



MASSE

150 - 500

EARTHS - DESCRIPTION

The following diagram shows the various earths on the car. The associated circuits are shown for each earth.

In this way it is easy to identify these circuits which are connected to earth by the same line; this facilitates the job of searching for faults if there are problems involving more than one function (for example, the oxidization of an earth may put various circuits, and numerous functions connected to them, out of operation simultaneously).

EARTHS - FUNCTIONAL DESCRIPTION

The earths listed below are present on the vehicle and are categorised according to their relationship with the various wires.

Battery negative wiring:

- battery negative, A001 A (on battery negative terminal block)
- battery earth on engine, C002 (on the gearbox, connected to the body via a braid)
- battery earth on body, C003 A (direct connection to battery negative) and C003 B (on the body, connected to the gearbox via a braid)

Front wiring:

- battery negative, A001 B (on the terminal block; injection system -1.4 petrol and 1.3 Multijet engines-)
- battery negative, A001 C (on the terminal block; electric steering)
- left front earth, C010
- front right earth, C011 (for versions available from 01/2010)
- ABS front earth, C012
- heater/air conditioning unit earth, C016
- radiator fan earth, C045

Dashboard wiring:

- driver-side dashboard earth, C015
- Air Bag system earth, C050 A (control unit)

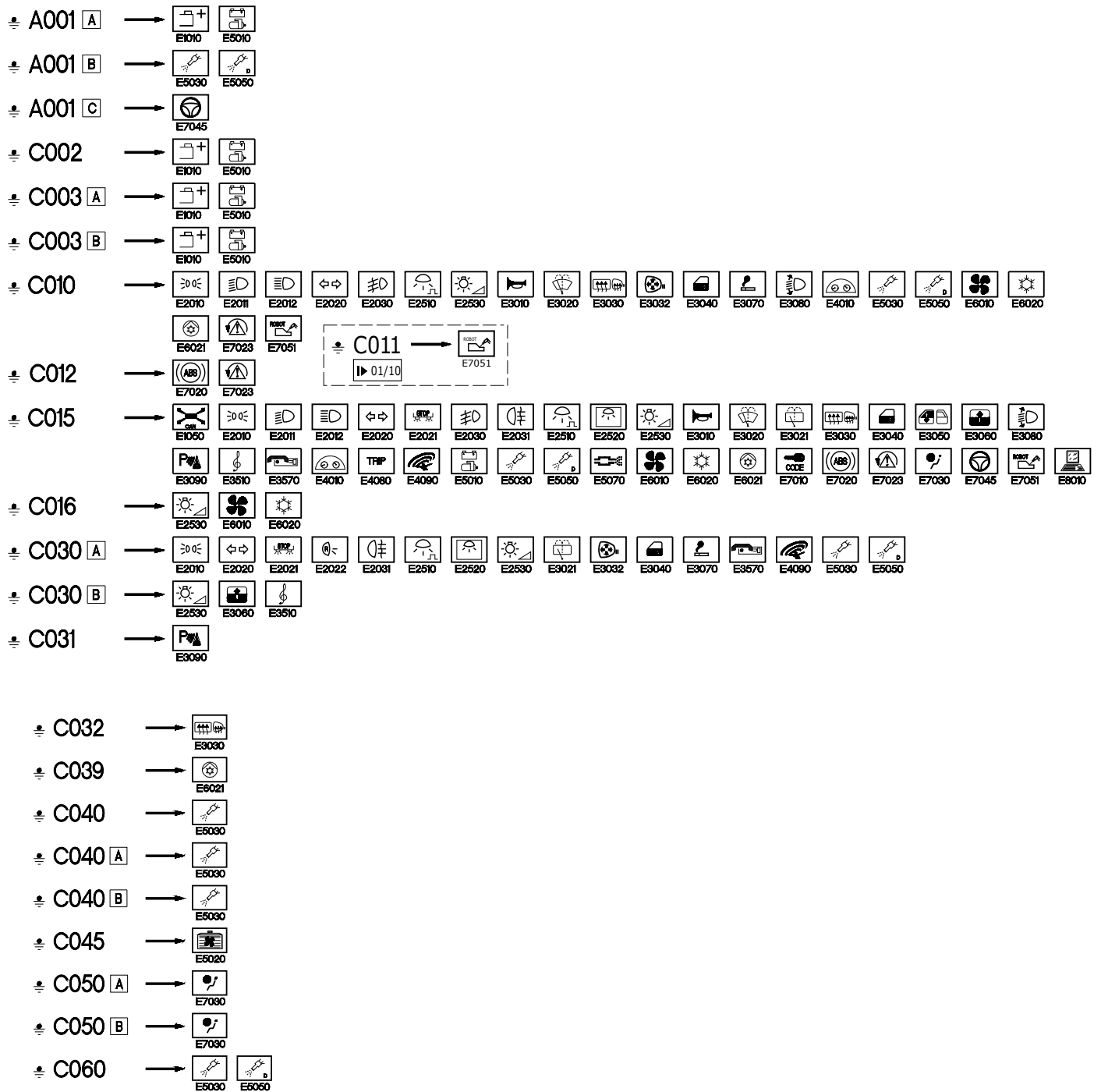
Rear wiring:

- left rear earth, C030 A and C030 B
- right rear earth, C031
- heated rear windscreen earth, C032
- Air Bag system earth, C050 B (Side Bag)

Engine wiring:

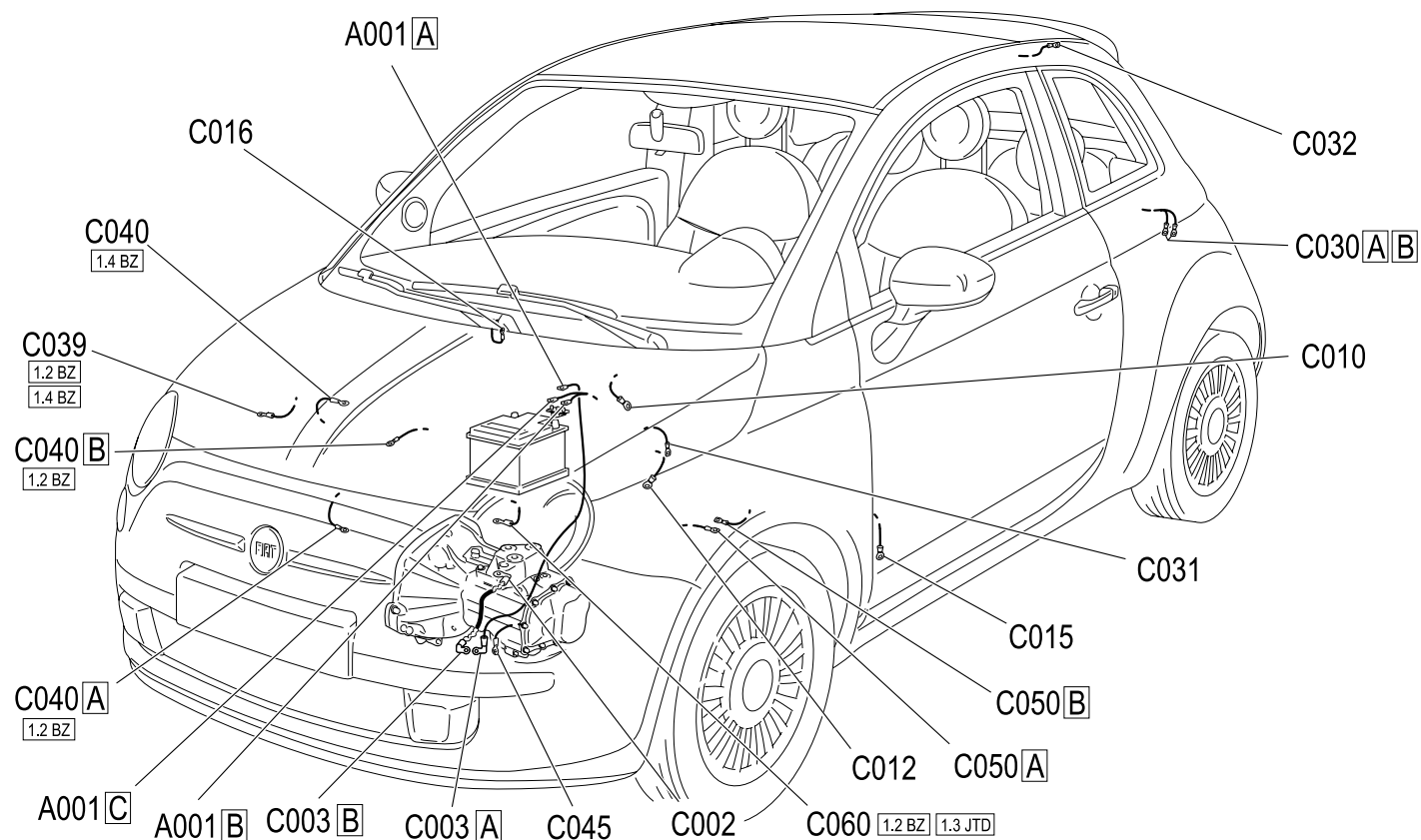
- compressor earth, C039 (1.2 and 1.4 petrol engines)
- earth on engine, C040 A and C040 B (1.2 petrol engine)
- earth on engine, C040 (1.4 petrol engine)
- injection control unit earth, C060 (1.2 petrol and 1.3 Multijet engines)

EARTHS - WIRING DIAGRAM



Component code	Description	Reference to the Operation
A001	BATTERY	Op. 5530B10 BATTERY - R+R
C002	BATTERY EARTH ON ENGINE	-
C003	BATTERY EARTH ON BODY SHELL	-
C010	LEFT FRONT EARTH	-
C011	RIGHT FRONT EARTH	-
C012	ABS FRONT EARTH	-
C015	DASHBOARD EARTH, DRIVER'S SIDE	-
C016	AIR CONDITIONING UNIT EARTH	-
C030	LEFT REAR EARTH	-
C031	RIGHT REAR EARTH	-
C032	REAR SCREEN EARTH	-
C039	COMPRESSOR EARTH	-
C040	EARTH ON ENGINE	-
C045	FAN EARTH	-
C050	AIR BAG SYSTEM EARTH	-
C060	INJECTION CONTROL UNIT EARTH	-

EARTHS - COMPONENT LOCATION



Component code	Description	Reference to the Operation
A001	BATTERY	Op. 5530B10 BATTERY - R+R
C002	BATTERY EARTH ON ENGINE	-
C003	BATTERY EARTH ON BODYSHELL	-
C010	LEFT FRONT EARTH	-
C011	RIGHT FRONT EARTH	-
C012	ABS FRONT EARTH	-
C015	DASHBOARD EARTH, DRIVER'S SIDE	-
C016	AIR CONDITIONING UNIT EARTH	-
C030	LEFT REAR EARTH	-
C031	RIGHT REAR EARTH	-
C032	REARSCREEN EARTH	-
C039	COMPRESSOR EARTH	-
C040	EARTH ON ENGINE	-
C045	FAN EARTH	-
C050	AIR BAG SYSTEM EARTH	-
C060	INJECTION CONTROL UNIT EARTH	-