DTC	P0560	SYSTEM VOLTAGE

CIRCUIT DESCRIPTION

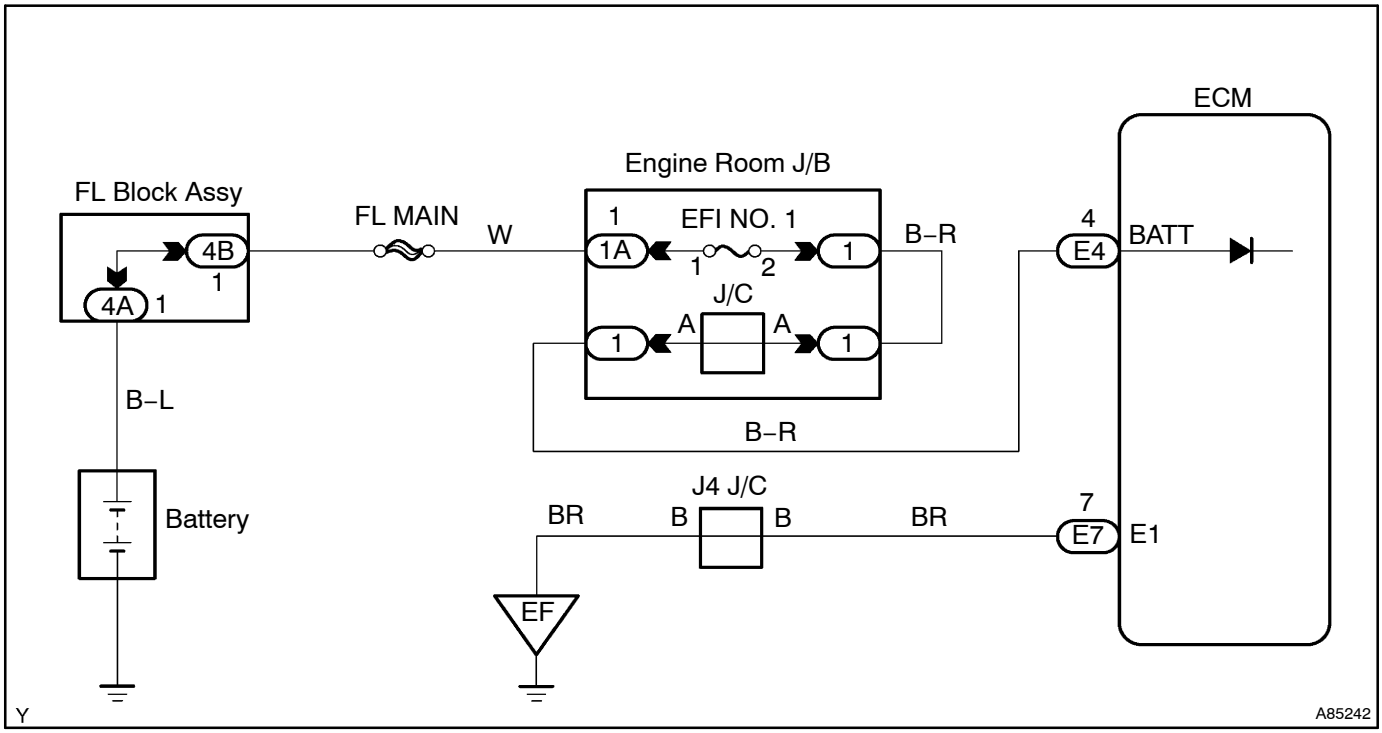
The battery supplies electricity to the ECM even when the ignition switch is OFF. This electricity allows the ECM to store data such as DTC history, freeze frame data, fuel trim values, and other data. If the battery voltage falls below a minimum level, these memory are cleared and the ECM will conclude that there is a fault in the power supply circuit. At the next engine start, the ECM will turn on the MIL and set a DTC.

DTC No.	DTC Detection Condition	Trouble Area
P0560	Open in back–up power source circuit BATT is less than 3.5 V	• Open in back–up power source circuit • ECM

HINT:

If DTC P0560 is present, the ECM will not store other DTCs.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	READ VALUE OF INTELLIGENT TESTER II (BATTERY VOLTAGE)

(a) Connect the Intelligent Tester II to the DLC 3.

(b) Enter the following menus: Enter/ Diagnosis/ OBD·MOBD/ Power train/ Engine and ECT/ Data List/ All Data/ Battery Voltage.

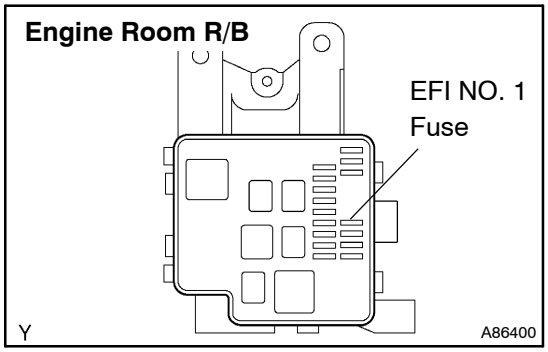
Result:

Battery voltage	Proceed to
Battery voltage is 0 V	A
Battery voltage is except 0 V	B

B → **Go to step 3**

A

2 CHECK FUSE (EFI NO. 1 FUSE)



(a) Remove the EFI NO. 1 fuse from the engine room Relay Block (R/B).

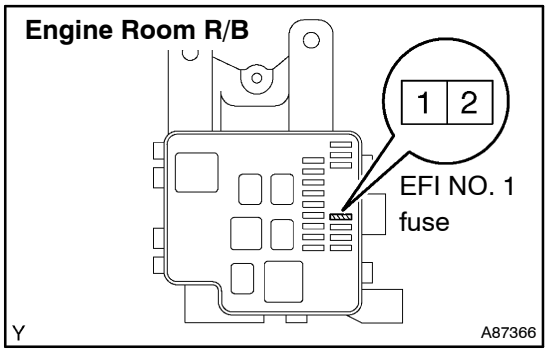
(b) Measure the resistance of the EFI No.1 fuse.

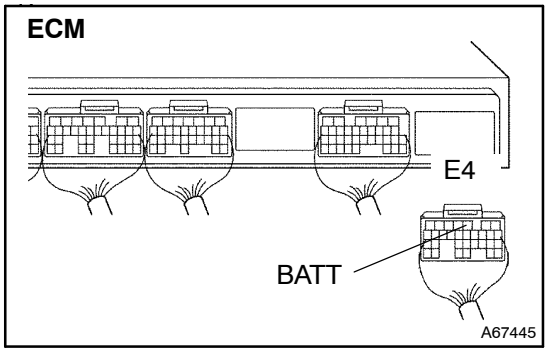
Standard: Below 1 Ω

NG → **REPLACE FUSE AND FIND CAUSE FOR FUSE BEING BLOWN**

OK

3 CHECK WIRE HARNESS (ECM – EFI NO. 1 FUSE – BATTERY)





(a) Check the harness and the connector between the EFI NO. 1 fuse and the ECM.

(1) Remove the EFI NO. 1 fuse from the engine room R/B.

(2) Disconnect the E4 ECM connector.

(3) Measure the resistance of the wire harness side connectors.

Standard:

Tester Connection	Specified Condition
R/B terminal 2 of EFI NO. 1 fuse – E3–4 (BATT)	Below 1 Ω
R/B terminal 2 of EFI NO. 1 fuse or E4–4 (BATT) – Body ground	10 kΩ or higher

(b) Check the wire harness between the EFI NO. 1 fuse and the battery.

(1) Remove the EFI NO. 1 fuse from the engine room R/B.

(2) Disconnect the battery positive terminal.

(3) Measure the resistance of the wire harness side connectors.

Standard:

Tester Connection	Specified Condition
Battery positive terminal – R/B terminal 1 of EFI NO. 1 fuse	Below 1 Ω
Battery positive terminal or R/B terminal 1 of EFI NO. 1 fuse – Body ground	10 kΩ or higher

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

OK

4	INSPECT BATTERY

Check that the battery is not depleted.

NG → REPLACE BATTERY

OK

CHECK FOR INTERMITTENT PROBLEMS (See page 05–11)