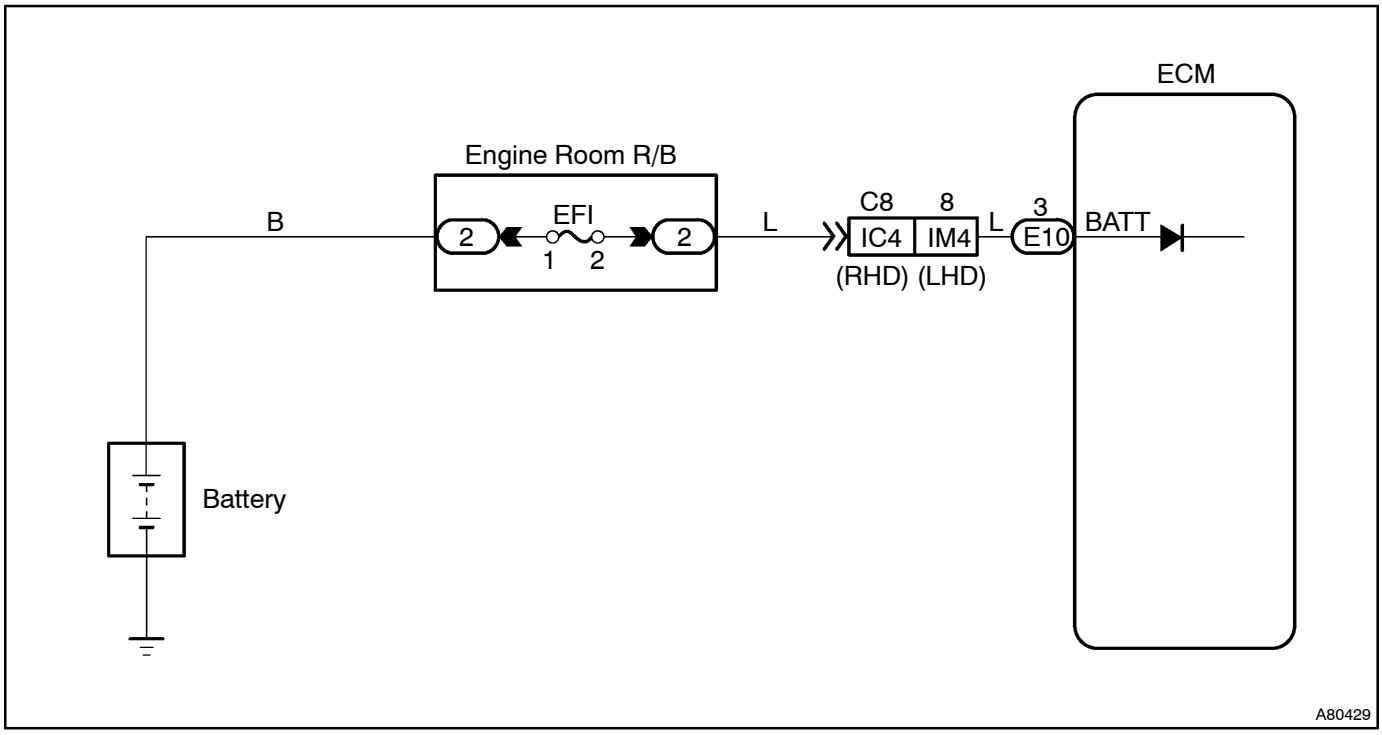
ECM BACK–UP POWER SOURCE CIRCUIT

CIRCUIT DESCRIPTION

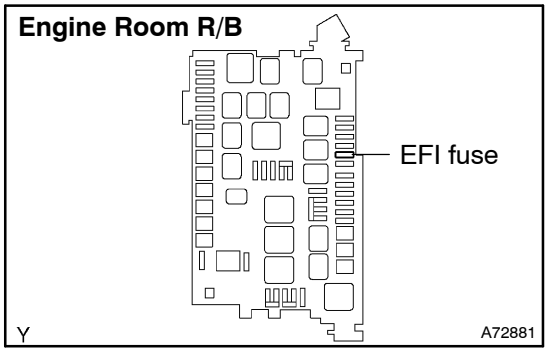
While the ignition switch is OFF, the battery positive voltage is supplied to terminal BATT of the ECM for the DTCs memory and air–fuel ratio adaptive control value memory, etc.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	CHECK FUSE(EFI FUSE)

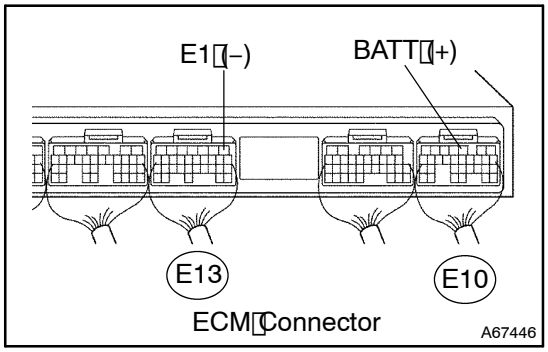


(a) Remove the EFI fuse from the engine room R/B.
(b) Check for continuity in the EFI fuse.
Standard: Continuity

NG → **CHECK FOR SHORT IN ALL HARNESSES AND COMPONENTS CONNECTED FUSE**

OK

2 INSPECT ECM (BATT VOLTAGE)



(a) Measure the voltage between the terminals of the E10 and E13 ECM connectors.

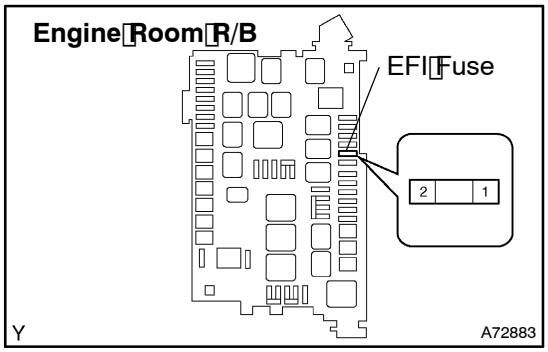
Standard:

Symbols (Terminal No.)	Specified condition
BATT (E10–3) – E1 (E13–1)	9 to 14 V

OK → **CHECK AND REPLACE ECM (See page 01–35)**

NG

3 CHECK HARNESS AND CONNECTOR (ECM – EFI FUSE, EFI FUSE – BATTERY)



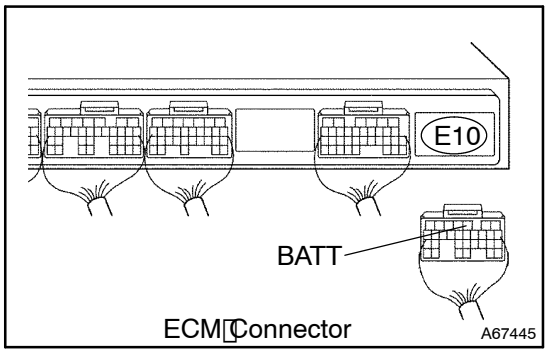
(a) Check the harness and the connector between the EFI fuse and the ECM .
(1) Remove the EFI fuse from the engine room R/B.
(2) Disconnect the E10 ECM connector.
(3) Check for continuity between the wire harness side connectors.

Standard (Check for open):

Symbols (Terminal No.)	Specified condition
EFI fuse (2) – BATT (E10–3)	Continuity

Standard (Check for short):

Symbols (Terminal No.)	Specified condition
EFI fuse (2) or BATT (E10–3) – Body ground	No continuity



(b) Check the harness and the connector between the EFI fuse and the battery.
(1) Remove the EFI fuse from the engine room R/B.
(2) Disconnect the battery positive terminal.
(3) Check for continuity between the wire harness side connectors.

Standard (Check for open):

Symbols (Terminal No.)	Specified condition
Battery positive terminal – EFI fuse (1)	Continuity

Standard (Check for short):

Symbols (Terminal No.)	Specified condition
Battery positive terminal or EFI fuse (1) – Body ground	No continuity

NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

CHECK AND REPLACE ENGINE ROOM RELAY BLOCK