

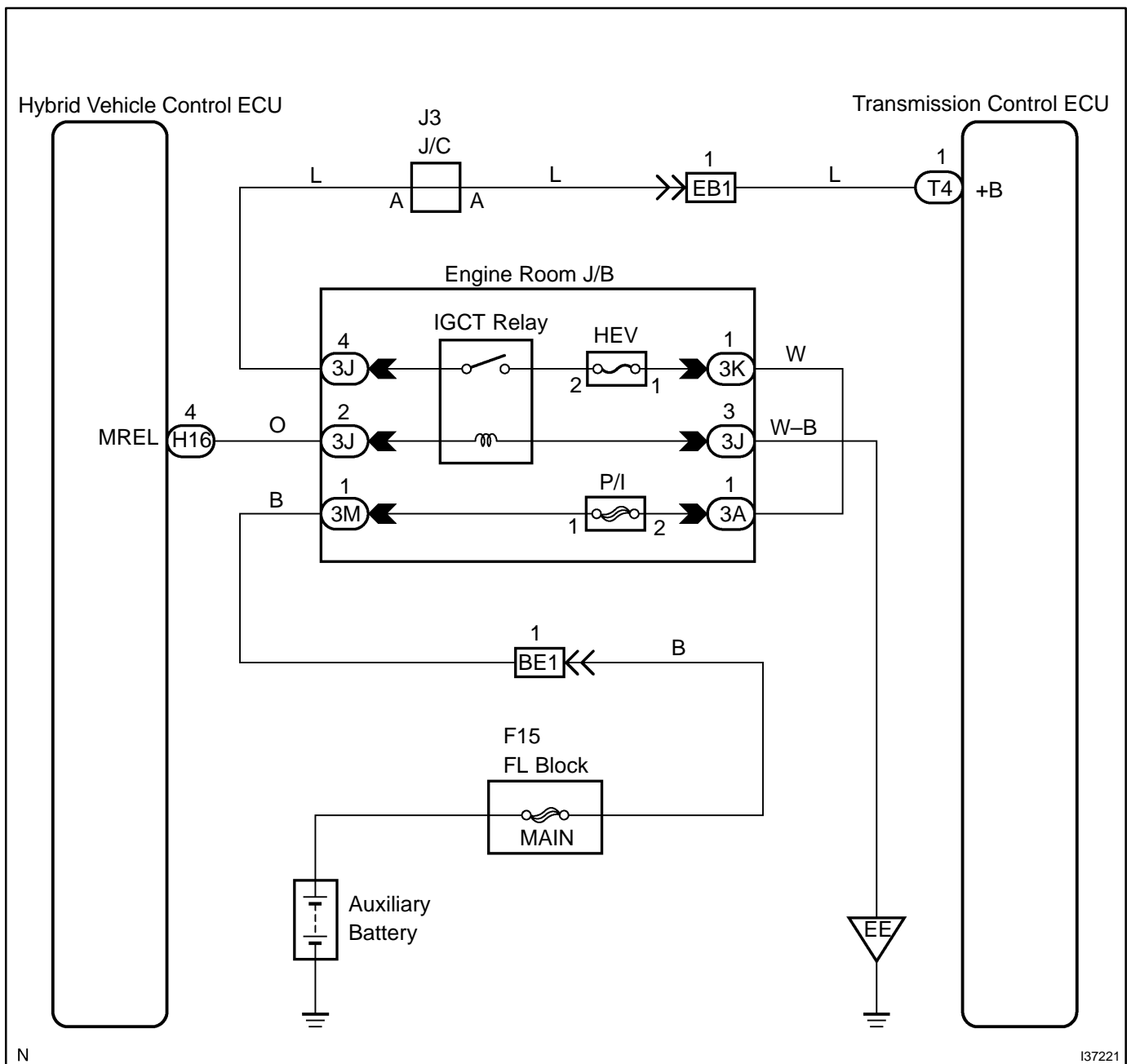
DTC	C2318	LOW VOLTAGE ERROR (POWER SUPPLY MALFUNCTION)
------------	--------------	---

CIRCUIT DESCRIPTION

The auxiliary battery voltage is applied to terminal +B when the power switch is on (IG). The transmission control ECU outputs this DTC when the input voltage drops.

DTC No.	DTC detecting condition	Trouble area
C2318	<ul style="list-style-type: none"> • Power switch on (IG) • Terminal +B voltage of the transmission control ECU is 9.3 V or less for 1 sec. or more. 	<ul style="list-style-type: none"> • HEV fuse • IGCT relay • Wire harness or connector • Auxiliary battery

WIRING DIAGRAM

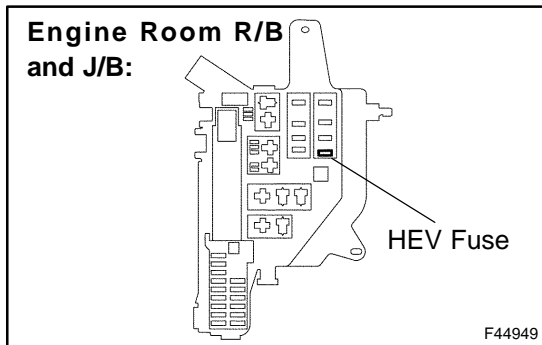


N

137221

INSPECTION PROCEDURE

1 INSPECT FUSE(HEV FUSE)



- (a) Remove the HEV fuse from the engine room R/B and J/B.
 - (b) Check for continuity of the HEV fuse.
- Standard: Continuity**

NG → **INSPECT FOR SHORT IN ALL COMPONENTS CONNECTED TO FUSE AND REPAIR OR REPLACE THEM IF NEEDED, AND REPLACE FUSE**

OK

2 CHECK OTHER DTC OUTPUT(BESIDE C2318)

- (a) Connect the hand-held tester to the DLC3.
- (b) Turn the power switch on (IG).
- (c) Turn the hand-held tester on.
- (d) Read the DTCs.

Result:

Display (DTC output)	Proceed to
No output	A
P3110-223	B

HINT:

DTC P3110 indicates HV main relay malfunction: DTC P3110-223 indicates "IGCT relay malfunction".

B → **REPAIR CIRCUIT INDICATED BY OUTPUT CODE (SEE PAGE 05-824)**

A

3 READ VALUE ON HAND-HELD TESTER

- (a) Connect the hand-held tester to the DLC3.
- (b) Turn the power switch on (IG).
- (c) Turn the hand-held tester on.
- (d) Select the item below in the DATA LIST, and read its value displayed on the hand-held tester.

Item	Measurement Item/ Range (Display)	Normal Condition
IG (+B) VOL VAL	IG (+B) voltage value/min: 0 V, max: 20 V	Actual power supply voltage 9 to 14 V

Standard:

Voltage: 9 to 14 V

OK → **REPLACE TRANSMISSION CONTROL ECU ASSY**

NG

**REPAIR OR REPLACE HARNESS OR CONNECTOR
(ENGINE ROOM R/B AND J/B – TRANSMISSION CONTROL ECU ASSY)**