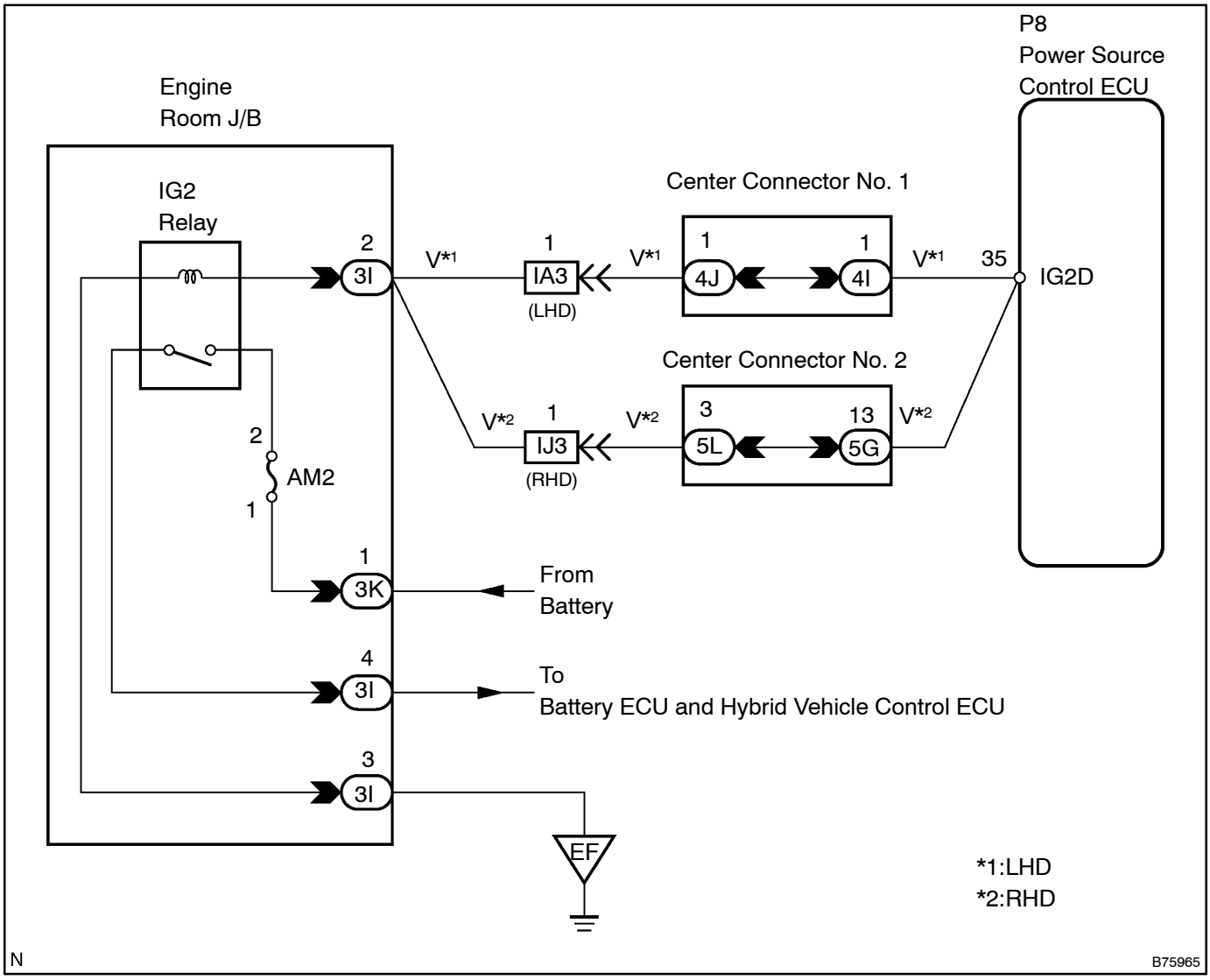
DTC B2273 IGNITION 2 MONITOR MALFUNCTION

CIRCUIT DESCRIPTION

This DTC is output when the IG output circuit from the inside of the power source control ECU to the IG2 relay is malfunctioning.

DTC No.	DTC detection condition	Trouble area
B2273	IG2 relay actuation circuit inside power source control ECU or other related circuits is malfunctioning	• Power source control ECU • IG2 relay • Wire harness

WIRING DIAGRAM



INSPECTION PROCEDURE

1	READ VALUE OF INTELLIGENT TESTER II

(a) Connect the intelligent tester II to the DLC3.
(b) Turn the power switch ON (IG) and press the intelligent tester II main switch ON.
(c) Read the DATA LIST according to the displays on the tester.
Standard (Power source control ECU):

Item	Measurement Item / Display (Range)	Normal Condition	Diagnostic Note
IG1 Relay Mon 2	States of the IG2 Inner Relay Monitor / ON or OFF	ON: Power switch ON (IG2 relay is ON) OFF: Power switch OFF (IG2 relay is OFF)	–

OK: ”ON” (Power switch ON (IG)) appears on the screen.

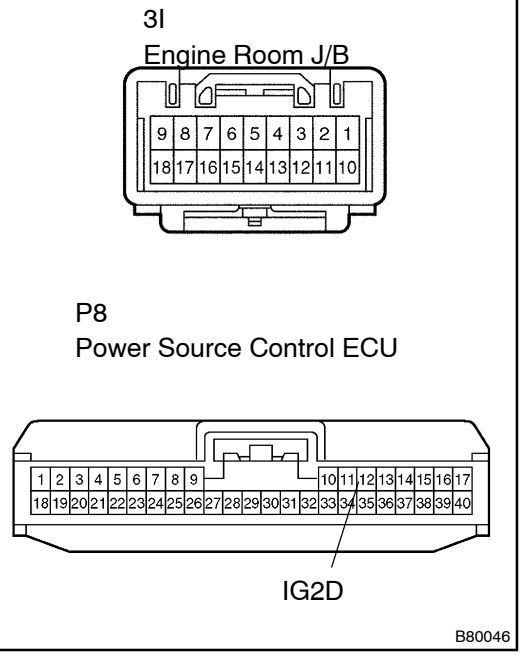
NG → **Go to step 2**

OK

REPLACE POWER SOURCE CONTROL ECU

2	CHECK WIRE HARNESS (ENGINE ROOM J/B – POWER SOURCE CONTROL ECU AND BODY GROUND)

Wire Harness Side



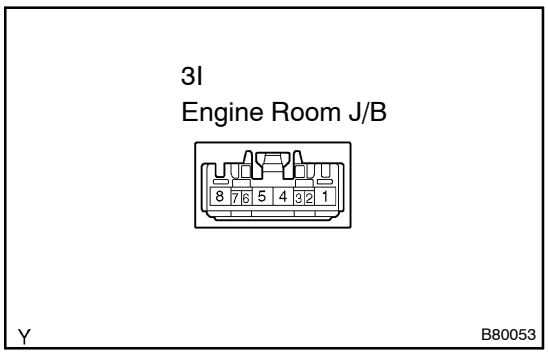
(a) Disconnect the 3I J/B connector.
(b) Disconnect the P8 ECU connector.
(c) Measure the resistance between the wire harness side connectors and body ground.
Standard:

Tester Connection	Specified Condition
3I–2 – P8–35 (IG2D)	Below 1 Ω
3I–3 – Body ground	Below 1 Ω

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

OK

3	CHECK ENGINE ROOM J/B



(a) Disconnect the 3I and 3K engine room J/B connector.
(b) Measure the resistance of engine room J/B.

Standard:

Tester Connection	Condition	Specified Condition
3K–1 – 3I–1	When battery voltage is not applied to terminals 3I–2 and 3I–3	10 kΩ or higher
3K–1 – 3I–1	When battery voltage is applied to terminals 3I–2 and 3I–3	Below 1 Ω

NG → **REPLACE ENGINE ROOM J/B**

OK

REPLACE POWER SOURCE CONTROL ECU