



LUCI ABBAGLIANTI


191 - Giulietta

MAIN BEAM HEADLIGHTS - DESCRIPTION

The vehicle is equipped with two main beam headlamps in the headlights.

The main beam headlamps are switched on from the steering column stalk:

- with the dipped beams on, by pushing the lever towards the dashboard (stable mode)
- in flashing mode, by pulling the lever toward the steering wheel (unstable mode)

 It is not possible to switch on the main beam headlights in fixed mode if the automatic control system is activated by the dusk sensor.

There are two main beam bulbs on versions with gas discharge headlamps: The first traditional (halogen) one comes on in "flashing" mode; when there is a switch from dipped to main beam headlamps, the xenon bulb remains on and a metal screen is moved, by means of a motor, lowered for dipped headlamp operation and raised for main beam headlamp operation.



See descriptions 5540 EXTERIOR LIGHTING

The switching on of the main beam headlamps is managed by the Body Computer.

Activation and/or deactivation information is sent via the CAN: in this way, the "main beam" warning light is activated in the instrument panel.

MAIN BEAM HEADLIGHTS - FUNCTIONAL DESCRIPTION

There is a single (earth) signal sent by the steering column stalk H005 to the Body Computer M001 that manages the main beam headlamps in both fixed and flashing mode: from pin 2 of H005 to pin 43 of connector H of M001; the signal sent is coded by means of resistive dividers so that multiple information can be sent by the steering column stalk to the Body Computer via 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".

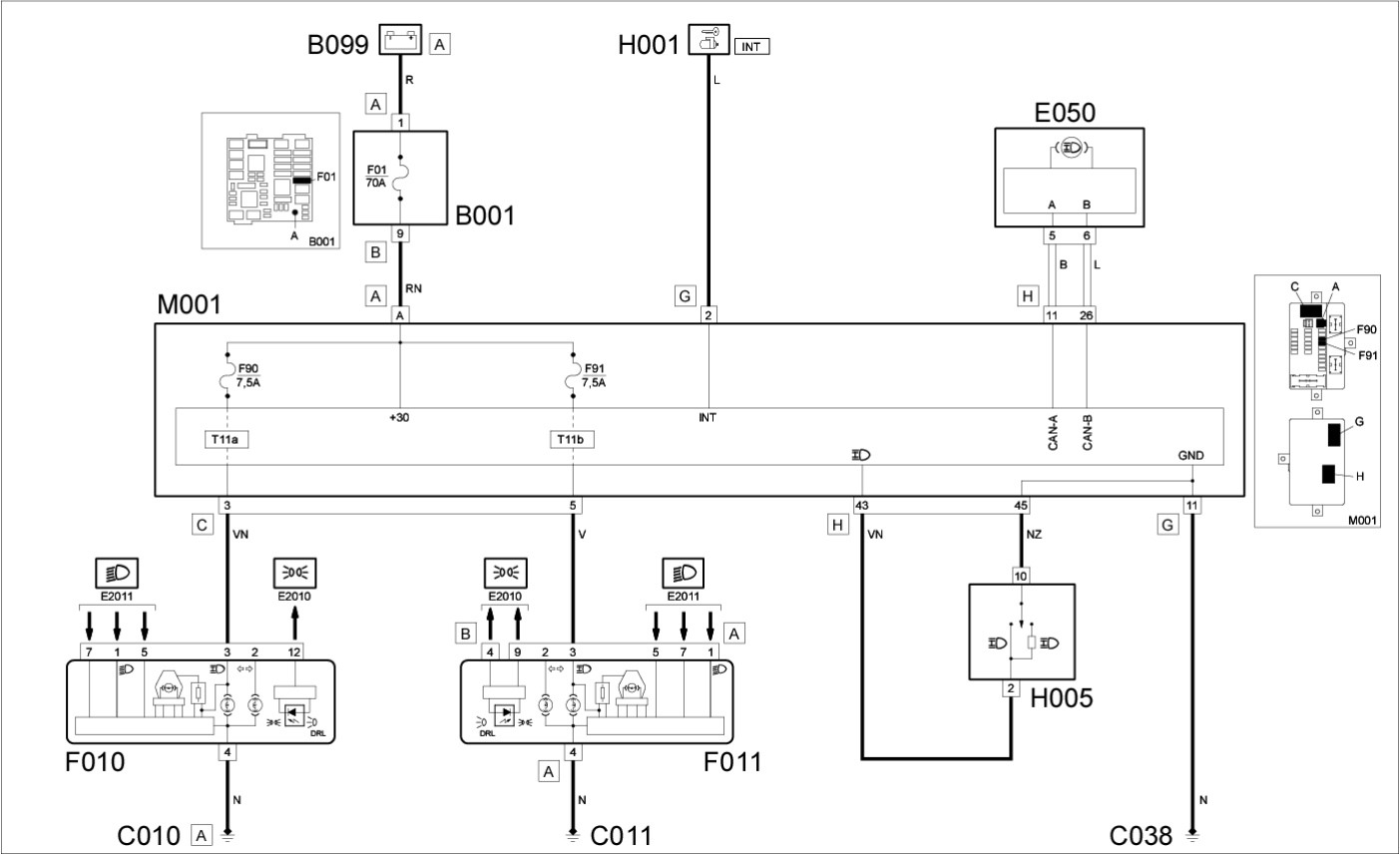
Pin 11 of connector G of M001 provides the Body Computer with a reference earth.

Each circuit is controlled by a relay and protected by a fuse in control unit M001: T11a and F90 for the left headlamp and T11b and F91 for the right one.

The Body Computer M001 controls the power supply for the dipped beam headlamps in the headlights F010 (left) and F011 (right) from pins 3 and 5 of connector C of M001.

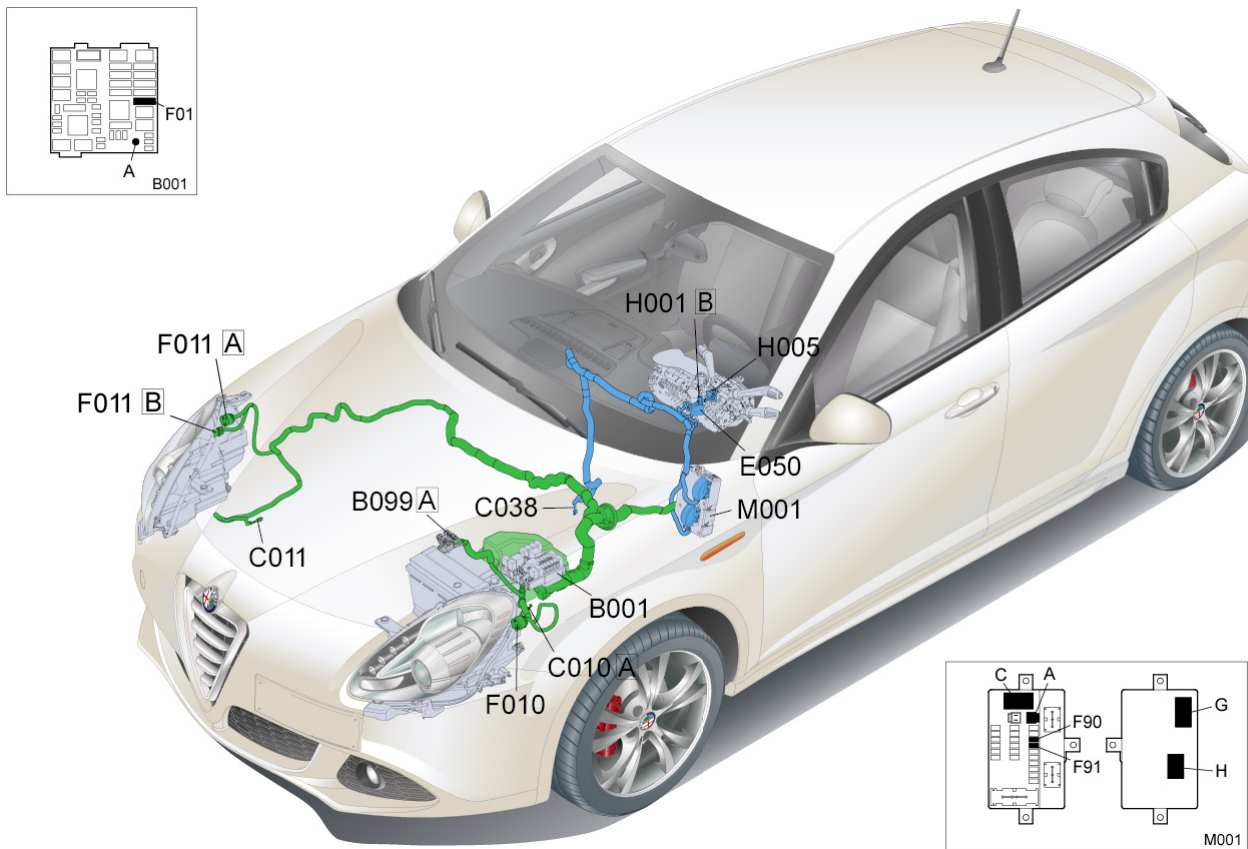
The Body Computer M001 is connected through the CAN line to the instrument panel E050 to manage the "high beam headlights on" warning light.

MAIN BEAM HEADLIGHTS - 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
C010	LEFT FRONT EARTH	-
C011	RIGHT FRONT EARTH	-
C038	EARTH ON CENTRE TUNNEL	-
E050	INSTRUMENT PANEL	Op. 5560B10 CONTROL PANEL - R+R
F010	LEFT HEADLIGHT	Op. 5540B07 LEFT FRONT HEADLAMP - R.R.
F011	RIGHT HEADLIGHT	Op. 5540B08 RIGHT FRONT HEADLAMP - 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.

MAIN BEAM HEADLIGHTS - COMPONENT LOCATION



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
C010	LEFT FRONT EARTH	-
C011	RIGHT FRONT EARTH	-
C038	EARTH ON CENTRE TUNNEL	-
E050	INSTRUMENT PANEL	Op. 5560B10 CONTROL PANEL - R+R
F010	LEFT HEADLIGHT	Op. 5540B07 LEFT FRONT HEADLAMP - R.R.
F011	RIGHT HEADLIGHT	Op. 5540B08 RIGHT FRONT HEADLAMP - 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.