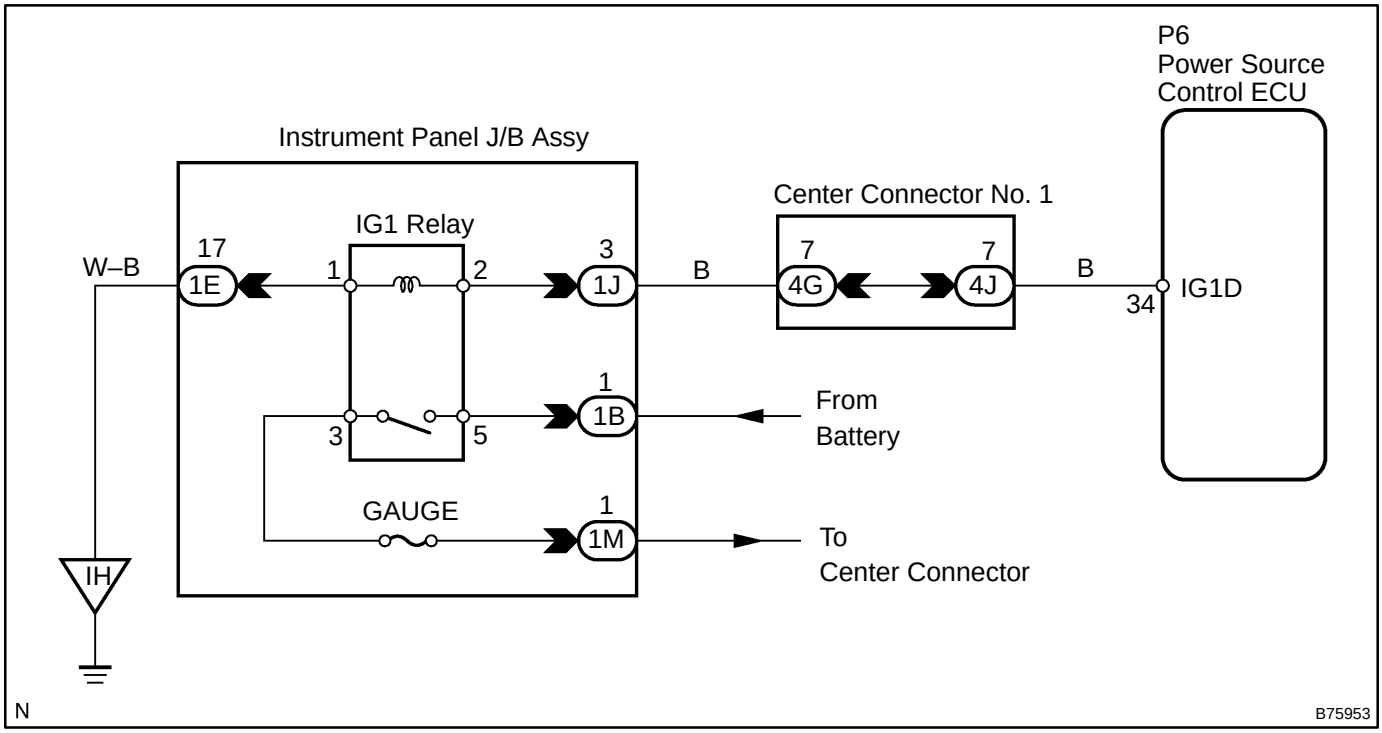
DTC B2272 IGNITION 1 MONITOR MALFUNCTION

CIRCUIT DESCRIPTION

This DTC is output when the IG output circuit from the inside of the power source control ECU to the IG1 relay is malfunctioning.

DTC No.	DTC Detection Condition	Trouble Area
B2272	IG1 relay actuation circuit inside power source control ECU or other related circuits is malfunctioning	• Power source control ECU • IG1 relay • Wire harness

WIRING DIAGRAM



INSPECTION PROCEDURE

1	READ VALUE OF HAND–HELD TESTER

(a) Connect the hand–held tester (with CAN VIM) to the DLC3.
(b) Turn the power switch ON (IG) and press the hand–held tester main switch ON.
(c) Select the items below in the DATA LIST, and read the displays on the hand–held tester.

Standard (Power source control ECU):

Item	Measurement Item/Range (Display)	Normal Condition	Diagnostic Note
IG1 RELAY MON 1	States of the IG1 Outer Relay Monitor/ ON or OFF	ON: Power switch ON (IG) OFF: Power switch OFF	–

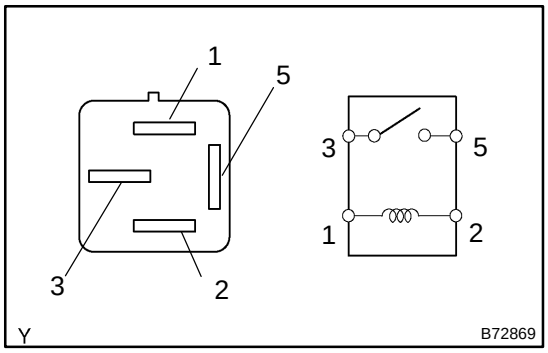
OK: ”ON” (power switch ON (IG)) appears on the screen.

NG → **Go to step 2**

OK

REPLACE POWER SOURCE CONTROL ECU

2	INSPECT RELAY (IG1)



(a) Remove the IG1 relay from the instrument panel J/B assy.
(b) Measure the resistance.

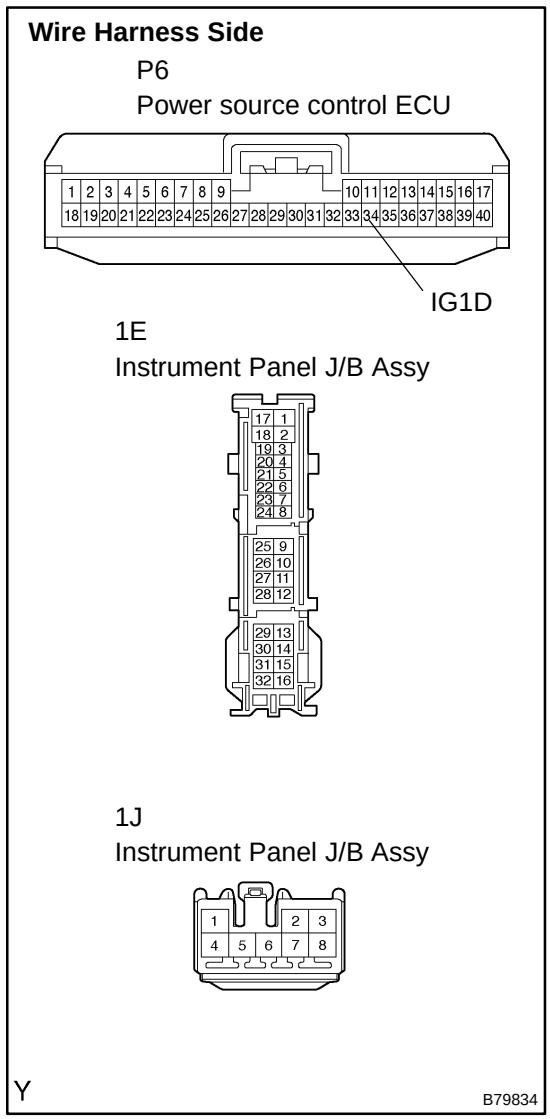
Standard:

Tester Connection	Specified Condition
3 – 5	10 kΩ or higher
3 – 5	Below 1 Ω (when battery voltage is applied to terminals 1 and 2)

NG → **REPLACE RELAY**

OK

3	CHECK WIRE HARNESS (INSTRUMENT PANEL J/B ASSY – POWER SOURCE CONTROL ECU AND BODY GROUND)



(a) Disconnect the 1J and 1E instrument panel J/B assy connectors.

(b) Disconnect the P6 ECU connector.

(c) Measure the resistance of the wire harness side connectors.

Standard:

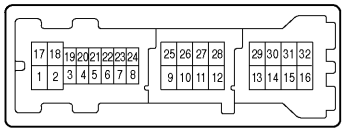
Tester Connection	Specified Condition
1J–3 – P6–34 (IG1D)	Below 1 Ω
1J–3 or P6–34 – Body ground	10 kΩ or higher
1E–17 – Body ground	Below 1 Ω

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

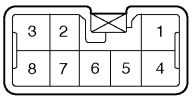
OK

4 CHECK INSTRUMENT PANEL JUNCTION BLOCK ASSY

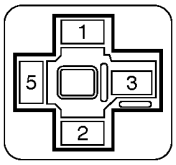
1E
Instrument Panel J/B Assy



1J
Instrument Panel J/B Assy



IG1 Relay



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(a) Remove the IG1 relay from the instrument panel J/B assy.
(b) Disconnect the 1J and 1E instrument panel J/B assy connector.
(c) Measure the resistance of the instrument panel J/B assy.
Standard:

Tester Connection	Specified Condition
1J–3 – instrument panel J/B Assy IG1 relay terminal 2	Below 1 Ω
1E–17 – instrument panel J/B Assy IG1 relay terminal 1	Below 1 Ω

NG → **REPLACE INSTRUMENT PANEL JUNCTION BLOCK ASSY**

OK

REPLACE POWER SOURCE CONTROL ECU