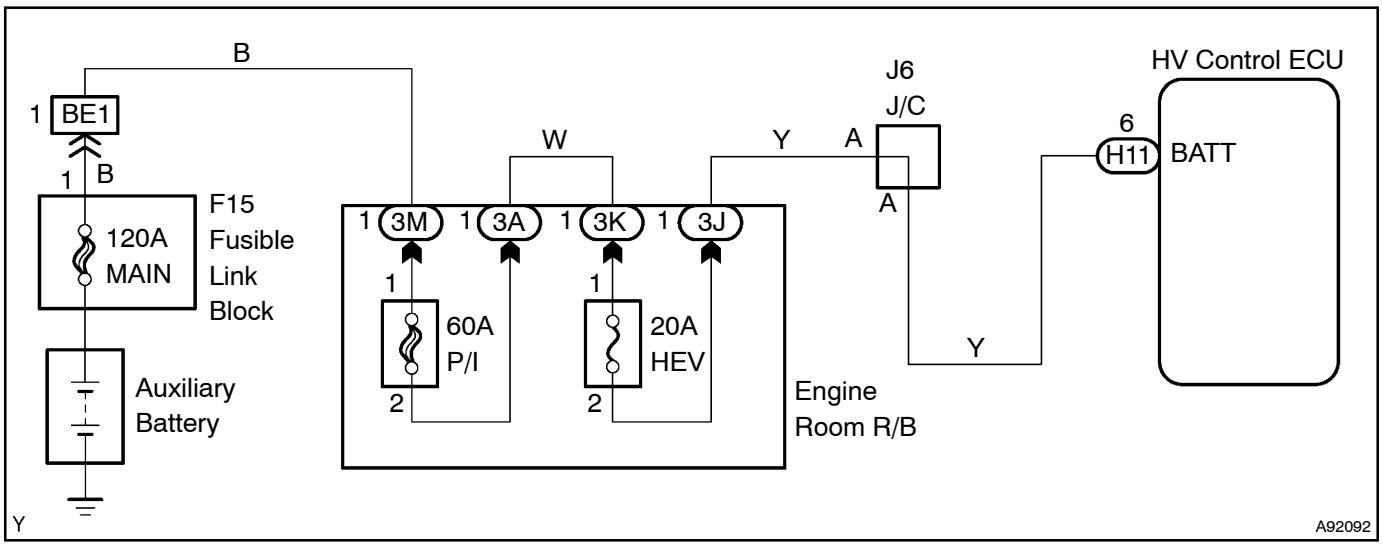
DTC P0560/117 SYSTEM VOLTAGE

CIRCUIT DESCRIPTION

Since the ECU back–up power source is used for DTCs and freeze frame data memory, the back–up power source (BATT) continues to be supplied to the HV control ECU even though the power switch is turned OFF.

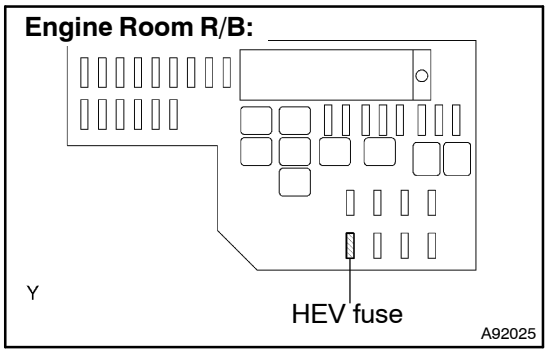
DTC No.	INF Code	DTC Detection Condition	Trouble Area
P0560	117	HV control ECU back–up power source circuit malfunction	• Wire harness or connector • HEV fuse

WIRING DIAGRAM



INSPECTION PROCEDURE

1	CHECK FUSE(HEV 20 A)

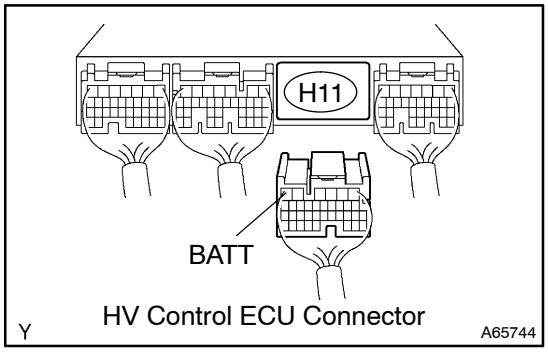


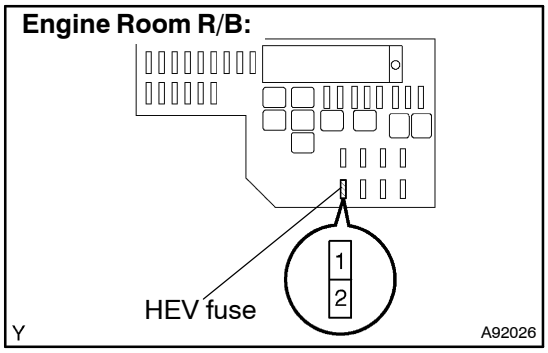
(a) Remove the HEV fuse from the engine room R/B.
(b) Check the resistance in the HEV fuse.
Standard: Below 1 Ω
(c) Reinstall the HEV fuse.

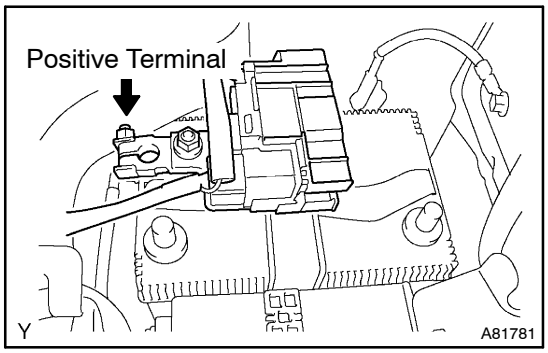
NG → **Go to step 3**

OK

2	CHECK HARNESS AND CONNECTOR(HYBRID VEHICLE CONTROL 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 H11 HV control ECU connector.
(e) Check the resistance between the wire harness side connectors.

Standard (Check for open):

Tester Connection	Specified Condition
BATT (H11–6) – 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.

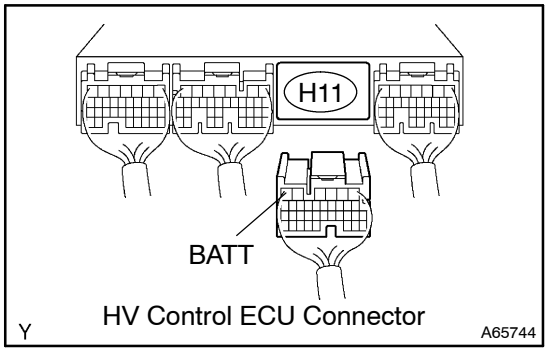
(g) Reconnect the HV control ECU connector.
(h) Reinstall the HEV fuse.
(i) Reconnect the positive auxiliary battery terminal.
(j) Reconnect the negative auxiliary battery terminal.

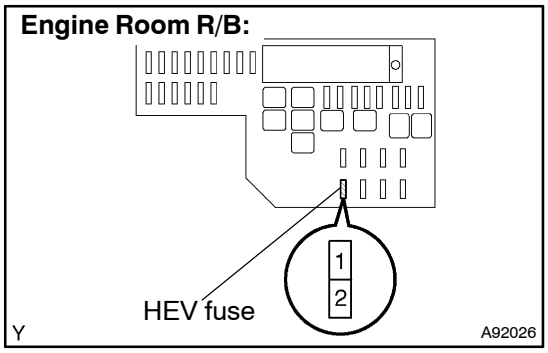
NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

CHECK AND REPAIR CONNECTOR CONNECTION

3	CHECK HARNESS AND CONNECTOR(HYBRID VEHICLE CONTROL ECU – HEV FUSE)





(a) Disconnect the H11 HV control ECU connector.
(b) Remove the HEV fuse from the engine room R/B.
(c) Check the resistance between the wire harness side connectors.

Standard (Check for short):

Tester Connection	Specified Condition
BATT (H11–6) 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) Reinstall the HEV fuse.
(e) Reconnect the HV control ECU connector.

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

OK

REPLACE FUSE (HEV 20 A)