



LUCI RETRONEBBIA

191 - Giulietta

## REAR FOG LAMPS - DESCRIPTION

The vehicle is equipped with two very bright red rear fog lights located in the tail-lights, mobile part on the tailgate.

The rear 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 rear fog lamp is managed by the Body Computer; it is activated by:

- key on MAR enablement signal (INT);
- a control signal coming from the switch;
- dipped headlights or fog lights on signal.

If the dipped headlights or the fog lights are turned off, the rear fog lamp is deactivated even if the operating button is pressed. When the lights are switched on again, the rear fog lamp does not come on automatically, but only when the button is pressed again.

If the key is switched off (OFF position) and then switched back to the MAR (ON) position M, the button must be activated again to turn on the fog lights.


The rear fog lamps check function checks that the light is working correctly: the following are checked:

- open circuit or missing bulb
- short circuit to earth (bulb s.c. or wiring s.c. to earth)
- short circuit to battery voltage (wiring short circuited to Vbatt)

When one of the situations described above is verified, the Body Computer makes the failure status available to the CAN: a special "lights failure" warning light switches on in the instrument panel and, at the same time, the information is shown in the display.

## REAR FOG LAMPS - FUNCTIONAL DESCRIPTION

The (earth) signal activating the rear 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 rear fog lamp activation signal then “returns” from pin 60 of connector H of M001 to the LED on the central control panel H090 - pin 2.

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.

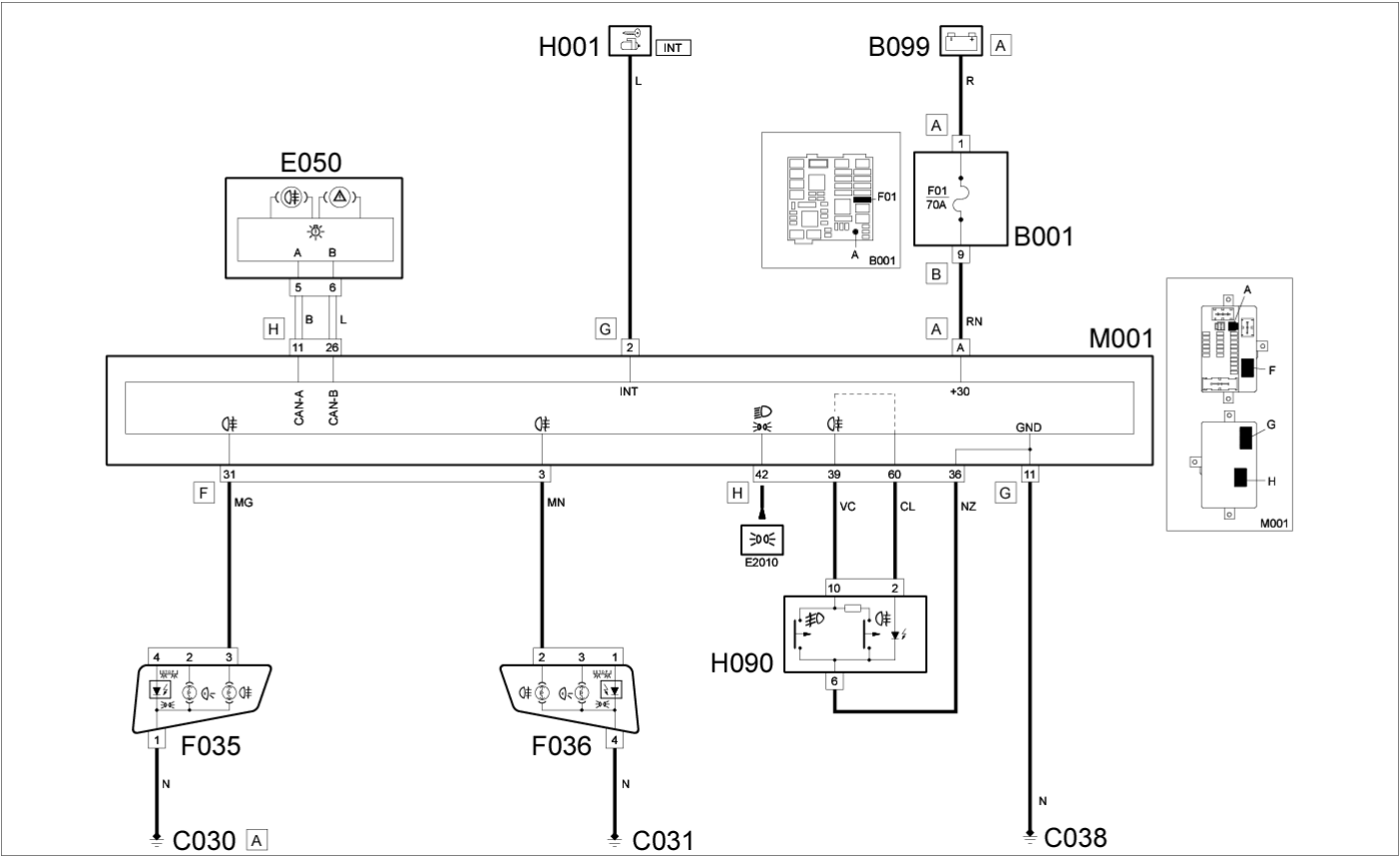
The dipped beam headlight activation signal is sent to pin 42 of connector H of the M001 from the steering column stalk H005.

See E2011 DIPPED HEADLAMPS

The Body Computer M001 controls the power supply to the rear fog lights in the mobile tail-lights F035 (left) and F036 (right) from pins 31 and 3 of connector F.

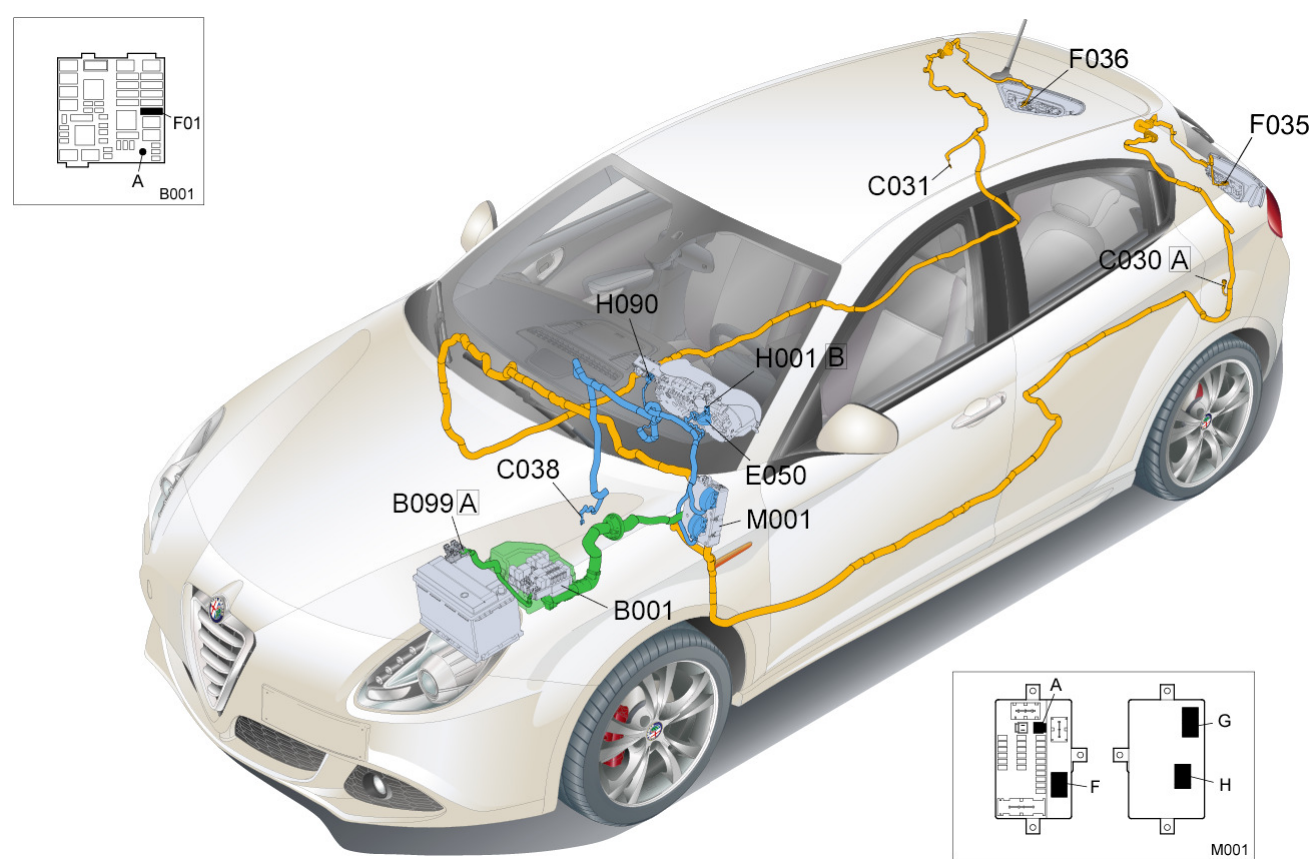
The Body Computer M001 is connected via the CAN line to the instrument panel E050 to manage the "fog lamps on" warning light and the "lights failure" warning light.

REAR FOG LAMPS - 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
C030	LEFT REAR EARTH	-
C031	RIGHT REAR EARTH	-
C038	EARTH ON CENTRE TUNNEL	-
E050	INSTRUMENT PANEL	Op. 5560B10 CONTROL PANEL - R+R
F035	LEFT REAR LIGHT CLUSTER (MOVING SECTION ON BOOT)	Op. 5540A68 INTERIOR REAR LIGHT (ONE), LEFT OR RIGHT - R.R.
F036	RIGHT REAR LIGHT CLUSTER (MOVING SECTION ON BOOT LID)	Op. 5540A68 INTERIOR REAR LIGHT (ONE), LEFT OR RIGHT - 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.

REAR FOG LAMPS - COMPONENT LOCATION



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