



AUTORADIO

191 - Giulietta

RADIO - DESCRIPTION

The vehicle is equipped with a radio system comprising:

- radio (with CD / MP3 player);
- front speakers: midwoofers and tweeters in the doors;
- rear speakers: midwoofers and tweeters (or - in the basic version - full-range speakers) in the doors;
- cables connecting the radio with the speakers;
- FM1 stylus aerial, located at the rear in the middle and FM2 aerial that uses the heater elements of the heated rear screen with coaxial connecting cables.

The radio is a CAN node through which information is exchanged with the Body Computer and with the other electronic units.

The radio is equipped with an anti-theft system through the connection of the radio on the CAN with the Body Computer; it also manages volume control linked to the vehicle speed: the volume increases and decreases in relation to the speed of the vehicle: this information reaches the radio node via the CAN.

Some versions are equipped with a series of buttons on the steering wheel: these make it possible to replicate some of the commands which are acquired in the same way by the radio itself.

In the versions with "Blue&Me", an external source can be connected to the AUX input, located together with the "Media Player" USB port.

For more details

See descriptions 5570 ACCESSORIES

In the Start&Stop versions, the radio supply is controlled by a voltage stabiliser, fitted under the dashboard behind the glove compartment. It maintains a constant voltage for devices sensitive to voltage drops during engine start-up.

A sophisticated HIFI system with special HIFI speakers and an outside amplifier can also be fitted.

(see version with Bose Hi-Fi System)

RADIO - FUNCTIONAL DESCRIPTION

The radio P020 receives a direct supply from the battery (4 of connector B) through the line for fuse F36 of the Body Computer M001; this line is controlled by the voltage stabiliser M192 - input at pin 8, output from pin 1.

The radio P020 receives an ignition-operated (INT) power supply through the line for fuse F51 of the Body Computer M001: this line is controlled by the voltage stabiliser M192 - pin 6.

Pin 8 of connector A of P020 and pin 16 of M192 are earthed.

Pins 1 and 3 of connector A are connected to the CAN line by which radio the P020 is connected to Body Computer M001 - pin 25 and 10 of connector H - and to the other system nodes.

The Body Computer M001 is connected to the radio controls on the steering wheel through the clock spring D047: pin 53 of connector H provides the reference earth at pin 6 of D047; pin 51 of connector H of M001 receives the signals from the buttons to the right of the steering wheel, whilst pin 38 of connector H of M001 receives the signals from the buttons to the left of the steering wheel.

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 following cables with signals for the speakers leave connector B of P020:

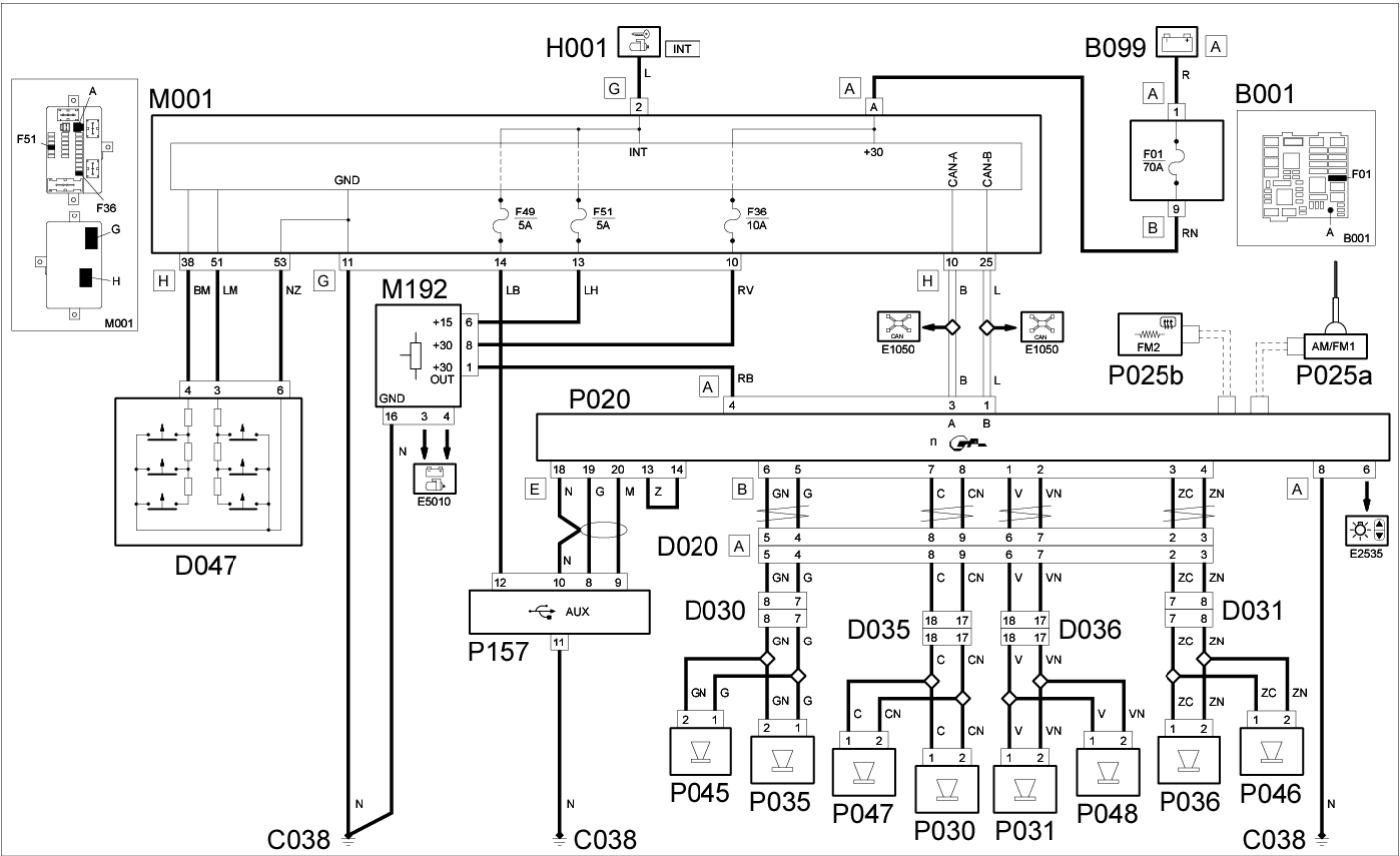
- pins 5 and 6 to the left front speakers P035 and P045;
- pins 3 and 4 to the right front speakers P036 and P046;
- pins 7 and 8 to the left rear speakers P030 and P047 - if present;
- pins 1 and 2 to the right rear speakers P031 and P048 - if present.

The P025a - FM1 stylus and P025b - FM2 aerials incorporated in the heated rear screen - are connected to the radio by means of dedicated coaxial cables.

Pin 12 of the AUX socket P157 receives an ignition-operated supply (INT) through fuse line F49 of Body Computer M001; pin 11 is connected to earth while pins 8, 9 and 10 are connected to the radio P020, connector E.

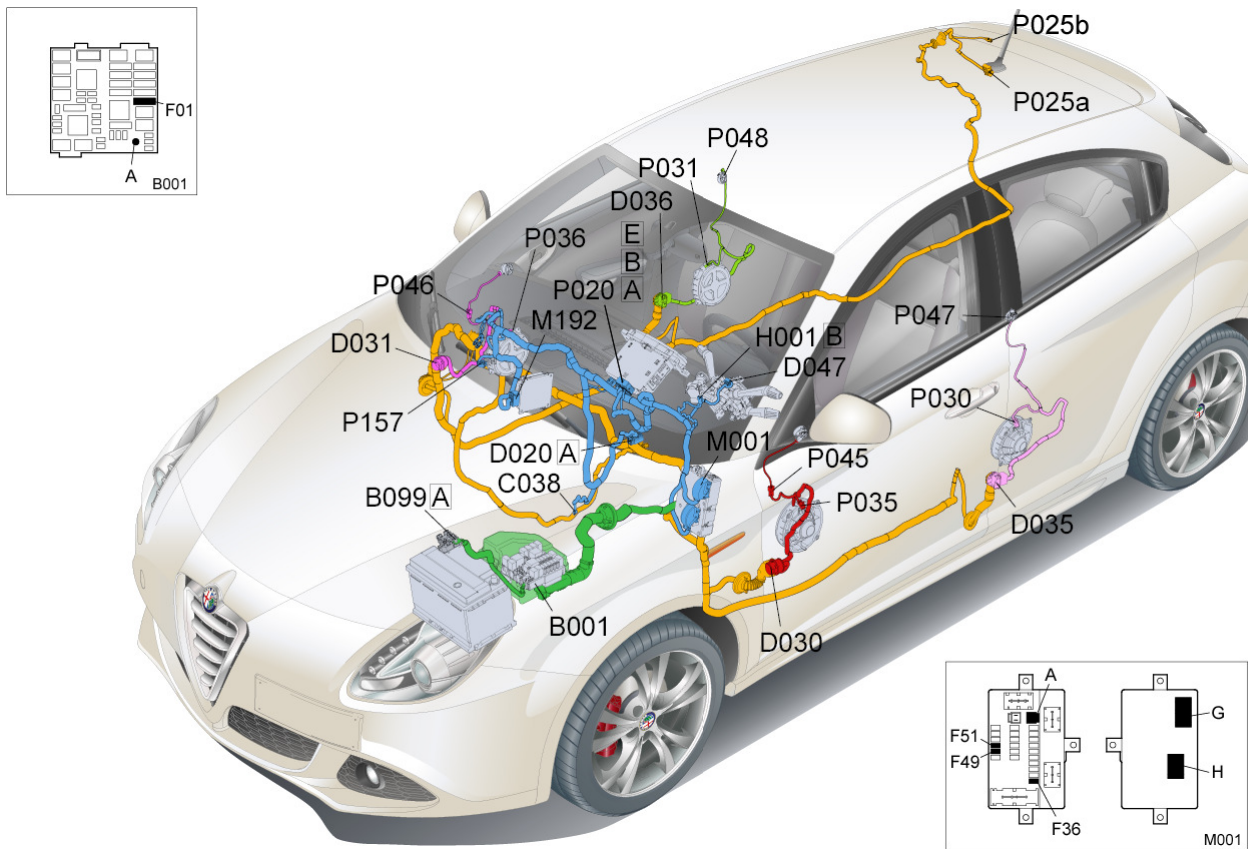
Pin 12 of the AUX socket P157 receives an ignition-operated supply (INT) through fuse line F49 of Body Computer M001; pin 11 is connected to earth while pins 8, 9 and 10 are connected to the radio P020, connector E.

RADIO - 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
C038	EARTH ON CENTRE TUNNEL	-
D020	DASHBOARD/REAR COUPLING	-
D030	LEFT FRONT DOOR COUPLING	-
D031	RIGHT FRONT DOOR COUPLING	-
D035	LEFT REAR DOOR COUPLING	-
D036	RIGHT REAR DOOR COUPLING	-
D047	CLOCK SPRING COUPLING	Op. 5550A10 STALK UNIT ASSEMBLY - R+R
H001	IGNITION SWITCH	Op. 5520A18 IGNITION SWITCH CONTACT CARRIER LOCK BARREL - R.R.
M001	BODY COMPUTER	Op. 5505A35 MAIN BODY COMPUTER/JUNCTION UNIT - R.R.
M192	ALARM CONTROL UNIT	Op. 5520D03 VOLTAGE STABILIZER - R.R.
P020	CAR RADIO	Op. 5570T80 CAR RADIO EQUIPMENT - R+R Op. 5570T27 AERIAL SUPPORT - R.R
P025	AERIAL POWER SUPPLY	Op. 5570T28 CONTROL UNIT FOR RADIO AERIAL - R.R.
P030	LEFT REAR SPEAKER	Op. 5570T96 REAR SIDE SPEAKER (ONE), LEFT OR RIGHT- R.R
P031	RIGHT REAR SPEAKER	Op. 5570T96 REAR SIDE SPEAKER (ONE), LEFT OR RIGHT- R.R
P035	SPEAKER IN FRONT DOOR LEFT	Op. 5570T91 FRONT SIDE SPEAKER (ONE), LEFT OR RIGHT - R.R. WITH DOOR PANEL REMOVED
P036	SPEAKER ON PASSENGER FRONT DOOR	Op. 5570T91 FRONT SIDE SPEAKER (ONE), LEFT OR RIGHT - R.R. WITH DOOR PANEL REMOVED
P045	DRIVER'S FRONT TWEETER SPEAKER	Op. 5570T92 FRONT TWEETER (ONE), LEFT OR RIGHT - R.R
P046	PASSENGER SIDE FRONT TWEETER SPEAKER	Op. 5570T92 FRONT TWEETER (ONE), LEFT OR RIGHT - R.R
P047	LEFT REAR TWEETER SPEAKER	Op. 5570T94 REAR TWEETER (ONE), LH OR RH - R R
P048	RIGHT REAR TWEETER SPEAKER	Op. 5570T94 REAR TWEETER (ONE), LH OR RH - R R
P157	USB - AUX PORT	Op. 5570T55 BLUE &ME USB PORT - R.R.

RADIO - COMPONENT LOCATION



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C038	EARTH ON CENTRE TUNNEL	-
D020	DASHBOARD/REAR COUPLING	-
D030	LEFT FRONT DOOR COUPLING	-
D031	RIGHT FRONT DOOR COUPLING	-
D035	LEFT REAR DOOR COUPLING	-
D036	RIGHT REAR DOOR COUPLING	-
D047	CLOCK SPRING COUPLING	Op. 5550A10 STALK UNIT ASSEMBLY - R+R
H001	IGNITION SWITCH	Op. 5520A18 IGNITION SWITCH CONTACT CARRIER LOCK BARREL - R.R.
M001	BODY COMPUTER	Op. 5505A35 MAIN BODY COMPUTER/JUNCTION UNIT - R.R.
M192	ALARM CONTROL UNIT	Op. 5520D03 VOLTAGE STABILIZER - R.R.
P020	CAR RADIO	Op. 5570T80 CAR RADIO EQUIPMENT - R+R
P025	AERIAL POWER SUPPLY	Op. 5570T27 AERIAL SUPPORT - R.R.
P030	LEFT REAR SPEAKER	Op. 5570T28 CONTROL UNIT FOR RADIO AERIAL - R.R.
P031	RIGHT REAR SPEAKER	Op. 5570T96 REAR SIDE SPEAKER (ONE), LEFT OR RIGHT- R.R
P035	SPEAKER IN FRONT DOOR LEFT	Op. 5570T96 REAR SIDE SPEAKER (ONE), LEFT OR RIGHT- R.R
P036	SPEAKER ON PASSENGER FRONT DOOR	Op. 5570T91 FRONT SIDE SPEAKER (ONE), LEFT OR RIGHT - R.R. WITH DOOR PANEL REMOVED
P045	DRIVER'S FRONT TWEETER SPEAKER	Op. 5570T91 FRONT SIDE SPEAKER (ONE), LEFT OR RIGHT - R.R. WITH DOOR PANEL REMOVED
P046	PASSENGER SIDE FRONT TWEETER SPEAKER	Op. 5570T92 FRONT TWEETER (ONE), LEFT OR RIGHT - R.R
P047	LEFT REAR TWEETER SPEAKER	Op. 5570T92 FRONT TWEETER (ONE), LEFT OR RIGHT - R.R
P048	RIGHT REAR TWEETER SPEAKER	Op. 5570T94 REAR TWEETER (ONE), LH OR RH - R R
P157	USB - AUX PORT	Op. 5570T94 REAR TWEETER (ONE), LH OR RH - R R
		Op. 5570T55 BLUE &ME USB PORT - R.R.