DIAZW–01

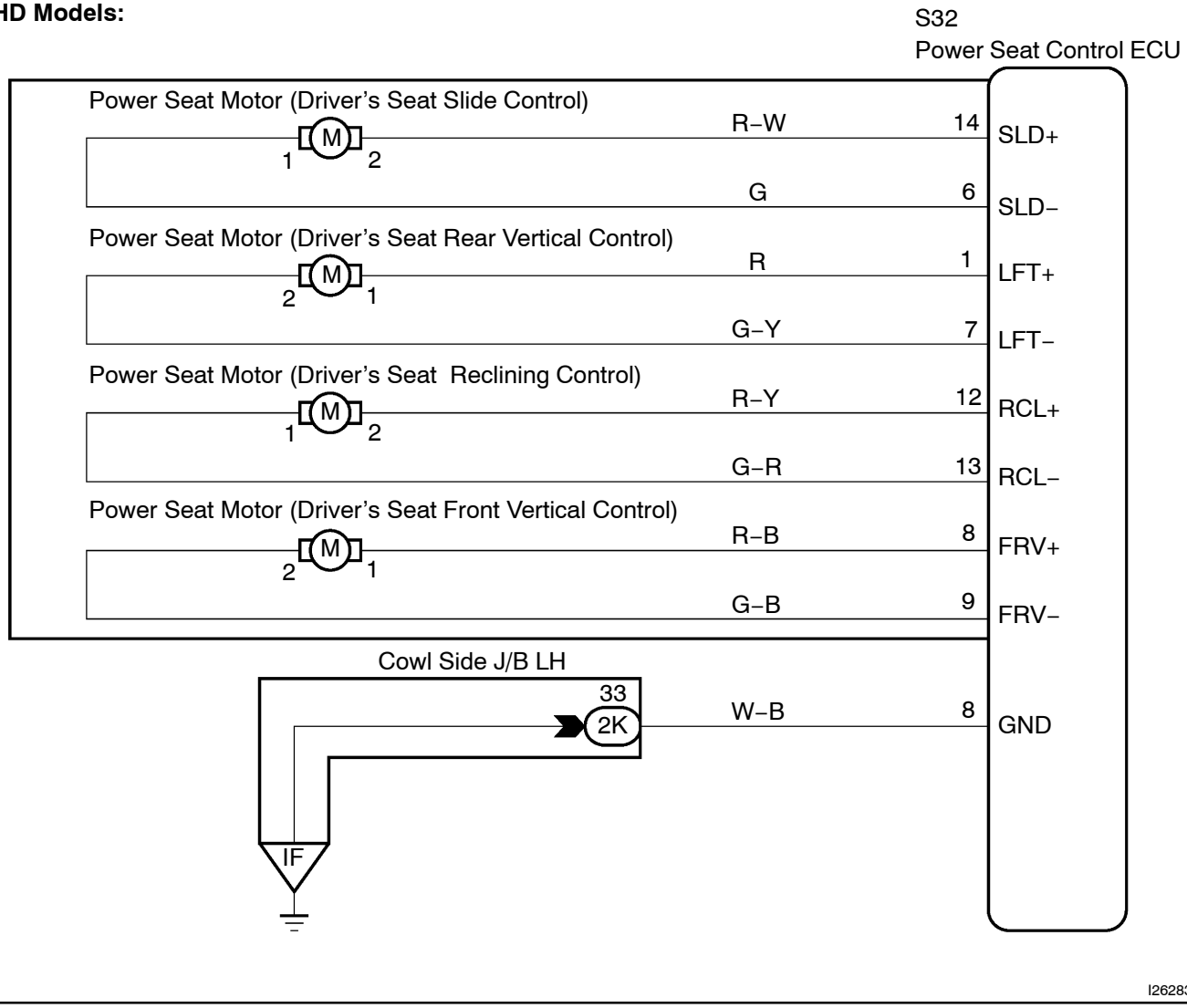
Motor Circuit

CIRCUIT DESCRIPTION

The Seat Position Control ECU controls the 4 motors for slide, front vertical, rear vertical and reclining.

WIRING DIAGRAM

LHD Models:



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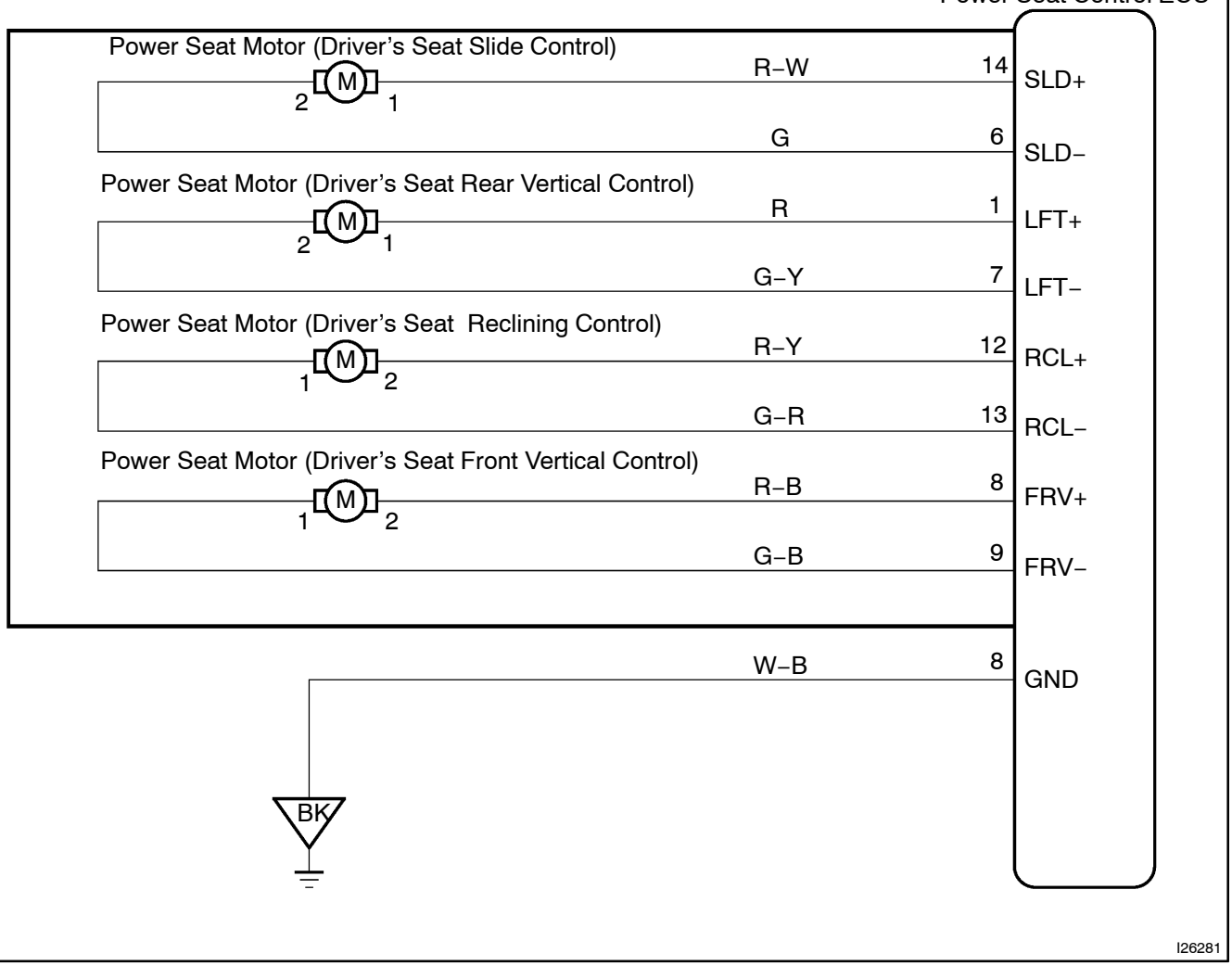
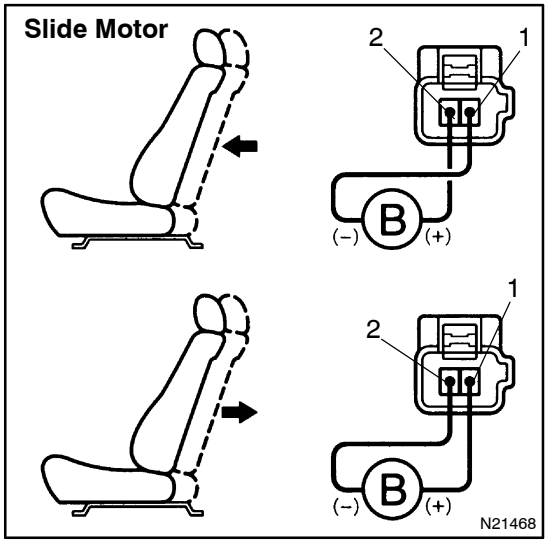
RHD Models:


S32
Power Seat Control ECU
Power Seat Motor (Driver's Seat Slide Control)
M
2
1
R–W
14
SLD+
G
6
SLD–
Power Seat Motor (Driver's Seat Rear Vertical Control)
M
2
1
R
1
LFT+
G–Y
7
LFT–
Power Seat Motor (Driver's Seat Reclining Control)
M
1
2
R–Y
12
RCL+
G–R
13
RCL–
Power Seat Motor (Driver's Seat Front Vertical Control)
M
1
2
R–B
8
FRV+
G–B
9
FRV–
W–B
8
GND
BK
I26281

INSPECTION PROCEDURE

1	**Check motor.**



PREPARATION:

(a) Remove seat.

(b) Disconnect each motor connector.

CHECK:

Check seat movement when battery positive voltage is applied to each motor.

Slide Motor

CHECK:

Connect battery ⊕ to terminal 2 and battery ⊖ to terminal 1 of the slide motor connector.

OK:

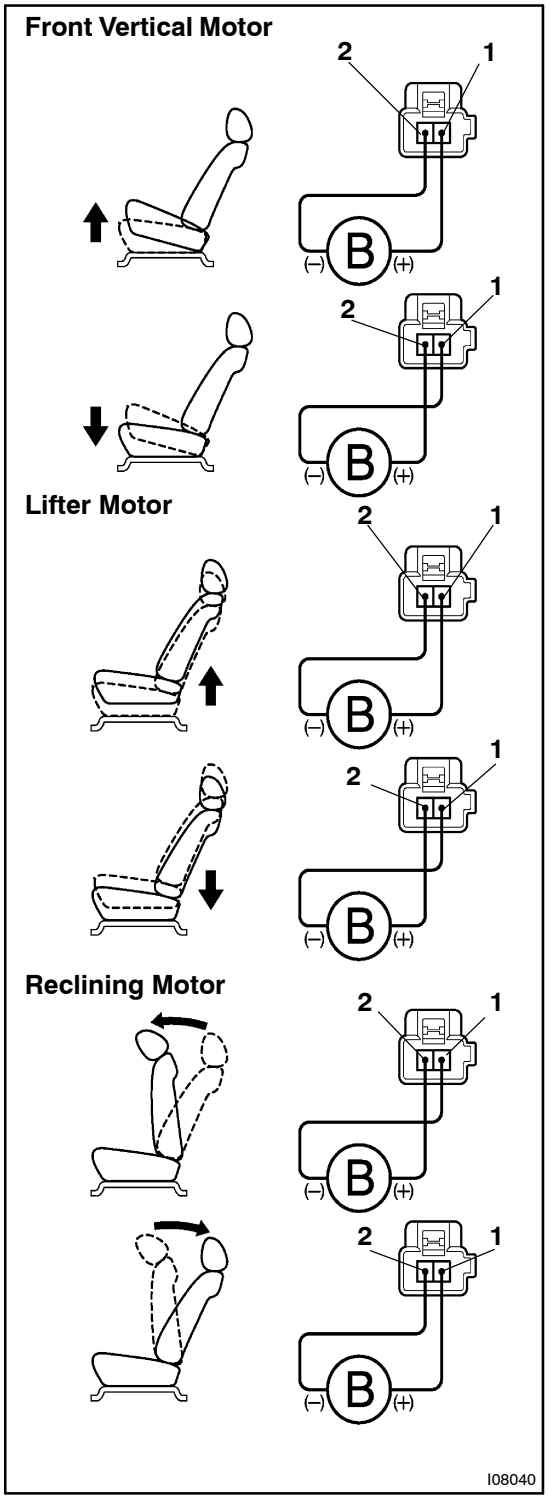
The seat moves forward.

CHECK:

Connect battery ⊖ to terminal 2 and battery ⊕ to terminal 1 of the slide motor connector.

OK:

The seat moves backward.



Front Vertical Motor

CHECK:

Connect battery ⊕ to terminal 1 and battery ⊖ to terminal 2 of the front vertical motor connector.

OK:

The front of the seat cushion rises.

CHECK:

Connect battery ⊖ to terminal 1 and battery ⊕ to terminal 2 of the front vertical motor connector.

OK:

The front of the seat cushion lowers.

Lifter Motor

CHECK:

Connect battery ⊕ to terminal 1 and battery ⊖ to terminal 2 of the rear vertical motor connector.

OK:

The front of the seat cushion rises.

CHECK:

Connect battery ⊖ to terminal 1 and battery ⊕ to terminal 2 of the rear vertical motor connector.

OK:

The front of the seat cushion lowers.

Reclining Motor

CHECK:

Connect battery ⊕ to terminal 2 and battery ⊖ to terminal 1 of the reclining motor connector.

OK:

The seat back returns to up right.

CHECK:

Connect battery ⊖ to terminal 2 and battery ⊕ to terminal 1 of the reclining motor connector.

OK:

The seat back is reclining.

NG → **Replace motor.**

OK

2	Check harness and connector between Power Seat ECU and motor (See page IN–38).

NG → Repair or replace harness or connector.

OK

Proceed to next circuit inspection shown on problem symptom table (See page DI–786).