



TETTO APRIBILE

150 - 500

SUN ROOF - DESCRIPTION

The sun roof provides a means of extra passenger compartment ventilation and ensures swift air exchange when necessary for improved passenger comfort.


The front part of this extensive glass roof is mobile and the rear part is fixed. An manually-operated inner blind that rolls into the roof trim ensures protection against solar radiation. The blind can only be open or closed, there are no intermediate positions.

The system is operated by a two buttons in a dedicated control panel, located near the front courtesy light, that controls a motor with two different operating modes. Specifically:

- during the opening stage, the first time the button is pressed continuously the glass panel assumes the spoiler position; when the button is pressed again continuously, the roof panel goes into the end of travel position;
- during the closing stage, on the other hand, the first time the button is pressed continuously, the panel goes from the panel open position to the spoiler position; the next time the button is pressed continuously the panel returns to the original position.

In both cases, if you stop pressing the buttons the roof stops moving immediately.

The sun roof control unit is built into the electric motor which activates the opening/closing of the actual roof.

 On this version the roof electronic control does not include an anti-crush safety function. Therefore it is necessary to make sure before or during operation that there is no risk of the passengers being exposed to injury due directly to the roof or by objects dragged along or projected by the actual roof.

The sun roof movements using the control buttons are only permitted with the ignition ON.

SUN ROOF - FUNCTIONAL DESCRIPTION

The sun roof control unit M095 receives a direct battery power supply, at pin 6, via the line protected by fuse F15 of the engine compartment junction unit B001 (pin 4 of connector B).

The Body Computer M001 provides an ignition-controlled power supply (INT), from pin 9 of connector C, for the control unit M095 (pin 3) along the line protected by fuse F51.

Pin 1 of the sun roof control unit M095 is connected to the left rear earth C030.

The Body Computer M001 (pin 19 of connector B) also provides the vehicle speed signal (VSO) for the control unit M095 (pin 8), forwarding the signal received via the C-CAN (pins 44 and 45 of connector B) from the braking system control unit M051.

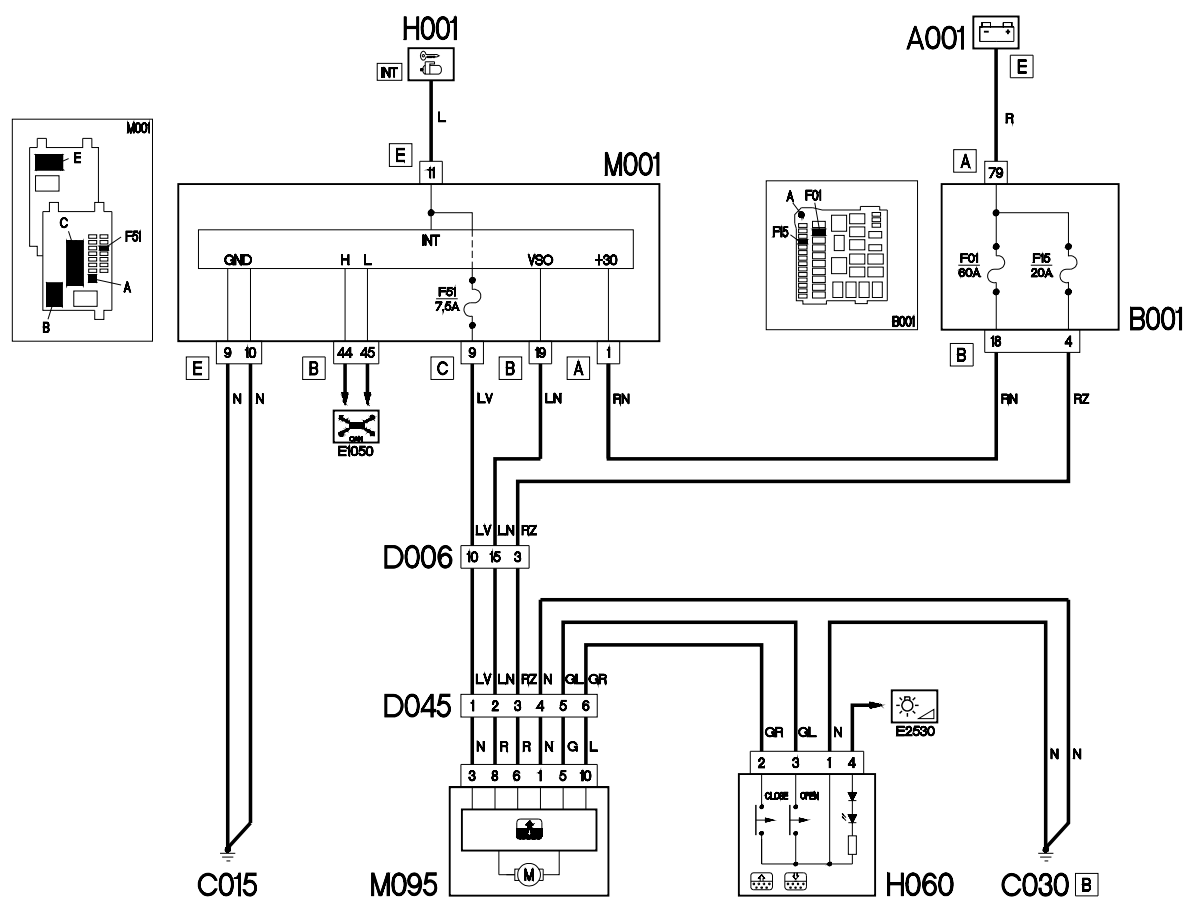
See E1050 CAN CONNECTION LINES

The sun roof selector H060, which houses the roof operating buttons, receives a fixed earth at pin 1; the control unit H060 sends the opening command for the roof, from pin 3, via the earth signal sent to pin 5 of control unit M095; it controls the closing of the roof, on the other hand, from pin 2, via the signal sent to pin 10 of M095.

The Body Computer M001 receives a direct battery power supply (pin 1 of connector A) protected by fuse F01 of the engine compartment junction unit B001 (pin 18 of connector B); it also receives an ignition-controlled power supply (INT) at pin 11 of connector E.

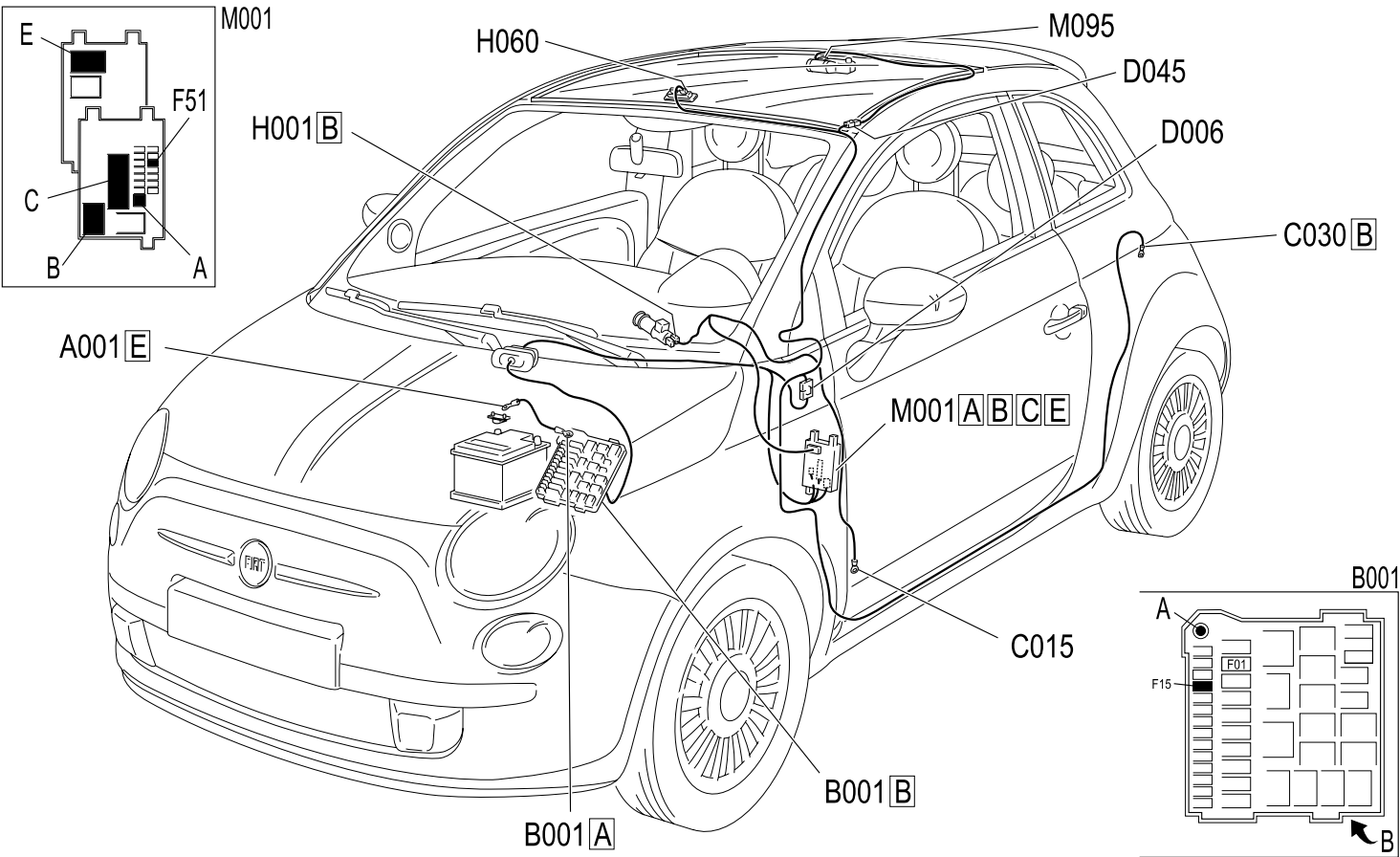
The Body Computer M001 is also connected to the driver's dashboard earth C015 via pins 9 and 10 of connector E.

SUN ROOF - WIRING DIAGRAM



| Component code | Description | Reference to the operation |
|----------------|--------------------------------|--|
| A001 | BATTERY | Op. 5530B10 BATTERY - R+R |
| B001 | JUNCTION UNIT | Op. 5505A10 JUNCTION UNIT - R+R |
| C015 | DASHBOARD EARTH, DRIVER'S SIDE | - |
| C030 | LEFT REAR EARTH | - |
| D006 | FRONT/REAR COUPLING | - |
| D045 | SUN ROOF COUPLING | - |
| H001 | IGNITION SWITCH | Op. 5520A10 IGNITION SWITCH ASSEMBLY - R+R |
| H060 | SUN ROOF SWITCH | Op. 5580M20 ON BOARD NAVIGATION SYSTEM CONTROLS - R.R. |
| M001 | BODY COMPUTER | Op. 5505A32 BODY COMPUTER - R.R |
| M095 | Sun roof control unit | Op. 7030B70 SUN ROOF MOVEMENT MOTOR - R+R |

SUN ROOF - COMPONENT LOCATION



| Component code | Description | Reference to the operation |
|----------------|--------------------------------|--|
| A001 | BATTERY | Op. 5530B10 BATTERY - R+R |
| B001 | JUNCTION UNIT | Op. 5505A10 JUNCTION UNIT - R+R |
| C015 | DASHBOARD EARTH, DRIVER'S SIDE | - |
| C030 | LEFT REAR EARTH | - |
| D006 | FRONT/REAR COUPLING | - |
| D045 | SUN ROOF COUPLING | - |
| H001 | IGNITION SWITCH | Op. 5520A10 IGNITION SWITCH ASSEMBLY - R+R |
| H060 | SUN ROOF SWITCH | Op. 5580M20 ON BOARD NAVIGATION SYSTEM CONTROLS - R.R. |
| M001 | BODY COMPUTER | Op. 5505A32 BODY COMPUTER - R.R |
| M095 | Sun roof control unit | Op. 7030B70 SUN ROOF MOVEMENT MOTOR - R+R |