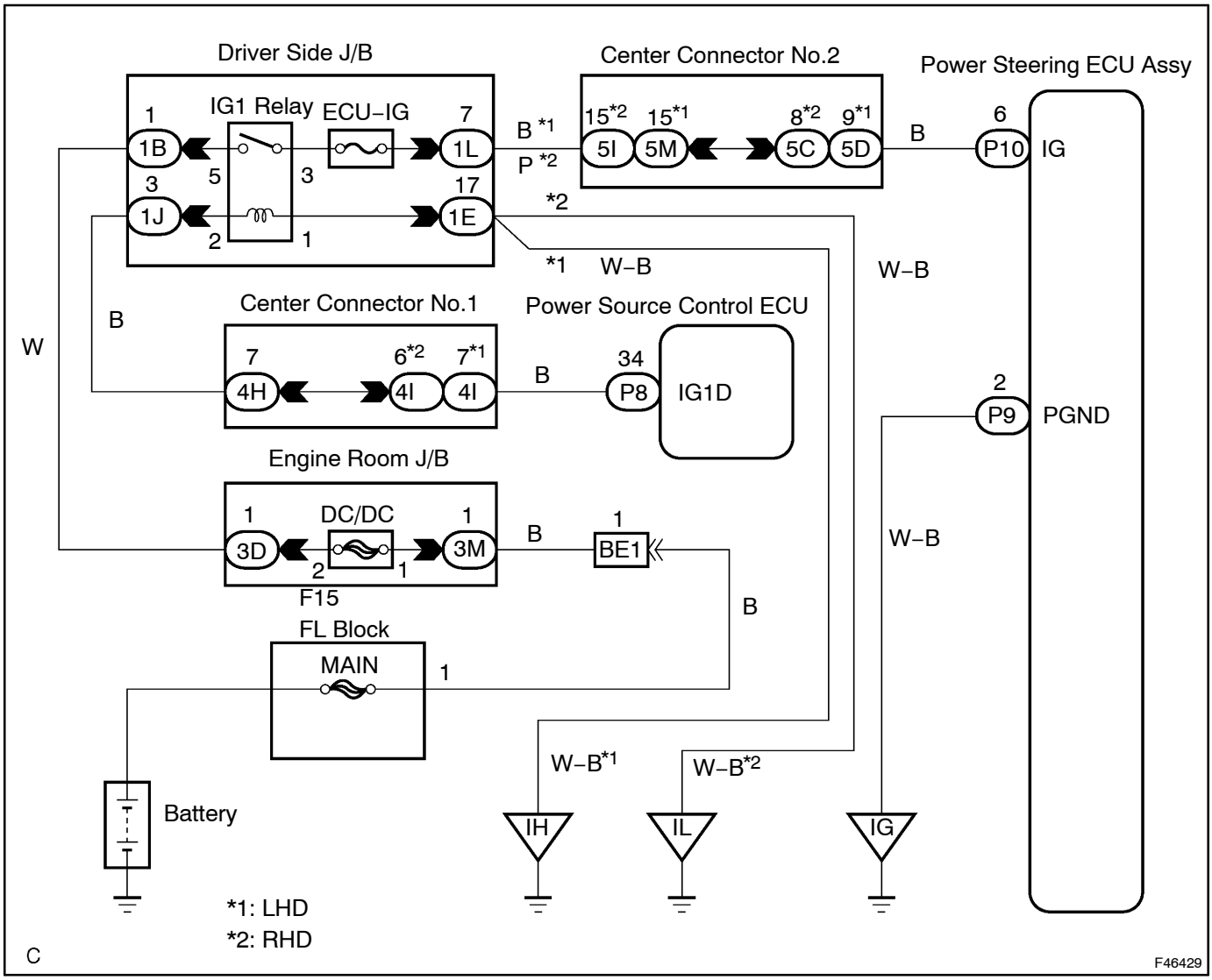
# DTC C1551 IG POWER SOURCE VOLTAGE ABNORMAL

## 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). | • ECU–IG Fuse<br>• IG power source circuit<br>• Power steering ECU assy |

## WIRING DIAGRAM



# INSPECTION PROCEDURE

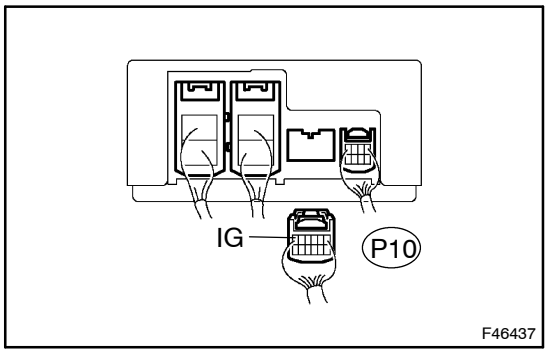
| 1 | INSPECT FUSE(ECU–IG) |
|---|---|

(a) Remove the ECU–IG fuse from the driver side J/B.
(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) |
|---|---|



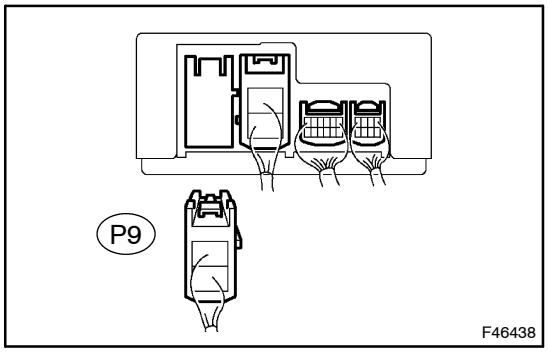

(a) Disconnect the "P10" connector from the power steering ECU assy.
(b) Turn the power switch on (IG).
(c) Measure the voltage according to the value(s) in the table below.
**Standard:**

| 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) |
|---|---|




(a) Turn the power switch off.
(b) Disconnect the "P9" connector from the power steering ECU assy.
(c) Measure the resistance according to the value(s) in the table below.
**Standard:**

| Tester Connection | Condition | Specified Condition |
|---|---|---|
| P9–2 (PGND) – Body ground | Always | Below 1 Ω |

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

OK

**REPLACE POWER STEERING ECU ASSY (SEE PAGE 50–17)**