



SBRINAMENTO LUNOTTO E SPECCHI RETROVISORI

199 - Grande Punto

REAR SCREEN AND REAR VIEW MIRROR DEMISTING - DESCRIPTION

In poor visibility conditions the demisting of the rear windows, door mirrors, lower part of the windscreen and screen washer jets can be activated.

The heating resistances for these components absorb a considerable amount of energy and are therefore controlled and deactivated after they have been working for a certain length of time: the demisting is subject to a delay timer, managed by the Body Computer, according to the following logic:

- ignition-operated, starting excluded (INT/A);
- engagement signal coming from the special button in the middle of the dashboard.

Under these circumstances the heating resistances remain supplied for a maximum of 20 minutes, then the supply is cut off.

The supply is cut off in the following conditions:

- key-off;
- disengagement signal from the button;
- battery voltage below 11.5 V;
- after the first 10 minutes of operation if the engine speed is below 960 rpm.

With the demisting on, the warning light next to the control button also comes on.

The activation timer (20 minutes) is set again each time the button is operated.

On versions with an AUTOMATIC AIR CONDITIONER, the climate control system control unit logic also intervenes with the "MAX-DEF" command.

deactivation of the MAX-DEF control only causes the switching off of the heated rear windscreen if the command to switch it on came from the MAX-DEF button; if, on the other hand, the command was given via the heated rear window button, it remains on

The demisting circuit for the rear window and door mirrors is controlled by a dedicated relay and protected by two dedicated fuses located in the engine compartment control unit.

REAR SCREEN AND REAR VIEW MIRROR DEMISTING - FUNCTIONAL DESCRIPTION

The heated rear windscreen relay switch T19, located in the engine compartment control unit B001, controls the engagement of the rear window demisting resistances P055 via the line protected by fuse F20 of control unit B001.

The same heated rear windscreen relay T19 controls the engagement of the demisting resistances for the door mirrors P060 and P061 via the line protected by fuse F88 of junction unit B001.

Relay coil T19 receives an ignition-operated (15/54) power supply via the line protected by fuse F87 of B001.

Relay T19, on the other hand, is energized by an earth signal coming from the Body Computer M001 - pin 16 of connector B; this signal is sent on the basis of the control logic illustrated previously G and in the presence of the demisting command:

- on versions with MANUAL AIR CONDITIONING from pin 10 of the switch in unit H080 to pin 41 of connector D of M001; with the resistances on, the Body Computer M001 sends the positive signal to turn on the LED next to the actual button from pin 21 of connector B.

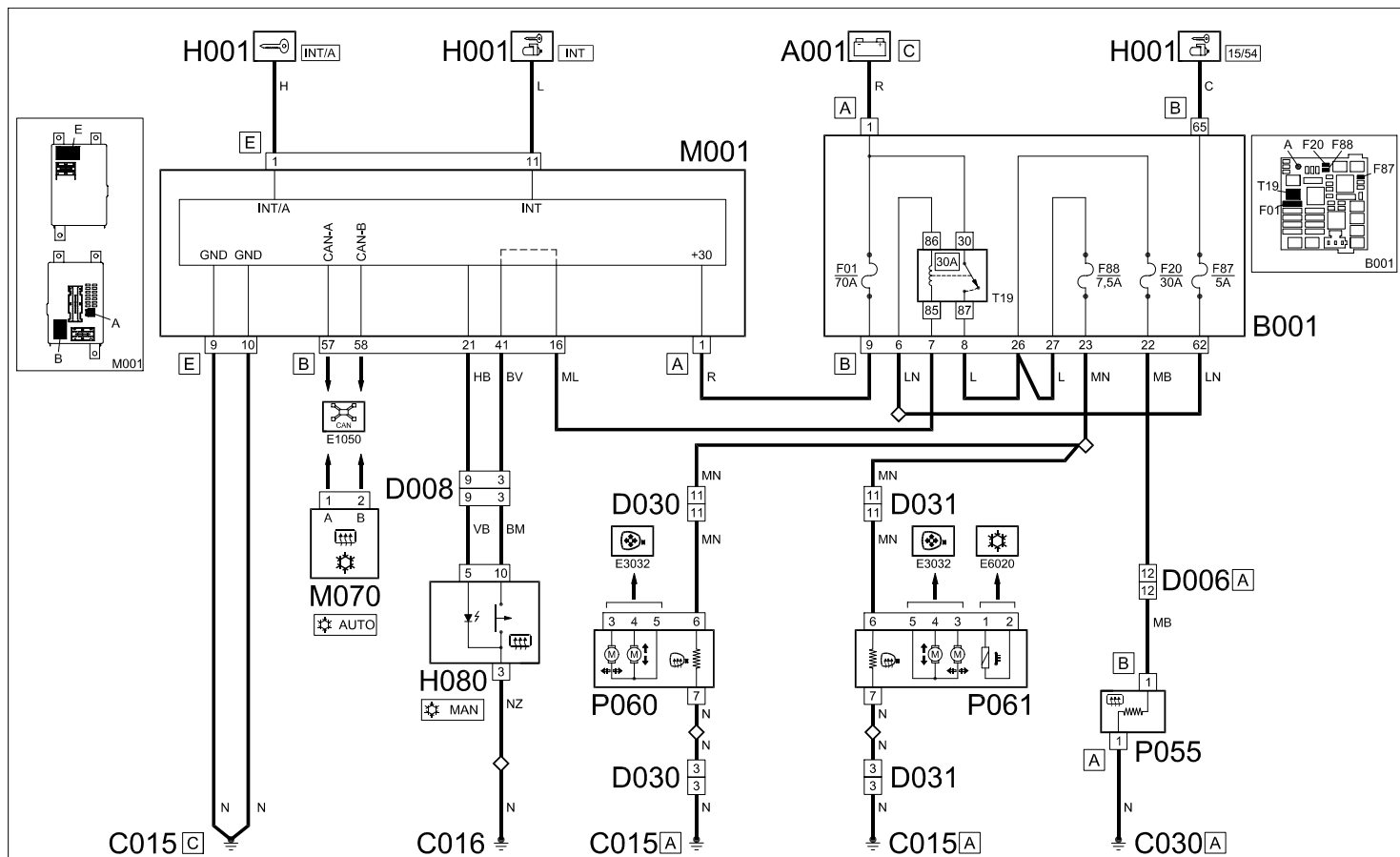
- on versions with AUTOMATIC AIR CONDITIONING, the engagement request, the MAX DEF function and the feedback signal with the resistances on are exchanged via the CAN line.

The Body Computer M001 - connector A - receives a direct power supply from the battery through the line protected by maxi fuse F01 of the engine compartment junction unit B001.

The Body Computer M001 receives an ignition-controlled (INT) power supply at pin 11 of connector E, whilst the ignition-controlled (INT/A) signal reaches pin 1 of connector E.

Pin 9 of connector E of M001 provides the Body Computer with a reference earth.

REAR SCREEN AND REAR VIEW MIRROR DEMISTING - WIRING DIAGRAM



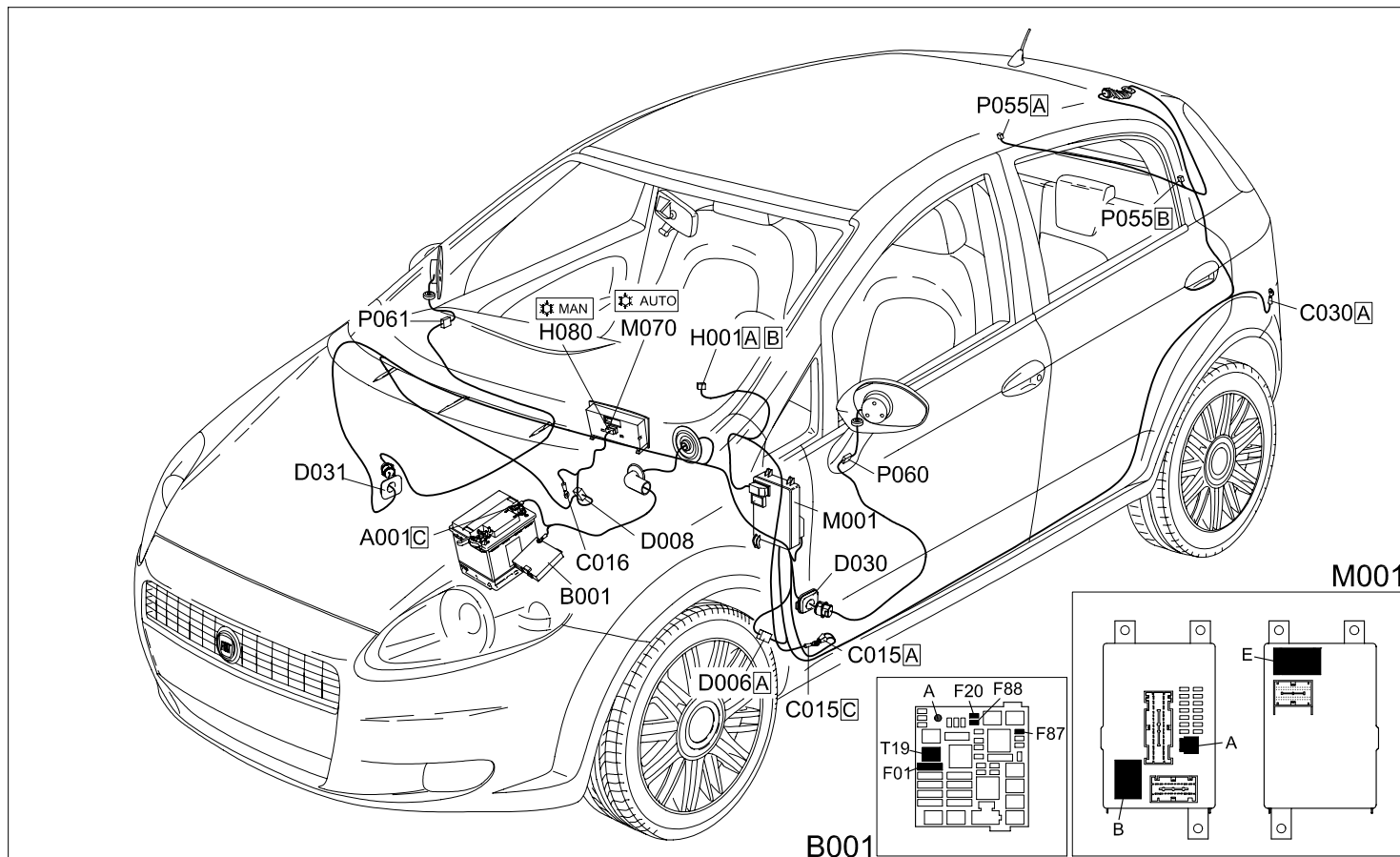
Component Code

Description

Reference to the operation

A001	BATTERY	Op. 5530B10 BATTERY - R+R
B001	JUNCTION UNIT	Op. 5505A28 CONTAINER FOR ADDITIONAL JUNCTION UNIT IN ENGINE COMPARTMENT - R.R.
C010	LEFT FRONT EARTH	-
C015	DASHBOARD EARTH, DRIVER'S SIDE	-
C016	AIR CONDITIONING UNIT EARTH	-
C030	LEFT REAR EARTH	-
D008	FRONT/AIR CONDITIONING-HEATER COUPLING	-
D030	LEFT FRONT DOOR COUPLING	-
D031	RIGHT FRONT DOOR COUPLING	-
H001	IGNITION SWITCH	Op. 5520A18 IGNITION SWITCH CONTACT CARRIER LOCK BARREL - R.R.
H080	AIR CONDITIONING CONTROLS	Op. 5040D10 AIR CONDITIONER CONTROLS SUPPORT - R+R OR REPLACE
M001	BODY COMPUTER	Op. 5505A32 BODY COMPUTER - R.R.
M070	CLIMATE CONTROL SYSTEM CONTROL UNIT	Op. 5040D14 CONTROL UNIT WITH AUTOMATIC AIR CONDITIONING CONTROL PANEL - R.R.
P055	HEATED REARSCREEN	Op. 7035B14 REAR WINDOW GLASS - R.R INCLUDES CLEANING HOUSING
P060	DRIVER'S DOOR MIRROR	Op. 7005R30 ELECTRICALLY CONTROLLED DOOR MIRROR (ONE) - R+R
P061	PASSENGER SIDE DOOR MIRROR	Op. 7005R30 ELECTRICALLY CONTROLLED DOOR MIRROR (ONE) - R+R

REAR SCREEN AND REAR VIEW MIRROR DEMISTING - COMPONENT LOCATION



Component Code	Description	Reference to the operation
A001	BATTERY	Op. 5530B10 BATTERY - R+R
B001	JUNCTION UNIT	Op. 5505A28 CONTAINER FOR ADDITIONAL JUNCTION UNIT IN ENGINE COMPARTMENT - R.R.
C010	LEFT FRONT EARTH	-
C015	DASHBOARD EARTH, DRIVER'S SIDE	-
C016	AIR CONDITIONING UNIT EARTH	-
C030	LEFT REAR EARTH	-
D008	FRONT/AIR CONDITIONING-HEATER COUPLING	-
D030	LEFT FRONT DOOR COUPLING	-
D031	RIGHT FRONT DOOR COUPLING	-
H001	IGNITION SWITCH	Op. 5520A18 IGNITION SWITCH CONTACT CARRIER LOCK BARREL - R.R.
H080	AIR CONDITIONING CONTROLS	Op. 5040D10 AIR CONDITIONER CONTROLS SUPPORT - R+R OR REPLACE
M001	BODY COMPUTER	Op. 5505A32 BODY COMPUTER - R.R
M070	CLIMATE CONTROL SYSTEM CONTROL UNIT	Op. 5040D14 CONTROL UNIT WITH AUTOMATIC AIR CONDITIONING CONTROL PANEL - R.R.
P055	HEATED REARSCREEN	Op. 7035B14 REAR WINDOW GLASS - R.R INCLUDES CLEANING HOUSING
P060	DRIVER'S DOOR MIRROR	Op. 7005R30 ELECTRICALLY CONTROLLED DOOR MIRROR (ONE) - R+R
P061	PASSENGER SIDE DOOR MIRROR	Op. 7005R30 ELECTRICALLY CONTROLLED DOOR MIRROR (ONE) - R+R