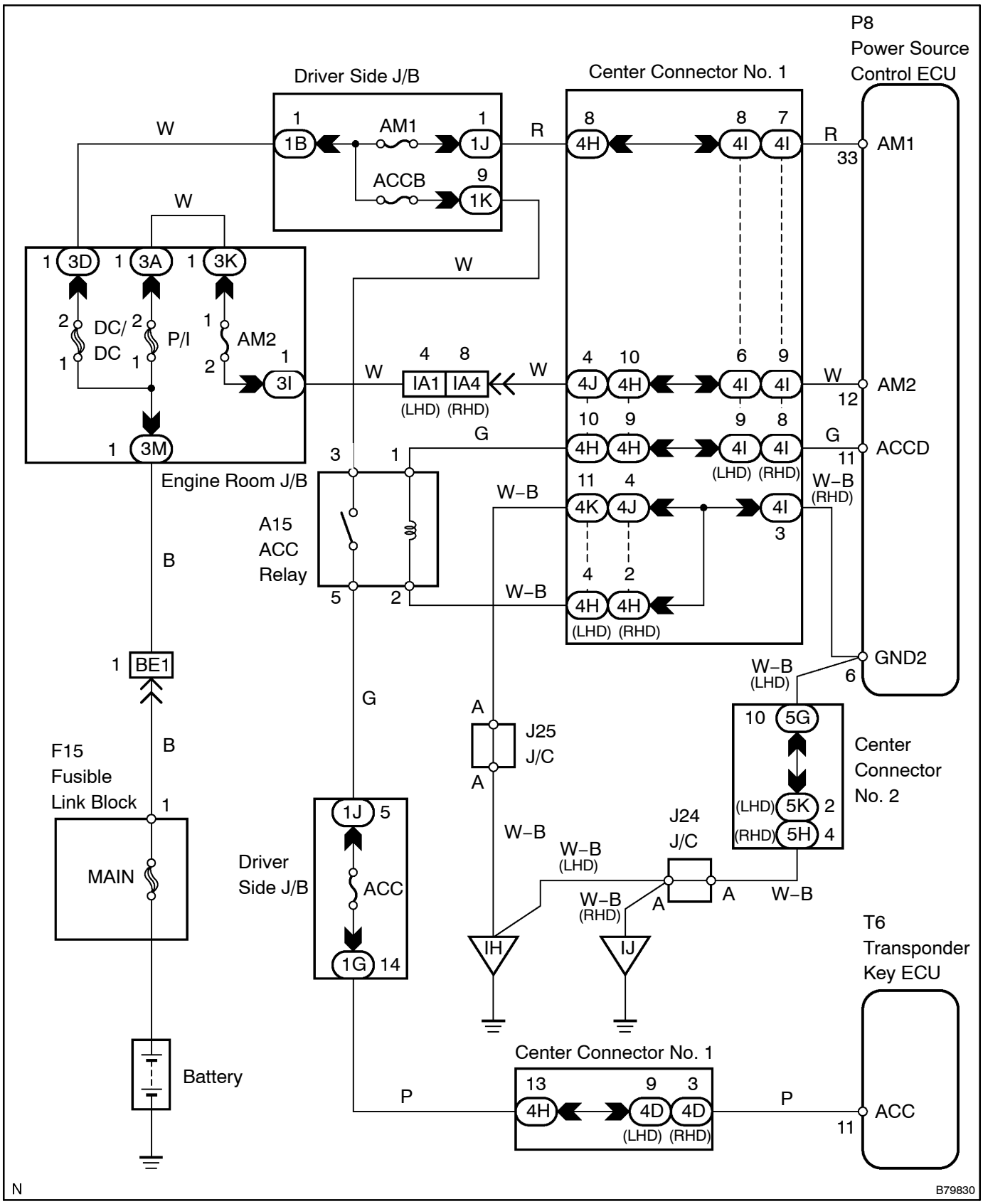
POWER MODE DOES NOT CHANGE TO ON (ACC)

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) according to the inputs.

WIRING DIAGRAM



INSPECTION PROCEDURE

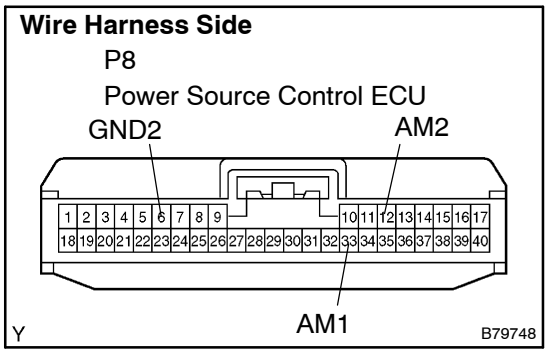
1	INSPECT FUSE (AM1, AM2)

(a) Remove the the AM1 fuse from the driver sidel J/B.
(b) Remove the the AM2 fuse from the engine room J/B.
(c) Measure the resistance.
Standard: Below 1 Ω

NG → **REPLACE FUSE**

OK

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



(a) Disconnect the P8 ECU connector.
(b) Measure the resistance and voltage between the wire harness side connector and body ground.
Standard:

Tester Connection	Specified Condition
P8–33 (AM1) – Body ground	10 to 14 V
P8–12 (AM2) – Body ground	10 to 14 V
P8–6 (GND2) – Body ground	Below 1 Ω

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

OK

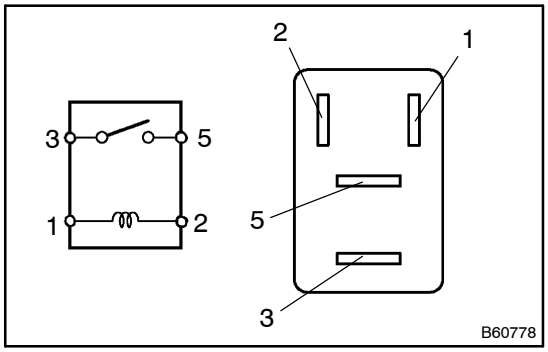
3	CHECK FOR DTCS

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

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

OK

4 INSPECT RELAY (ACC)



(a) Remove the A15 ACC relay.
(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)

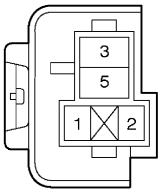
NG → **REPLACE RELAY**

OK

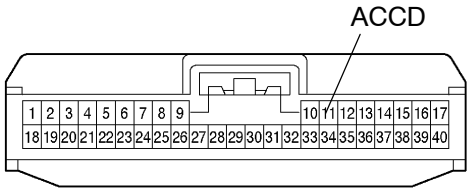
5 CHECK WIRE HARNESS (ACC RELAY – POWER SOURCE CONTROL ECU AND BODY GROUND)

Wire Harness Side

A15
ACC Relay



P8
Power Source Control ECU



Y
B79831

(a) Remove the A15 ACC relay.
(b) Disconnect the P8 ECU connector.
(c) Measure the resistance between the wire harness side connectors and body ground.

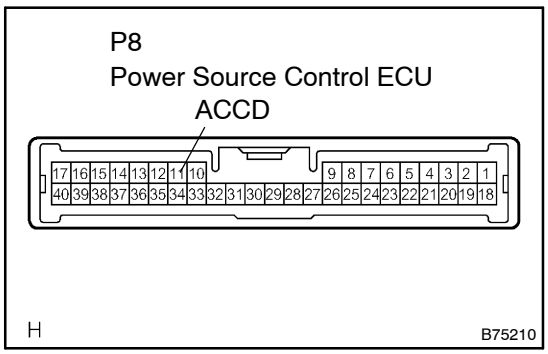
Standard:

Tester Connection	Specified Condition
A15–1 – P8–11 (ACCD)	Below 1 Ω
A15–2 – Body ground	Below 1 Ω

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

OK

6 INSPECT POWER SOURCE CONTROL ECU



(a) Remove the P8 ECU.
(b) Measure the voltage between the terminal of the connector and body ground.

Standard:

Tester Connection	Condition	Specified Condition
P8–11 (ACCD) – Body ground	Power switch ON (ACC)	10 to 14 V
P8–11 (ACCD) – Body ground	Power switch OFF	0 V

NG → **REPLACE POWER SOURCE CONTROL ECU**

OK

7 CHECK OPERATION OF POWER SOURCE CONTROL ECU

(a) After replacing the power source control ECU with a normally functioning ECU, check that the power switch can be set to ON (ACC).

Result	Proceed to
Power switch can be set to ON (ACC)	A
Power switch cannot be set to ON (ACC) (w/ smart entry system).	B
Power switch cannot be set to ON (ACC) (w/o smart entry system).	C

B → **Go to ENGINE IMMOBILIZER SYSTEM (w/ SMART ENTRY SYSTEM) (See page 05-2045)**

C → **Go to ENGINE IMMOBILIZER SYSTEM (w/o SMART ENTRY SYSTEM) (See page 05-2084)**

A

NORMAL (POWER SOURCE CONTROL ECU DEFECTIVE)