
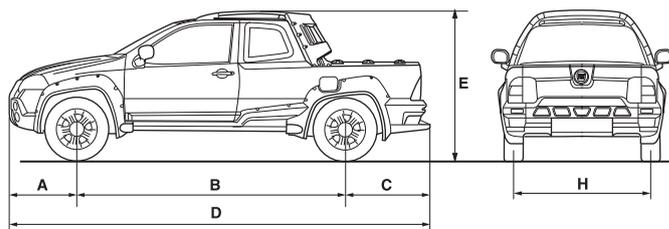
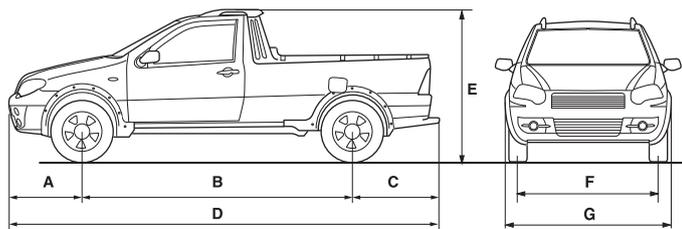


fig. 169

F0X0134m

WEIGHTS

kg	Working		Trekking		Adventure	
	Short cab	Crew cab	Short cab	Extended cab	Extended cab	Crew cab
Unladen weight (with all fluids, fuel tank filled to 90% and without optional equipment):	1210	1265	1210	1230	1250	1285
Payload including the driver (*):	705	650	705	685	665	630
Payload excluding the driver (*):	630	575	630	610	590	555
Maximum permitted loads (**)						
- front axle:	910	910	910	910	910	910
- rear axle:	1110	1110	1110	1110	1110	1110
- total:	1915	1915	1915	1915	1915	1915
Towable loads						
- braked trailer:	1000	1000	1000	1000	1000	1000
- non-braked trailer:	450	450	450	450	450	450
Maximum load on the ball joint (braked trailer):	60	60	60	60	60	60

(*) If special equipment is fitted (sun roof, tow hook, etc.) the unladen weight increases and consequently the payload will decrease complying with the maximum permitted loads.

(**) Loads not to be exceeded. The user is responsible for arranging goods in the load compartment complying with the maximum permitted loads.

CAPACITIES

	I.3 Multijet 16V		Prescribed fuels Original products
	litres	kg	
Fuel tank: including a reserve of:	48 5,5 - 7,5	– –	Diesel for motor vehicles (EN590 specification)
Engine cooling system:	7,6	7,86	Mixture of 50% distilled water and 50% PARAFLU^{UP}
Engine sump:	2,85	2,75	SELENIA WR P.E.
Engine sump and filter:	3,0	2,6	
Differential/gearbox casing:	1,98	1,8	TUTELA TRANSMISSION GEARFORCE
Hydraulic power steering:	0,68	0,9	TUTELA GI/E
CV joint and gaiter:	–	0,075	TUTELA MRM 2
Hydraulic brake circuit with ABS:	0,45	–	TUTELA TOP 4
Windscreen washer fluid reservoir:	2,3	–	Mixture of water and TUTELA PROFESSIONAL SC35

FLUIDS AND LUBRICANTS

SPECIFICATIONS AND RECOMMENDED PRODUCTS

Usage	Fluid and lubricant specifications for correct vehicle operation	Original lubricants and fluids	Replacement interval
Lubricants for diesel engines	SAE 5W-30 grade synthetic-based lubricant, FIAT 9.55535-SI classification.	SELENIA WR P.E. Contractual Technical Reference No. F510.D07	According to Scheduled Servicing Plan

For diesel engines, in the event of an emergency in which the original products are not available, lubricants with at least ACEA C2 performance are acceptable; however, in this case optimum engine performance is not guaranteed and the lubricants should be replaced with recommended products as soon as possible at a Fiat Dealership.

The use of products with lower specifications than ACEA C2 could cause damage to the engine not covered by warranty.

For particularly harsh climate conditions, ask a Fiat Dealership for the appropriate product from PETRONAS LUBRICANTS.

Use	Fluid and lubricant specifications for correct vehicle operation	Original lubricants and fluids	Applications
Lubricants and greases for drive transmission	FIAT 9.55530- MZ6 classification. SAE 75W grade synthetic lubricant.	TUTELA TRANSMISSION GEARFORCE Contractual Technical Reference F002.F10	Manual gearboxes and differentials
	FIAT 9.55550-MZ3 classification. SAE 75W-85 grade synthetic lubricant.	TUTELA CAR GEARTECH Contractual Technical Reference F704.C08	Manual gearboxes and differentials
	Molybdenum disulphide grease, for use at high temperatures. Consistency NLGI 1-2. FIAT 9.55580 classification.	TUTELA ALL STAR Contractual Technical Reference F702.G07	Wheel side constant velocity joints
	Grease for constant velocity joints with low friction coefficient. Consistency NLGI 0-1. FIAT 9.55580 classification.	TUTELA STAR 700 Contractual Technical Reference F701.C07	Differential side constant velocity joints
	Automatic transmission lubricant. Exceeds "ATF DEXRON III" specifications. FIAT 9.55550-AG2 classification.	TUTELA GI/E Contractual Technical Reference F001.C94	Hydraulic power steering
	Synthetic fluid for hydraulic and electrohydraulic systems. FIAT 9.55550- AG3 classification.	TUTELA GI/R Contractual Technical Reference F428.H04	Hydraulic power steering (for cold countries)
Brake fluid	Synthetic fluid, NHTSA no. 116 DOT 4, ISO 4925, SAE J-1704, CUNA NC 956-01. FIAT 9.55597 classification.	TUTELA TOP 4 Contractual Technical Reference F001.A93	Hydraulic brakes and hydraulic clutch controls
Protective agent for radiators	Red protective agent with antifreeze action, based on inhibited monoethyl glycol with organic formula. Exceeds the CUNA NC 956-16, ASTM D 3306 specifications. FIAT 9.555323 classification.	PARAFLU^{UP} (●) Contractual Technical Reference F101.M01	Percentage of use: 50% water 50% PARAFLU ^{UP} (□)
Windscreen and rear window washer fluid	Mixture of spirits and surfactants. Exceeds CUNA NC 956-11 specifications. FIAT 9.55522 classification.	TUTELA PROFESSIONAL SC35 Contractual Technical Reference F201.D02	To be used undiluted or diluted in windscreen/washer/wiper systems

(●) IMPORTANT Do not use fluids with different specifications for topping up or mixing.

(□) When the vehicle is used in particularly harsh climate conditions, we recommend using a mixture of 60% PARAFLU^{UP} and 40% demineralised water.

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 car;
- extra-urban cycle: driving that simulates using the vehicle out of town with frequent acceleration in all gears; the speed varies from 0 to 120 km/h;
- combined consumption: this is calculated with a weighting of about 37% urban cycle consumption and about 63% extra-urban consumption.

IMPORTANT The type of route, traffic situations, weather conditions, driving style, general state of the car, trim level/equipment/accessories, load, climate control system, roof rack, and other situations that affect how the car moves through the air may lead to different fuel consumption levels than those measured.

Fuel consumption according to the current european directive (litres / 100 km)

	Working		Trekking		Adventure	
	Short cab	Crew cab	Short cab	Extended cab	Extended cab	Crew cab
Urban	6.5		6.5		6.6	
Extra-urban	4,5		4.5		4.6	
Mixed	5.2		5.2		5.3	

CO₂ EMISSIONS

The CO₂ emission figures in the table below refer to combined fuel consumption.

CO₂ emissions according to the current european directive (g/km)

	Working		Trekking		Adventure	
	Short cab	Crew cab	Short cab	Extended cab	Extended cab	Crew cab
Mixed	138		138		140	

PRESCRIPTIONS FOR HANDLING THE VEHICLE AT THE END OF ITS LIFE

Fiat has been committed for many years to safeguarding the environment through the constant improvement of its production processes and manufacturing products that are increasingly compatible with nature.

To grant customers the best possible service in terms of respecting environmental laws and in response to European Directive 2000/53/EC governing vehicles at the end of their life, Fiat is offering all customers the opportunity of handing over their vehicle* at the end of its life without incurring any additional costs.

The European Directive sets out that when the vehicle is handed over the last keeper or owner should not incur any expenses as a result of its market value.

In particular, in almost all European Union countries, until 1st January 2007, vehicles registered after 1st July 2002 will be collected free of charge, whilst from 2007 collection will be free of charge irrespective of the year of registration as long as the vehicle contains its basic components (in particular, the engine and bodywork) and has no additional waste.

To hand your vehicle over at the end of its life without extra cost, contact a Fiat Dealership or authorised collection and scrapping centres.

These centres have been carefully chosen to offer high quality service for the collection, treatment and recycling of vehicles at their end of life, respecting the surrounding environment.

You can find further information on these collection and scrapping centres either from a Fiat or Fiat Commercial Vehicle Dealership or by calling the freephone number 00800 3428 0000 or by visiting the Fiat website.

* Vehicle for transporting passengers with a maximum of nine seats and a total permitted weight of 3.5 t

SELENIA®

In the heart of your engine.



Always ask your mechanic for **SELENIA®**

Oil change? The experts recommend Selenia

*The engine of your car is factory filled with **Selenia**. This is an engine oil range which satisfies the most advanced international specifications. Its superior technical characteristics allow **Selenia** to guarantee the **highest performance and protection of your engine**.*

The Selenia range includes a number of technologically advanced products:

SELENIA K PURE ENERGY

Synthetic lubricant designed for latest generation, low emission, petrol engines. Its specific formulation warrants the utmost protection also for high performance turbocharged engines with high thermal stress. Its low ash content helps to maintain the total cleanliness of modern catalyts.

SELENIA WR PURE ENERGY

Fully synthetic lubricant that can meet the requirements of the latest diesel engines. Low ash content to protect the particulate filter from the residual products of combustion. High Fuel Economy System that allows considerable fuel saving.

It reduces the danger of dirtying the turbine to ensure the protection of increasingly high performance diesel engines

SELENIA MULTIPOWER

Particularly ideal for the protection of new generation petrol engines, very effective even in the most severe weather conditions. It guarantees a reduction in fuel consumption (Energy conserving) and it is also ideal for alternative engines.

SELENIA SPORT

Fully synthetic lubricant capable of meeting the needs of high performance engines. Studied to protect the engine also in high thermal stress conditions, it prevents deposits on the turbine to achieve the utmost performance in total safety.

The range also includes Selenia StAR Pure Energy, Selenia Racing, Selenia K, Selenia WR, Selenia 20K, Selenia 20K AR. For further information on Selenia products visit the web site **www.selenia.com**.

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If you have any further questions please consult your FIAT dealer.

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