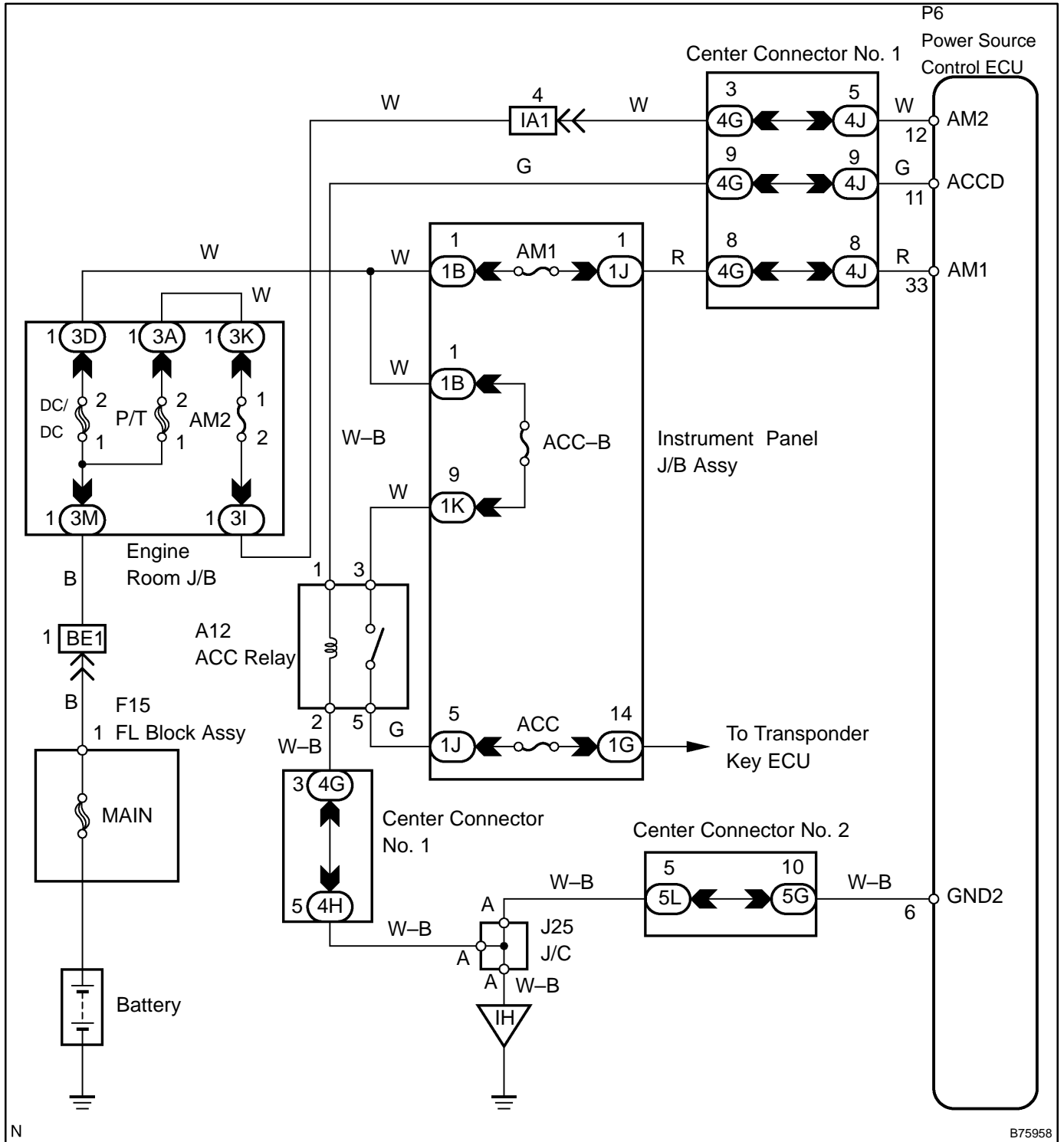


# POWER MODE DOES NOT CHANGE TO ON (ACC)

## 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



N

B75958

## INSPECTION PROCEDURE

### 1 INSPECT FUSE (AM1, AM2)

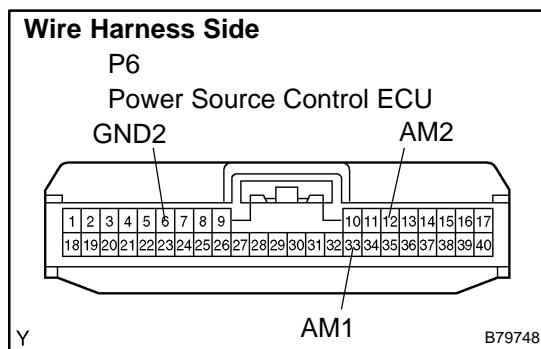
- Remove the the AM1 fuse from the instrument panel J/B assy.
- Remove the the AM2 fuse from the engine room J/B.
- Measure the resistance.

**Standard: Below 1  $\Omega$**

**NG** → REPLACE FUSE

**OK**

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



- Disconnect the P6 ECU connector.
- Measure the resistance and voltage of the wire harness side connectors.

**Standard:**

Tester Connection	Specified Condition
P6-33 (AM1) – Body ground	10 to 14 V
P6-12 (AM2) – Body ground	10 to 14 V
P6-6 (GND2) – Body ground	Below 1 $\Omega$

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

**OK**

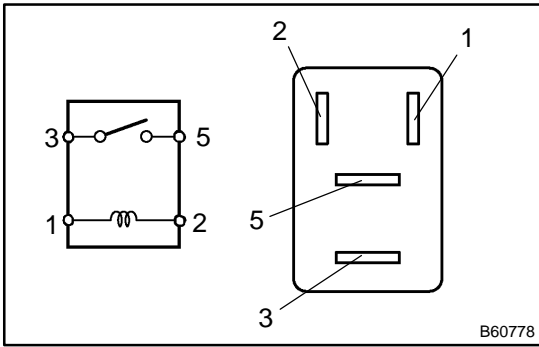
### 3 CHECK FOR DTCS

- Check for DTCS of the power source control ECU.  
**OK: DTCS of the power source control ECU are not output.**

**NG** → Go to DIAGNOSIS TROUBLE CODE CHART  
(See page 05-2441)

**OK**

**4 INSPECT RELAY (ACC)**



- (a) Remove the ACC relay.
- (b) Measure the resistance.

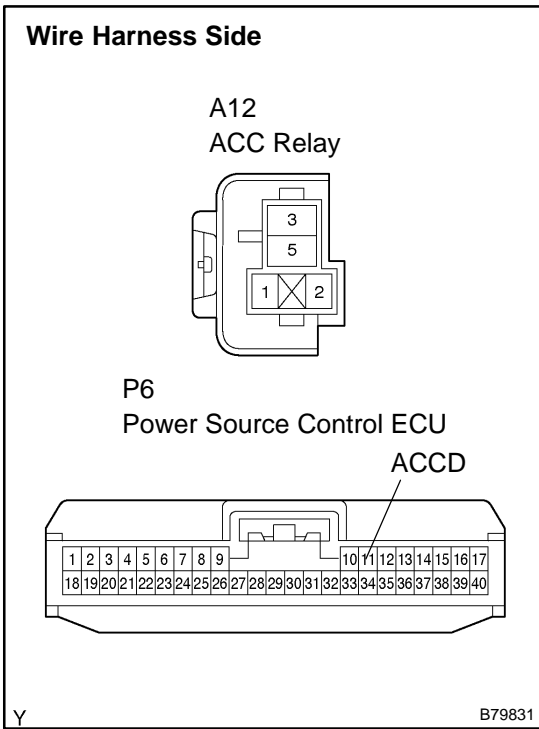
**Standard:**

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)**



- (a) Remove the ACC relay.
- (b) Disconnect the P6 ECU connector.
- (c) Measure the resistance of the wire harness side connectors.

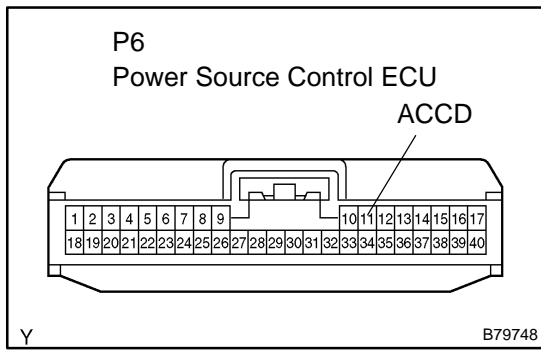
**Standard:**

Tester Connection	Specified Condition
A12-1 - P6-11 (ACCD)	Below 1 Ω
A12-2 - Body ground	Below 1 Ω
A12-1 - Body ground	10 kΩ or higher

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

**OK**

**6 INSPECT POWER SOURCE CONTROL ECU**



- (a) Remove the power source control ECU.
- (b) Measure the voltage between the terminal of the connector and body ground.

**Standard:**

Tester Connection	Condition	Specified Condition
P6-11 (ACCD) - Body ground	Power switch ON (ACC)	10 to 14 V
P6-11 (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 05-2325)**

**C** → **Go to ENGINE IMMOBILIZER SYSTEM (w/o SMART ENTRY SYSTEM) (See page 05-2375)**

**A**

**NORMAL (POWER SOURCE CONTROL ECU DEFECTIVE)**