

<b>DTC</b>	<b>C1531/25</b>	<b>ECU Malfunction</b>
<b>DTC</b>	<b>C1532/25</b>	<b>ECU Malfunction</b>
<b>DTC</b>	<b>C1533/25</b>	<b>Temperature Sensor Circuit is Low or High</b>
<b>DTC</b>	<b>C1534/25</b>	<b>EEPROM Malfunction</b>

**DESCRIPTION****INSPECTION PROCEDURE**

If the power steering ECU detects these DTCs, it will shut off the motor relay circuit (built into the power steering ECU) and stop power assist. However, power assist continues if DTC C1533 is output.

<b>DTC No.</b>	<b>DTC Detection Condition</b>	<b>Trouble Area</b>
C1531/25	ECU internal malfunction (CPU malfunction)	Power steering ECU
C1532/25	ECU internal malfunction (Peripheral circuit malfunction)	Power steering ECU
C1533/25	ECU internal malfunction (Substrate temperature sensor malfunction)	Power steering ECU
C1534/25	ECU internal malfunction (EEPROM error)	Power steering ECU

<b>1</b>	<b>RECONFIRM DTC</b>
----------	----------------------

(a) Check for DTC.

**OK:**

**DTC is not output.**

**OK** →

**PROCEED TO NEXT CIRCUIT INSPECTION  
SHOWN IN PROBLEM SYMPTOMS TABLE**

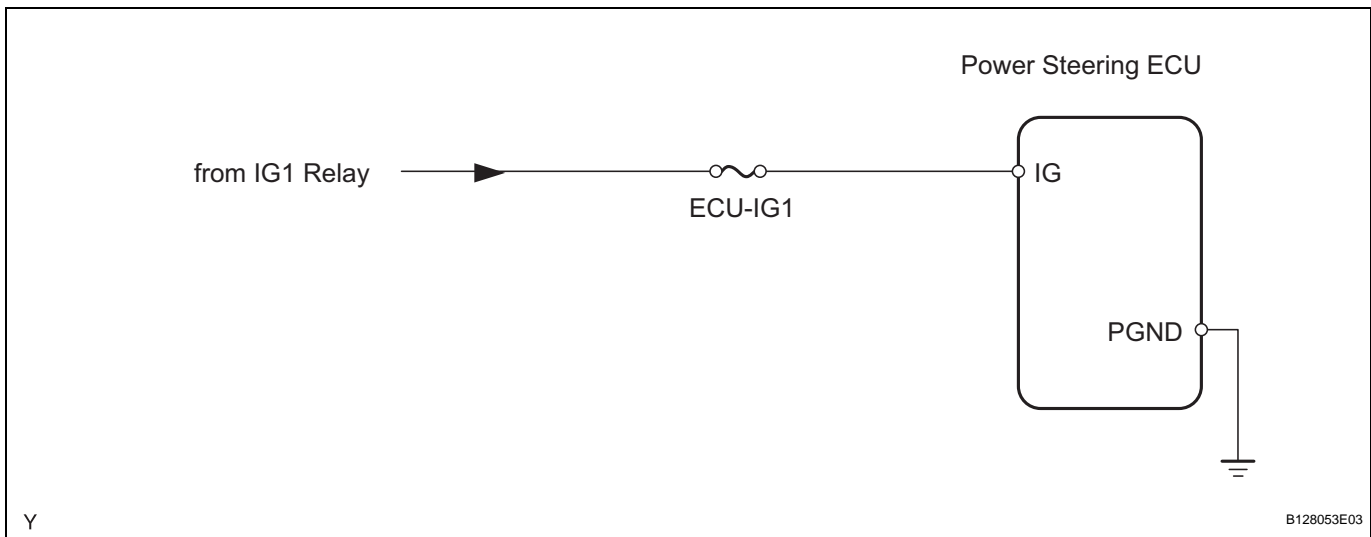
**NG**

<b>REPLACE POWER STEERING ECU</b>
-----------------------------------

**DTC****C1551/25****IG Power Supply Voltage Malfunction****DESCRIPTION**

The power steering ECU distinguishes the ignition switch status as ON or OFF through the IG power source circuit.

DTC No.	Detection Condition	Trouble Area
C1551/25	IG power source circuit malfunction inside ECU	<ul style="list-style-type: none"> <li>• ECU-IG1 fuse</li> <li>• IG power source circuit</li> <li>• Power steering ECU</li> </ul>

**WIRING DIAGRAM****PS****INSPECTION PROCEDURE****1 READ VALUE OF INTELLIGENT TESTER (IG POWER SUPPLY)**

- Connect the intelligent tester (with CAN VIM) to the DLC3.
- Turn the ignition switch ON.
- Select the item "IG SUPPLY" in the DATA LIST and read the value displayed on the intelligent tester.

**Power steering ECU**

Item	Item Description: Range (Display)	Inspection Condition	Specified Condition
IG SUPPLY	IG power supply: Min.: 0 V Max.: 20.1531 V	Ignition switch ON	10 to 14 V

**OK****CHECK INTERMITTENT PROBLEMS****NG**

**2 INSPECT FUSE (ECU-IG1)**

- (a) Remove the ECU-IG1 fuse from the instrument panel junction block.
- (b) Measure the resistance of the fuse.

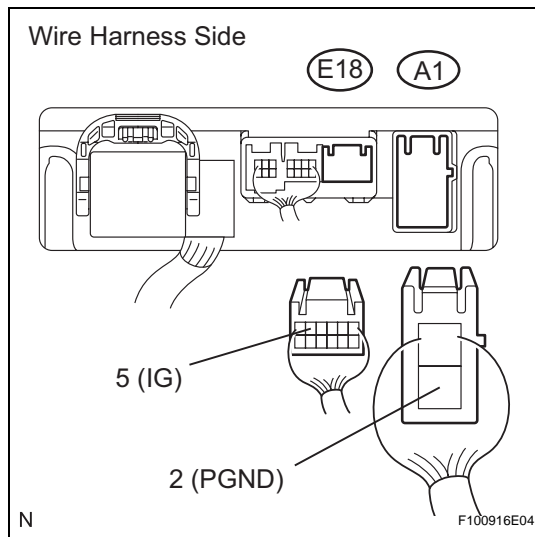
**OK:**

**Below 1 Ω**

**NG** → **REPLACE FUSE**

**OK**

**3 CHECK HARNESS AND CONNECTOR (BATTERY - POWER STEERING ECU)**



- (a) Disconnect the E18 and A1 power steering ECU connectors.
- (b) Measure the voltage of the wire harness side connectors.

**Standard voltage**

Tester Connection	Condition	Specified Condition
E18 -5 (IG) - A1-2 (PGND)	Ignition switch ON	10 to 14 V

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

**OK**

**REPLACE POWER STEERING ECU**