

DTC	P0560	SYSTEM VOLTAGE
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CIRCUIT DESCRIPTION

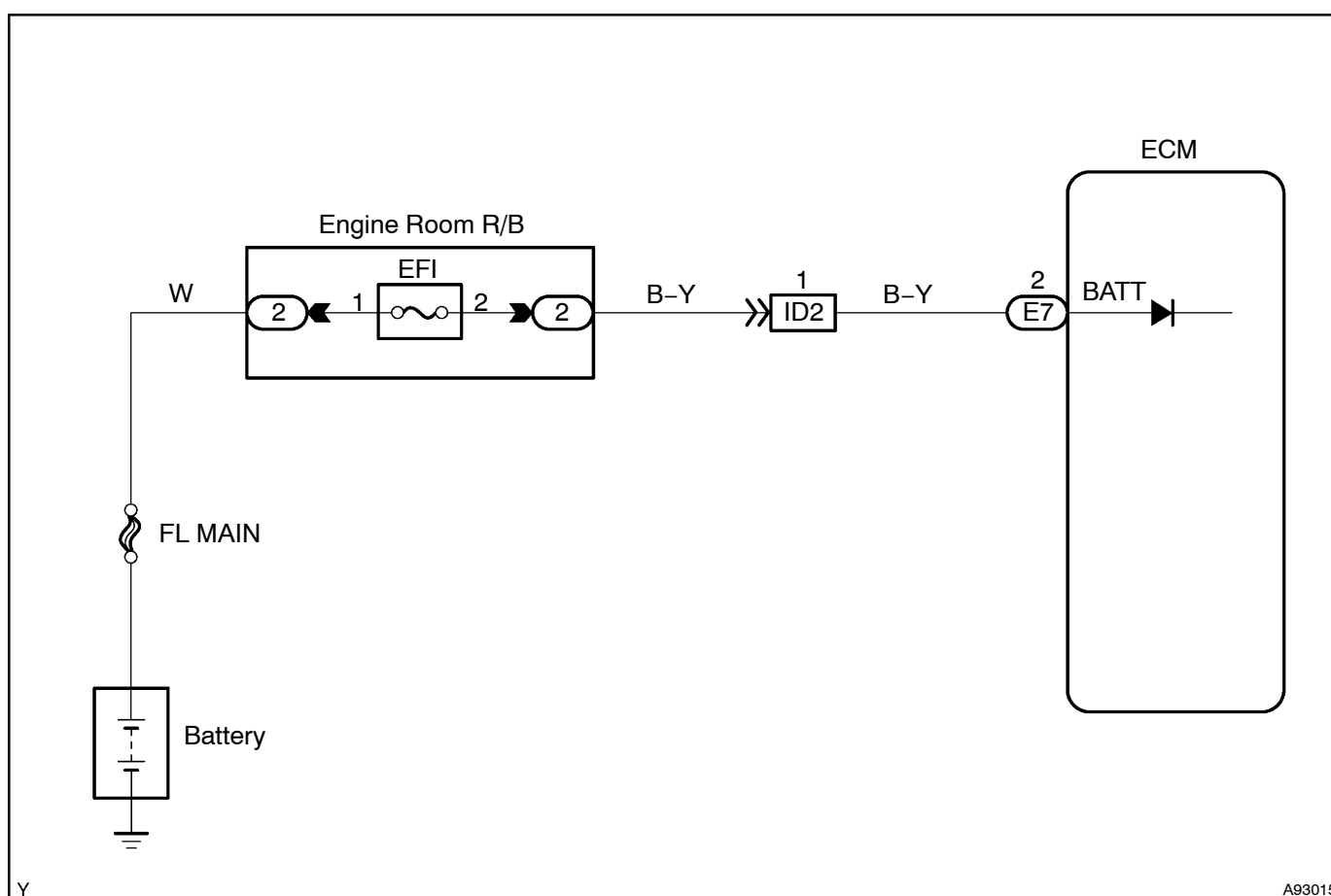
The battery supplies electricity to terminal BATT of the ECM even when the ignition switch is OFF. This electricity allows the ECM to store DTC history, freeze frame data, fuel injection feedback learning values, and other data.

DTC No.	DTC Detection Condition	Trouble Area
P0560	Condition (a) or (b) continues: (a) Significant decrease in battery voltage (b) Open in backup power source circuit (1 trip detection logic)	<ul style="list-style-type: none"> • Open in backup power source circuit • Low battery voltage • ECM

HINT:

If DTC P0560 is set, the ECM does not store other DTCs.

WIRING DIAGRAM



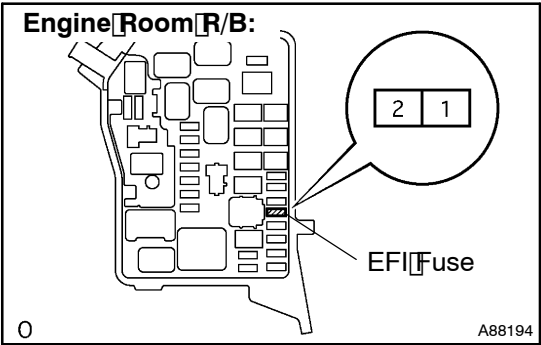
INSPECTION PROCEDURE

HINT:

Read freeze frame data using the intelligent tester II. Freeze frame data record the engine condition when malfunctions are detected. When troubleshooting, freeze frame data can help determine if the vehicle was moving or stationary, if the engine was warmed up or not, 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 the EFI fuse resistance.
- Standard:** Below 1 Ω
- (c) Reinstall the EFI fuse.

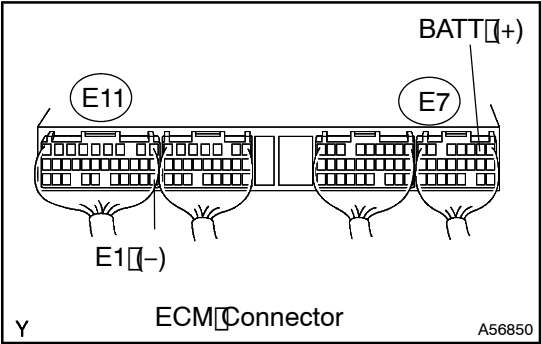
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CHECK FOR SHORT IN ALL HARNESSES AND COMPONENTS CONNECTED TO FUSE

OK

2

INSPECT ECM (BATT VOLTAGE)



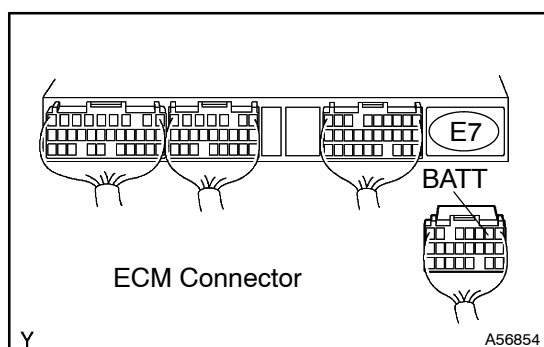
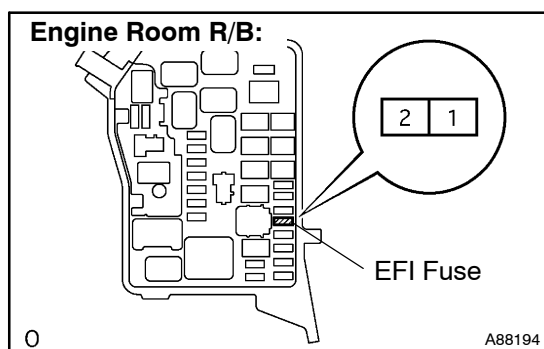
- (a) Measure the voltage between the specified terminals of the E7 and E11 ECM connectors.
- Standard:**

Tester Connection	Specified Condition
BATT (E7-2) - E1 (E11-22)	9 to 14 V

OK

REPLACE ECM (See page 10-30)

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

(a) Check the harness and connectors between the EFI fuse and ECM.

- (1) Remove the EFI fuse from the engine room R/B.
- (2) Disconnect the E7 ECM connector.
- (3) Check the resistance.

Standard (Check for open):

Tester Connection	Specified Condition
EFI fuse (2) - BATT (E7-2)	Below 1 Ω

Standard (Check for short):

Tester Connection	Specified Condition
EFI fuse (2) or BATT (E7-2) - Body ground	10 k Ω or higher

- (4) Reinstall the EFI fuse.
- (5) Reconnect the ECM connector.

(b) Check the harness and connector between the EFI fuse and battery.

- (1) Remove the EFI fuse from the engine room R/B.
- (2) Disconnect the positive battery cable.
- (3) Check the resistance.

Standard (Check for open):

Tester Connection	Specified Condition
Positive battery cable terminal - EFI fuse (1)	Below 1 Ω

Standard (Check for short):

Tester Connection	Specified Condition
Positive battery cable terminal or EFI fuse (1) - Body ground	10 k Ω or higher

- (4) Reinstall the EFI fuse.
- (5) Reconnect the positive battery cable.

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REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

4 INSPECT BATTERY(VOLTAGE)
(See page 19-12 of Pub. No. RM864E AVENSIS VERSO/ PICNIC REPAIR MANUAL)

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REPAIR OR REPLACE BATTERY

OK

REPLACE ENGINE ROOM RELAY BLOCK