



LUCI RETRONEBBIA

356 - Tipo

## REAR FOG LAMPS - DESCRIPTION

The vehicle is equipped with two extra-bright red rear fog lights located at the rear in the side light clusters.

The rear fog lights are activated via the dedicated button on the left unit. When the lights are on the warning light on the instrument panel also switches on.

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

- an ignition key to MAR-ON enablement signal (INT);
- side lights/tail lights and dipped beam headlights on;
- fog lights on;
- control signal from the button.

The rear fog lights are automatically switched off even if the operating button is pressed if the side lights/tail lights and dipped beam headlights or the fog lights are switched off. When the side lights/tail lights and dipped beam headlights or fog lights are switched on again, the rear fog lights will come on only when the button is pressed again and not automatically.

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

The correct operation of the lights is controlled by the fog light check function carried out by the Body Computer; the following are monitored:

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

The Body Computer makes the failure status available on the CAN when one of the situations described above occurs: the information is shown on the instrument panel on the display by means of the "external light failure" icon and respective messages.

## REAR FOG LAMPS - FUNCTIONAL DESCRIPTION

The rear fog light activation button, located on the left switch control panel H091, receives (pin 1) a reference earth from pin 51 of connector H of Body Computer M001 and sends (pin 7) the function activation signal to pin 10 of the same connector.

The Body Computer receives a single activation signal for fog lights and rear fog lights from the left control panel: this signal is coded by a special resistive divider, so that various information can be sent from the control panel to the Body Computer with a single connection.

See E2030 FOG LIGHTS

Body Computer M001 receives direct battery power supply (pin A of connector A) protected by fuse F01 of the engine compartment junction unit B001 (pin 9 of connector B); it also receives key-on power supply ("INT") at pin 12 of connector H.

Body Computer M001 is also connected to the driver's dashboard earth C015 via pins 1 and 11 of connector G.

The side lights/tail lights and 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 E2010 SIDE LIGHTS / NO. PLATE LIGHTS

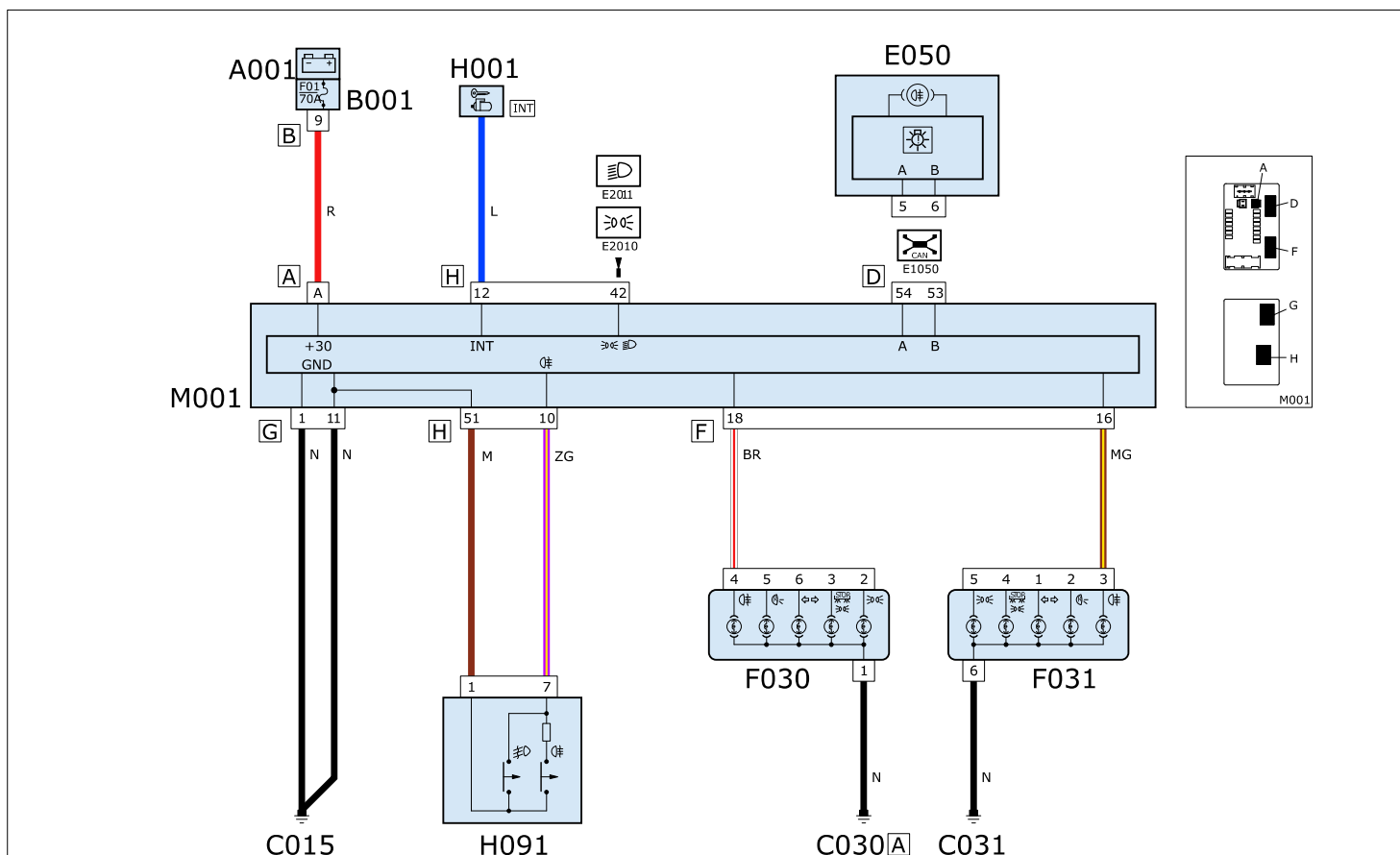
See E2011 DIPPED HEADLAMPS

Body Computer M001 controls the power supply to the reversing lights in the rear left F030 (pin 4) and right F031 (pin 3) headlights, from pins 18 and 16 of connector F respectively.

The left F030 (pin 1) and right F031 (pin 6) rear light clusters are connected to the rear left earth C030 (connector A) and to the right rear earth C031, respectively.

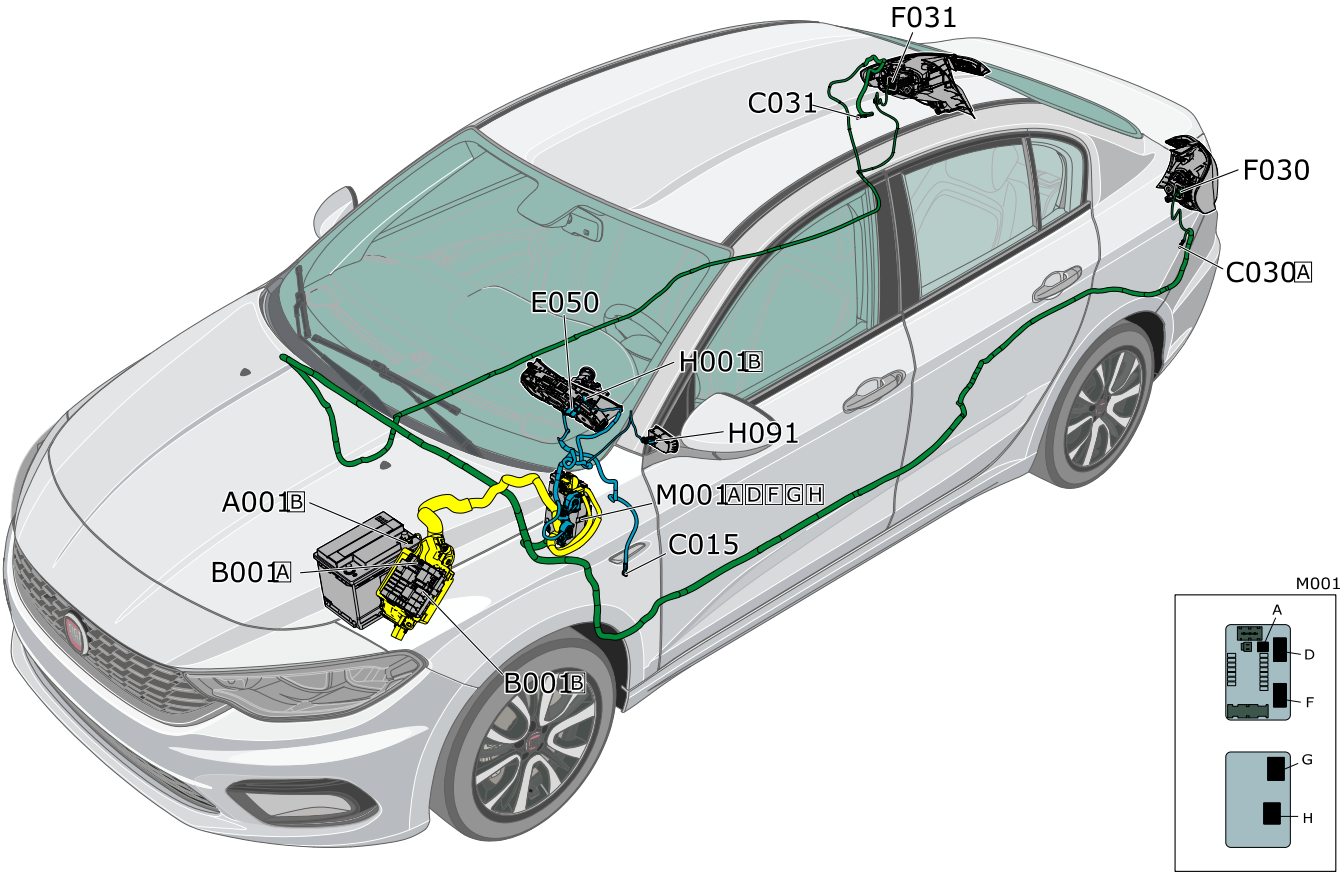
Body Computer M001 is connected, via the B-CAN line, from pins 54 and 53 of connector D, to instrument cluster E050 (pins 5 and 6) to manage the "rear fog light" warning light. If faults are detected in the circuit, the "external light fault" warning light comes on and the relevant messages are shown on the display.

# REAR FOG LAMPS - WIRING DIAGRAM



| Component code | Name                           | Reference to the Operation                                 |
|----------------|--------------------------------|--|
| A001           | BATTERY                        | Op. 5530B10 BATTERY - R+R                                  |
| B001           | JUNCTION UNIT                  | -  |
| C015           | DASHBOARD EARTH, DRIVER'S SIDE | -  |
| C030           | LEFT REAR EARTH                | -  |
| C031           | RIGHT REAR EARTH               | -  |
| E050           | INSTRUMENT PANEL               | Op. 5560B10 CONTROL PANEL - R+R                            |
| F030           | LEFT REAR LIGHT CLUSTER        | Op. 5540A44 REAR LIGHT CLUSTER (ONE), LEFT OR RIGHT - R.R. |
| F031           | RIGHT REAR LIGHT CLUSTER       | Op. 5540A44 REAR LIGHT CLUSTER (ONE), LEFT OR RIGHT - R.R. |
| H001           | IGNITION SWITCH                | Op. 5520A10 IGNITION SWITCH ASSEMBLY - R+R                 |
| H091           | LEFT CONTROL UNIT              | Op. 7040A82 SWITCH UNIT ON LEFT SIDE OF DASHBOARD - R.R.   |
| M001           | BODY COMPUTER                  | Op. 5505A32 BODY COMPUTER - R.R                            |

REAR FOG LAMPS - COMPONENT LOCATION



| Component code | Name                           | Reference to the Operation                                 |
|----------------|--------------------------------|--|
| A001           | BATTERY                        | Op. 5530B10 BATTERY - R+R                                  |
| B001           | JUNCTION UNIT                  | -  |
| C015           | DASHBOARD EARTH, DRIVER'S SIDE | -  |
| C030           | LEFT REAR EARTH                | -  |
| C031           | RIGHT REAR EARTH               | -  |
| E050           | INSTRUMENT PANEL               | Op. 5560B10 CONTROL PANEL - R+R                            |
| F030           | LEFT REAR LIGHT CLUSTER        | Op. 5540A44 REAR LIGHT CLUSTER (ONE), LEFT OR RIGHT - R.R. |
| F031           | RIGHT REAR LIGHT CLUSTER       | Op. 5540A44 REAR LIGHT CLUSTER (ONE), LEFT OR RIGHT - R.R. |
| H001           | IGNITION SWITCH                | Op. 5520A10 IGNITION SWITCH ASSEMBLY - R+R                 |
| H091           | LEFT CONTROL UNIT              | Op. 7040A82 SWITCH UNIT ON LEFT SIDE OF DASHBOARD - R.R.   |
| M001           | BODY COMPUTER                  | Op. 5505A32 BODY COMPUTER - R.R                            |