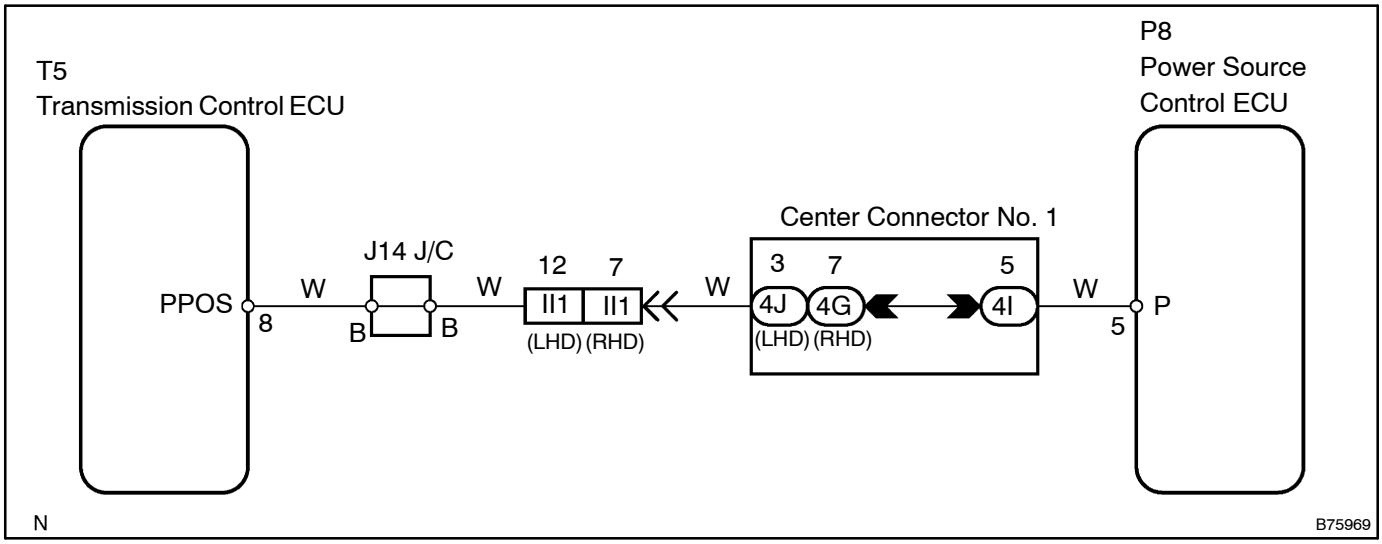
DTC	B2281	P SIGNAL MALFUNCTION (CABLE–INFORMATION DOES NOT MATCH TO BEAN–INFORMATION)

CIRCUIT DESCRIPTION

The power source control ECU and the transmission control ECU are connected by a cable and BEAN. If the cable information and BEAN information are inconsistent, this DTC will be output.

DTC No.	DTC detection condition	Trouble area
B2281	Cable and BEAN between power source control ECU and transmission control ECU are inconsistent	• Power source control ECU • Transmission control ECU • 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
Shift P Sig	Shift P Signal /OFF or ON	ON: P signal is ON OFF: P signal is OFF	–

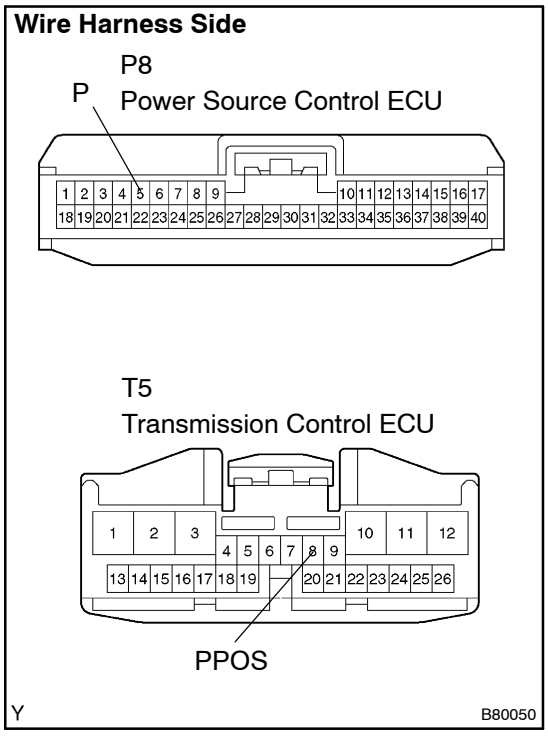
OK: ”ON” (P signal is ON) appears on the screen.

NG → **Go to step 2**

OK

REPLACE POWER SOURCE CONTROL ECU

2	CHECK WIRE HARNESS (POWER SOURCE CONTROL ECU – TRANSMISSION CONTROL ECU AND BODY GROUND)



(a) Disconnect the P8 and T5 ECU connectors.
(b) Measure the resistance of the wire harness side connectors.

Standard:

Tester Connection	Specified Condition
P8–5 (P) – T5–8 (PPOS)	Below 1 Ω
P8–5 (P) – Body ground	10 kΩ or higher

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

OK

3	CHECK OPERATION OF POWER SOURCE CONTROL ECU

(a) After replacing the power source control ECU with a normally functioning ECU, check that the hybrid control system can start normally.
OK: Hybrid control system can start normally.

NG → Go to SHIFT CONTROL SYSTEM (See page 05–920)

OK

NORMAL (POWER SOURCE CONTROL ECU DEFECTIVE)