



MASSE

334 - 500X

EARTHS - DESCRIPTION

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

This makes it easy to identify the earthed circuits on an individual line: faults and failures are therefore easier to locate in the case of problems that affect more than one function: for example, oxidation of an earth may put several circuits and numerous functions out of service simultaneously.

EARTHS - FUNCTIONAL DESCRIPTION

The earths present on the vehicle, categorised according to their relationship with the various wires, are as follows.

Radiator wiring:

- fan earth C045

Engine compartment wiring:

- front left earth C010A - C010B
- front right mass C011
- ABS/ESC earth C012
- electric steering earth C014
- engine control unit mass C060
- automatic transmission control unit mass/TCT (where provided) C061
- control unit mass/TCT (where provided) C108
- heated windscreen mass C114
- control unit mass 4x4 (where provided) C116

Dashboard wiring:

- driver-side courtesy light mass C015
- passenger side dashboard earth C020

Passenger compartment wiring:

- left rear mass C030
- right rear mass, C031
- LH passenger compartment earth C106A
- RH passenger compartment mass C107A - C107B
- heated rear window earth C032

Negative battery wiring:

- battery mass on gearbox C002
- battery mass on body C003

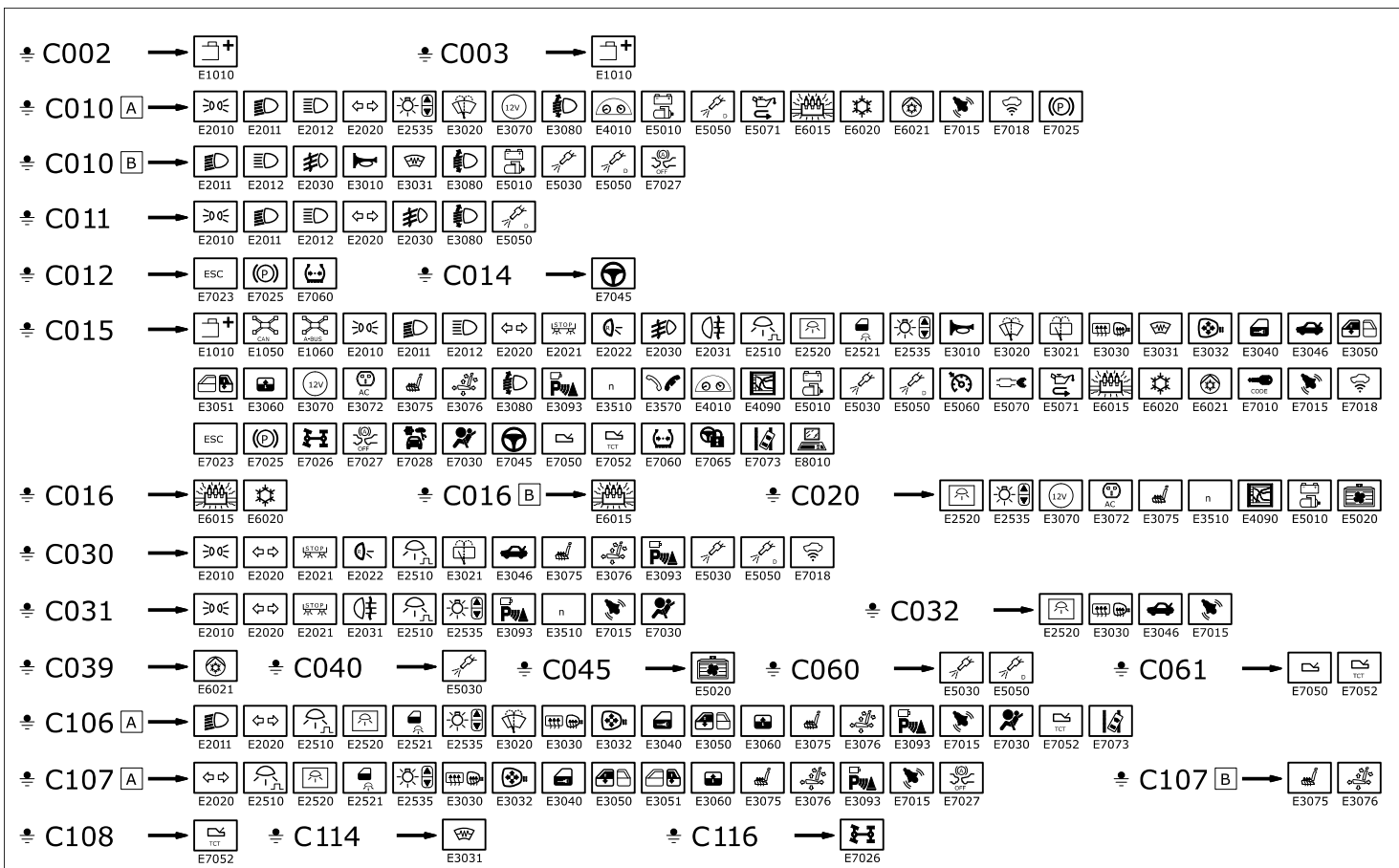
Engine wiring:

- compressor mass C039
- earth on engine C040

Air conditioning/heater wiring:

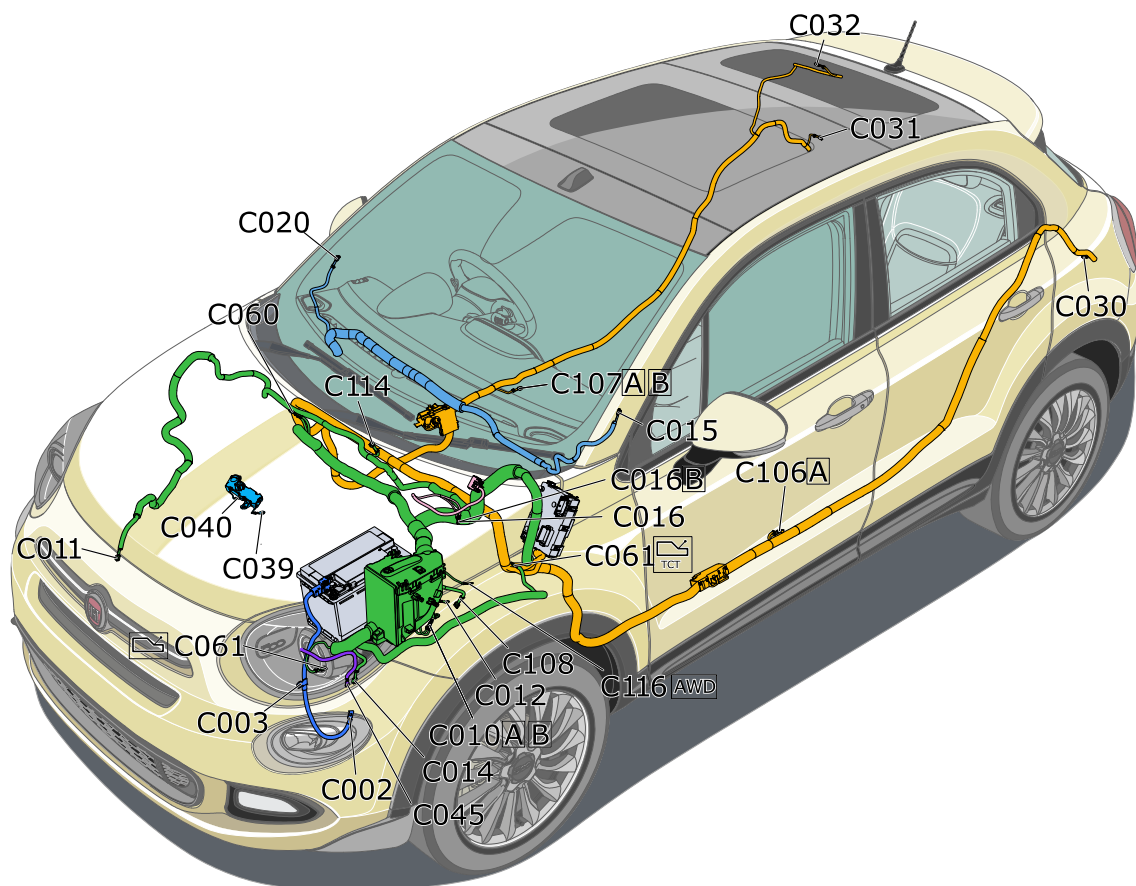
- air conditioning unit earth C016
- air conditioning unit (with PTC) earth C016B

EARTHS - WIRING DIAGRAM



Component code	Name	Reference to the operation
C002	BATTERY EARTH ON ENGINE	Op. 5530B22 BATTERY EARTH LEAD - R+R
C003	BATTERY EARTH ON BODY SHELL	Op. 5530B22 BATTERY EARTH LEAD - R+R
C010	LEFT FRONT EARTH	-
C011	RIGHT FRONT EARTH	-
C012	ABS FRONT EARTH	-
C014	ELECTRIC STEERING FRONT EARTH	-
C015	DASHBOARD EARTH, DRIVER'S SIDE	-
C016	AIR CONDITIONING UNIT EARTH	-
C020	PASSENGER SIDE DASHBOARD EARTH	-
C030	LEFT REAR EARTH	-
C031	RIGHT REAR EARTH	-
C032	REARSCREEN EARTH	-
C039	COMPRESSOR EARTH	-
C040	EARTH ON ENGINE	-
C045	FAN EARTH	-
C060	INJECTION CONTROL UNIT EARTH	-
C061	AUTOMATIC TRANSMISSION EARTH	-
C106	Compartment wiring earth, left side	-
C107	Compartment wiring earth, right side	-
C108	ROBOTISED GEARBOX CONTROL UNIT EARTH	-
C114	HEATED WINDSCREEN EARTH	-
C116	FOUR-WHEEL DRIVE EARTH CABLE	-

EARTHS - COMPONENT LOCATION



Component code	Name	Reference to the operation
C002	BATTERY EARTH ON ENGINE	Op. 5530B22 BATTERY EARTH LEAD - R+R
C003	BATTERY EARTH ON BODYSHELL	Op. 5530B22 BATTERY EARTH LEAD - R+R
C010	LEFT FRONT EARTH	-
C011	RIGHT FRONT EARTH	-
C012	ABS FRONT EARTH	-
C014	ELECTRIC STEERING FRONT EARTH	-
C015	DASHBOARD EARTH, DRIVER'S SIDE	-
C016	AIR CONDITIONING UNIT EARTH	-
C020	PASSENGER SIDE DASHBOARD EARTH	-
C030	LEFT REAR EARTH	-
C031	RIGHT REAR EARTH	-
C032	REARSCREEN EARTH	-
C039	COMPRESSOR EARTH	-
C040	EARTH ON ENGINE	-
C045	FAN EARTH	-
C060	INJECTION CONTROL UNIT EARTH	-
C061	AUTOMATIC TRANSMISSION EARTH	-
C106	Compartment wiring earth, left side	-
C107	Compartment wiring earth, right side	-
C108	ROBOTISED GEARBOX CONTROL UNIT EARTH	-
C114	HEATED WINDSCREEN EARTH	-
C116	FOUR-WHEEL DRIVE EARTH CABLE	-