



LUCI FENDINEBBIA

191 - Giulietta

## FOG LIGHTS - DESCRIPTION

The vehicle is equipped with two additional fog lights, located in the front bumper.

The fog lights are activated via the dedicated button on the dashboard control unit. When the lights are on the warning light in the instrument panel switches on.

The switching on of the fog lights is managed by the Body Computer. They are activated by:


- key on MAR enablement signal (INT);
- a control signal coming from the switch;
- the side lights on signal.

If the side lights are turned off, the fog lights are deactivated even if the operating button is pressed. When the side lights are switched on again, the fog lights do not come on automatically, but only when the button is pressed again.

If the key is turned to STOP and then switched back to MAR, the relevant button must be activated again to turn on the fog lights.

## FOG LIGHTS - FUNCTIONAL DESCRIPTION

The (earth) signal activating the fog lights reaches pin 39 of connector H of M001 from the control button in the central control panel H090 - pin 10.

 The connection with the Body Computer for fog light and rear fog light activation signal is the same. They are connected to pin 39 of connector H of M001, but the signal is different because the resistance values in series with the two different switches located in the control panel H090 are different.

The reference earth reaches pin 6 of H090 from pin 36 of connector H of M001.

The fog light activation signal then “returns” from pin 7 of connector H of M001 to the LED on the central control panel H090 - pin 12.

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 side light activation signal is sent to pin 42 of connector H of the M001 from the steering column stalk H005.

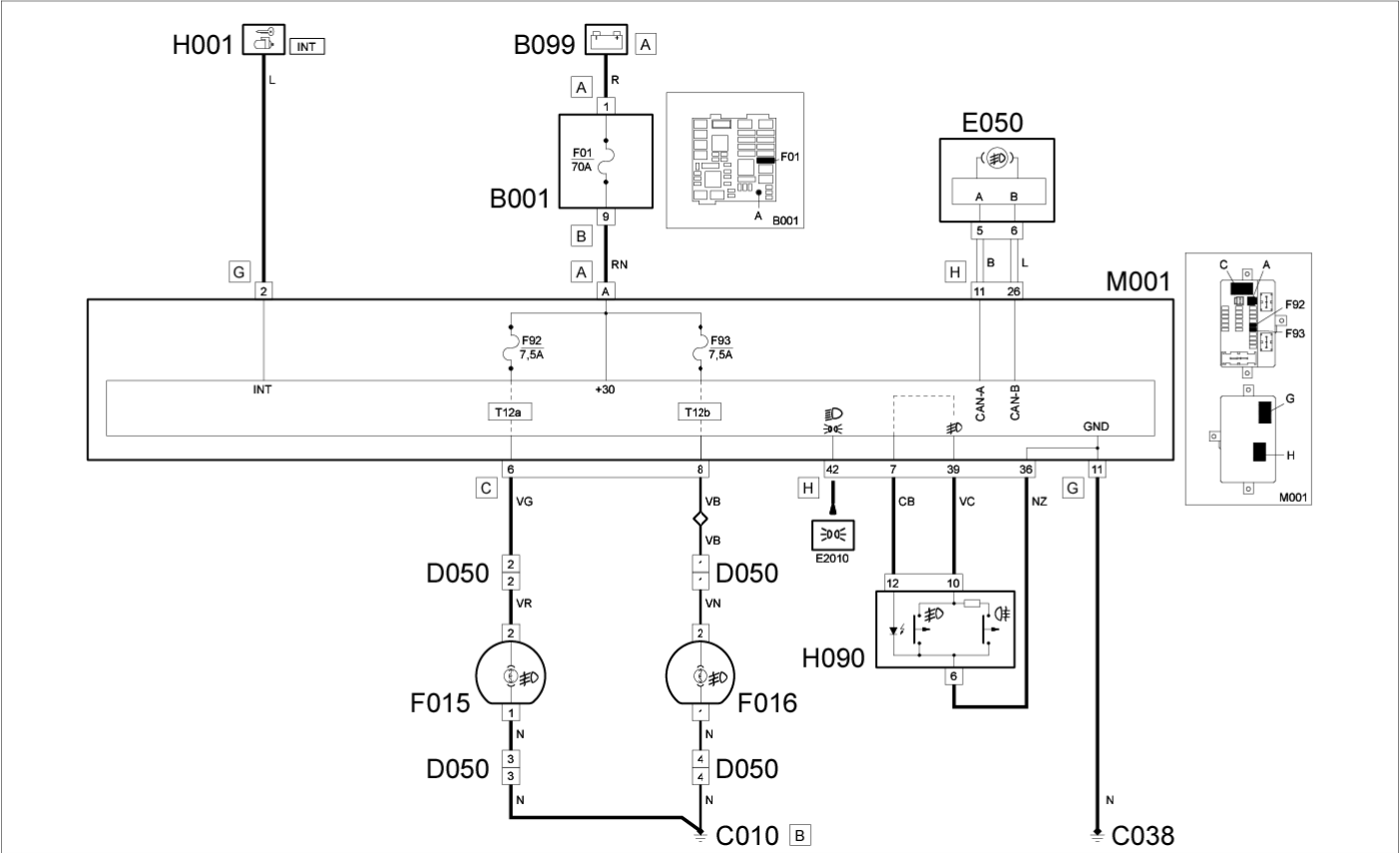
See E2010 SIDE LIGHTS / NO. PLATE LIGHTS

Each circuit is controlled by a relay and protected by a fuse in control unit M001: T12a and F92 for the left headlamp and T12b and F93 for the right one.

The Body Computer M001 controls the power supply for the fog lights in the headlights F015 (left) and F016 (right) from pins 6 and 8 of connector C.

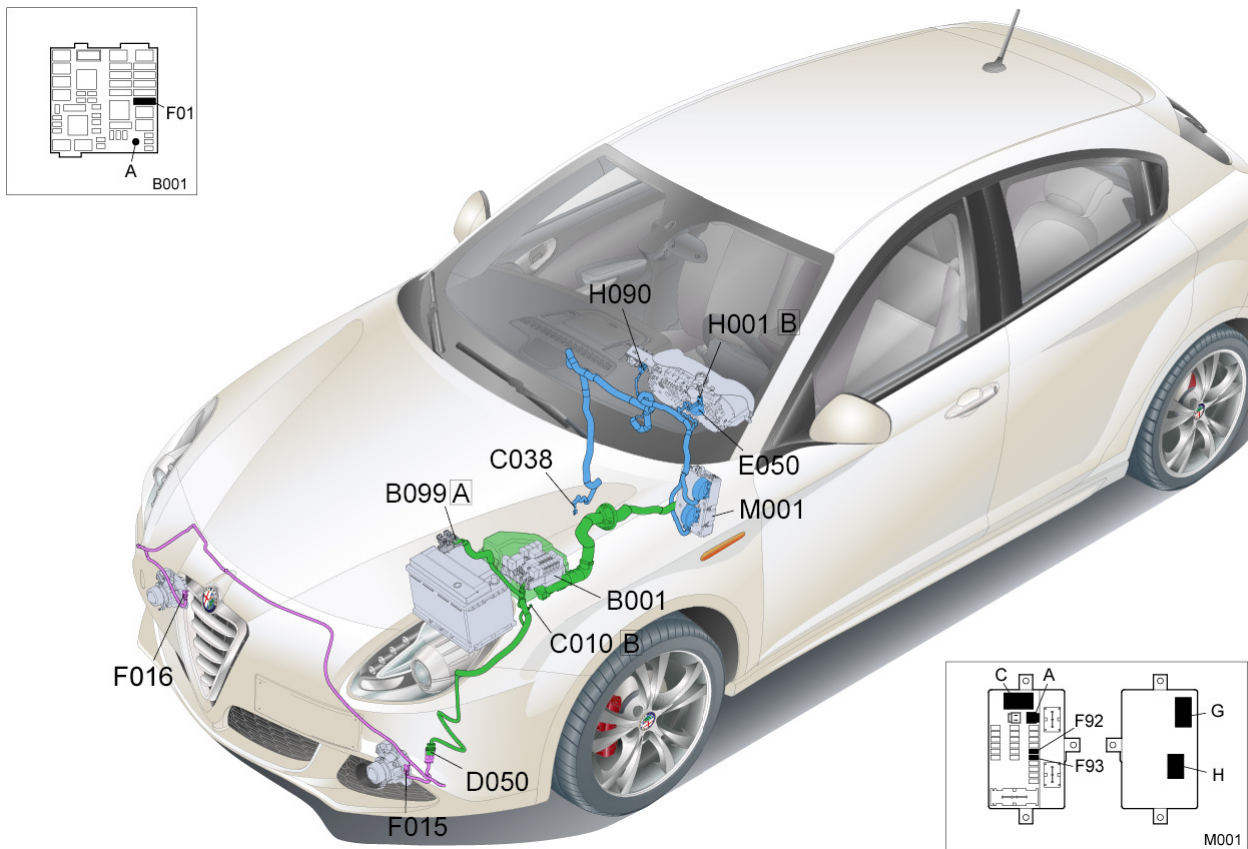
The Body Computer M001 is connected via the CAN line to the instrument panel E050 to manage the "fog lights on" warning light.

FOG LIGHTS - 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	-
C038	EARTH ON CENTRE TUNNEL	-
D050	FRONT FOG LAMP CONNECTION	-
E050	INSTRUMENT PANEL	Op. 5560B10 CONTROL PANEL - R+R
F015	LEFT FOG LAMP	Op. 5540D10 L/H OR R/H FOG LIGHT (ONE) - R+R
F016	RIGHT FOG LAMP	Op. 5540D10 L/H OR R/H FOG LIGHT (ONE) - R+R
H001	IGNITION SWITCH	Op. 5520A18 IGNITION SWITCH CONTACT CARRIER LOCK BARREL - 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.

FOG LIGHTS - COMPONENT LOCATION



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B001	JUNCTION UNIT	Op. 5505A28 CONTAINER FOR ADDITIONAL JUNCTION UNIT IN ENGINE COMPARTMENT - R.R.
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C010	LEFT FRONT EARTH	-
C038	EARTH ON CENTRE TUNNEL	-
D050	FRONT FOG LAMP CONNECTION	-
E050	INSTRUMENT PANEL	Op. 5560B10 CONTROL PANEL - R+R
F015	LEFT FOG LAMP	Op. 5540D10 L/H OR R/H FOG LIGHT (ONE) - R+R
F016	RIGHT FOG LAMP	Op. 5540D10 L/H OR R/H FOG LIGHT (ONE) - R+R
H001	IGNITION SWITCH	Op. 5520A18 IGNITION SWITCH CONTACT CARRIER LOCK BARREL - 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.