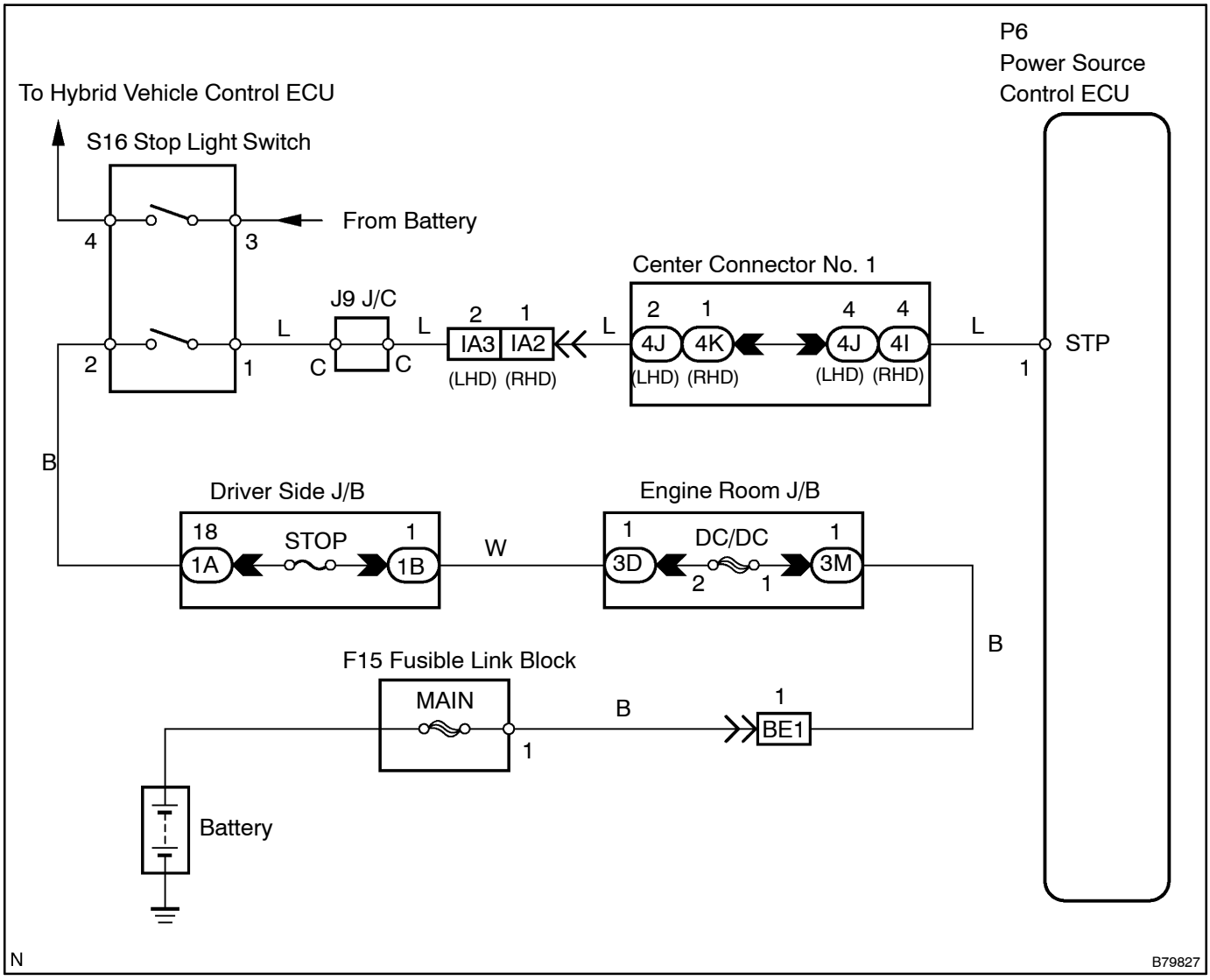
DTC	B2284	BRAKE SIGNAL MALFUNCTION (CABLE–INFORMATION DOES NOT MATCH TO BEAN–INFORMATION)

CIRCUIT DESCRIPTION

This DTC is output when :1) the brake signal circuit between the power source control ECU and the stop light switch is malfunctioning; and 2) the BEAN information is inconsistent.

DTC No.	DTC detection condition	Trouble area
B2284	Communication or communication line is abnormal between power source control ECU and stop light switch	• Power source control ECU • Stop light switch • 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
Stop lamp SW1	Stop lamp switch signal/ ON or OFF	ON: Brake pedal depressed OFF: Brake pedal released	–

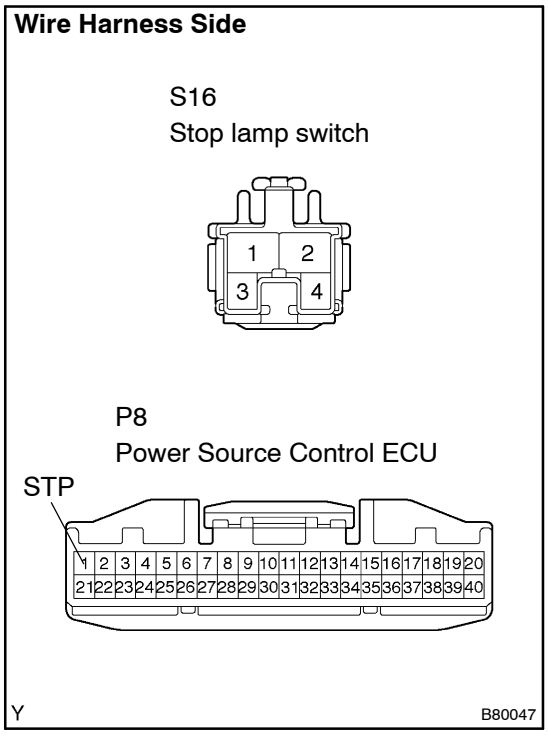
OK: ”ON” (Brake pedal depressed) appears on the screen.

NG → **Go to step 2**

OK

REPLACE POWER SOURCE CONTROL ECU

2	CHECK WIRE HARNESS (STOP LAMP SWITCH ASSY – POWER SOURCE CONTROL ECU)



(a) Disconnect the S16 connector.
(b) Disconnect the P8 ECU connector.
(c) Measure the resistance of the wire harness.

Standard:

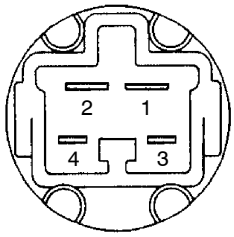
Tester Connection	Specified Condition
S16–1 – P8–1 (STP)	Below 1 Ω
S16–2 – Body ground	10 to 14 V

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

OK

3 CHECK STOP LAMP SWITCH ASSY

S16
Stop lamp switch



B76410

(a) Remove the stop lamp switch assy.
(b) Measure the switch resistance when the shaft is operated.

Standard:

Tester Connection	Condition	Specified Condition
S16–1 – S16–2	Pressed	Below 1 Ω
S16–1 – S16–2	Released	10 kΩ or higher
S16–3 – S16–4	Pressed	10 kΩ or higher
S16–3 – S16–4	Released	Below 1 Ω

NG > **REPLACE STOP LAMP SWITCH ASSY**

OK

REPLACE POWER SOURCE CONTROL ECU