

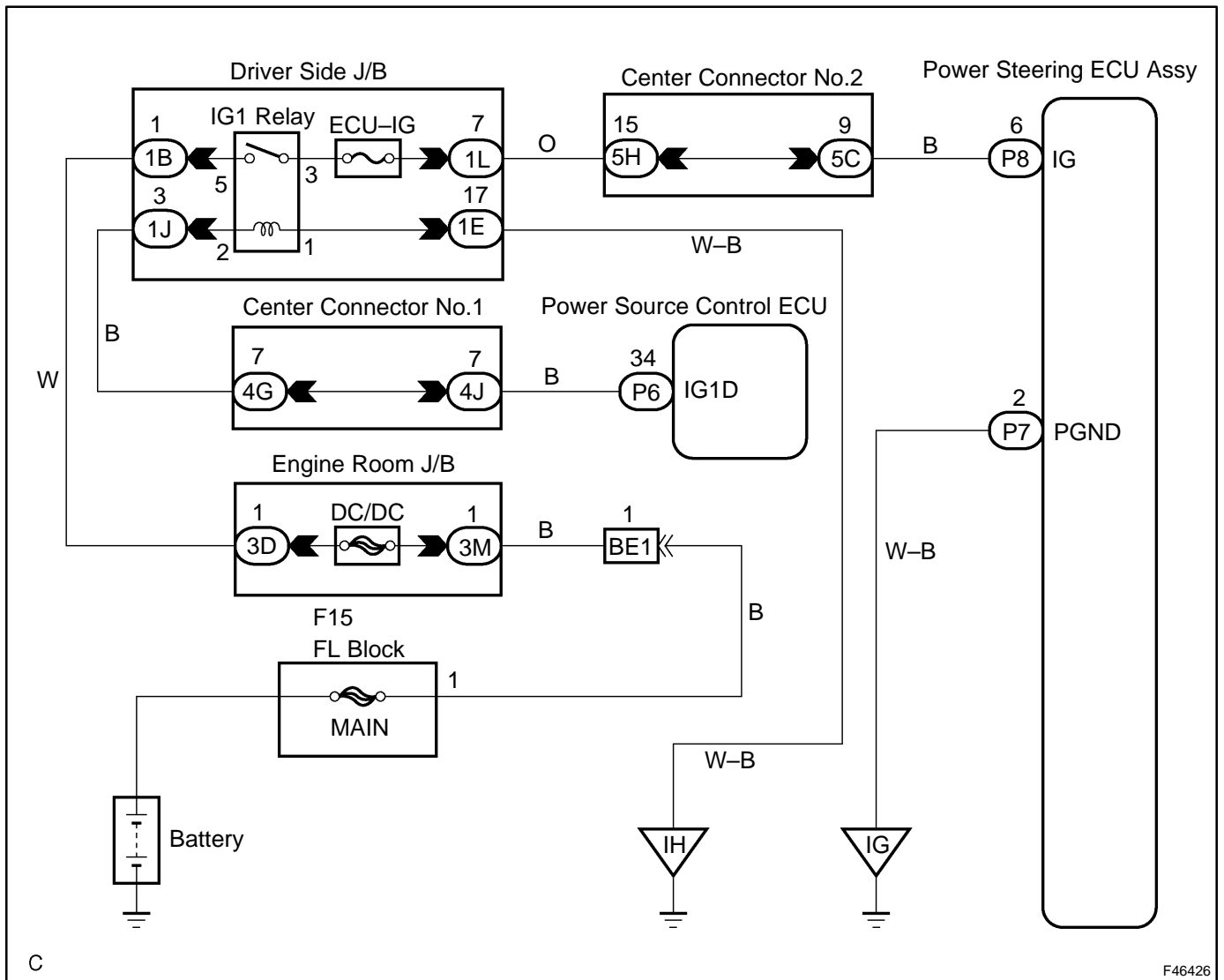
<b>DTC</b>	<b>C1551</b>	<b>IG POWER SOURCE VOLTAGE MALFUNCTION</b>
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**CIRCUIT DESCRIPTION**

The power steering ECU Assy distinguishes on/off status of the power switch through this circuit.

DTC No.	DTC Detection Item	Trouble Area
C1551	There is an open or short in the IG power source circuit with the power switch on (IG).	<ul style="list-style-type: none"> <li>• ECU-IG Fuse</li> <li>• IG power source circuit</li> <li>• Power steering ECU Assy</li> </ul>

**WIRING DIAGRAM**



C

F46426

## INSPECTION PROCEDURE

### 1 INSPECT FUSE(ECU-IG)

- Remove the ECU-IG fuse from the driver side J/B.
- Check continuity of the ECU-IG fuse.

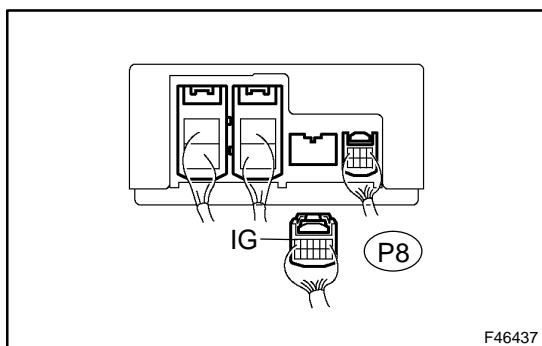
**Standard: Continuity**

**NG**

**INSPECT FOR SHORT IN ALL COMPONENTS CONNECTED TO FUSE AND REPAIR OR REPLACE THEM IF NEEDED, AND REPLACE FUSE**

**OK**

### 2 CHECK HARNESS AND CONNECTOR(POWER STEERING ECU ASSY – BODY GROUND)



- Disconnect the "P8" connector from the power steering ECU assy.
- Turn the power switch on (IG).
- Measure the voltage according to the value(s) in the table below.

**Standard:**

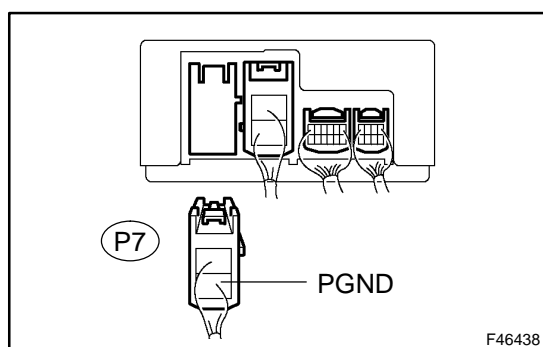
Tester Connection	Condition	Specified Condition
P8-6 (IG) – Body ground	Power switch is on (IG)	10 to 16 V

**NG**

**REPAIR OR REPLACE HARNESS OR CONNECTOR**

**OK**

### 3 CHECK HARNESS AND CONNECTOR(POWER STEERING ECU ASSY – BODY GROUND)



- Turn the power switch off.
- Disconnect the "P7" connector from the power steering ECU assy.
- Measure the resistance according to the value(s) in the table below.

**Standard:**

Tester Connection	Condition	Specified Condition
P7-2 (PGND) – Body ground	Always	Below 1 $\Omega$

**NG**

**REPAIR OR REPLACE HARNESS OR CONNECTOR**

**OK**

**REPLACE POWER STEERING ECU ASSY (SEE PAGE 50-16)**