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HEADLAMP AGLINMENT CORRECTOR

HEADLIGHT ALIGNMENT ADJUSTMENT - DESCRIPTION

The adjustment of the headlamp light 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.

A special wheel, located in the controls to the left of the steering wheel, allows the adjustment of the headlamps in 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 enabled only with the dipped beams on.

The relay which controls the engagement of the dipped headlamps also supplies the adjustment motors inside the headlamps; this relay for switching the dipped headlamps on is managed by the Body Computer: the relay energizing is activated by TEG inserted (INT) enablement signals and by the steering column switch unit dipped headlamps control.

HEADLIGHT ALIGNMENT ADJUSTMENT - FUNCTIONAL DESCRIPTION

The dipped headlamps activation (earth) signal - and any AUTO function - is sent to pin 2 of connector I and to pin 28 of connector G of the Body Computer M1 from the steering column switch unit H5

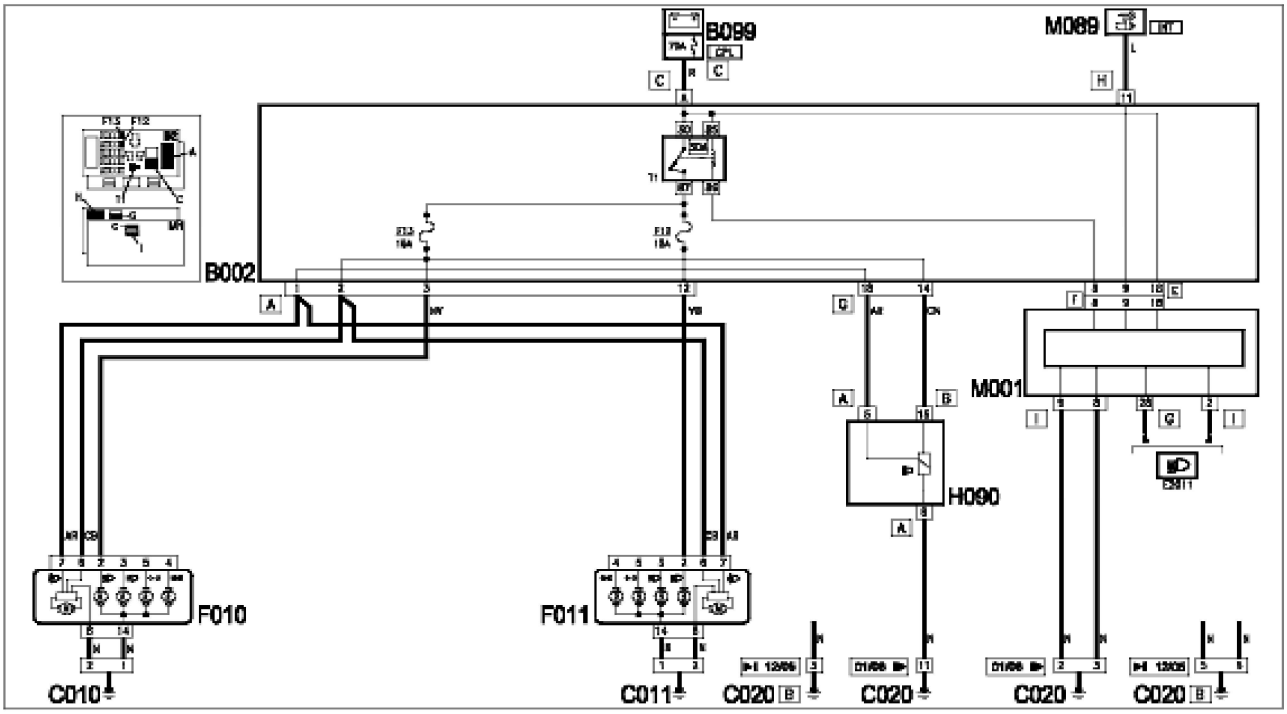
See E2011 DIPPED HEADLAMPS

The Body Computer M1 controls the supply for the dipped headlamps sending an earth signal to relay T1 in the junction unit under the dashboard B2 from pin 8 of connector F of M1 which energizes relay T1: the latter supplies the dipped headlamps - pin 2 for the lamps F10 (left) and F11 (right); at the same time it provides the enablement for the adjustment motors - pin 6 for lamps F10 (left) and F11 (right);

Each circuit is protected by a fuse in the junction unit B2 : F13 for the left headlamp and F12 for the right.

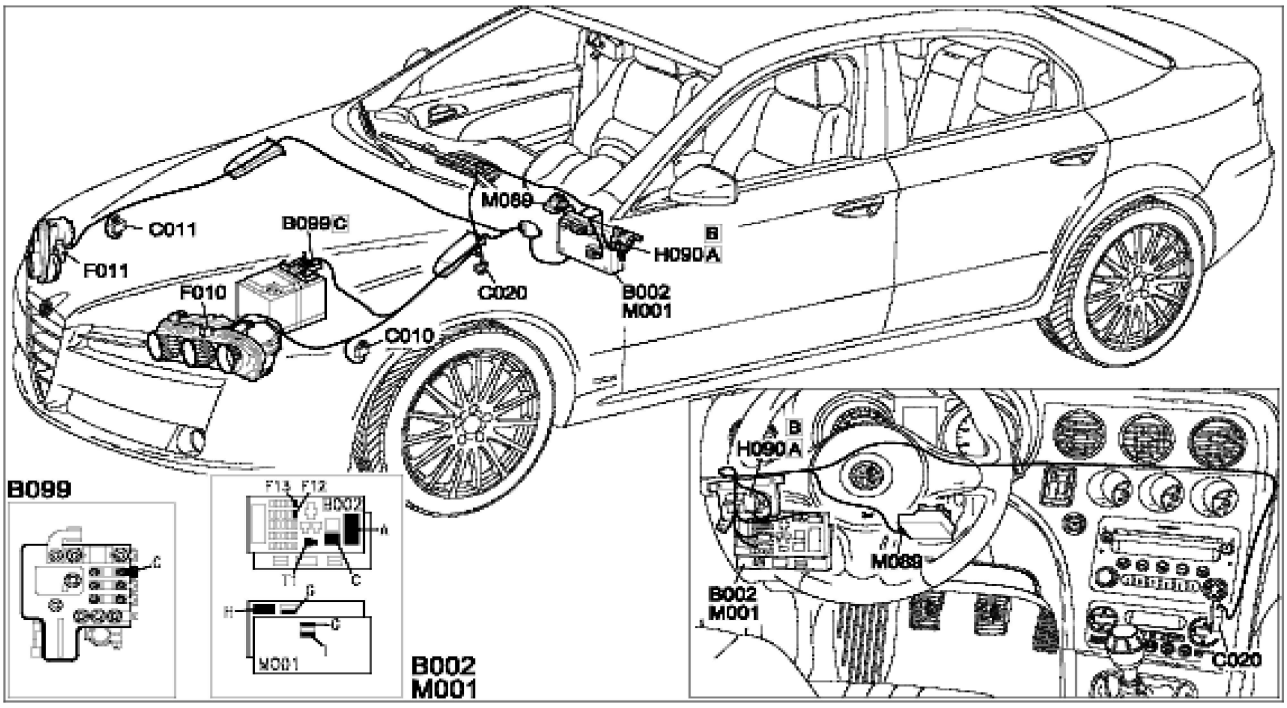
The control for the headlamp adjustment, located in the unit to the left of the steering wheel H90, also receives the enablement supply - pin 5 of connector A, whilst a control signal produced by the adjustment potentiometer - pin 15 of connector B is sent; this control signal "passes through" the junction unit under the dashboard B and activates the adjustment motors built into the headlamps - pin 7 for the (left) lamps F10 and F11 (right).

HEADLIGHT ALIGNMENT ADJUSTMENT - WIRING DIAGRAM



Component code	Description	Reference to the operation
B002	JUNCTION UNIT UNDER DASHBOARD	Op. 5505A35 MAIN BODY COMPUTER/JUNCTION UNIT - R.R.
B099	MAXIFUSE BOX ON BATTERY	Op. 5530B40 SUPPLY BOX ON BATTERY (LINK BATTERY AND FUSE BOX) - R R
C010	LEFT FRONT EARTH	-
C011	RIGHT FRONT EARTH	-
C020	PASSENGER SIDE DASHBOARD EARTH	-
F010	LEFT HEADLAMP	Op. 5540B70 LEFT FRONT LIGHT CLUSTER WITH DIRECTION INDICATOR - R.R.
F011	RIGHT HEADLAMP	Op. 5540B71 RIGHT FRONT LIGHT CLUSTER WITH DIRECTION INDICATOR - R.R.
H090	SWITCH CONTROL PANEL	Op. 7040A56 SWITCH UNIT IN DASHBOARD - R.R.
M001	BODY COMPUTER	Op. 5505A35 MAIN BODY COMPUTER/JUNCTION UNIT - R.R.
M089	STEERING LOCK CONTROL UNIT (NBS)	Op. 5580E17 STEERING LOCK - R.R

HEADLIGHT ALIGNMENT ADJUSTMENT - COMPONENT LOCATION



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