



E2510 - COURTESY LIGHTS

DESCRIPTION

The front courtesy light includes two lamps with corresponding control buttons: the buttons can be used to turn on the corresponding light directly or in a timed manner, as described below.

The rear courtesy light include a lamp and a control button. This light can be switched on directly by pressing the clear button or in a timed manner, as described below.

The courtesy light operation is timed according to a logic managed by the Body Computer.

- when any of the doors is opened, the lights switch on for 3 minutes; the timer is reactivated whenever the door is opened;
- when all the doors are closed, the lights stay on for a further 10 seconds with key off. This time is interrupted if the key is moved to the key on position: in this case, the courtesy lights are turned off immediately.
- when all the doors are closed at key-on the lights are immediately switched off.
- when the key is extracted (or within 2 minutes of the engine being switched off) the lights switch on and there is a timed delay of 10 seconds.
- all the lights are switched off at the door lock command;
- at the door unlocking command, all the lights are switched on and a 10 second timer is activated.

The power supply for all the courtesy lights follows the battery voltage control logic (SBMT): with the key on STOP, when any door or the boot is opened, a time of 15 seconds is set. After this, all the courtesy lights are deactivated.

If one or more doors are open, this is shown on the instrument panel display; the warning light remains on until all the vehicle doors and boot lid are properly shut. If a given speed limit is exceeded, this is also signalled by means of a buzzer.

FUNCTIONAL DESCRIPTION

The Body Computer M001 receives "door open" input signals at pin 50 (driver's front door), pin 51 (passenger front door), pin 36 (rear left door) and pin 33 (rear right door) of connector F of M001.

The front courtesy light G010 is supplied by the "SBMT" line protected by fuse F32 in the Body Computer M001, while pin 8 of connector F sends the timed analogue control signal.

The rear courtesy light G020 is supplied by the "SBMT" line protected by fuse F32 in the Body Computer M001, while pin 13 of connector F sends the timed analogue control signal.

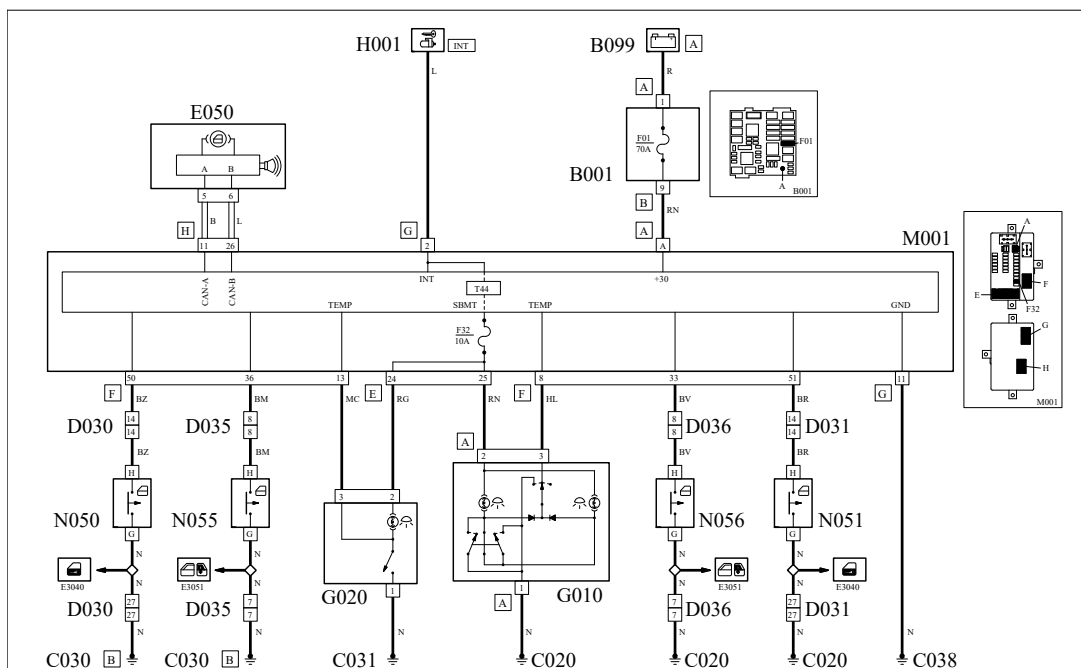
The Body Computer M001 - connector A - receives a direct power supply from the battery through the line protected by maxi fuse F01 of the engine compartment junction unit B001.

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.

Body Computer M001 is connected via the CAN line to instrument panel E050, to which it sends a signal that switches on the "door open" warning light, where necessary, and activates the buzzer to give an acoustic signal.

WIRING DIAGRAM

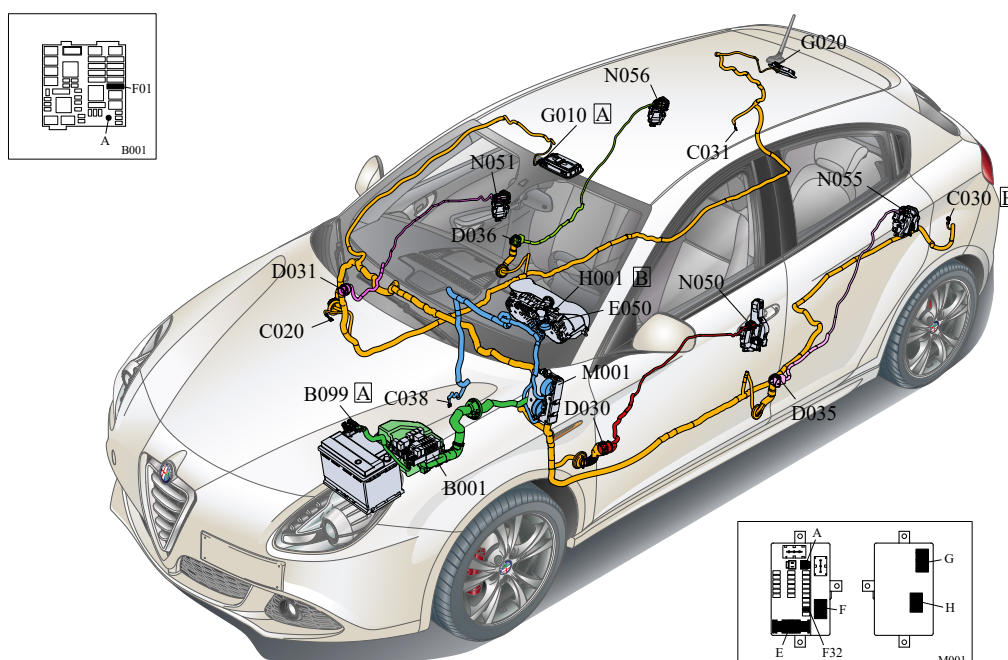


COMPONENTS

COMPONENT CODE	DESCRIPTION	REFERENCE TO THE OPERATION
<u>B001</u>	JUNCTION UNIT	<u>Op. 5505A28 CONTAINER FOR ADDITIONAL JUNCTION UNIT IN ENGINE COMPARTMENT - R.R.</u>
<u>B099</u>	MAXI FUSE BOX ON BATTERY	<u>Op. 5530B40 SUPPLY BOX ON BATTERY (LINK BATTERY AND FUSE BOX) - R R</u>
<u>C020</u>	PASSENGER SIDE DASHBOARD EARTH	
<u>C030</u>	LEFT REAR EARTH	
<u>C031</u>	RIGHT REAR EARTH	
<u>C038</u>	EARTH ON CENTRE TUNNEL	
<u>D030</u>	LEFT FRONT DOOR COUPLING	
<u>D031</u>	RIGHT FRONT DOOR COUPLING	
<u>D035</u>	LEFT REAR DOOR COUPLING	
<u>D036</u>	RIGHT REAR DOOR COUPLING	
<u>E050</u>	INSTRUMENT PANEL	<u>Op. 5560B10 CONTROL PANEL - R+R</u>
<u>G010</u>	FRONT COURTESY LIGHT	<u>Op. 7040E10 FRONT COURTESY LIGHT - R+R</u>
<u>G020</u>	REAR (CENTRE) COURTESY LIGHT	<u>Op. 7040E16 REAR COURTESY LIGHT - R+R</u>

<u>H001</u>	IGNITION SWITCH	<u>Op. 5520A18 IGNITION SWITCH CONTACT CARRIER LOCK BARREL - R.R.</u>
<u>M001</u>	BODY COMPUTER	<u>Op. 5505A35 MAIN BODY COMPUTER/JUNCTION UNIT - R.R.</u>
<u>N050</u>	DRIVER'S FRONT DOOR LOCK GEARED MOTOR	<u>Op. 7005N20 FRONT SIDE DOOR LOCK MOTOR/CATCH ASSEMBLY, LEFT OR RIGHT - R.R WITH DOOR PANEL AND SUPPORT FRAME REMOVED</u>
<u>N051</u>	RIGHT FRONT DOOR LOCK GEARED MOTOR	<u>Op. 7005N20 FRONT SIDE DOOR LOCK MOTOR/CATCH ASSEMBLY, LEFT OR RIGHT - R.R WITH DOOR PANEL AND SUPPORT FRAME REMOVED</u>
<u>N055</u>	LEFT REAR DOOR LOCK GEARED MOTOR	<u>Op. 7010N20 REAR SIDE DOOR LOCK MOTOR/CATCH ASSEMBLY - R.R. WITH DOOR PANEL AND SUPPORT FRAME REMOVED</u>
<u>N056</u>	RIGHT REAR DOOR LOCK GEARED MOTOR	<u>Op. 7010N20 REAR SIDE DOOR LOCK MOTOR/CATCH ASSEMBLY - R.R. WITH DOOR PANEL AND SUPPORT FRAME REMOVED</u>

COMPONENT LOCATION



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<u>C030</u>	LEFT REAR EARTH	-
<u>C031</u>	RIGHT REAR EARTH	-

<u>C038</u>	EARTH ON CENTRE TUNNEL	
<u>D030</u>	LEFT FRONT DOOR COUPLING	
<u>D031</u>	RIGHT FRONT DOOR COUPLING	
<u>D035</u>	LEFT REAR DOOR COUPLING	
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