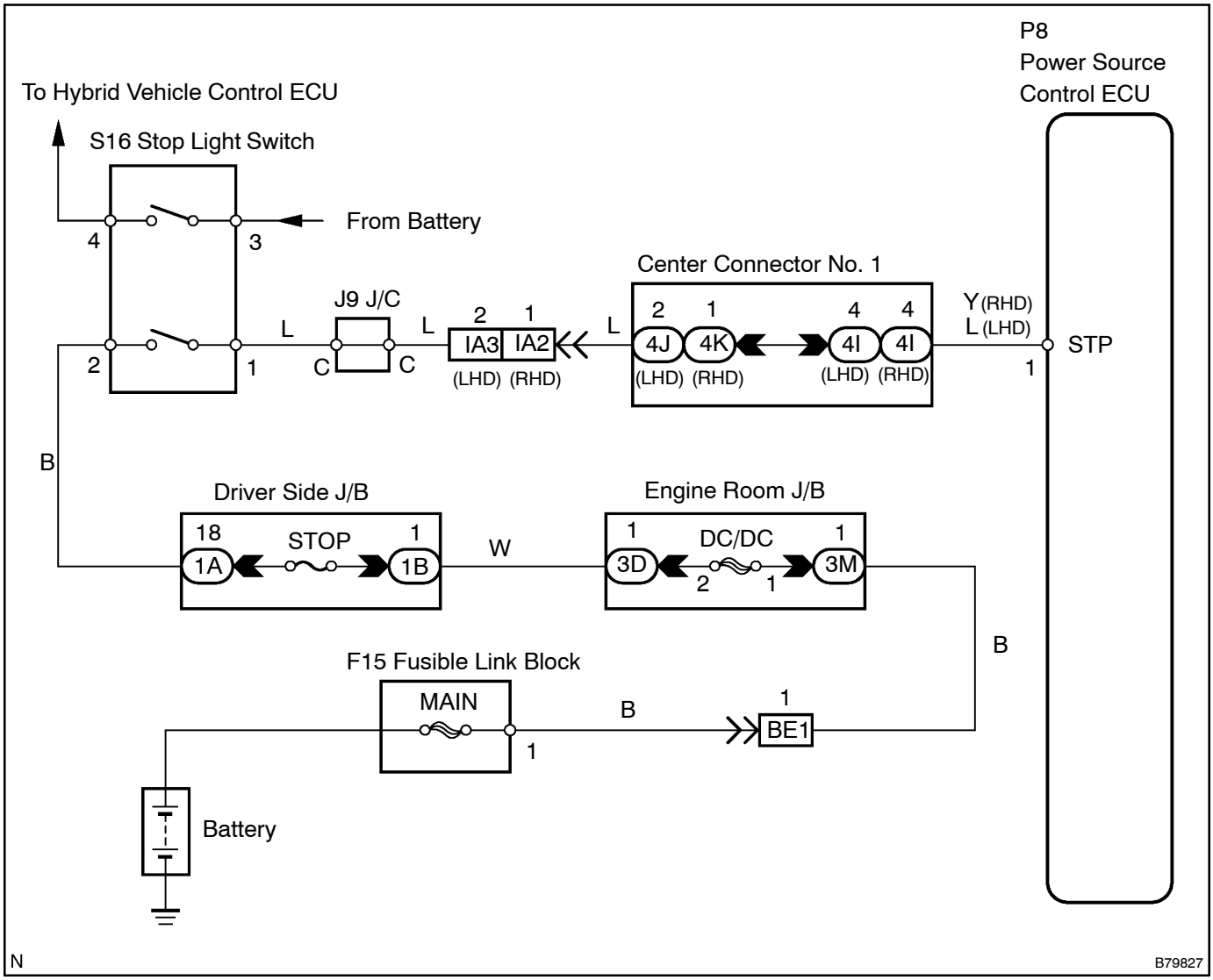
POWER MODE DOES NOT CHANGE TO ON (READY)

CIRCUIT DESCRIPTION

When the key is inserted into the key slot and the power switch is pressed, signals are input to the power source control ECU and power switch mode changes to OFF, ON (IG) or ON (ACC) or according to the inputs. When the shift position is P, the brake pedal is depressed and held, and the power switch is pressed, the power switch mode changes to ON (READY), signifying that the hybrid system starts operating.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	INSPECT BASIC OPERATION

(a) Check that the shift position switch is ON.
(b) Turn the power switch ON (Ready) and check that the hybrid vehicle control system starts normally. Make sure the brake pedal should not be depressed at this time.
OK: Hybrid vehicle control system starts normally (power switch can be set to ON (READY)).

NG → **Go to step 2**

OK

END

2	CHECK OPERATION OF POWER SWITCH

(a) Check that the power mode can be changed by pushing the power switch.
HINT:
Without depressing the brake pedal, push the power switch repeatedly. Power mode should change as follows: OFF, ON (ACC), ON (IG) and OFF.
With the brake pedal depressed, push the power switch repeatedly. Power mode should change as follows: OFF, ON (ACC), ON (IG), ON (READY) and OFF.

NG → **OTHER PROBLEM (See page 05–2134)**

OK

3	CHECK FOR DTCS

(a) Check for DTCs of the power source control ECU.
OK: DTCs of the power source control ECU are not out put

NG → **Go to DIAGNOSIS TROUBLE CODE CHART (See page 05–2143)**

OK

4	READ VALUE OF INTELLIGENT TESTER II

(a) Connect the intelligent tester II to the DLC3.
(b) Turn the power switch ON (IG) and push the intelligent tester II main switch ON.
(c) Read the DATA LIST according to the display 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 pressed OFF: Brake pedal released	–
Stop lamp SW2	Stop lamp switch signal / ON or OFF	ON: Brake pedal pressed OFF: Brake pedal released	–

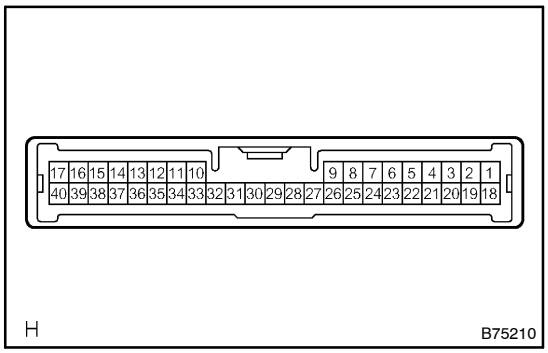
OK: "ON" (stop lamp switch ON) appears on the screen.

NG → **Go to step 5**

OK

Go to step 8

5	CHECK POWER SOURCE CONTROL ECU



(a) Measure the voltage when the brake pedal is operated.

Standard:

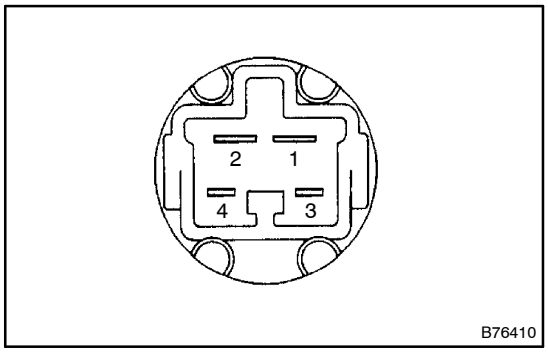
Tester Connection	Condition	Specified Condition
S8–1 (STP) – Body ground	Depressed	10 to 14 V
S8–1 (STP) – Body ground	Not depressed	0 V

NG → **GO TO STEP 6**

OK

REPLACE POWER SOURCE CONTROL ECU

6	CHECK STOP LAMP SWITCH ASSY



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

Standard:

Tester Connection	Condition	Specified Condition
S16–1 – S16–2	Pressed	Below 1Ω
S16–1 – S16–2	Not pressed	10 kΩ or higher
S16–3 – S16–4	Pressed	10 kΩ or higher
S16–3 – S16–4	Not pressed	Below 1Ω

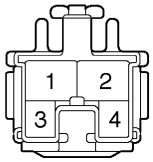
NG → **REPLACE STOP LAMP SWITCH ASSY**

OK

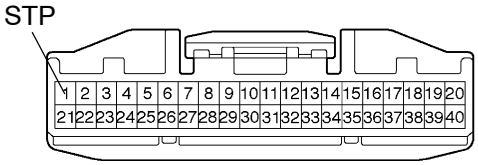
7	CHECK WIRE HARNESS (STOP LAMP SWITCH ASSY – POWER SOURCE CONTROL ECU)

Wire Harness Side

S16
Stop Lamp Switch



P8
Power Source Control ECU



Y B80047

(a) Disconnect the S16 switch connector.
(b) Disconnect the P8 ECU connector.
(c) Measure the resistance between the wire harness side connectors.

Standard:

Tester Connection	Specified Condition
S16–1 – P8–1 (STP)	Below 1 Ω

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

OK

REPLACE POWER SOURCE CONTROL ECU

8	CHECK FOR DTCS

(a) Check for DTCs of hybrid vehicle control ECU.
OK: DTCs of hybrid control ECU are not output

NG → **Go to HYBRID CONTROL SYSTEM (See page 05–268)**

OK

REPLACE POWER SOURCE CONTROL ECU