

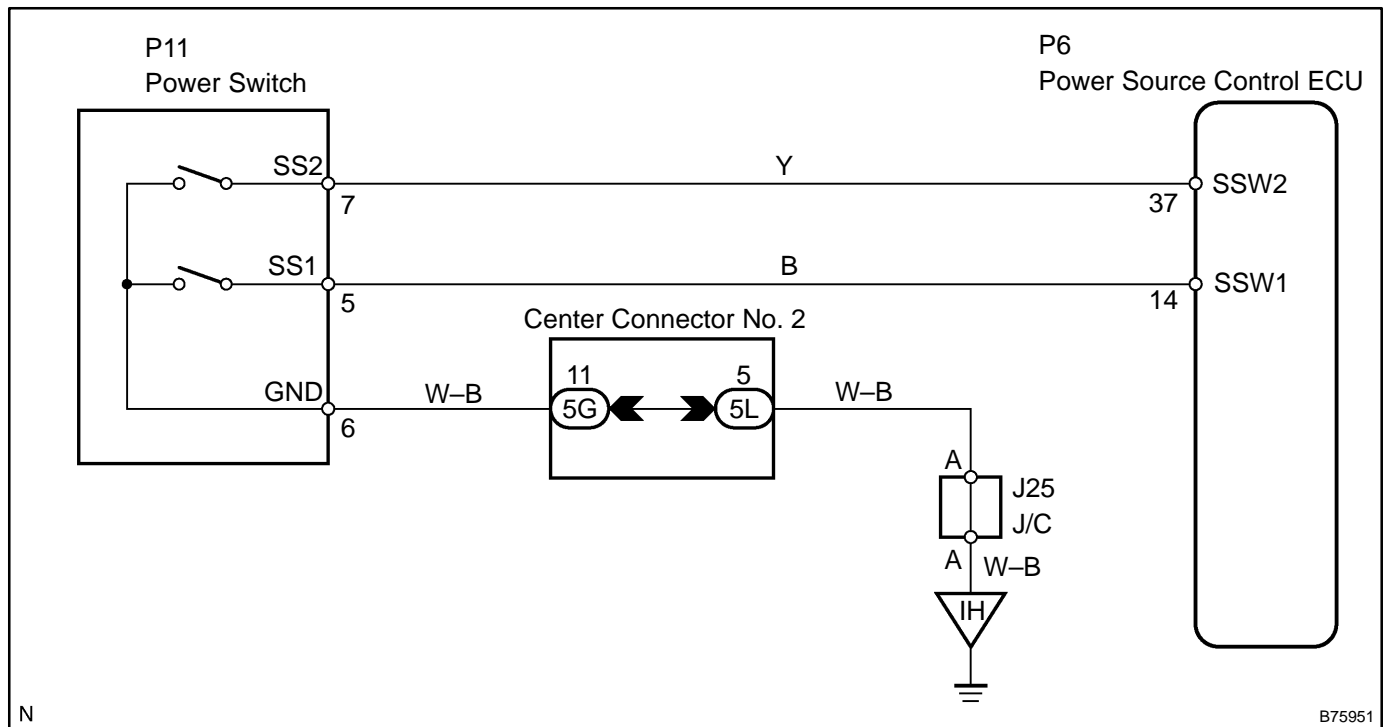
DTC	B2278	MAIN SWITCH (POWER SWITCH) MALFUNCTION
------------	--------------	---

CIRCUIT DESCRIPTION

This DTC is output when 1) a malfunction is detected between the power source control ECU and the power switch; or 2) either of the switches inside the power switch is malfunctioning.

DTC No.	DTC Detection Condition	Trouble Area
B2278	Communication is abnormal between power source control ECU and power switch; or power switch is defective	<ul style="list-style-type: none"> • Power source control ECU • Power switch • Wire harness

WIRING DIAGRAM



N

B75951

INSPECTION PROCEDURE

1 READ VALUE OF HAND-HELD TESTER

- (a) Connect the hand-held tester (with CAN VIM) to the DLC3.
- (b) Turn the power switch ON (IG) and press the hand-held tester main switch ON.
- (c) Read the DATA LIST according to the displays on the tester.

Standard (Power source control ECU):

Item	Measurement Item/Range (Display)	Normal Condition	Diagnostic Note
ST SW1	States of the Start Switch 1/ ON or OFF	ON: Power switch ON (IG) OFF: Power switch OFF	-
ST SW2	States of the Start Switch 2/ ON or OFF	ON: Power switch ON (IG) OFF: Power switch OFF	-

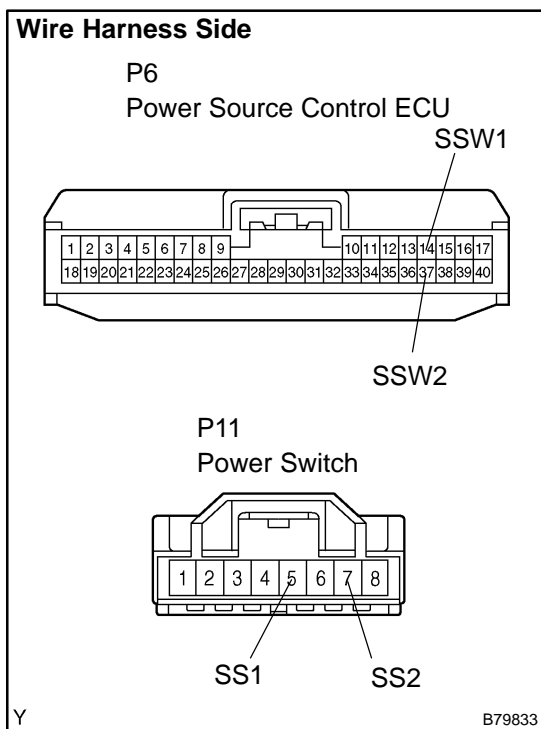
OK: "ON" (power switches 1 and 2 are ON) appears on the screen

NG Go to step 2

OK

REPLACE POWER SOURCE CONTROL ECU

2 CHECK WIRE HARNESS (POWER SWITCH - POWER SOURCE CONTROL ECU AND BODY GROUND)



- (a) Disconnect the P11 power switch connector.
- (b) Disconnect the P6 ECU connector.
- (c) Measure the resistance of the wire harness side connectors.

Standard:

Tester Connection	Specified Condition
P11-5 (SS1) - P6-14 (SSW1)	Below 1 Ω
P11-7 (SS2) - P6-37 (SSW2)	Below 1 Ω
P11-6 - Body ground	Below 1 Ω
P11-5 (SS2) or P6-14 (SSW1) - Body ground	10 kΩ higher
P11-7 (SS2) or P6-37 (SSW2) - Body ground	10 kΩ higher

NG REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

REPLACE POWER SOURCE CONTROL ECU