



E5060 - 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](#)

FUNCTIONAL DESCRIPTION

The Cruise Control function is managed by engine management control unit M010 upon a request by Cruise Control system control built into steering column stalk H005.

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".

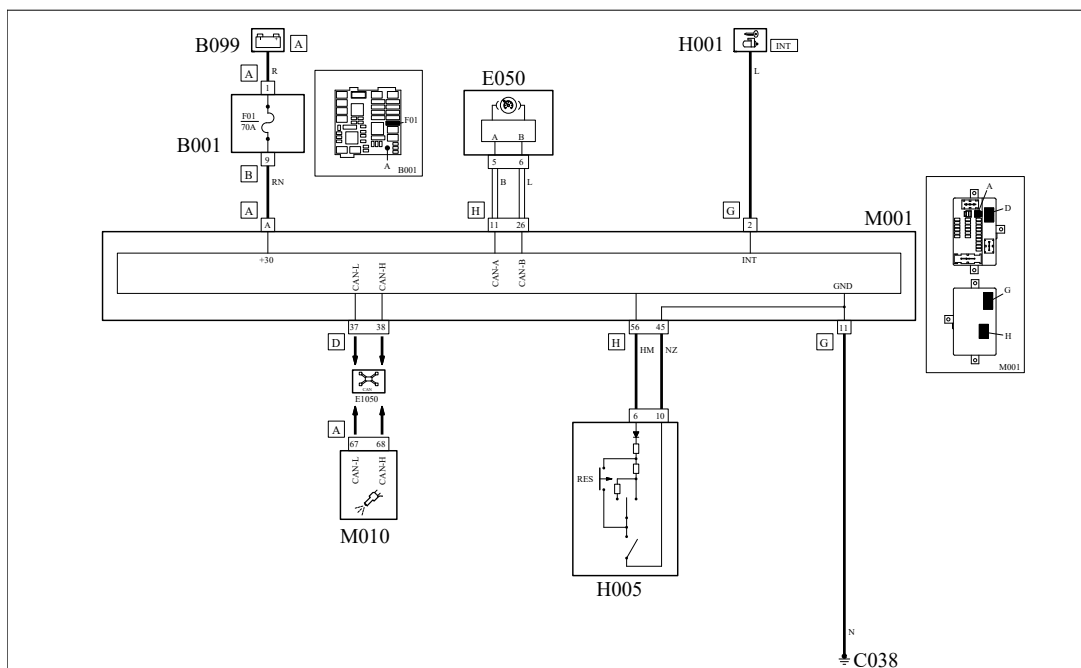
Pin 11 of connector G of M001 provides the Body Computer with a reference earth.

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 E5030 PETROL 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.

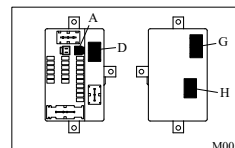
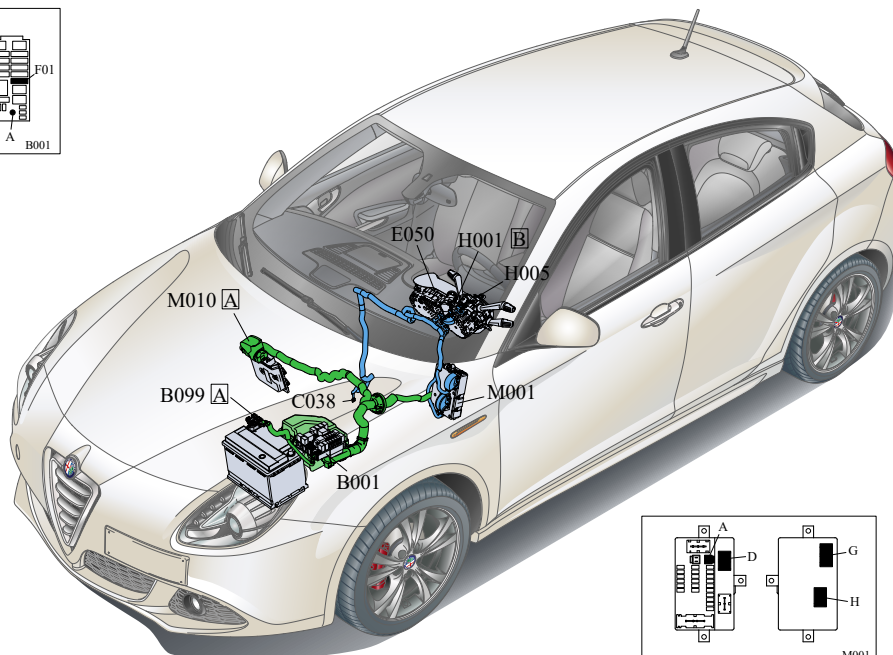
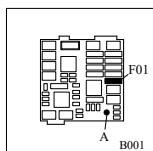
WIRING DIAGRAM



COMPONENTS

COMPONENT CODE	DESCRIPTION	REFERENCE TO THE OPERATION
<u>B001</u>	JUNCTION UNIT	<u>Op. 5505A28 CONTAINER FOR ADDITIONAL JUNCTION UNIT IN ENGINE COMPARTMENT - R.R.</u>
<u>B099</u>	MAXI FUSE BOX ON BATTERY	<u>Op. 5530B40 SUPPLY BOX ON BATTERY (LINK BATTERY AND FUSE BOX) - R R</u>
<u>C038</u>	EARTH ON CENTRE TUNNEL	-
<u>E050</u>	INSTRUMENT PANEL	<u>Op. 5560B10 CONTROL PANEL - R+R</u>
<u>H001</u>	IGNITION SWITCH	<u>Op. 5520A18 IGNITION SWITCH CONTACT CARRIER LOCK BARREL - R.R.</u>
<u>H005</u>	STEERING COLUMN SWITCH UNIT	<u>Op. 5550A10 STALK UNIT ASSEMBLY - R+R</u>
<u>M001</u>	BODY COMPUTER	<u>Op. 5505A35 MAIN BODY COMPUTER/JUNCTION UNIT - R.R.</u>
<u>M010</u>	ENGINE MANAGEMENT CONTROL UNIT	<u>Op. 1056F82 CONTROL UNIT (ONE) FOR INJECTION IGNITION SYSTEM - R.R.</u>

COMPONENT LOCATION



COMPONENT CODE	DESCRIPTION	REFERENCE TO THE OPERATION
<u>B001</u>	JUNCTION UNIT	<u>Op. 5505A28 CONTAINER FOR ADDITIONAL JUNCTION UNIT IN ENGINE COMPARTMENT - R.R.</u>
<u>B099</u>	MAXI FUSE BOX ON BATTERY	<u>Op. 5530B40 SUPPLY BOX ON BATTERY (LINK BATTERY AND FUSE BOX) - R R</u>
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<u>H001</u>	IGNITION SWITCH	<u>Op. 5520A18 IGNITION SWITCH CONTACT CARRIER LOCK BARREL - R.R.</u>
<u>H005</u>	STEERING COLUMN SWITCH UNIT	<u>Op. 5550A10 STALK UNIT ASSEMBLY - R+R</u>
<u>M001</u>	BODY COMPUTER	<u>Op. 5505A35 MAIN BODY COMPUTER/JUNCTION UNIT - R.R.</u>
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