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IMPIANTO RISCALDAMENTO VAPORI OLIO

191 - Giulietta

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OIL VAPOUR HEATING SYSTEM - DESCRIPTION

An electronic control system supervises and governs all engine parameters to optimise performance and fuel consumption by means of a real-time response to different operation conditions.

See E5050 DIESEL ENGINES ELECTRONIC MANAGEMENT

The blow-by vapours are made up of a mixture of air, fuel vapours and burnt gases that leak from the piston rings and lubricating oil vapours and are generated during engine operation and accumulated in the block.

The recirculation system is designed to decant and burn these gases.

The exhaust gases coming from the block rise up to the cylinder head and are drawn into a separator in the tappet cover.

The condensed vapours return to the sump through a pipe. Those that are not condensed are sent to the turbocharger air intake sleeve and to the intake

See descriptions 1080D CRANKCASE VAPOUR/GAS RECIRCULATION SYSTEM

If the car is used in particularly harsh weather conditions, the vapours extracted from the block are appropriately heated before the intake in the engine.

This is achieved through an electric resistance located on the blow-by pipe and suitably controlled by the engine management control unit.

The blow-by heating system is controlled by a specific relay switch and protected by a dedicated fuse, located in the engine compartment control unit.

The supply lines for the control unit and system components (sensors and actuators) are protected by dedicated fuses, in the engine compartment control unit.

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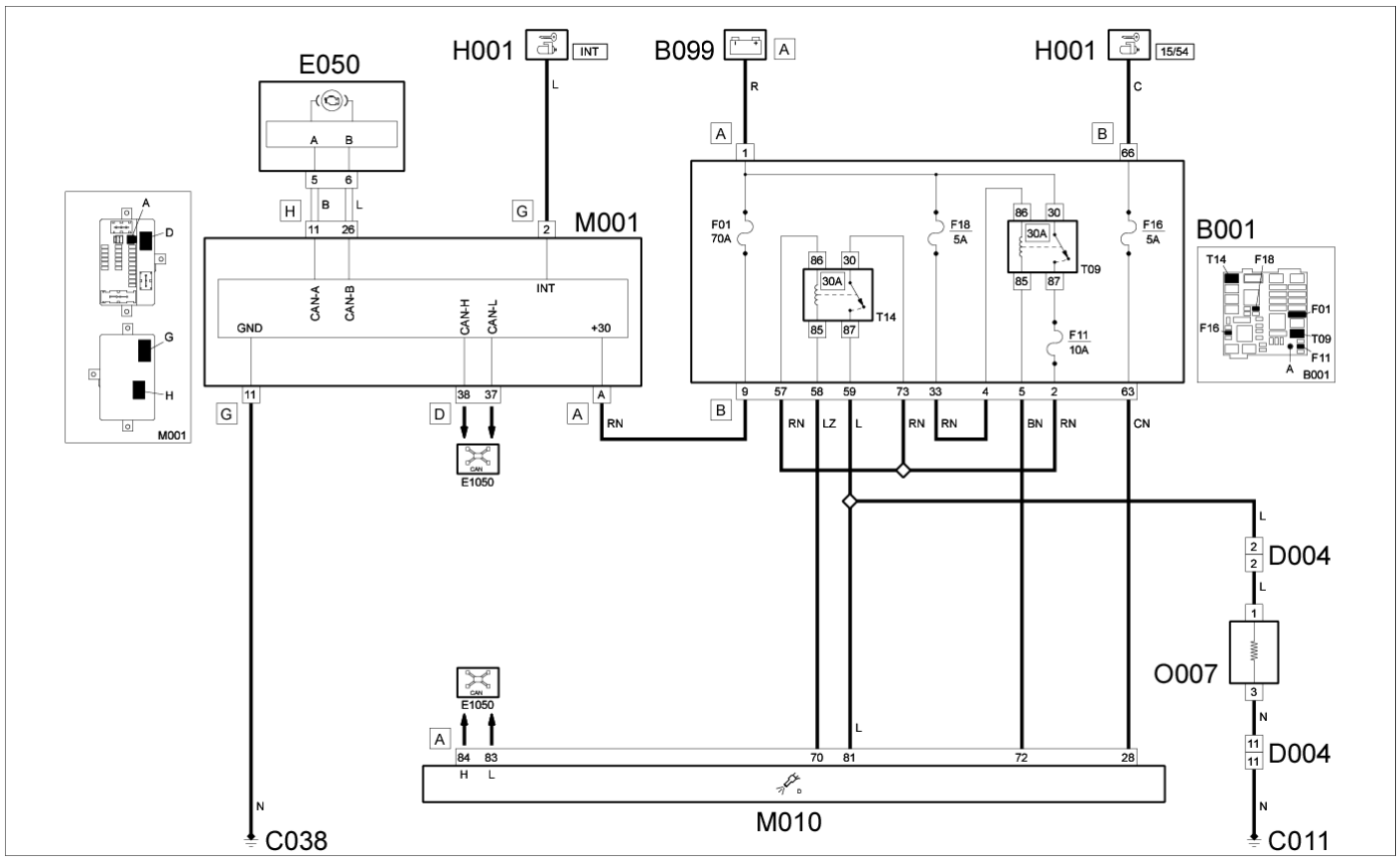
OIL VAPOUR HEATING SYSTEM - WIRING DIAGRAM



Component Code	Name	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
C011	RIGHT FRONT EARTH	-
C038	EARTH ON CENTRE TUNNEL	-
D004	FRONT/ENGINE COUPLING	
E050	INSTRUMENT PANEL	Op. 5560B10 CONTROL PANEL - 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.
M010	ENGINE MANAGEMENT CONTROL UNIT	Op. 1060G80 DIESEL ELECTRONIC INJECTION CONTROL UNIT - R.R
O007	RESISTENZA RISCALDAMENTO VAPORI OLIO	-

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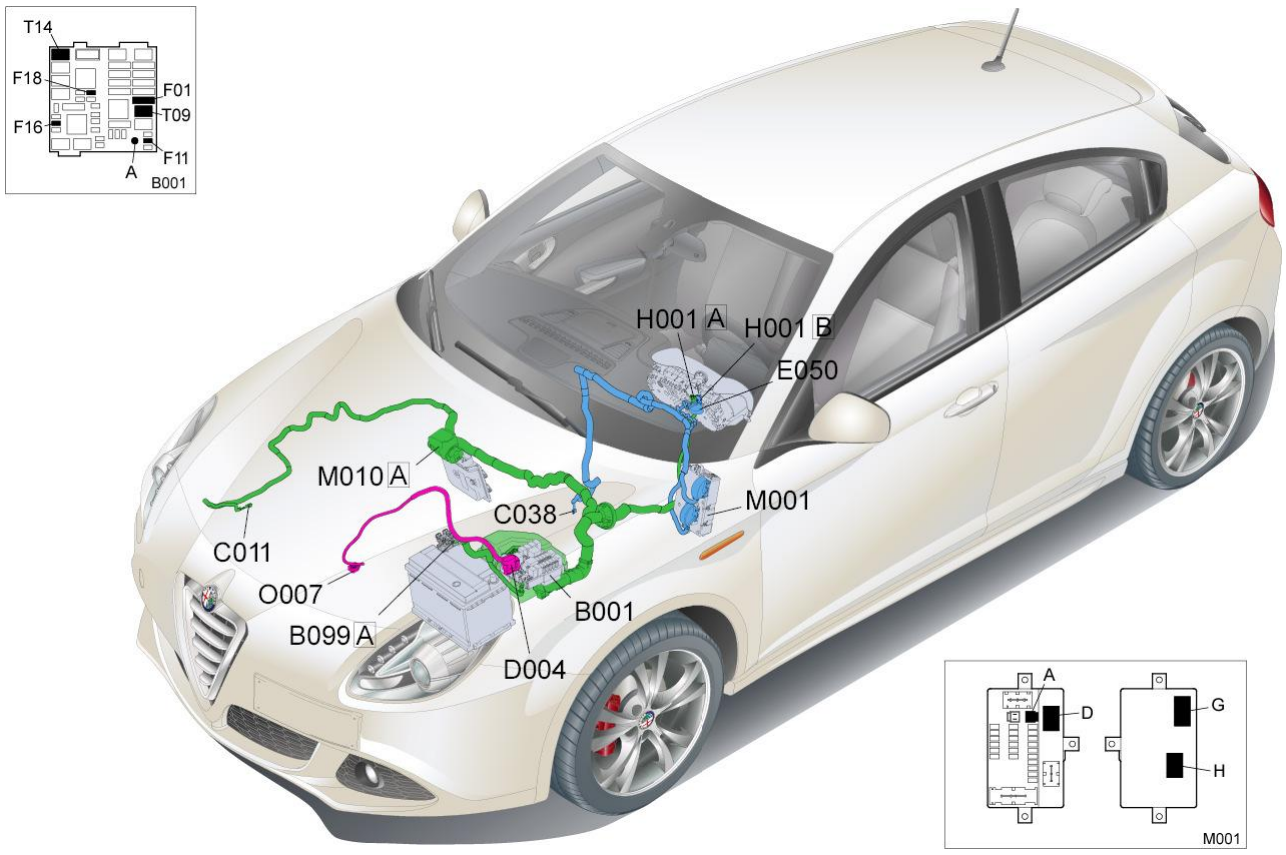
PARTICLE FILTER SYSTEM - COMPONENT LOCATION



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