



ALLARME


191 - Giulietta

ALARM - DESCRIPTION

The alarm system offers anti-intrusion protection: volumetric, perimeter, anti-tilt and surveillance of supply cable cutting.

The operation of the system is co-ordinated by the Body Computer, which sends/receives commands from external modules through a special serial line.

The system is switched on/off by the remote control interfaced with a receiver in the Body Computer: the remote control and receiver are radiofrequency.

 To turn the alarm off completely (for example, if the vehicle is not being used for a long time) the vehicle must be closed by turning the metal insert in the key in the lock without using the remote control.

The volumetric and anti-tilt protection can be excluded by operating a button near the front courtesy light.

Every break in attempt is signalled by the "vehicle protection" warning light in the instrument panel switching on together with a message shown in the display.

The control unit is equipped with a self-diagnosis function which detects and memorises faults and problems in the control unit and system components; in addition, it checks the condition of the connecting cables and stores the number of activations and times the alarm has been operated.

The control unit operating logic can be modified in order to satisfy the legal requirements which govern the use of alarm systems in the various markets.

For more details

See descriptions 5580E ANTI-THEFT DEVICE

The alarm siren is located at the front, in the engine compartment, under the windscreen, on the driver side.

The door lock system switches are used to control the doors and boot. A special separate switch detects bonnet closure.

The volumetric sensors check that there are no intrusions into the vehicle. They are located in the front courtesy light: they consist of a transmitter and a receiver: the wave transmitted by one transmitter must reach the receiver of the other sensor and vice versa: otherwise an alarm signal is sent to the control unit.

The anti-tilt sensor, is located in the front courtesy light; it detects the slightest variation in the angle of the vehicle in relation to either the longitudinal axis or the vertical axis.

By pressing the special button next to the sensors, both sensors can be switched on/off simultaneously; with the sensors excluded an LED next to the button switches on.

ALARM - FUNCTIONAL DESCRIPTION

The alarm system is managed by the alarm control unit incorporated in the Body Computer M001, which is supplied - connector A - directly by the battery from the line protected by maxifuse F01 of the engine compartment control 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 Body Computer M1 receives "door open" input signals at pins 54, 36, 51 and 33 of connector F; they are the same signals that switch on the timed lights.

See E2510 COURTESY LIGHTS

The on/off signals arrive from the aerial-receiver of remote control P093, which are connected to pins 30 and 15 of connector F of M001.

The bonnet is controlled by switch I010 which is connected to pin 8 of connector D of M001.

The boot opening switch located in the lock N057 sends an earth signal to the Body Computer M001 - pin 35 of connector F.

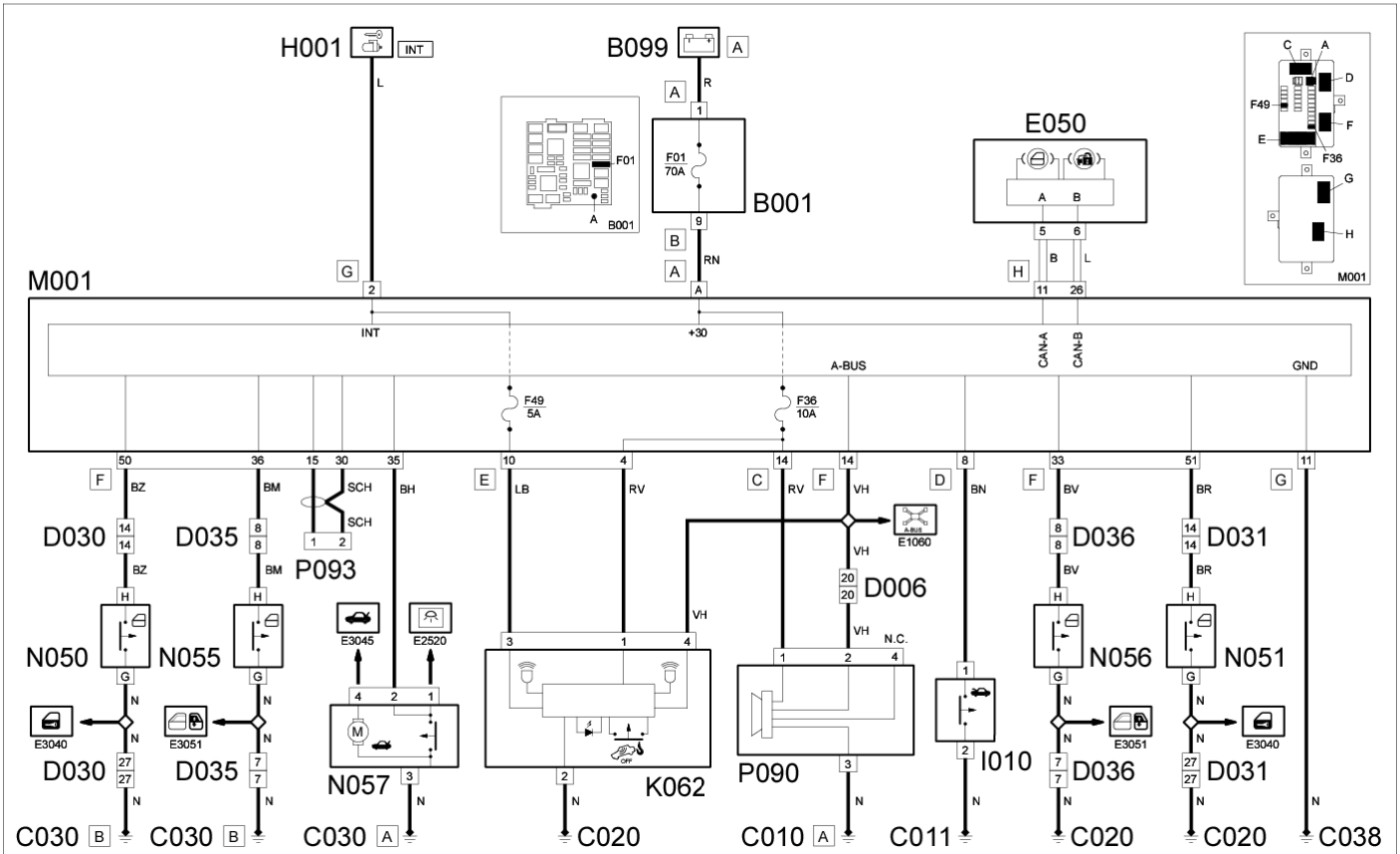
The siren P090 receives a power supply from the Body Computer M001, from pin 14 of connector C - through the line protected by fuse F36 - and is connected by the A-BUS serial line to pin 14 of connector F of M001.

The unit that incorporates the volumetric and anti-tilt sensors K062 is supplied by the Body Computer M001 from pin 4 of connector E through the line protected by fuse F36 and is connected through the same A-BUS serial line to pin 14 of connector F of M001.

The unit also receives a power supply - from 10 of connector E of M001 - from the "ignition-operated" line (INT) protected by fuse F49 of M001; the unit contains a button for excluding the two volumetric and anti-tilt control functions; the LED next to the button switches on if they are excluded.

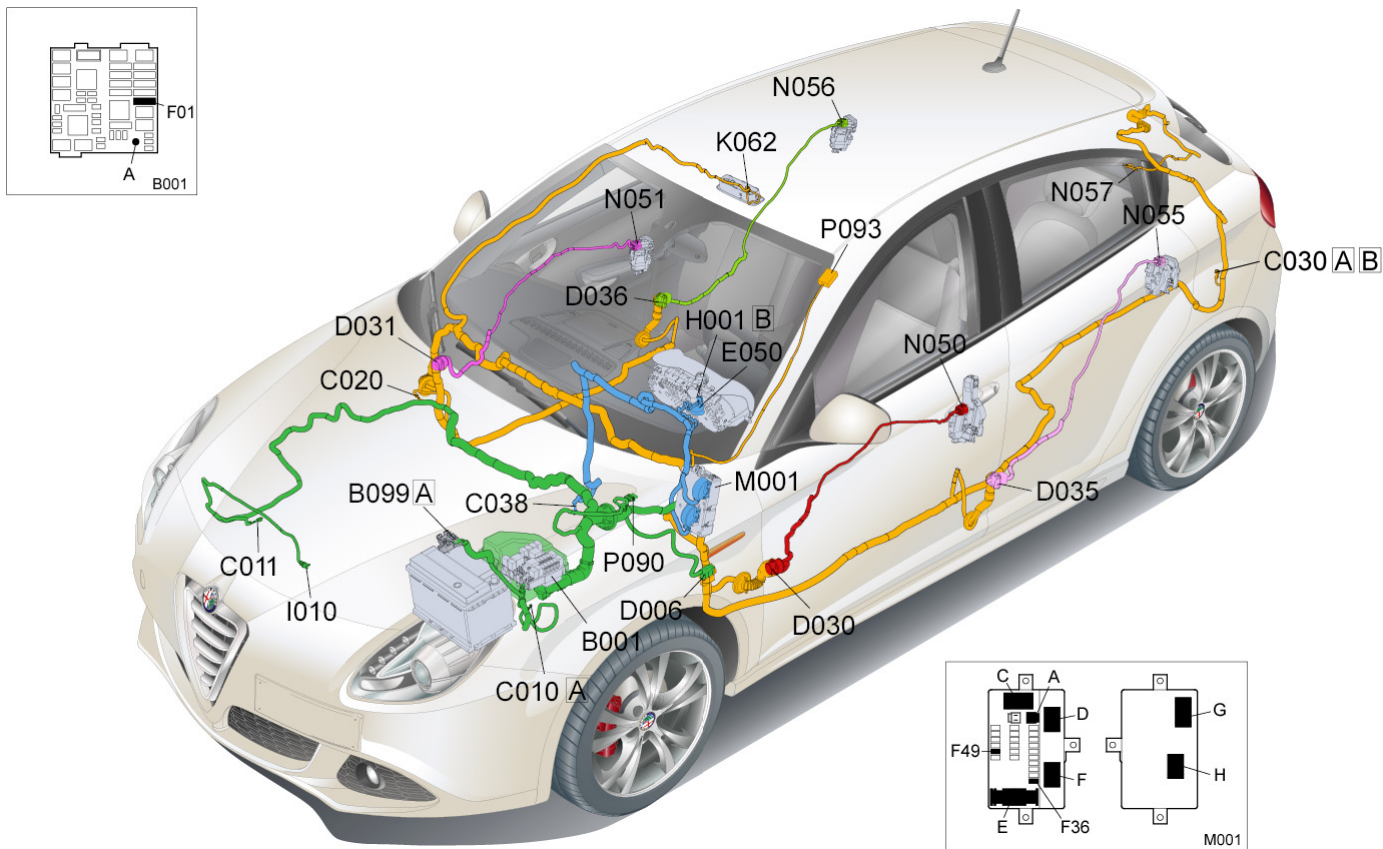
The Body Computer M001 is connected, through the CAN line, to the instrument panel E050 to manage the "vehicle protection" warning light and the other warnings.

ALARM - 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	-
C011	RIGHT FRONT EARTH	-
C020	PASSENGER SIDE DASHBOARD EARTH	-
C030	LEFT REAR EARTH	-
C038	EARTH ON CENTRE TUNNEL	-
D006	FRONT/REAR COUPLING	-
D030	LEFT FRONT DOOR COUPLING	-
D031	RIGHT FRONT DOOR COUPLING	-
D035	LEFT REAR DOOR COUPLING	-
D036	RIGHT REAR DOOR COUPLING	-
E050	INSTRUMENT PANEL	Op. 5560B10 CONTROL PANEL - R+R
H001	IGNITION SWITCH	Op. 5520A18 IGNITION SWITCH CONTACT CARRIER LOCK BARREL - R.R.
K062	ALARM VOLUMETRIC SENSORS ASSEMBLY	Op. 7040H92 FRONT CONTROL PANEL ON ROOF LINING - R.R.
I010	BONNET OPENING SWITCH	Op. 7025A35 ENGINE COMPARTMENT LID LOCK (ONE) - R.R. FOR VERSIONS WITH ALARM SYSTEM
M001	BODY COMPUTER	Op. 5505A35 MAIN BODY COMPUTER/JUNCTION UNIT - R.R.
N050	DRIVER'S FRONT DOOR LOCK GEARED MOTOR	Op. 7005N20 FRONT SIDE DOOR LOCK MOTOR/CATCH ASSEMBLY, LEFT OR RIGHT - R.R WITH DOOR PANEL AND SUPPORT FRAME REMOVED
N051	RIGHT FRONT DOOR LOCK GEARED MOTOR	Op. 7005N20 FRONT SIDE DOOR LOCK MOTOR/CATCH ASSEMBLY, LEFT OR RIGHT - R.R WITH DOOR PANEL AND SUPPORT FRAME REMOVED
N055	LEFT REAR DOOR LOCK GEARED MOTOR	Op. 7010N20 REAR SIDE DOOR LOCK MOTOR/CATCH ASSEMBLY - R.R. WITH DOOR PANEL AND SUPPORT FRAME REMOVED
N056	RIGHT REAR DOOR LOCK GEARED MOTOR	Op. 7010N20 REAR SIDE DOOR LOCK MOTOR/CATCH ASSEMBLY - R.R. WITH DOOR PANEL AND SUPPORT FRAME REMOVED
N057	BOOT LOCK GEARED MOTOR	Op. 7015B10 SINGLE TAILGATE LOCK - R+R OR REPAIR WITH PANEL/PROTECTION REMOVED
P090	ALARM SIREN	Op. 5580E40 ANTI-THEFT DEVICE SIREN - R+R
P093	AERIAL FOR ALARM AND CENTRAL LOCKING RECEIVER	-

ALARM - COMPONENT LOCATION



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C038	EARTH ON CENTRE TUNNEL	-
D006	FRONT/REAR COUPLING	-
D030	LEFT FRONT DOOR COUPLING	-
D031	RIGHT FRONT DOOR COUPLING	-
D035	LEFT REAR DOOR COUPLING	-
D036	RIGHT REAR DOOR COUPLING	-
E050	INSTRUMENT PANEL	Op. 5560B10 CONTROL PANEL - R+R
H001	IGNITION SWITCH	Op. 5520A18 IGNITION SWITCH CONTACT CARRIER LOCK BARREL - R.R.
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P093	AERIAL FOR ALARM AND CENTRAL LOCKING RECEIVER	-