



REGOLATORE ASSETTO FARI

191 - Giulietta

HEADLAMP ALIGNMENT ADJUSTMENT - DESCRIPTION

The adjustment of the headlamp beam according to the load is carried out by means of a special device (located inside the front light cluster) which tilts it appropriately, lowering the light beam if the vehicle is heavily laden and raising it if the load lessens.

Two buttons, located in the controls to the left of the steering wheel, allow the adjustment of the headlight orientation to 4 vertical positions from 0 to 3:

- position 0: one or two persons in the front seats, full fuel tank, fully equipped (vehicle in running order);
- position 1: five persons;
- position 2: five persons with full luggage compartment (about 50 kg);
- position 3: driver and 300 kg load, all stowed in the luggage compartment (full load);

The device is only enabled with the dipped beam headlights on.

The command to turn the dipped beam headlights on - managed by the Body Computer - also supplies the adjustment motors inside the headlamps.

HEADLAMP ALIGNMENT ADJUSTMENT - FUNCTIONAL DESCRIPTION

The dipped beam headlights activation signal is sent to pin 42 of connector H of the Body Computer M001 from the steering column stalk H005.

See E2011 DIPPED HEADLAMPS

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 Body Computer M001 controls the power supply for the dipped beam headlights when it receives an earth signal at pin 42 of connector H of M001; in this way it supplies the dipped beam headlamps for F010 (left) and F011 (right) with the lines controlled by relay switch T01a and protected by fuse F13 of M001.

The supply signal with dipped beam headlights on is sent to 7 of headlamps F010 and F011 and to pin 8 of the instrument panel E050.

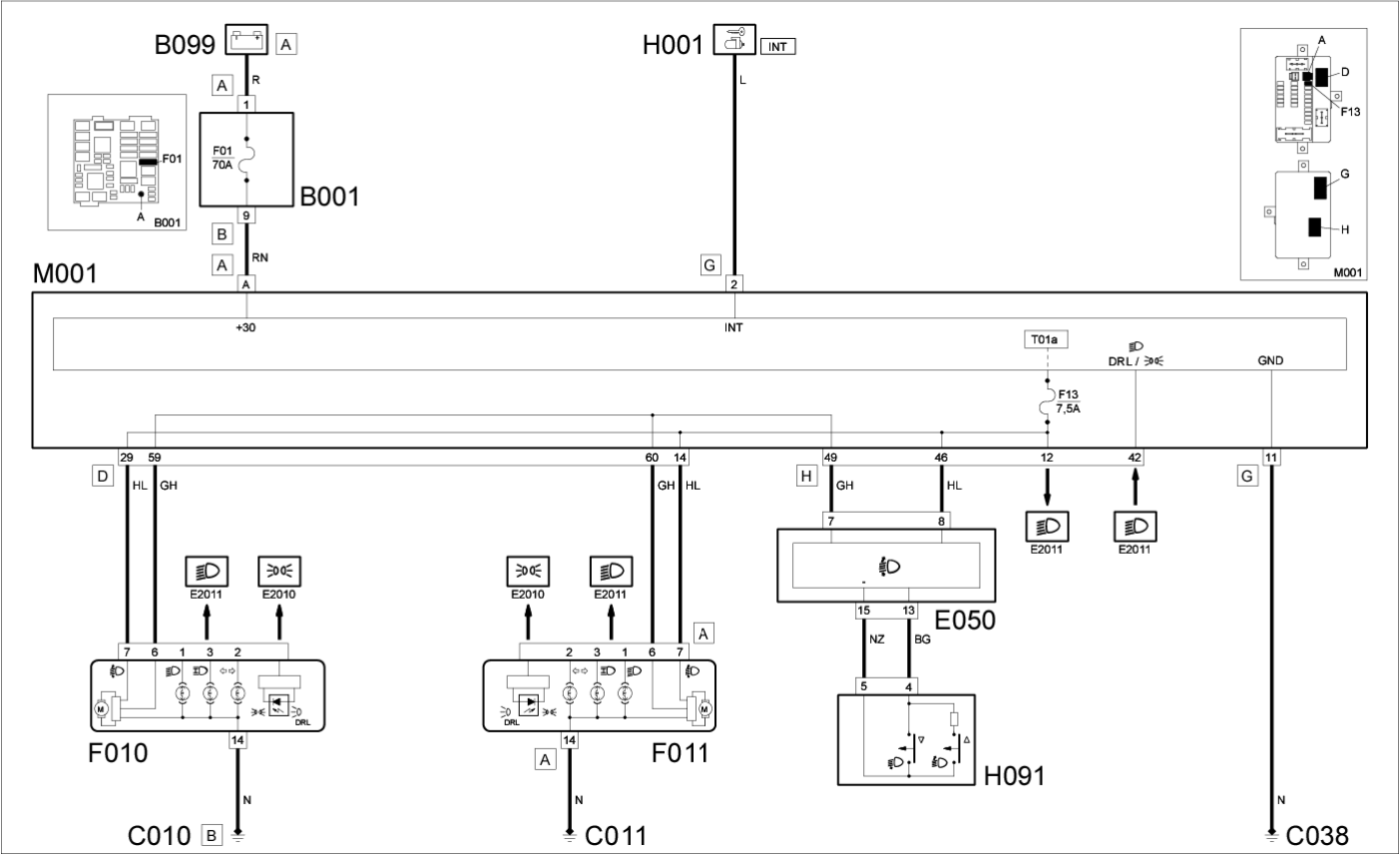
The control for headlamp adjustment is located in the controls to the left of the steering wheel H091.

Pin 5 of H091 receives the reference earth from pin 15 of E050.

The control signal produced by the + and - buttons leaves pin 4 of H091 for the instrument panel E050 - pin 13.

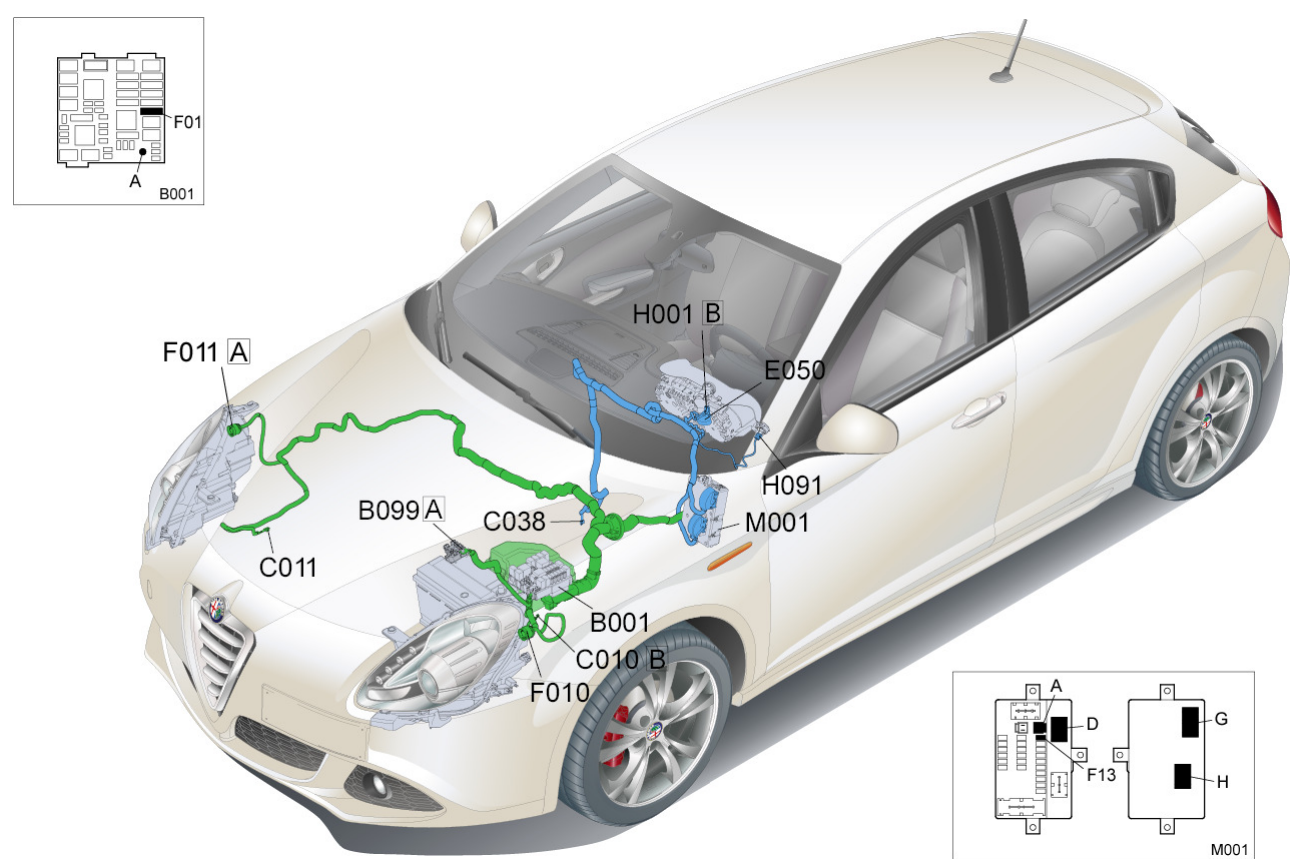
Pin 7 of E050 sends the command for activating the adjustment motors incorporated in the headlights - pin 6 of headlights F10 (left) and F11 (right).

HEADLAMP ALIGNMENT ADJUSTMENT - 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.
H091	LEFT CONTROL UNIT	Op. 7040A82 SWITCH UNIT ON LEFT SIDE OF DASHBOARD - R.R.
M001	BODY COMPUTER	Op. 5505A35 MAIN BODY COMPUTER/JUNCTION UNIT - R.R.

HEADLAMP ALIGNMENT ADJUSTMENT - COMPONENT LOCATION



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E050	INSTRUMENT PANEL	Op. 5560B10 CONTROL PANEL - R+R
F010	LEFT HEADLIGHT	Op. 5540B07 LEFT FRONT HEADLAMP - R.R.
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