



AUTORADIO

199 - Punto Evo/Punto M.Y. 2012

RADIO - DESCRIPTION

An INTERSCOPE Hi-Fi Sound System is available on request.

The Interscope audio system features aggressive sound capable of satisfying a young market. This system comprises 6 speakers, a power amplifier and a subwoofer box for deep bass tones.

The system has been developed ad hoc for the vehicle: the acoustic properties of the passenger compartment have been carefully studied so that the amplifier and the speakers are ideally suited to the vehicle: optimum listening is available in any part of the passenger compartment.

Unlike the system fitted as standard, this system offers:

- special speakers at front and rear;
- subwoofer box containing a power amplifier located in the boot.
- 4 channel amplifier (4 x 30 Wrms) located under the dashboard, passenger side.

The other components (radio, aerial, etc.) are the same as for the standard system.

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

For more details

See descriptions 5570 ACCESSORIES

RADIO - FUNCTIONAL DESCRIPTION

The radio P020 is directly supplied from the battery (4 of connector A) through the line of fuse F09 of the engine compartment junction unit B001.

This line is controlled by the voltage stabilizer M192 - input at pin 8, output from pin 1.

The radio P020 receives an ignition-controlled (INT) power supply (7 of connector A) through the line for fuse F51 of the Body Computer M001.

The same line also supplies the voltage stabilizer M192 - pin 6.

Pin 8 of connector A of P20 and pin 16 of M192 are earthed.

Pins 1 and 3 of connector A receive the CAN line by which radio the P020 is connected to Body Computer M001 - pin 18 and 22 of connector D - and to the other system nodes.

The Body Computer M001 is connected to the radio controls on the steering wheel via the clock spring D047: pin 35 of connector D provides the reference earth at pin 6 of D047; pin 52 of connector D of M001 receives the signals from the buttons to the right of the steering wheel, whilst pin 50 of connector D 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-controlled power supply (INT) at pin 11 of connector E.

Pin 9 of connector E of M001 provides the Body Computer with a reference earth.

The amplifier in the subwoofer P049 receives a direct supply from the battery - at pin 3 - through the line for fuse F09 of the engine compartment junction unit B001; this line is controlled by the voltage stabilizer M192 - input from pin 8, additional output at pin 9.

Pin 7 of the amplifier P49 is earthed.

Pin 8 of P049 is connected to the radio P020 - pin 5 of connector A - which supplies a positive enablement signal to turn on the amplifier (the aerial supply).

The amplifier P070 receives a direct supply from the battery (1 of connector B) through the line for fuse F09 of the engine compartment junction unit B001; this line is controlled by the voltage stabilizer M192 - input at pin 8, additional output from pin 9.

Pin 2 of connector B is earthed.

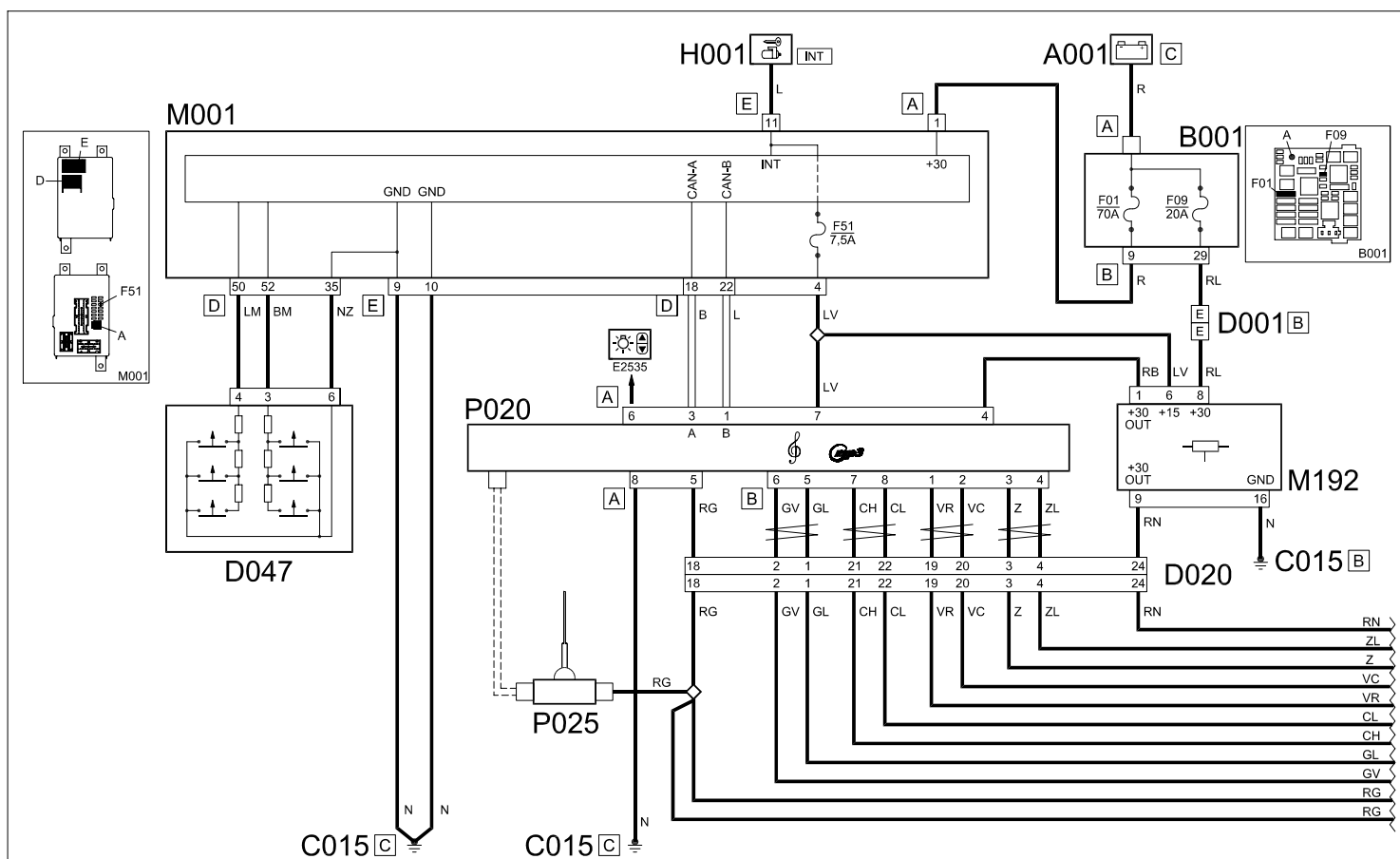
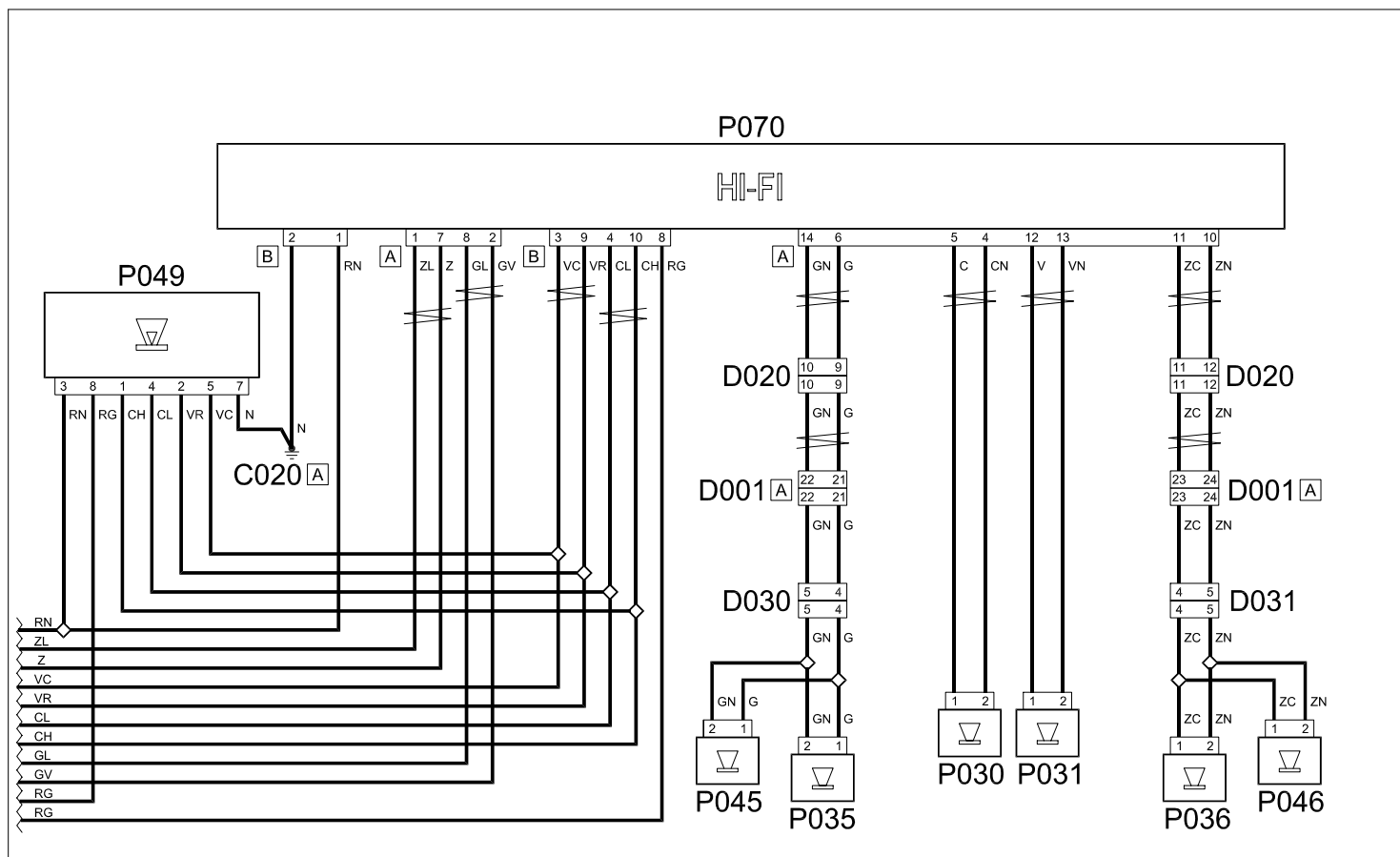
Pin 8 of connector B of P070 is connected to the radio P020 - pin 5 of connector A - which supplies a positive enablement signal to turn on the amplifier (the same supply as for the aerial).

The cables with signals for the amplifier P070 (pins 3, 4, 9, 10 connector B and pins 1, 2, 7, 8 connector A) and for the subwoofer P049 come from connector B of P020.

The following cables with signals for the speakers leave connector A of P70;

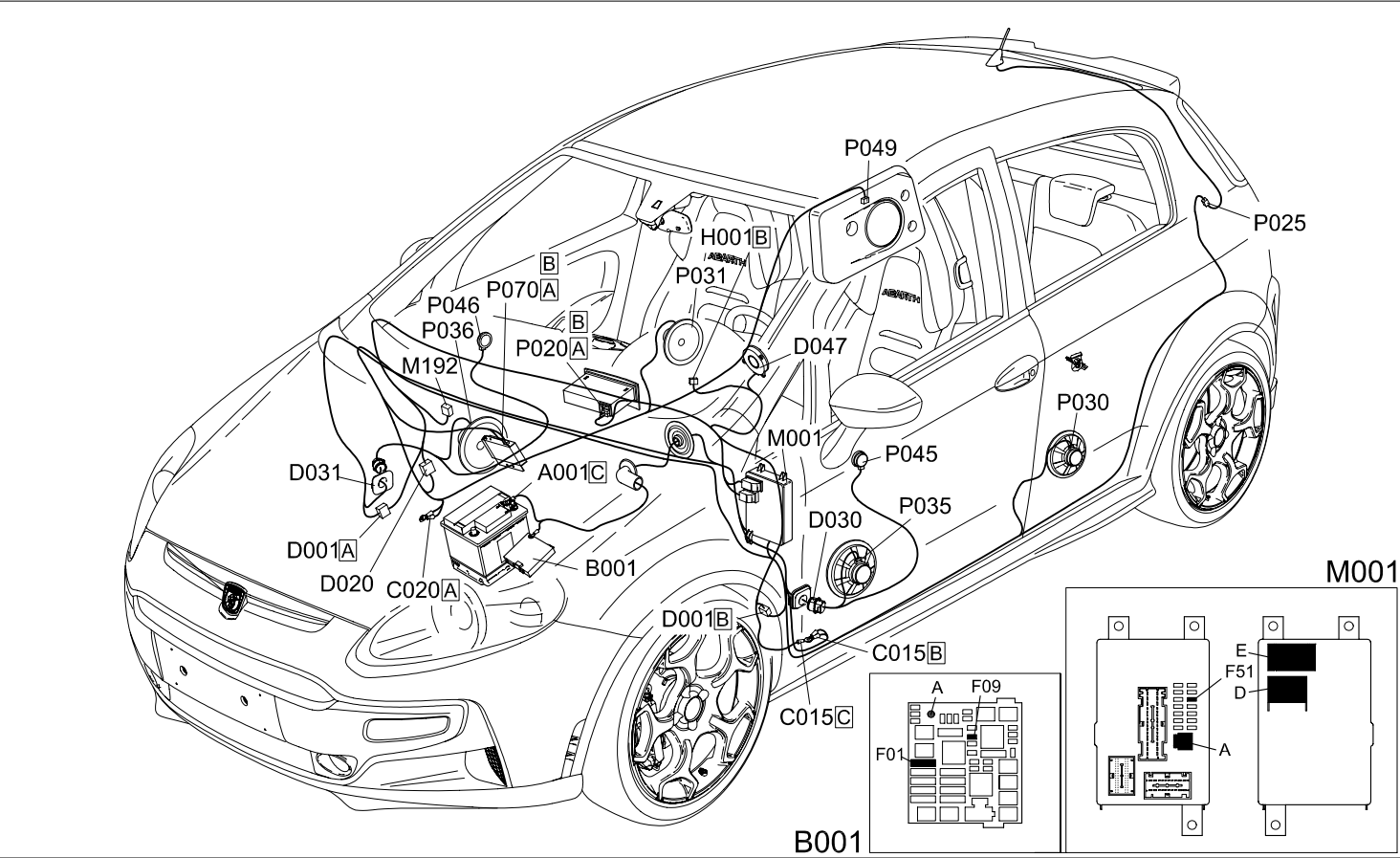
- pin 6 and 14 to the front left speakers P035 and P045;
- pin 10 and 11 to the front right speakers P036 and P046;
- pin 4 and 5 to the rear left speaker P030,
- pin 12 and 13 to the rear right speaker P031.

RADIO - WIRING DIAGRAM



Component Code	Description	Reference to the operation
A001	BATTERY	Op. 5530B10 BATTERY - R+R
B001	JUNCTION UNIT	Op. 5505A28 CONTAINER FOR ADDITIONAL JUNCTION UNIT IN ENGINE COMPARTMENT - R.R.
C015	DASHBOARD EARTH, DRIVER'S SIDE	-
C020	PASSENGER SIDE DASHBOARD EARTH	-
D001	FRONT/DASHBOARD COUPLING	-
D020	DASHBOARD/REAR COUPLING	-
D030	LEFT FRONT DOOR COUPLING	-
D031	RIGHT FRONT DOOR COUPLING	-
D047	CLOCK SPRING COUPLING	Op. 5580C12 CLOCK SPRING FOR AIR BAG MODULE ON STEERING WHEEL - R.R.
H001	IGNITION SWITCH	Op. 5520A18 IGNITION SWITCH CONTACT CARRIER LOCK BARREL - R.R.
M001	BODY COMPUTER	Op. 5505A32 BODY COMPUTER - 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. 5580T20 BOSE SOUND SYSTEM REAR SPEAKER (ONE), LH OR RH - R.R.
P031	RIGHT REAR SPEAKER	Op. 5580T20 BOSE SOUND SYSTEM REAR SPEAKER (ONE), LH OR RH - R.R.
P035	SPEAKER IN FRONT DOOR LEFT	Op. 5580T11 BOSE SOUND SYSTEM FRONT SPEAKER (ONE), LH OR RH - R.R. WITH DOOR PANEL REMOVED
P036	SPEAKER ON PASSENGER FRONT DOOR	Op. 5580T11 BOSE SOUND SYSTEM FRONT SPEAKER (ONE), LH OR RH - 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.
P049	REAR CENTRE WOOFER SPEAKER	Op. 5580T40 BOSE SOUND SYSTEM SUBWOOFER - R.R.
P070	RADIO HI-FI AMPLIFIER	-

RADIO - COMPONENT LOCATION



Component Code	Description	Reference to the operation
A001	BATTERY	Op. 5530B10 BATTERY - R+R
B001	JUNCTION UNIT	Op. 5505A28 CONTAINER FOR ADDITIONAL JUNCTION UNIT IN ENGINE COMPARTMENT - R.R.
C015	DASHBOARD EARTH, DRIVER'S SIDE	-
C020	PASSENGER SIDE DASHBOARD EARTH	-
D001	FRONT/DASHBOARD COUPLING	-
D020	DASHBOARD/REAR COUPLING	-
D030	LEFT FRONT DOOR COUPLING	-
D031	RIGHT FRONT DOOR COUPLING	-
D047	CLOCK SPRING COUPLING	Op. 5580C12 CLOCK SPRING FOR AIR BAG MODULE ON STEERING WHEEL - R.R.
H001	IGNITION SWITCH	Op. 5520A18 IGNITION SWITCH CONTACT CARRIER LOCK BARREL - R.R.
M001	BODY COMPUTER	Op. 5505A32 BODY COMPUTER - 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. 5580T20 BOSE SOUND SYSTEM REAR SPEAKER (ONE), LH OR RH - R.R.
P031	RIGHT REAR SPEAKER	Op. 5580T20 BOSE SOUND SYSTEM REAR SPEAKER (ONE), LH OR RH - R.R.
P035	SPEAKER IN FRONT DOOR LEFT	Op. 5580T11 BOSE SOUND SYSTEM FRONT SPEAKER (ONE), LH OR RH - R.R. WITH DOOR PANEL REMOVED
P036	SPEAKER ON PASSENGER FRONT DOOR	Op. 5580T11 BOSE SOUND SYSTEM FRONT SPEAKER (ONE), LH OR RH - 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
P049	REAR CENTRE WOOFER SPEAKER	Op. 5580T40 BOSE SOUND SYSTEM SUBWOOFER - R.R.
P070	RADIO HI-FI AMPLIFIER	-