



AUTORADIO

191 - Giulietta

RADIO - DESCRIPTION

The vehicle is equipped with a radio system comprising:

- radio;
- front speakers: midwoofers and tweeters in the doors;
- rear speakers: midwoofers and tweeters 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.

On versions with a RADIONAV radio navigation system the radio/Audio CD/CD MP3 player is incorporated in the unit.

The device is also equipped with:

- SD card reader
- GPS module
- independent navigation module with maps
- motorised "pop-up" colour display on the top of the dashboard
- interface with the controls on the steering wheel

The stylus aerial located in the rear area of the roof carries out two functions (FM1 radio and GPS) for the operation of the radio and the navigator.

For more details,

See descriptions 5580M ON-BOARD NAVIGATOR

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.

A series of buttons on the steering wheel make it possible to replicate some of the commands which are acquired in the same way by the radio itself.

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 navigator P020 receives a direct supply from the battery (12 of connector A) 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.

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

Pins 10 and 13 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.

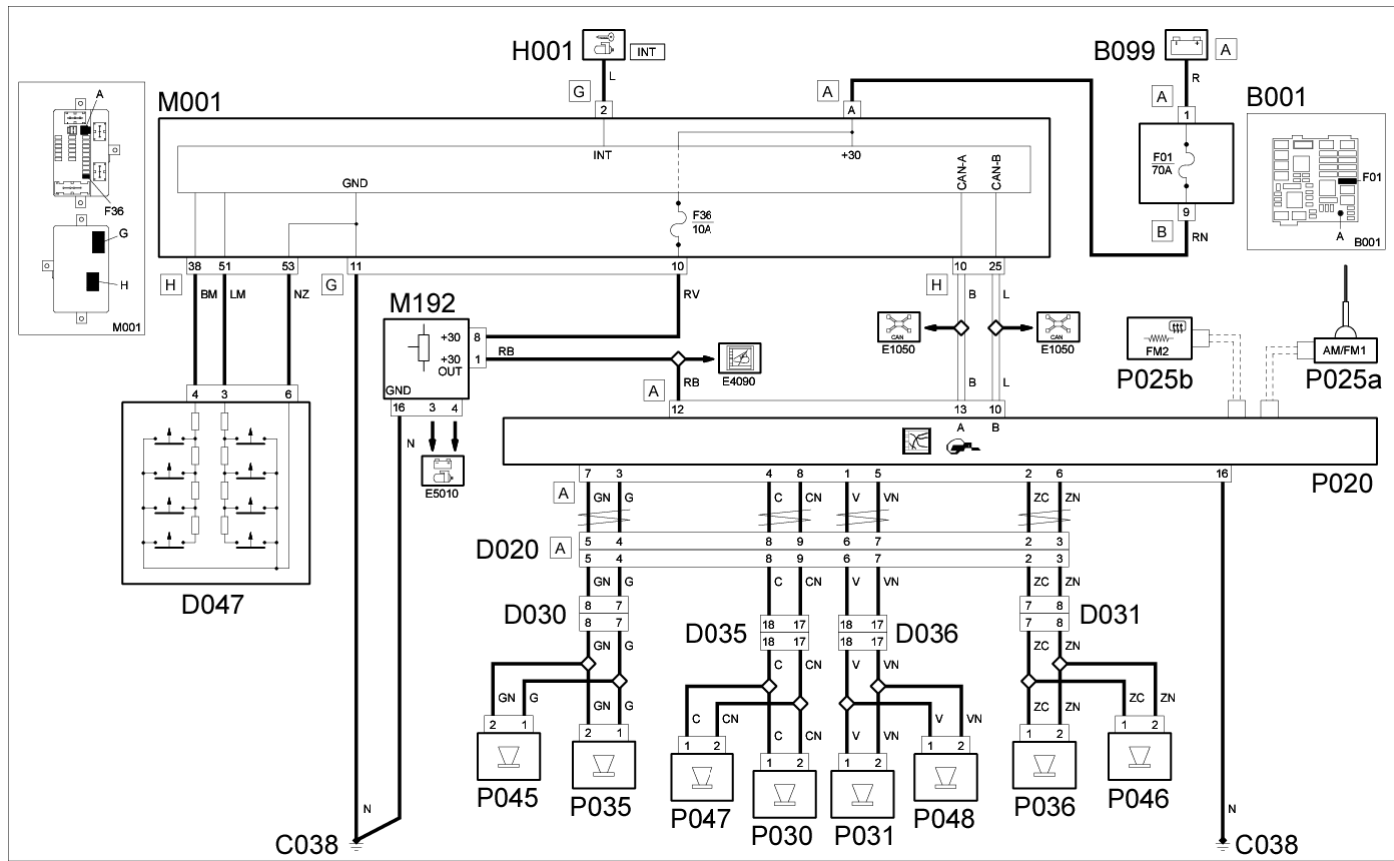
The following cables with signals for the speakers leave connector A of P020:

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

The aerials P025a (FM1 stylus on the roof) and P025b (FM2 built into the heated rear screen) are connected to the radio by means of coaxial cables.

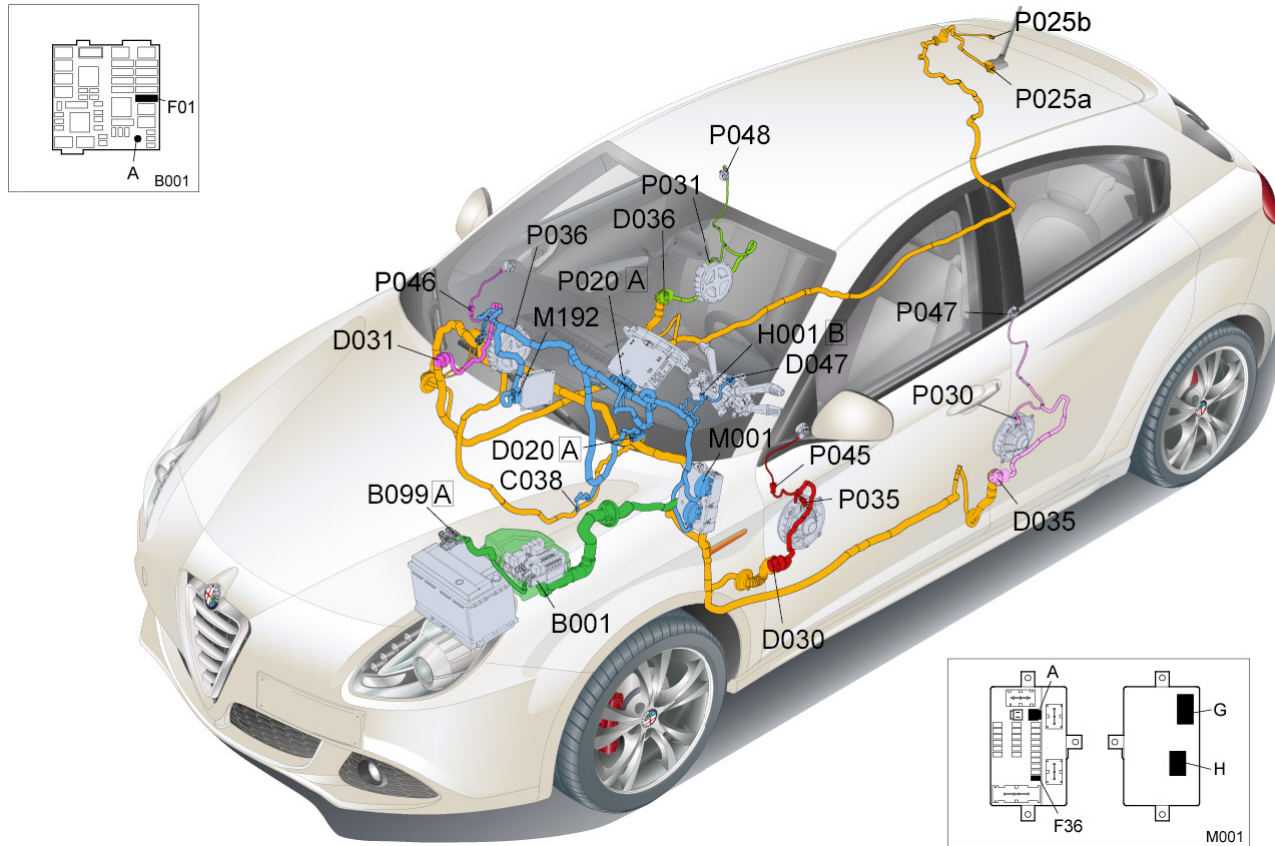
The GPS aerial P025c is incorporated with the FM1 on the roof.

RADIO - WIRING DIAGRAM



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| 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. 5580M24 RADIO NAVIGATOR - 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 |

RADIO - COMPONENT LOCATION



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. 5580M24 RADIO NAVIGATOR - 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
		Op. 5570T94 REAR TWEETER (ONE), LH OR RH - R R