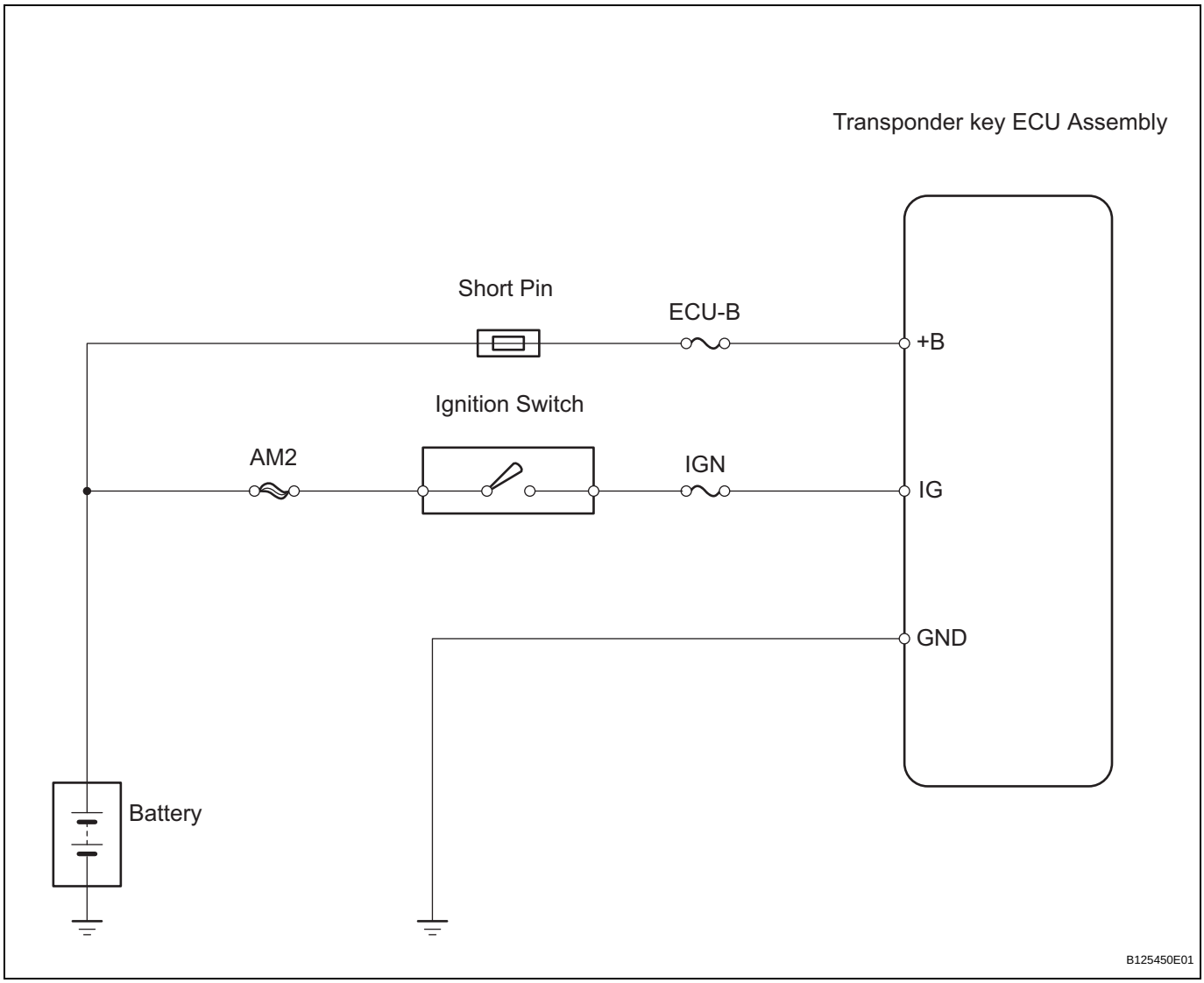
ECU Power Source Circuit

DESCRIPTION

This circuit provides power to operate the transponder key ECU assembly.

WIRING DIAGRAM



1	INSPECT FUSES (ECU-B AND IGN)

(a) Remove the ECU-B fuse from the engine room R/B and J/B.
(b) Remove the IGN fuse from the driver side J/B.
(c) Measure the resistance of the fuse.
Standard resistance:
Below 1Ω
(d) Reinstall fuses.

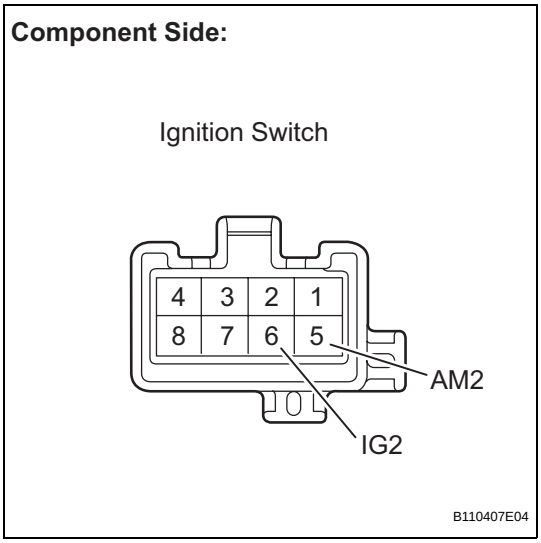
NG	REPLACE FUSE

EI

OK

2 INSPECT IGNITION SWITCH ASSEMBLY

Component Side:



(a) Remove the ignition switch.
(b) Measure the resistance of the switch.

Standard resistance

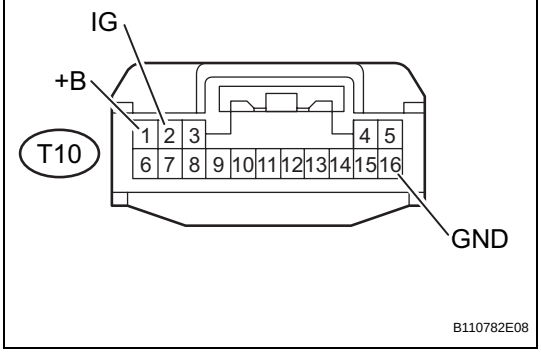
Tester Connection	Switch Condition	Specified Condition
5 (AM2) - 6 (IG2)	LOCK, ACC	10 kΩ or higher
	ON, START	Below 1 Ω

NG → REPLACE IGNITION SWITCH ASSEMBLY

OK

3 CHECK HARNESS AND CONNECTOR (TRANSPONDER KEY ECU ASSEMBLY - BATTERY AND BODY GROUND)

Wire Harness Side:



(a) Disconnect the T10 ECU connector.
(b) Measure the resistance and voltage of the wire harness side connector.

Standard resistance

Tester Connection	Condition	Specified Condition
T10-16 (GND) - Body ground	Always	Below 1 Ω

Standard voltage

Tester Connection	Condition	Specified Condition
T10-1 (+B) - Body ground	Always	10 to 14 V
T10-2 (IG) - Body ground	Ignition switch OFF	Below 1 V
	Ignition switch ON	10 to 14 V

(c) Reconnect the ECU connector.

NG → REPAIR OR REPLACE WIRE HARNESS AND CONNECTOR

OK

REPLACE TRANSPONDER KEY ECU ASSEMBLY

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