



LUCI POSIZIONE / TARGA

150 - 500

## SIDE LIGHTS/NUMBER PLATE LIGHT - DESCRIPTION

The front external vehicle lights feature two additional light units in which the following are available:

- daylight lights (D.R.L.);
- side lights (parking);
- main beam headlamps.

See E2012 MAIN BEAM HEADLAMPS

The daylight lights (D.R.L.) are only switched on by the enablement signal with the key in the MAR position. They are therefore not activated by any control on the steering wheel interface lever; their activation is managed by the Body Computer and can be excluded via the special command in the Set-up menu on the instrument panel.

To activate the side lights, turn the special wheel on the left-hand steering wheel interface lever.

The wheel only has one position and this also activates the dipped beam lights in the main headlamps.

See E2011 DIPPED HEADLAMPS

The daylight lights are simultaneously deactivated.

The side lights command function is activated by enablement signals from the ignition switch with the key inserted and turned to MAR, and from the steering wheel interface control: the four side lights are supplied in this way.

Their activation is also managed by the Body Computer.

For the parking lights and Follow Me Home functions the side lights control is active with the key turned to STOP.

The two number plate lights (built into the unit that also includes the boot opening switch) and numerous other interior lights for lighting up the passenger compartment, instruments and controls come on together with the side lights.

See E2530 INSTRUMENT LIGHTING

The side lights activation and/or deactivation information is sent by the Body Computer, via the CAN, to the instrument panel for the management of the side lights warning light.

The parking lights function makes it possible to switch on the side lights and the number plate lights with the ignition key turned to STOP or removed, to signal the presence of the vehicle whilst it is parked. Activation can only be achieved by rotating the lighting control wheel on the steering wheel interface.

If the steering column switch unit left-hand lever is operated (in the same way as for activating the direction indicators) it is possible to choose whether to turn on the side lights on both sides of the vehicle (lever in middle position) or only those on one side (lever downwards to select the left side, lever upwards to select the right side).

The function is deactivated by moving the steering wheel interface lighting control wheel to the OFF position or bringing the ignition key to the MAR position. This last operation resets the function: the Body Computer automatically controls the activation of the daylight lights or, if the control on the steering wheel interface control wheel is active, the side/number plate lights.

The Follow me home function allows the dipped headlights and the side lights to remain on even after the engine has been switched off (key in STOP position or removed) for a period of 30 seconds or multiples thereof allowing the area in front of the vehicle to be illuminated.

This function can be activated by pulling the left-hand lever of the steering wheel interface towards the steering wheel (flash main beams), within two minutes of switching off the engine.

This causes the front lights to come on for 30 seconds, a time which can be prolonged by 30 seconds each time the lever is activated, up to a maximum of 210 seconds.

When this time is up the lights automatically switch off.

When the lever is pulled the side lights warning light comes on in the instrument panel and a message appears on the display for the duration of the function. The warning light comes on when the stalk is pulled for the first time and stays lit until the function switches itself off automatically. Each time the lever is activated the time the lights are on increases.

Keep the stalk pulled towards the steering wheel for more than 2 seconds in order to manually interrupt the function.

The correct operation of the daylight lights and side and number plate lights is checked by the check function carried out by the Body Computer. The following are checked:

- 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).

When one of the above situations occurs, the Body Computer makes the fault status available via the CAN network: a special general failure warning light comes on in the instrument panel and, at the same time, the information is shown in the display.

The engagement of the side lights enables the switching on of the fog lights using the special control in the centre panel.

See E2030 FOG LIGHTS

If the daylight lights or side/number plate lights were already activated during start-up (INT/A), they are temporarily excluded. When the key is next brought to the MAR position, the lights are activated once again.

## SIDE LIGHTS/NUMBER PLATE LIGHT - FUNCTIONAL DESCRIPTION

The daylight lights (D.R.L.) built into the left-hand F069 and right-hand F070 additional headlamps (pin 3) are activated from pins 28 and 13 of connector B of Body Computer M001 respectively when the latter receives an ignition-operated power supply (INT) at pin 11 of connector E.

Body Computer M001 also receives a direct battery power supply (pin 1 of connector A) protected by fuse F01 in engine compartment junction unit B001 (pin 18 of connector B).

Body Computer M001 is connected to driver-side dashboard earth C015 via pins 9 and 10 of connector E.

The activation control for the side/number plate lights via the left-hand lever control wheel on steering wheel interface H005, receives a reference earth at pin 2 of connector B of the steering wheel interface.

Body Computer M001 (pin 51 of connector D) receives the side/number plate lights activation command from steering wheel interface H005 (pin 7 of connector B).

Body Computer M001 controls the activation of the side lights; in particular:

- from pin 29 of connector B, for left-hand additional headlamp F069 (pin 6);
- from pin 30 of connector B, for right-hand additional headlamp F070 (pin 6);
- from pin 20 of connector F, for left-hand rear light cluster F030 (pin 5);
- from pin 5 connector F, for right-hand rear light cluster F031 (pin 1);
- from pin 15 of connector F, for left and right-hand number plate lights built into no. plate light and boot opening external switch unit F055 (pin 1).

Additional headlamps F069 and F070 are connected to left-hand front earth C010.

Rear light clusters F030 and F031 and no. plate light unit F055 are connected to left-hand rear earth C030.

Body Computer M001 receives an ignition-operated (INT/A) power supply that excludes the daylight lights and side/number plate lights during start-up, at pin 1 of connector E.

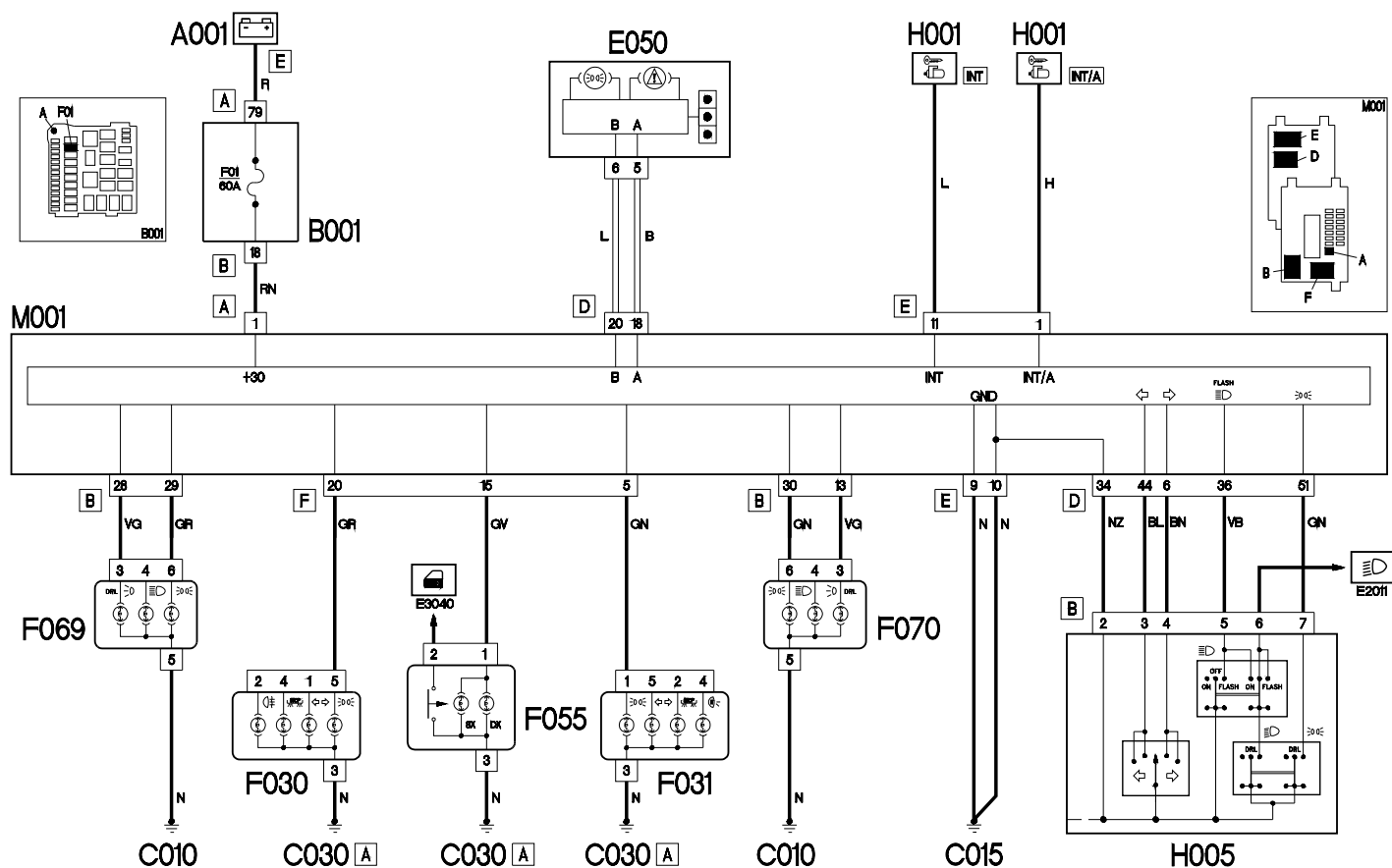
The connection between pins 3 and 4 of connector B of steering wheel interface H005 and pins 44 and 6 of connector D of Body Computer M001 (indicator lights) allows one branch of the vehicle parking lights to be individually selected (left or right respectively).

The Follow me home function is activated by a main beam flasher earth signal sent from steering wheel interface H005 (pin 5 of connector B) to Body Computer M001 (pin 36 of connector D).

Body Computer M001 is connected to instrument panel E050 (pins 5 and 6) via the B-CAN from pins 18 and 20 of connector D, to manage the side lights warning light and the general failure warning light and associated messages on the display in the event of faults detected in the daylight lights and side/number plate lights circuits.

The daylight lights function can be deactivated by operating the buttons to the right of the instrument panel using the special Set-up menu on the instrument panel display.

# SIDE LIGHTS/NUMBER PLATE LIGHT - WIRING DIAGRAM



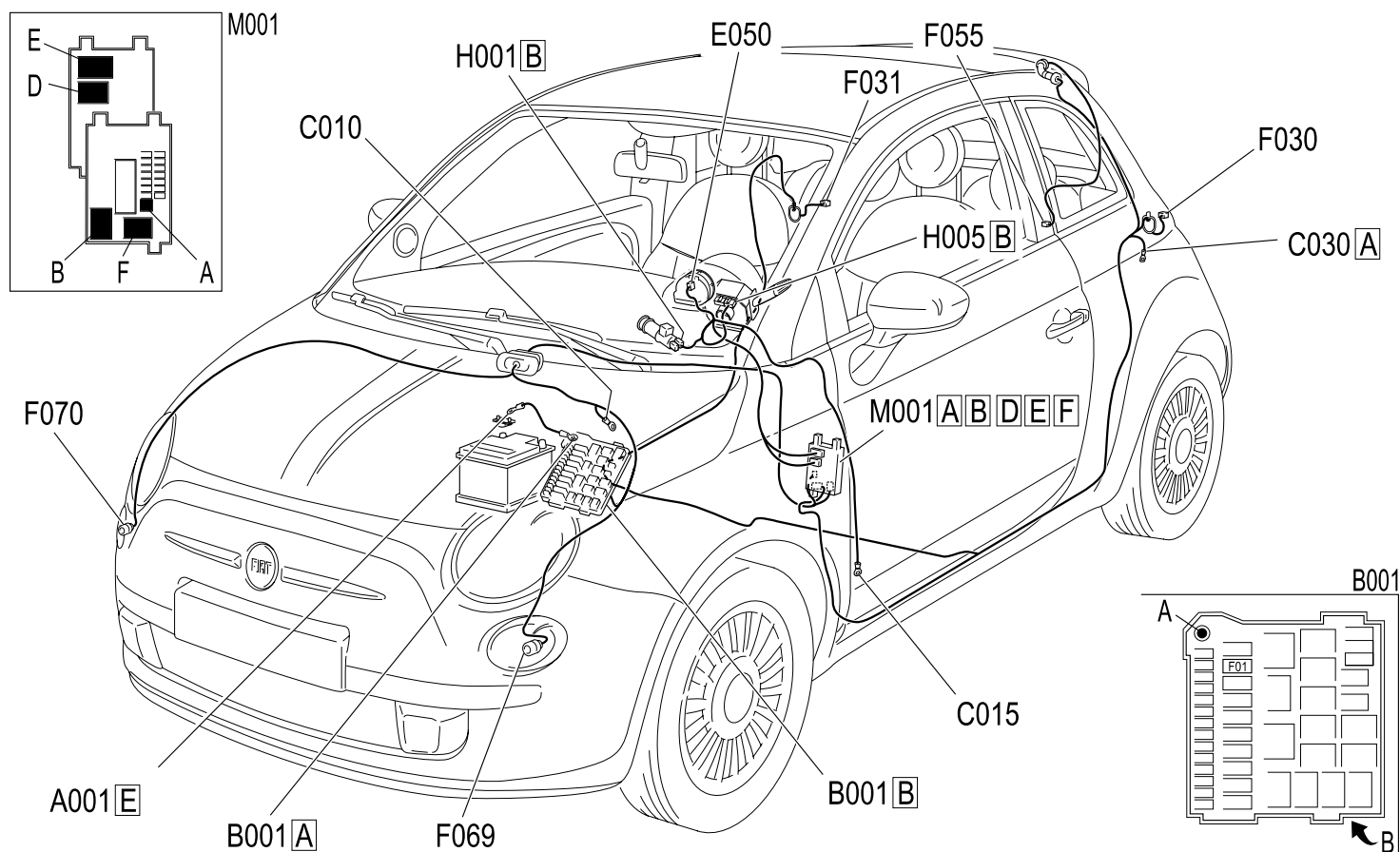
## Component Code

## Description

## Reference to the operation

A001	BATTERY	Op. 5530B10 BATTERY - R+R
B001	JUNCTION UNIT	Op. 5505A10 JUNCTION UNIT - R+R
C010	LEFT FRONT EARTH	-
C015	DASHBOARD EARTH, DRIVER'S SIDE	-
C030	LEFT 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.
F055	No. plate lights and external boot opening switch	Op. 7015B30 EXTERIOR HANDLE OR LOCK BARREL - R+R WITH PANEL/PROTECTION REMOVED
F069	LEFT ADDITIONAL LAMP	Op. 5540B10 EXTERIOR LIGHT DIMMER RESISTOR - R+R
F070	RIGHT ADDITIONAL LAMP	Op. 5540B10 EXTERIOR LIGHT DIMMER RESISTOR - R+R
H001	IGNITION SWITCH	Op. 5520A10 IGNITION SWITCH ASSEMBLY - R+R
H005	STEERING COLUMN SWITCH UNIT	Op. 5550A10 STALK UNIT ASSEMBLY - R+R
M001	BODY COMPUTER	Op. 5505A32 BODY COMPUTER - R.R.

# SIDE LIGHTS/NUMBER PLATE LIGHT - COMPONENT LOCATION



Component Code	Description	Reference to the operation
A001	BATTERY	Op. 5530B10 BATTERY - R+R
B001	JUNCTION UNIT	Op. 5505A10 JUNCTION UNIT - R+R
C010	LEFT FRONT EARTH	-
C015	DASHBOARD EARTH, DRIVER'S SIDE	-
C030	LEFT 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.
F055	No. plate lights and external boot opening switch	Op. 7015B30 EXTERIOR HANDLE OR LOCK BARREL - R+R WITH PANEL/PROTECTION REMOVED
F069	LEFT ADDITIONAL LAMP	Op. 5540B10 EXTERIOR LIGHT DIMMER RESISTOR - R+R
F070	RIGHT ADDITIONAL LAMP	Op. 5540B10 EXTERIOR LIGHT DIMMER RESISTOR - R+R
H001	IGNITION SWITCH	Op. 5520A10 IGNITION SWITCH ASSEMBLY - R+R
H005	STEERING COLUMN SWITCH UNIT	Op. 5550A10 STALK UNIT ASSEMBLY - R+R
M001	BODY COMPUTER	Op. 5505A32 BODY COMPUTER - R.R.