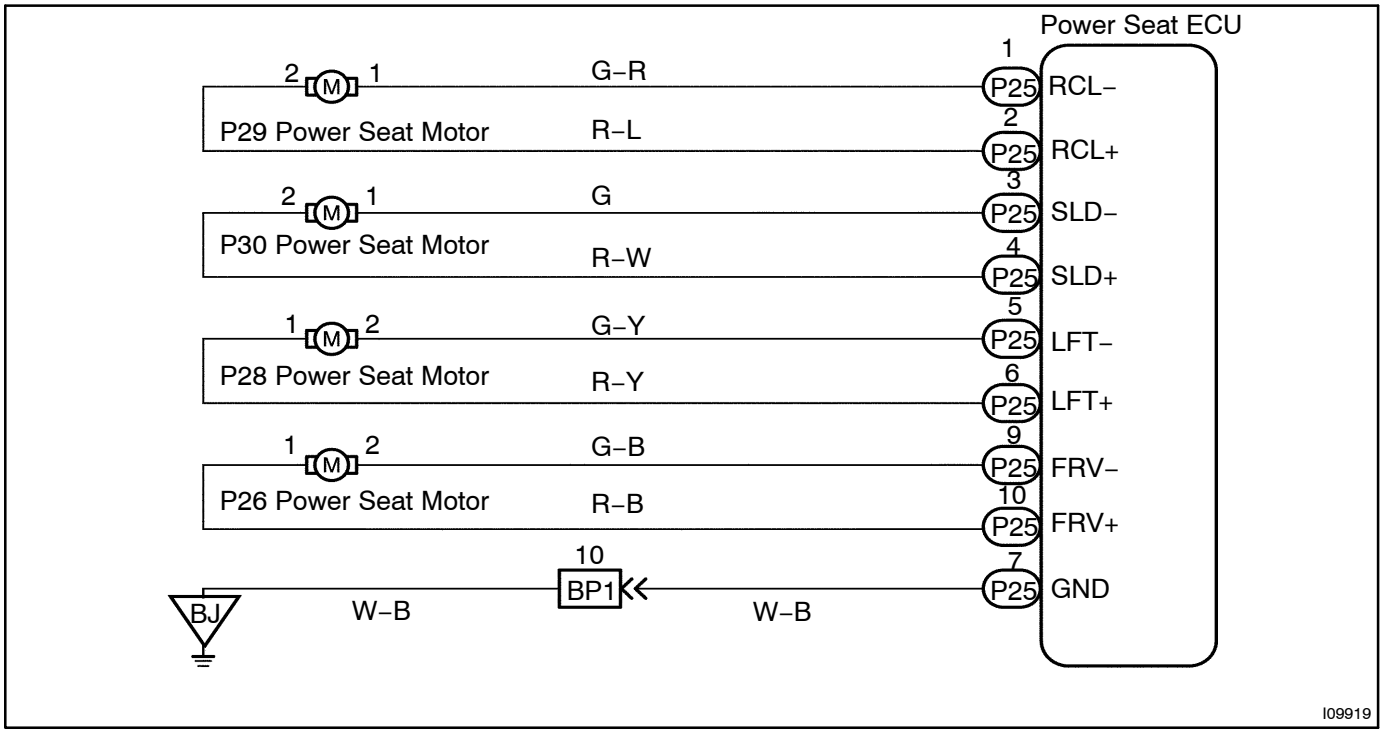
DI0G4–07

Motor Circuit

CIRCUIT DESCRIPTION

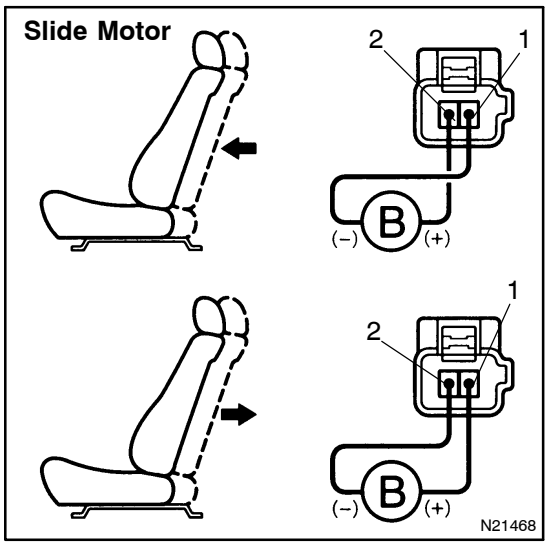
The Seat Position Control ECU controls the 4 motors for slide, front vertical, rear vertical and reclining.

WIRING DIAGRAM



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:

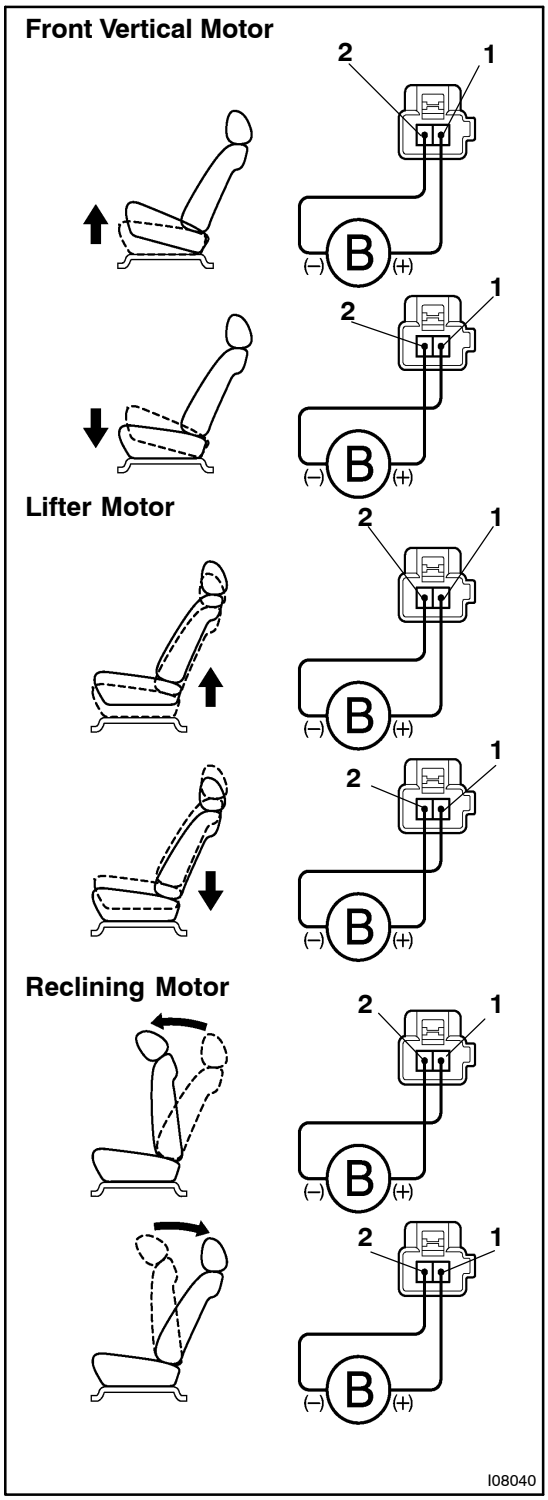
The seat moves forward.

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–34).**

NG → **Repair or replace harness or connector.**

OK

Proceed to next circuit inspection shown on problem symptom table (See page DI–612).