



CRUISE CONTROL

191 - Giulietta

CRUISE CONTROL - DESCRIPTION

The Cruise Control function - constant speed governor - allows the driver to drive the car at a constant speed without pressing the accelerator pedal.

The function is managed by the engine management control unit. This receives commands from a Cruise Control lever on the left of the steering wheel built into the steering column stalk.

The function is activated by turning the appropriate ring nut (Cruise activated on ON). Moving the lever memorises an increase (+) or decrease (-) in the speed; this remains stored in the memory and can be restored at any time by pressing the RES (resume) button.

The function is automatically deactivated:

- by pressing the brake pedal;
- by pressing the clutch pedal;
- by turning the ring nut to "OFF";
- by switching off the engine.

In such cases, the last speed is stored and can be recalled by pressing the RES button.

The system also switches off at speeds below the minimum permitted speed (about 30 km/h)

With the system activated, the warning light in the instrument panel switches on, connected via the CAN to the engine management control unit.

For more details

See descriptions 5580A CRUISE CONTROL SYSTEM

CRUISE CONTROL - FUNCTIONAL DESCRIPTION

A single signal is sent from the steering column stalk H005 to the Body Computer M1, which manages all the Cruise Control commands: from pin 6 of H005 to pin 56 of connector D of M001; the signal is coded through various resistance partitions so that multiple information is sent from the steering column stalk to the Body Computer through a single connection.

The reference earth reaches pin 10 of H005 from pin 45 of connector H of M001.

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".

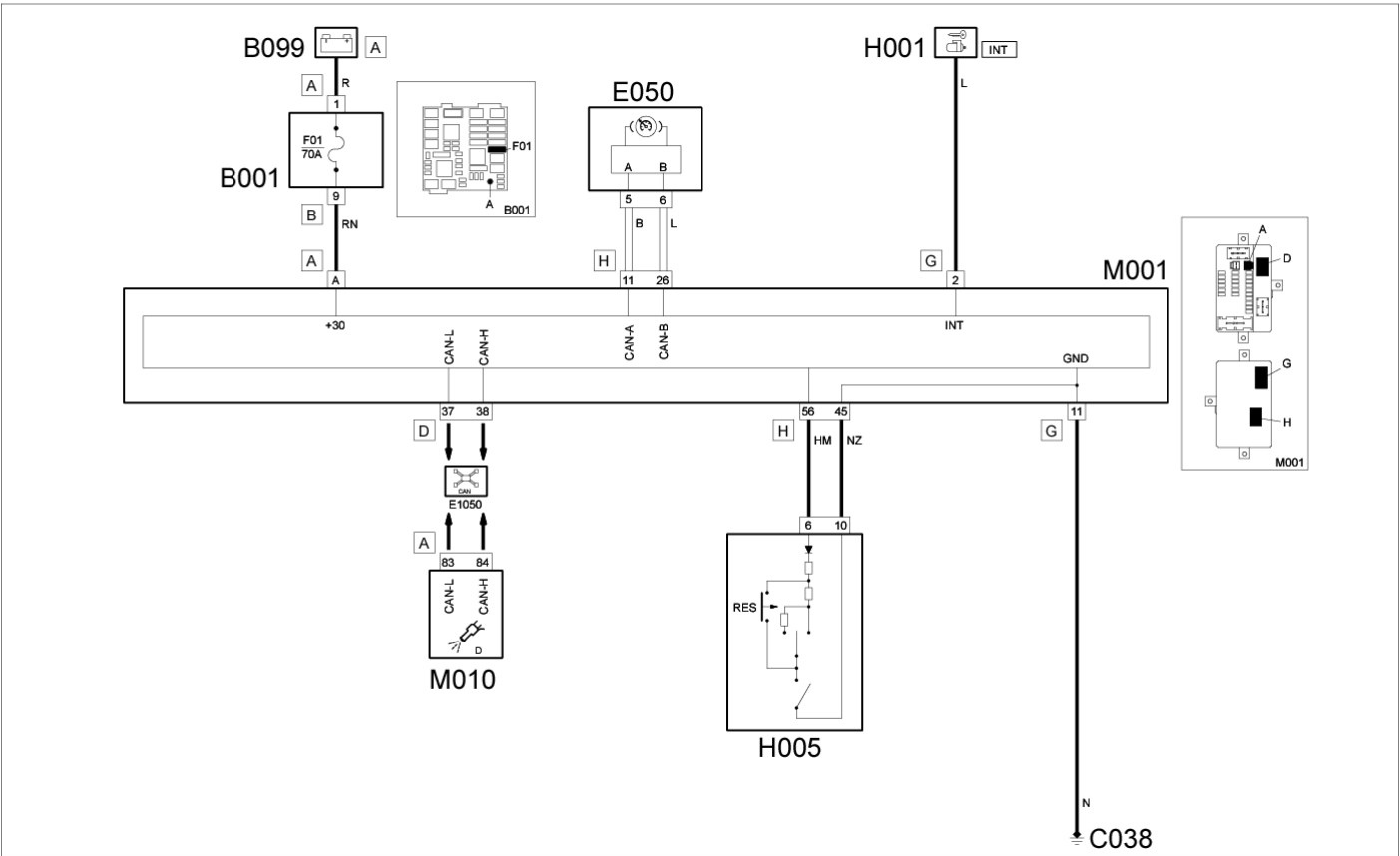
Pin 11 of connector G of M001 provides the Body Computer with a reference earth.

The control unit M010 also uses the "pedal released" signals (N.C. contact) coming from the second brake lights switch contact I030 and the signal coming from the clutch switch I031 to manage the Cruise Control function.

See E5050 DIESEL ENGINES ELECTRONIC MANAGEMENT

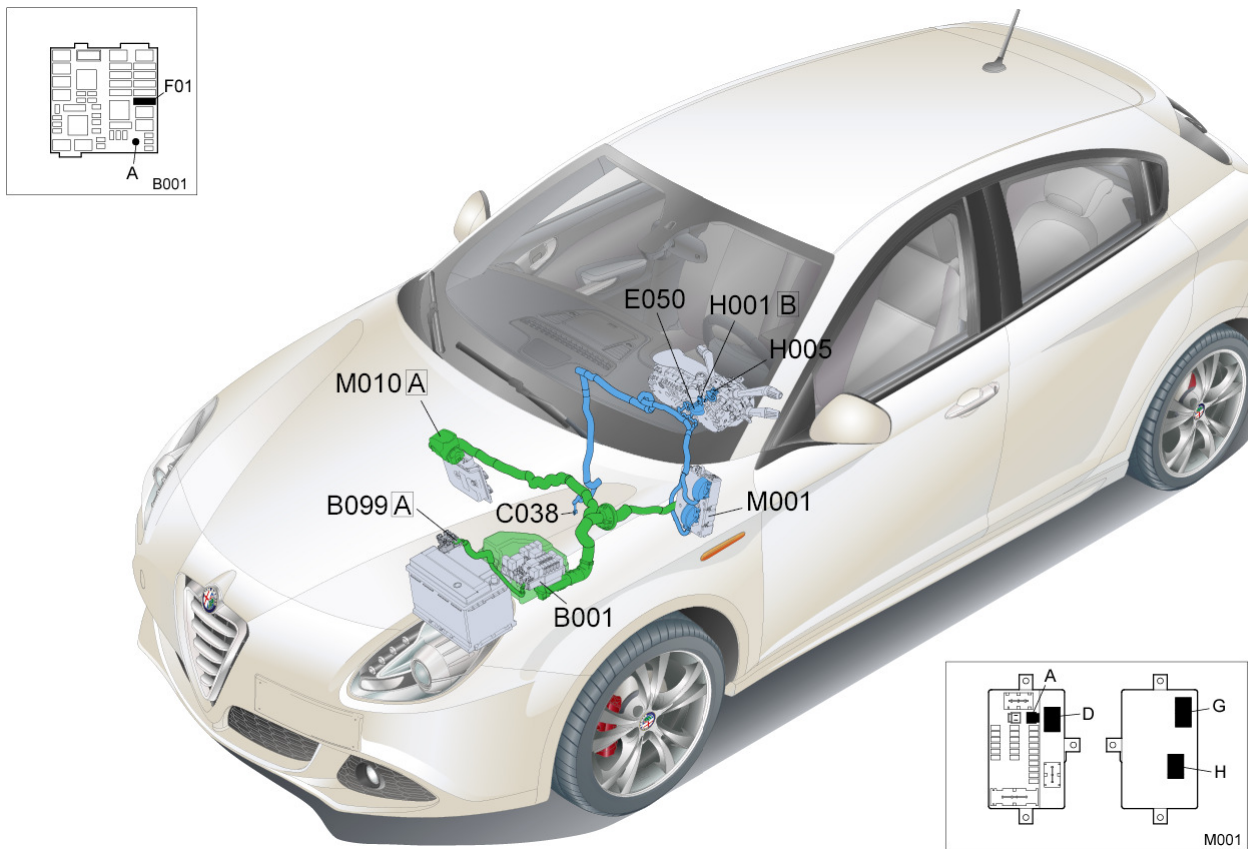
The engine management control unit M010 is connected, via the CAN line, to the Body Computer M001 and the instrument panel E050 to manage the "Cruise Control on" warning light.

CRUISE CONTROL - 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	-
E050	INSTRUMENT PANEL	Op. 5560B10 CONTROL PANEL - R+R
H001	IGNITION SWITCH	Op. 5520A18 IGNITION SWITCH CONTACT CARRIER LOCK BARREL - R.R.
H005	STEERING COLUMN SWITCH UNIT	Op. 5550A10 STALK UNIT ASSEMBLY - R+R
M001	BODY COMPUTER	Op. 5505A35 MAIN BODY COMPUTER/JUNCTION UNIT - R.R.
M010	ENGINE MANAGEMENT CONTROL UNIT	Op. 1060G80 DIESEL ELECTRONIC INJECTION CONTROL UNIT - R.R

CRUISE CONTROL - COMPONENT LOCATION



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M001	BODY COMPUTER	Op. 5505A35 MAIN BODY COMPUTER/JUNCTION UNIT - R.R.
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