

# IF A FUSE BLOWS

## REPLACING THE FUSES fig. 23

If an electric device is not working, check whether the respective fuse is blown (i.e. the conductor is broken).

**A** - Undamaged fuse.

**B** - Fuse with broken filament.

Use the tongs **C** (A-fig. 25-27-29) in the fusebox to extract the fuse.



If the fuse blows again, have the vehicle inspected at a Fiat Dealership.



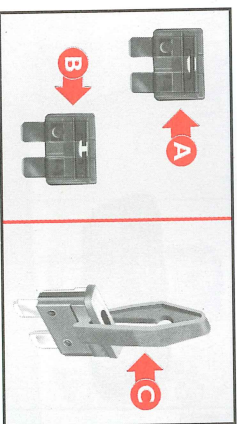
Never change a fuse with another amperage: **FIRE RISK!**



Before changing a fuse, check the ignition key has been removed and that all the other electric devices have been turned off/disabled.

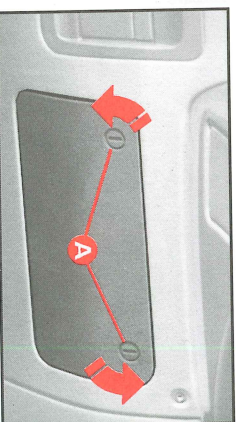


Never replace a broken fuse with anything other than a new fuse. Always use a fuse of the same colour.



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fig. 23



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fig. 24

## POSITION OF THE FUSES

### Fuses in fusebox

The fusebox is located in a specific compartment under the steering wheel.

To reach the fusebox, turn the two fastening screws **A-fig. 24** of 90° and remove the cover.

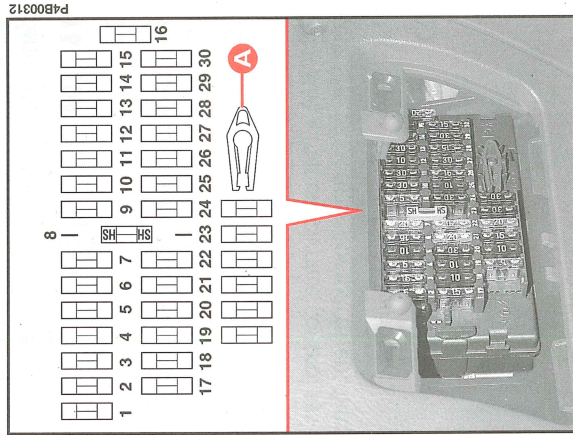


fig. 25

To remove the fuses, use the tongs **A-fig. 25** on the fusebox.

### Protected devices fig. 25 (Left-hand drive versions)

- 1 - 10A - Sound system;
- 2 - 5A - Speed sensor, coolant level sensor, coolant temperature sensor, instrument panel warning lights, supplementary heater (2.0 JTD versions);
- 3 - 15A - Speed regulator, speed sensor;
- 4 - 5A - Headlight slant corrector, left-hand front side light, right-hand taillight;
- 5 - 10A - Manual climate control system fan, electric window winders, manual climate control system pressure switch, passenger compartment fan, fan unit relay;
- 6 - 15A - Heated rear window, heated seats;
- 7 - 20A - Horn;
- 8 - Connected to fuse 23 via SH;
- 9 - 5A - Headlight washer, right-hand front side light, left-hand taillight, number plate lights;
- 10 - 30A - Spare fuse;
- 11 - 30A - Spare fuse;
- 12 - 10A - ABS, diagnostic socket power, reversing lights, engine coolant level gauge, speed sensor (1.9 D version);
- 13 - 30A - Spare fuse;
- 14 - 5A - Passenger compartment protection unit;
- 15 - 30A - Fiat CODE, passenger compartment protection unit, central door locking system;
- 16 - 20A - Cigar lighter;
- 17 - 15A - Coolant temperature control unit, compressor on relay, engine cooling fan;
- 18 - 10A - Rear fog lights;
- 19 - 10A - Front fog lights;

**19 - 10A** - Sound system, side/taillights on buzzer, symbol lighting, instrument panel lighting;

**20 - 30A** - Spare fuse;

**21 - 20A** - Heated seats;

**22 - 20A** - Spare fuse;

**23 -** Connected to fuse 8 via SH;

**24 - 30A** - Windscreen wiper, window washer pump;

**25 - 10A** - Sound system, clock, ceiling lights;

**26 - 15A** - Direction indicators, hazard lights;

**27 - 30A** - Rearview mirror demister, heated rear window;

**28 - 15A** - Brake lights, cruise control, battery charge warning light, brake pad wear warning light, window winders;

**29 - 30A** - Window winders;

**30 - 15A** - Side/taillights on buzzer, direction indicators, rearview mirror adjuster;

**SH** - Jumper fuses 8 and 23.

### **Protected devices fig. 25 (right-hand drive versions)**

**1 - 10A** - Sound system;

**2 - 10A** - ABS;

**3 - 15A** - Speed regulator, speed sensor;

**4 - 5A** - Sound system, side/taillights on buzzer, symbol lighting, instrument panel lighting, headlight washers, side/taillights, cruise control;

**5 - 10A** - Window winders, manual climate control system fan, heated rear window, pressure switch, passenger compartment fan;

**6 -** Spare;

**7 - 20A** - Horn, direction indicators hazard lights;

**8 -** Connected to fuse 23 via SH;

**9 - 5A** - Headlight slant corrector, side/taillights;

**10 -** Spare;

**11 -** Spare;

**12 - 10A** - Diagnostic socket for engine coolant temperature control unit, engine coolant level, reversing lights, speed sensor, instrument panel warning lights, supplementary heater (2.0 JTD versions)

**13 -** Spare;

**14 - 5A** - Passenger compartment protection unit;

**15 - 20A** - Central door locking system, Fiat CODE;

**16 - 10A** - Cigar lighter;

**17 -** Spare;

**18 - 5A** - Engine coolant temperature control unit, engine cooling fan;

**19 - 5A** - Rear foglights, rear light warning light;

**20 - 30A** - Manual climate control system fan, passenger compartment

**21 - 30A** - Heated rear window;

**22 -** Spare;

- 23 - Connected to fuse 8 via SH;
- 24 - 20A - Window wipers;
- 25 - 10A - Sound system, manual climate control system fan, clock, ceiling lights, instrument panel lighting, passenger compartment fan;
- 26 - 30A - Window winders;
- 27 - Spare;
- 28 - 15A - Direction indicators, hazard lights, brake lights, cruise control, battery charge warning light;
- 29 - Spare;
- 30 - 30A - Window winders, side/tail-lights on buzzer, rearview mirror adjuster;
- SH - Jumper 8 and 23.

### Fuses in the engine compartment

Other fuseboxes are located in the engine compartment. Press the tabs shown in **fig. 26** (versions without ABS) and in **fig. 28** (versions with ABS).

To remove the fuses, use the tongs **A-fig. 27** (versions without ABS) or **A-fig. 29** (versions with ABS).

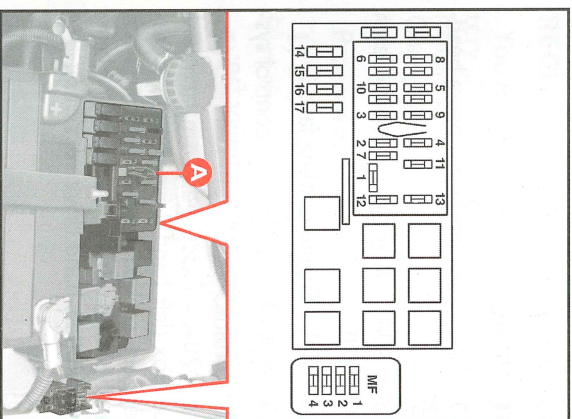


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fig. 26

### Protected devices fig. 27 (versions without ABS)

- 1 - 20A - Fuel pump, supplementary heater (2.0 JTD versions)
- 2 - 10A - Right-hand dipped beam headlight;
- 3 - 10A - Left-hand dipped beam headlight;
- 4 - 25A - Headlight washers;



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fig. 27



- 5 - Spare;
- 6 - 10A - Fiat CODE injection system (left-hand drive versions);
- 7 - 10A - Lambda sensor resistance, 2.0 JTD engine power supply (right-hand drive versions);
- 8 - 20A - Diagnostic socket power, trailer power;
- 9 - 30A - Engine cooling fan;
- 10 - Spare;
- 11 - Spare;
- 12 - 10A - Left-hand main beam headlight;
- 13 - 10A - Right-hand main beam headlight;
- 14 - 50A - Engine cooling fan;
- 15 - 40A - Manual climate control system, passenger compartment fan;
- 16 - 70A - Passenger compartment fusebox (left-hand drive versions), passenger compartment light switch (right-hand drive versions), alarm switch (left-hand drive versions);

- 17 - 70A - Passenger compartment fusebox (right-hand drive versions), passenger compartment light switch (left-hand drive versions), alarm switch (right-hand drive versions), engine ignition relay.
  - MF1** - Spare;
  - MF2** - Spare;
  - MF3** - 30A - Injection system (2.0 JTD version)
  - MF4** - 20A - Injection system (2.0 JTD version)
- Protected devices fig. 29  
(versions with ABS/2.0 JTD)**
- 1 - 20A - Trailer power;
  - 2 - 20A - Fuel pump, Lambda sensor;



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fig. 28

- 3 - 10A - Left-hand dipped beam headlight;
- 4 - 10A - Right-hand dipped beam headlight;
- 5 - 10A - Diagnostic socket power;
- 6 - 10A - Fiat CODE;
- 7 - 10A - Left-hand main beam headlight;

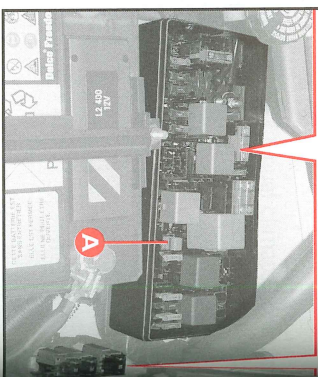
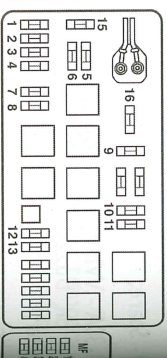


fig. 29

8 - 10A - Right-hand main beam headlight;

9 - 30A (\*) - Engine cooling fan;

10 - 30A - Headlight washers;

11 - 20A - Supplementary heater (2.0 JTD versions);

12 - 5A - Headlight washers;

13 - 15A - Lambda sensor resistance;

15 - 40A - Passenger compartment fan, manual climate control system fan;

16 - 50A (\*\*) - Engine cooling fan

MF1 - 60A - ABS;

MF2 - Spare;

MF2 - 30A - Injection system (2.0 JTD system);

MF4 - 20A - Injection system (2.0 JTD system).

(\*) 40A for 2.0 JTD versions;

(\*\*) 30A for diesel versions.

## IF THE BATTERY IS FLAT

First of all, read the "Vehicle maintenance" section for the steps to be taken to avoid the battery running down and to ensure it has a long life.

### JUMP STARTING

See instructions in the "Getting the best out of your vehicle" chapter.



**Under no circumstances should a battery charger be used to start the engine: it could damage the electronic systems and in particular the ignition and injection control units.**



**This procedure should only be carried out by experts as incorrect operations can cause electrical discharge of considerable intensity.**

### RECHARGING THE BATTERY

You are advised to recharge the battery slowly for a period of approximately 24 hours at a low amperage. Charging for too long could damage the battery.

Proceed as follows:

- 1) Disconnect the electrical system from the battery terminals.
- 2) Connect the charger cables to the battery terminals.
- 3) Turn on the charger.