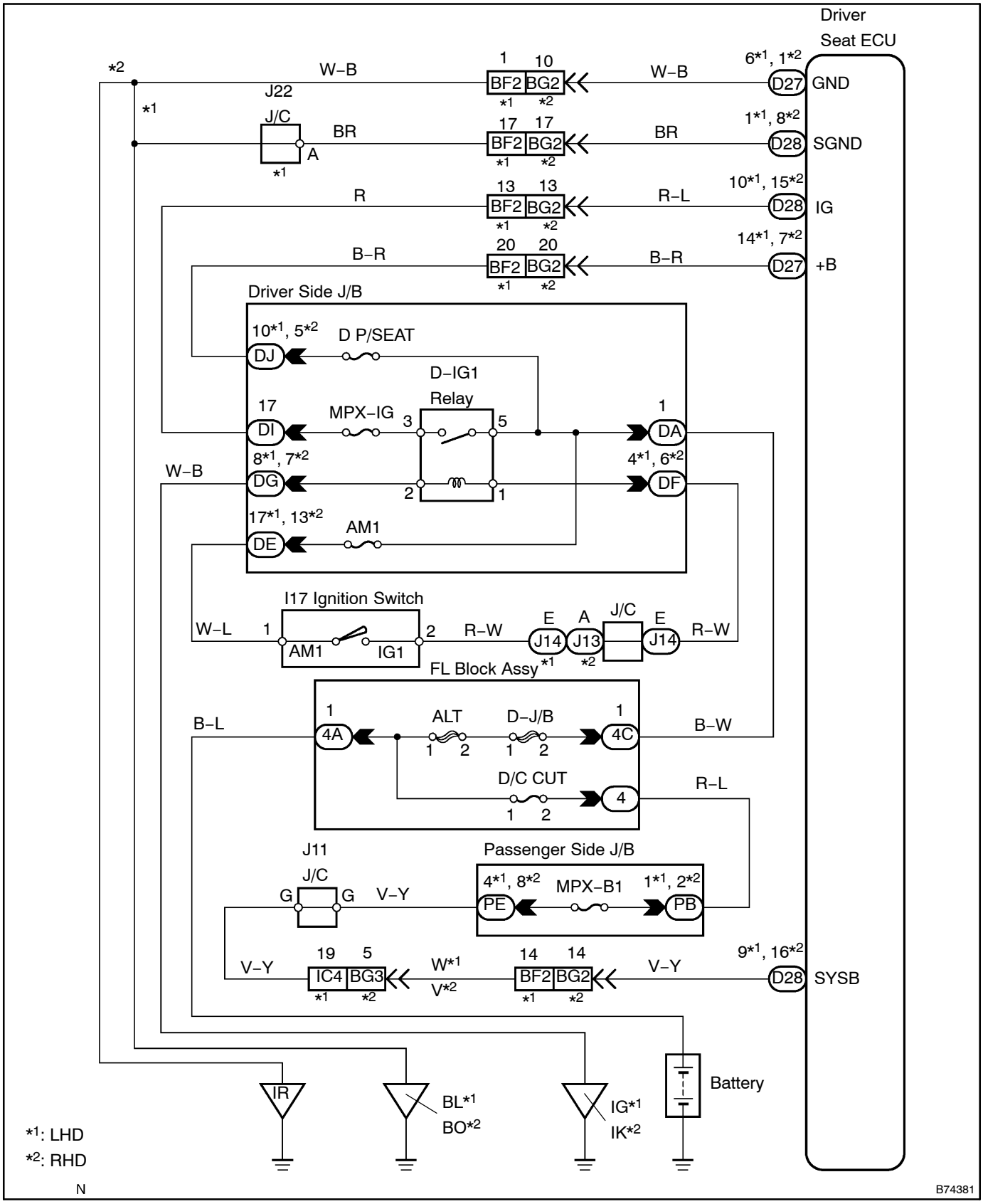
# ECU POWER SOURCE CIRCUIT (DRIVER SEAT ECU)

## CIRCUIT DESCRIPTION

This circuit provides power to operate the driver seat ECU.
The driver seat ECU is built into this power seat switch. The lumbar support switch and the seat cushion switch are separate from the power seat switch.

# WIRING DIAGRAM



# INSPECTION PROCEDURE

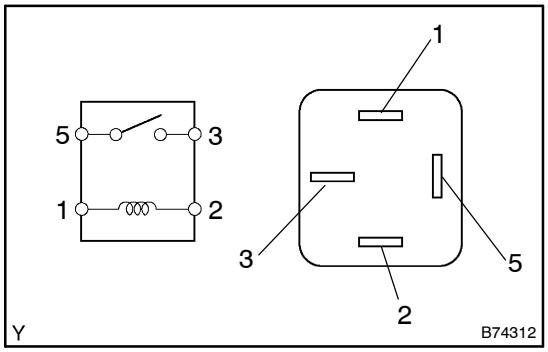
## 1 INSPECT FUSE (D/C CUT, D P/SEAT, AM1, MPX–IG, MPX–B1)

(a) Remove the D/C CUT fuse from the FL block.
(b) Remove the D P/SEAT, AM1 and MPX–IG fuses from the driver side J/B.
(c) Remove the MPX–B1 fuse from the passenger side J/B.
(d) Measure the resistance.
**Standard: Below 1 Ω**

**NG** → **REPLACE FUSE**

**OK**

## 2 INSPECT RELAY (D–IG1)




(a) Remove the D–IG1 relay from the driver side J/B.
(b) Check the resistance.
**Standard:**

| Tester Connection | Specified Condition |
|---|---|
| 3 – 5 | 10k Ω or higher |
| 3 – 5 | Below 1 Ω (when battery voltage is applied to terminals 1 and 2) |

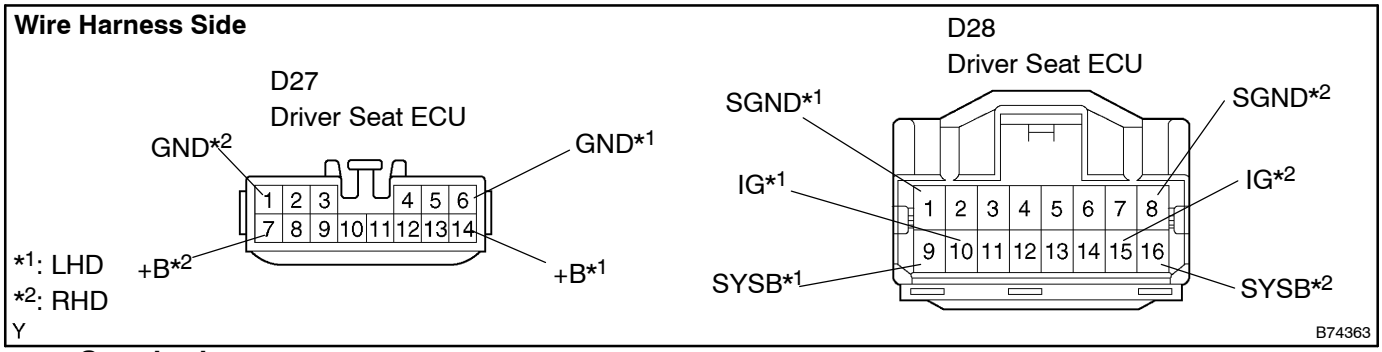
**NG** → **REPLACE RELAY**

**OK**

## 3 CHECK WIRE HARNESS (DRIVER SEAT ECU – BODY GROUND)

(a) Disconnect the D27 and D28 ECU connectors.
(b) Measure the voltage and resistance of the wire harness side connectors.

**Wire Harness Side**




**Standard:**
**LHD models**

| Tester Connection | Condition | Specified Condition |
|---|---|---|
| D27–14 (+B) – Body ground | Constant | 10 to 14 V |
| D28–9 (SYSB) – Body ground | Constant | 10 to 14 V |
| D28–10 (IG) – Body ground | Ignition switch OFF → ON | 0 V → 10 to 14 V |
| D27–6 (GND) – Body ground | Constant | Below 1 Ω |
| D28–1 (SGND) – Body ground | Constant | Below 1 Ω |

**RHD models**

| Tester Connection | Condition | Specified Condition |
|---|---|---|
| D27–7 (+B) – Body ground | Constant | 10 to 14 V |
| D28–16 (SYSB) – Body ground | Constant | 10 to 14 V |
| D28–15 (IG) – Body ground | Ignition switch OFF → ON | 0 V → 10 to 14 V |
| D27–10 (GND) – Body ground | Constant | Below 1 Ω |
| D28–8 (SGND) – Body ground | Constant | Below 1 Ω |

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

**OK**

**PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOMS TABLE**
**(See page 05–2281)**