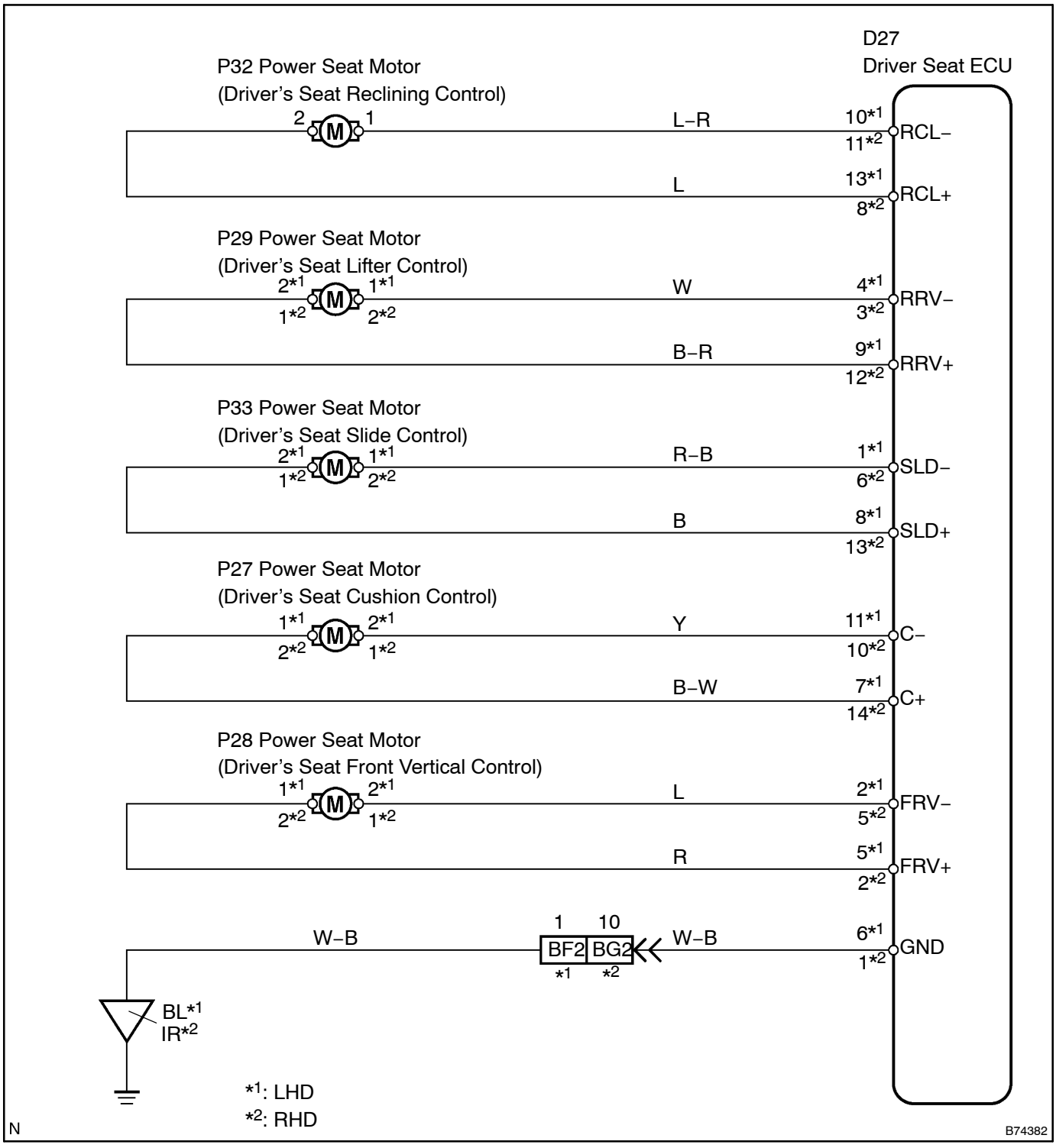
POWER SEAT MOTOR CIRCUIT

CIRCUIT DESCRIPTION

The driver seat ECU receives signals from the power seat control switches and operates each power seat motor according to its switch position.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	PERFORM ACTIVE TEST USING INTELLIGENT TESTER II

(a) Connect the intelligent tester II to the DLC3.
(b) Turn the ignition switch ON and push the hand held tester main switch ON.
(c) Select the ACTIVE TEST on the intelligent tester II to generate a control command, and then check that the power seat operates.

Driver seat ECU:

Item	Test Details	Diagnostic Note
Reclining	Test detail: reclining operation FRONT/REAR Vehicle condition: stopped	–
F Vertical	Test detail: front vertical operation UP/DOWN Vehicle condition: stopped	–
Lifter	Test detail: lifter operation UP/DOWN Vehicle condition: stopped	–
Slide	Test detail: sliding operation UP/DOWN Vehicle condition: stopped	–
Headrest	Test detail: headrest operation UP/DOWN Vehicle condition: stopped	–
Cushion	Test detail: cushion length operation FRONT/REAR Vehicle condition: stopped	–

OK:
The motor operates normally.

NG → **Go to step 2**

OK

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

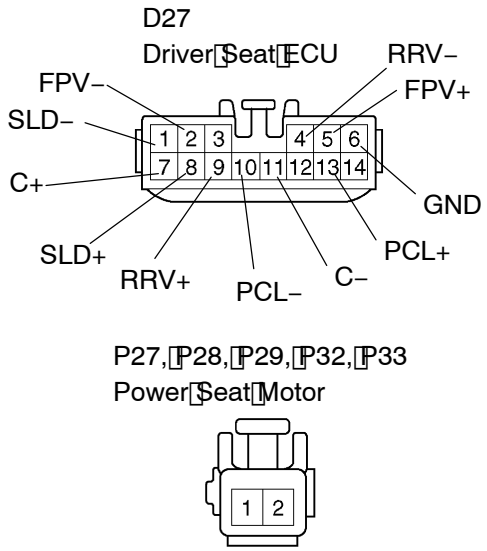
2	INSPECT POWER SEAT MOTOR (See page 05–2321)

NG → **REPLACE POWER SEAT MOTOR**

OK

3	CHECK WIRE HARNESS (DRIVER SEAT ECU – POWER SEAT MOTOR AND BODY GROUND)

Wire Harness Side
LHD Models



(a) Disconnect the D27 ECU, P27, P28, P29, P32 and P33 motor connectors.

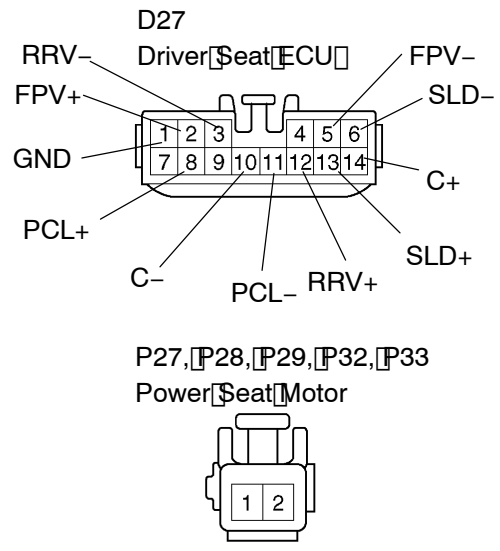
(b) Measure the resistance of the wire harness side connectors.

Standard:

LHD models

Tester Connection	Specified Condition
D27–10 (RCL–) – P32–1	Below 1 Ω
D27–13 (RCL+) – P32–2	Below 1 Ω
D27–4 (RRV–) – P29–1	Below 1 Ω
D27–9 (RRV+) – P29–2	Below 1 Ω
D27–1 (SLD–) – P33–1	Below 1 Ω
D27–8 (SLD+) – P33–2	Below 1 Ω
D27–11 (C–) – P27–2	Below 1 Ω
D27–7 (C+) – P27–1	Below 1 Ω
D27–2 (FPV–) – P28–2	Below 1 Ω
D27–5 (FPV+) – P28–1	Below 1 Ω
D27–6 (GND) – Body ground	Below 1 Ω

Wire Harness Side
RHD Models



RHD models

Tester Connection	Specified Condition
D27–11 (RCL–) – P32–1	Below 1 Ω
D27–8 (RCL+) – P32–2	Below 1 Ω
D27–3 (RRV–) – P29–2	Below 1 Ω
D27–12 (RRV+) – P29–1	Below 1 Ω
D27–6 (SLD–) – P33–2	Below 1 Ω
D27–13 (SLD+) – P33–1	Below 1 Ω
D27–10 (C–) – P27–1	Below 1 Ω
D27–14 (C+) – P27–2	Below 1 Ω
D27–5 (FPV–) – P28–1	Below 1 Ω
D27–2 (FPV+) – P28–2	Below 1 Ω
D27–1 (GND) – Body ground	Below 1 Ω

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

OK

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