



CONNETTORE MULTIPLO DI DIAGNOSI

191 - Giulietta

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MULTIPLE DIAGNOSIS CONNECTOR - DESCRIPTION

The vehicle is equipped with numerous electronic control units with a self-diagnosis function. When diagnosis equipment (Examiner or other device) is connected to these control units, self-diagnosis data can be read (parameters, errors) or the available active diagnosis tests can be carried out.

All the diagnosis lines flow into the EOBD connector (European On Board Diagnosis) which conforms with Directive 98/69/EC - ISO standard J1962 - located under the dashboard to the left of the Body Computer.

Via the same connector it is possible to diagnose all the nodes (control units) connected to the low speed B-CAN and the high-speed C-CAN dynamic control network.

See E1050 CAN CONNECTION LINES

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MULTIPLE DIAGNOSIS CONNECTOR - FUNCTIONAL DESCRIPTION

The central diagnosis socket R010 receives a direct battery power supply at pin 16 from the line protected by fuse F36 of the Body Computer M001; pins 4 and 5 of R010 are earthed.

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-operated power supply (INT) at pin 2 of connector G: this signal is used, amongst other things, to "wake up the network".

Pin 11 of connector G of M001 provides the Body Computer with a reference earth.

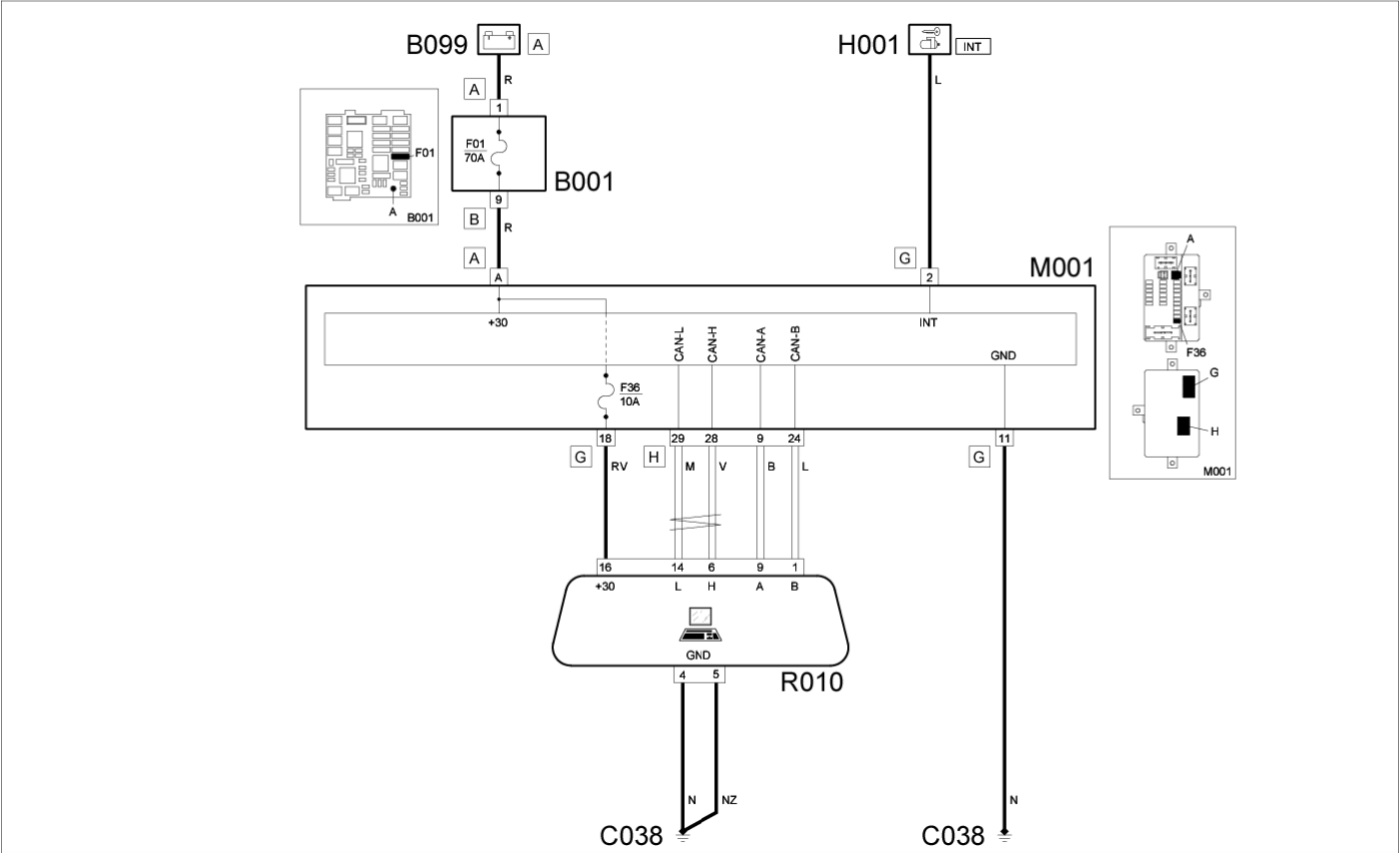
Pins 6 and 14 are connected to the C-CAN: this network controls and "diagnoses" the engine management control unit M010 and the ABS-VDC control unit M050, the headlamp control unit M073 and the electric steering control unit M086.

See E1050 CAN CONNECTION LINES

Pins 1 and 9 are connected to the B-CAN: this network controls and "diagnoses" the instrument panel E050, the radio (or radio navigator) P020, the Bluetooth control unit M162, the Air Bag control unit M060, the parking sensor control unit M084, the seat control units H066 and H067 and the climate control system control unit M070

See E1050 CAN CONNECTION LINES

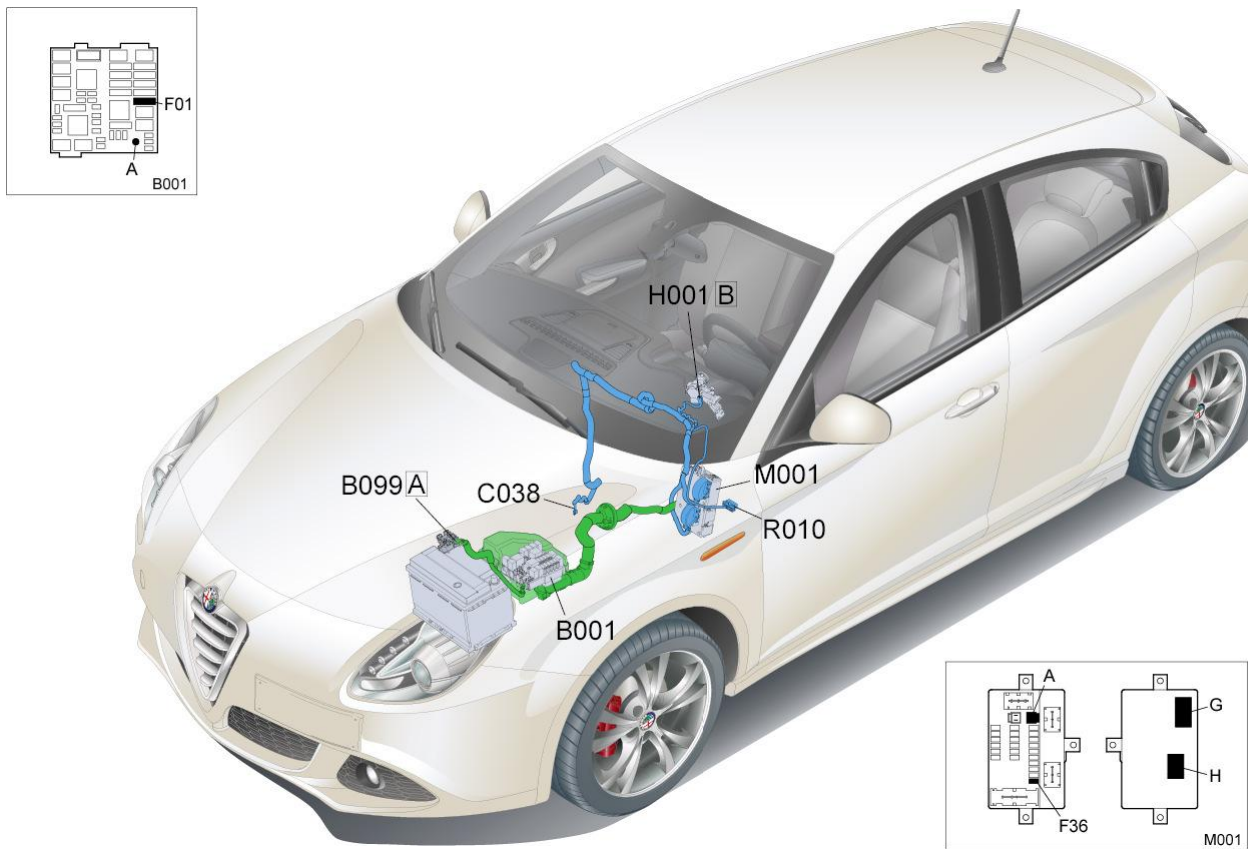
MULTIPLE DIAGNOSIS CONNECTOR - WIRING DIAGRAM



Component Code	Description	Reference to the operation
B001	JUNCTION UNIT	Op. 5505A28 CONTAINER FOR ADDITIONAL JUNCTION UNIT IN ENGINE COMPARTMENT - R.R.
B099	MAXI FUSE BOX ON BATTERY	Op. 5530B40 SUPPLY BOX ON BATTERY (LINK BATTERY AND FUSE BOX) - R R
C038	EARTH ON CENTRE TUNNEL	-
H001	IGNITION SWITCH	Op. 5520A18 IGNITION SWITCH CONTACT CARRIER LOCK BARREL - R.R.
M001	BODY COMPUTER	Op. 5505A35 MAIN BODY COMPUTER/JUNCTION UNIT - R.R.
R010	MULTIPLE TESTER CONNECTION	-

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MULTIPLE DIAGNOSIS CONNECTOR - LOCATION OF COMPONENTS



Component Code	Description	Reference to the operation
B001	JUNCTION UNIT	Op. 5505A28 CONTAINER FOR ADDITIONAL JUNCTION UNIT IN ENGINE COMPARTMENT - R.R.
B099	MAXI FUSE BOX ON BATTERY	Op. 5530B40 SUPPLY BOX ON BATTERY (LINK BATTERY AND FUSE BOX) - R R
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M001	BODY COMPUTER	Op. 5505A35 MAIN BODY COMPUTER/JUNCTION UNIT - R.R.
R010	MULTIPLE TESTER CONNECTION	-