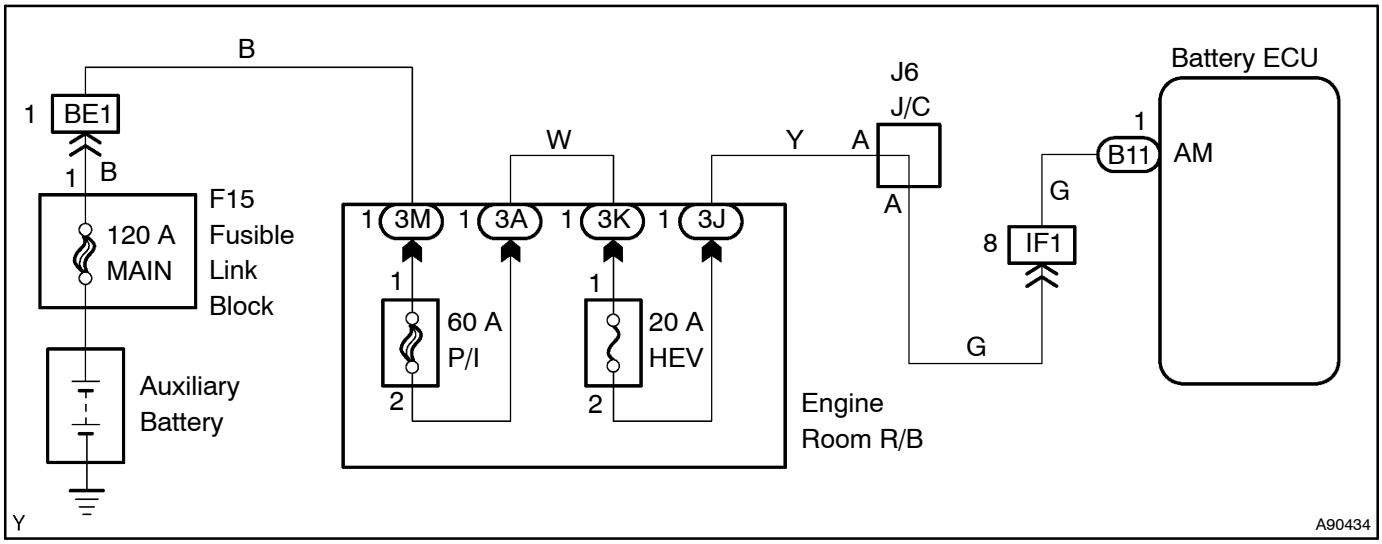
DTC	P0560	SYSTEM VOLTAGE

CIRCUIT DESCRIPTION

The battery power is constantly supplied to the AM terminal of the battery ECU for the purpose of maintaining the DTCs and freeze frame data in memory. This voltage is supplied as a backup even if the power switch is turned OFF.

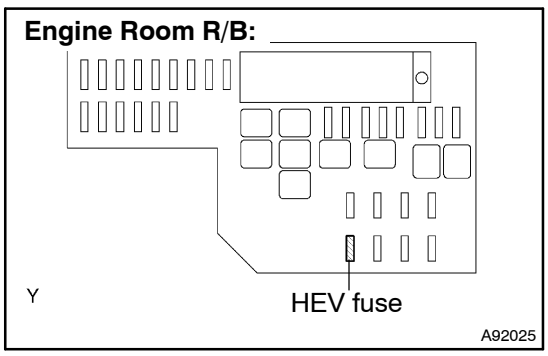
DTC No.	DTC Detection Condition	Trouble Area
P0560	Open in auxiliary battery power supply system while battery power is supplied to terminal IGCT (1trip detection logic)	• Wire harness or connector • HEV fuse • Battery ECU

WIRING DIAGRAM



INSPECTION PROCEDURE

1	CHECK FUSE(HEV 20 A)

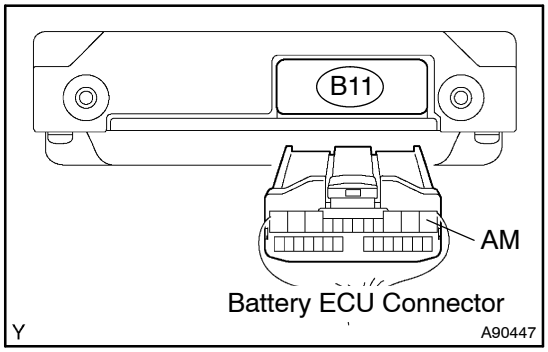


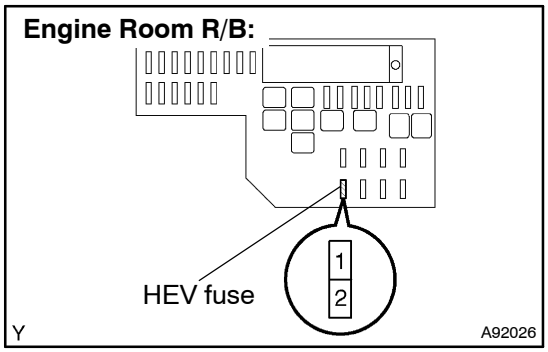
(a) Remove the HEV fuse from the engine room R/B.
(b) Check the resistance in the HEV fuse.
Standard: Below 1 Ω
(c) Reinstall the HEV fuse.

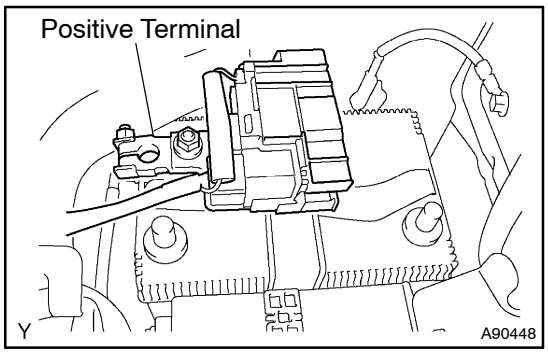
NG → **Go to step 3**

OK

2 CHECK HARNESS AND CONNECTOR(BATTERY ECU – AUXILIARY BATTERY)







(a) Disconnect the negative auxiliary battery terminal.
(b) Disconnect the positive auxiliary battery terminal.
(c) Remove the HEV fuse from the engine room R/B.
(d) Disconnect the B11 battery ECU connector.
(e) Check the resistance between the wire harness side connectors.

Standard (Check for open):

Tester Connection	Specified Condition
AM (B11–1) – HEV fuse (2)	Below 1 Ω

NOTICE:

When taking a measurement with a tester, do not apply excessive force to the tester probe to avoid damaging the holder.

(f) Check the resistance between the wire harness side connectors.

Standard (Check for open):

Tester Connection	Specified Condition
HEV fuse (1) – positive auxiliary battery terminal	Below 1 Ω

NOTICE:

When taking a measurement with a tester, do not apply excessive force to the tester probe to avoid damaging the holder.

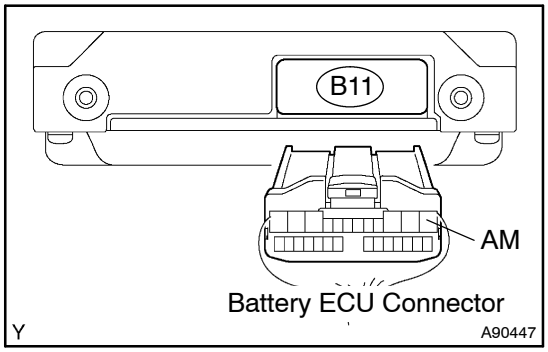
(g) Reconnect the battery ECU connector.
(h) Reinstall the HEV fuse.
(i) Reconnect the positive auxiliary battery terminal.
(j) Reconnect the negative auxiliary battery terminal.

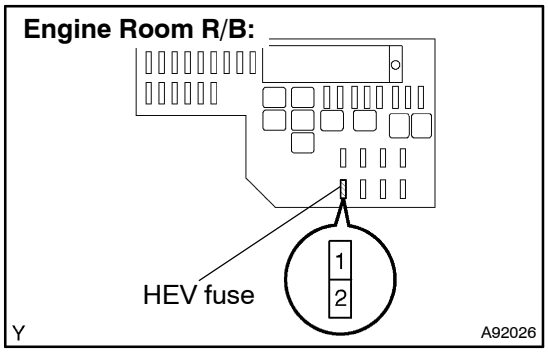
NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

CHECK AND REPAIR CONNECTOR CONNECTION

3 CHECK HARNESS AND CONNECTOR(BATTERY ECU – HEV FUSE)





(a) Disconnect the B11 battery ECU connector.
(b) Remove the HEV fuse from the engine room R/B.
(c) Check the resistance between the wire harness side connector and body ground.

Standard (Check for short):

Tester Connection	Specified Condition
AM (B11–1) or HEV fuse (2) – Body ground	10 kΩ or higher

NOTICE:

When taking a measurement with a tester, do not apply excessive force to the tester probe to avoid damaging the holder.

(d) Reconnect the battery ECU connector.
(e) Reinstall the HEV fuse.

NG → **AFTER REPAIRING OR REPLACING HARNESS OR CONNECTOR, REPLACE FUSE (HEV 20A)**

OK

REPLACE FUSE (HEV 20 A)