DTC	P0560	SYSTEM VOLTAGE

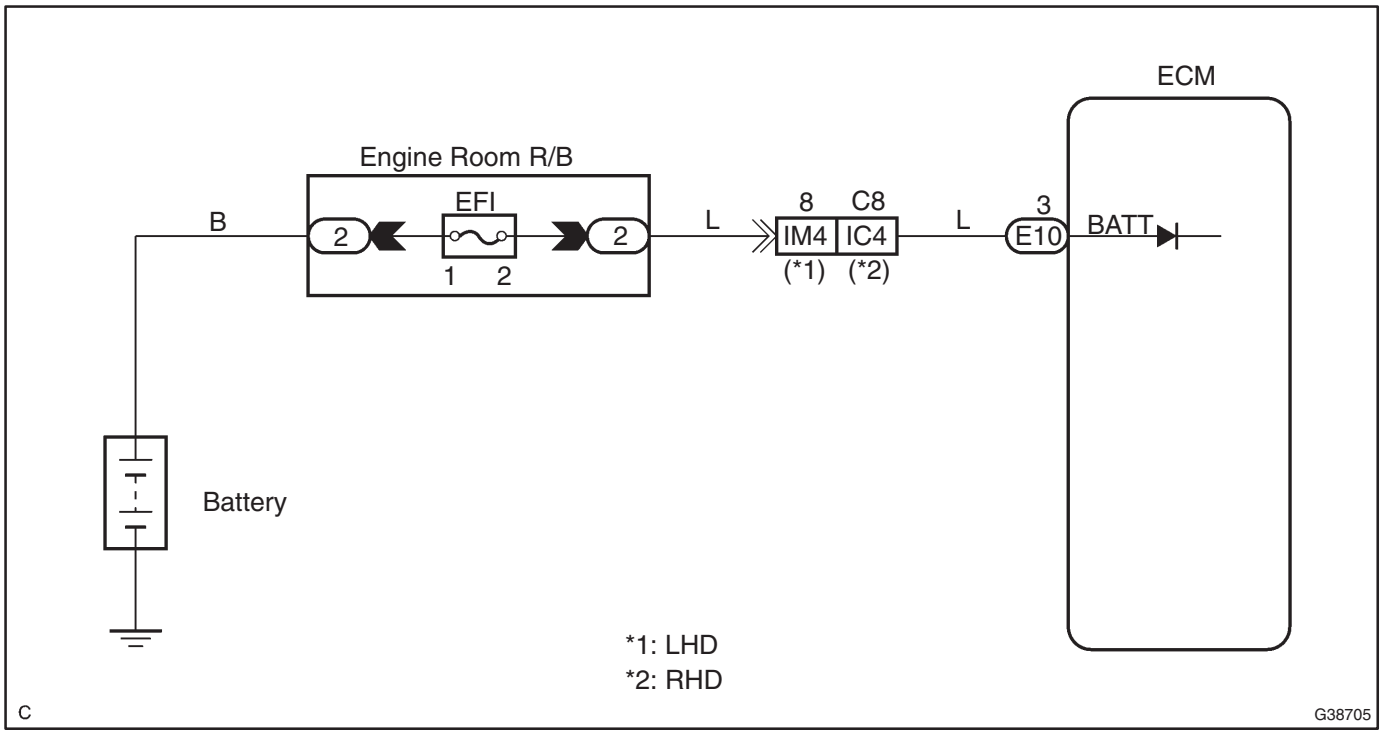
CIRCUIT DESCRIPTION

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

DTC No.	DTC Detection Condition	Trouble Area
P0560	Open in back–up power source circuit	• Open in back–up power source circuit • ECM

HINT:
If DTC P0560 appears, the ECM does not store another DTC.

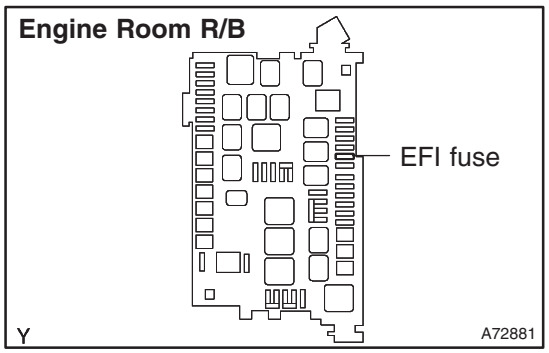
WIRING DIAGRAM



INSPECTION PROCEDURE

HINT:
Read freeze frame data using the Intelligent Tester II. Freeze frame data records the engine conditions when a malfunction is detected. When troubleshooting, freeze frame data can help determine if the vehicle was running or stopped, if the engine was warmed up or not, if the air–fuel ratio was lean or rich, and other data from the time the malfunction occurred.

1 CHECK FUSE(EFI FUSE)

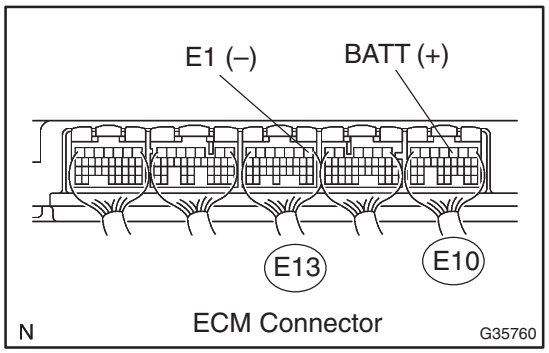


(a) Remove the EFI fuse from the engine room R/B.
(b) Check for continuity in the EFI fuse.
Standard: Continuity

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

OK

2 INSPECT ECM(BATT VOLTAGE)



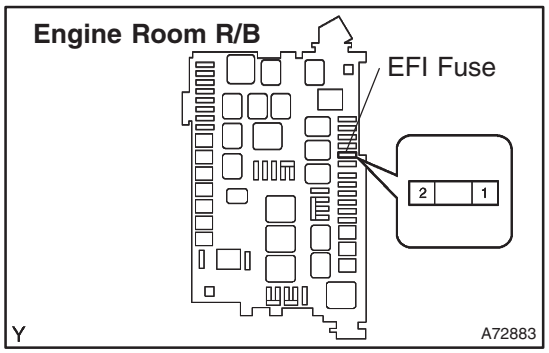
(a) Measure the voltage between the terminals of the E10 and E13 ECM connectors.
Standard:

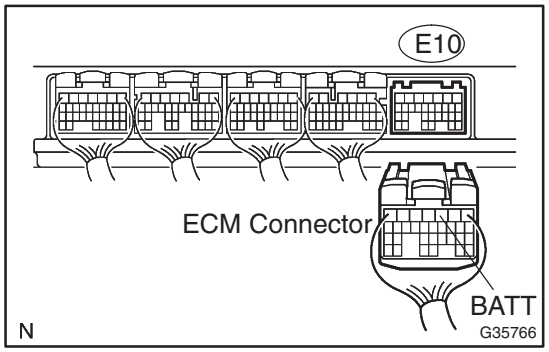
Symbols (Terminal No.)	Specified condition
BATT (E10–3) – E1 (E13–1)	9 to 14 V

OK → **REPLACE ECM (See Pub. No. RM1017E, page 10–11)**

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

Standard (Check for open):

Symbols (Terminal No.)	Specified condition
EFI fuse (2) – BATT (E10–3)	Below 1 Ω

Standard (Check for short):

Symbols (Terminal No.)	Specified condition
EFI fuse (2) or BATT (E10–3) – Body ground	10 kΩ or higher

(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 negative 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)	Below 1 Ω

Standard (Check for short):

Symbols (Terminal No.)	Specified condition
Battery positive terminal or EFI fuse (1) – Body ground	10 kΩ or higher

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

OK

REPLACE ENGINE ROOM RELAY BLOCK