

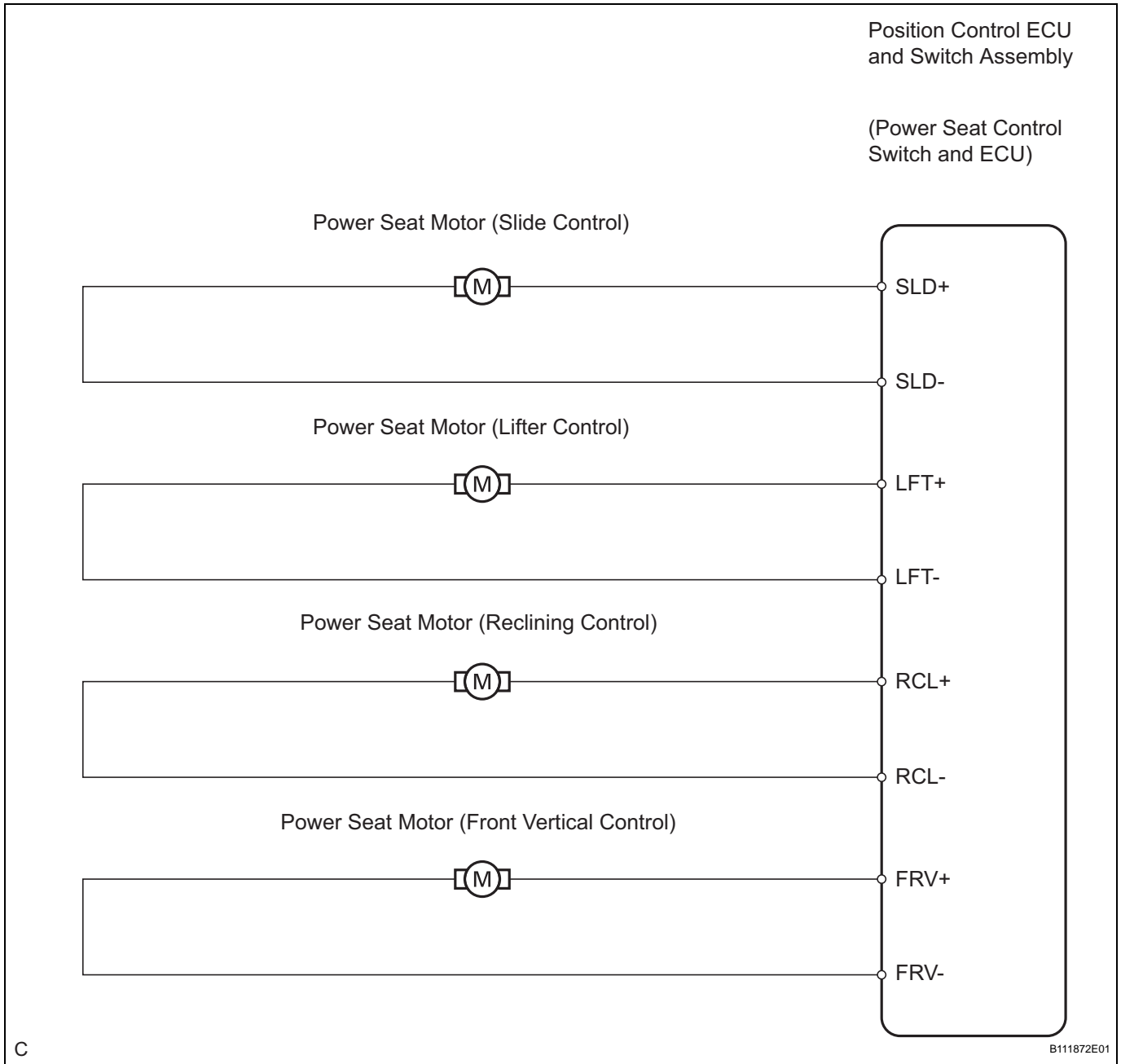
## Power Seat Motor Circuit

### DESCRIPTION

When the power seat control switch is operated, a command signal is sent to the position control ECU and switch assembly (power seat control switch and ECU). The front power seat switch then controls the appropriate seat motor as needed. This memory system does not use a seat position sensor. The seat position is detected by counting pulses that are output when the motor turns. If there is no pulse output from the motor, the motor will stop operating. The position control ECU and switch assembly (power seat control switch and ECU) is designed so that any malfunction of the seat memory system will not interfere with manual seat control.

If the position control ECU and switch assembly (power seat control switch and ECU) detects a low motor speed, abnormal activity, or sudden motor current fluctuation, the system will stop the motor. If the motor operates continuously for 120 seconds or more, the system will stop the motor until the switch is turned on again.

**WIRING DIAGRAM**



**1 PERFORM ACTIVE TEST BY INTELLIGENT TESTER**

- (a) Connect the intelligent tester (with CAN VIM) to the DLC3.
- (b) Turn the ignition switch on.
- (c) Perform the ACTIVE TEST by following the directions on the tester screen.

**D\_SEAT (Position control ECU and switch assembly)**

Item	Test Details	Diagnostic Note
RECLINING	Test detail: reclining operation FRONT/REAR Vehicle condition: stopped	-

Item	Test Details	Diagnostic Note
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	-

**OK:**

**Each power seat motor operates.**

**NG** →

**Go to step 2**

**OK**

**PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE**

**2**

**INSPECT FRONT SEAT ADJUSTER SUB-ASSEMBLY (POWER SEAT MOTOR)**

(a) Inspect the power seat motor (See page [SE-77](#)).

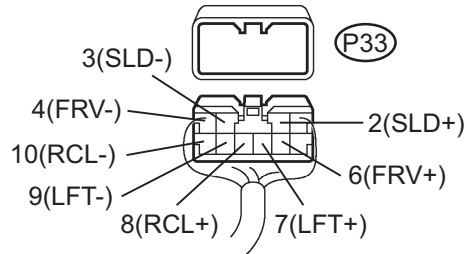
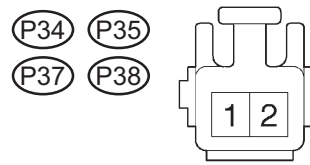
**OK:**

**The power seat motor operates.**

**NG** →

**REPLACE FRONT SEAT ADJUSTER SUB-ASSEMBLY (POWER SEAT MOTOR)**

**OK**

**3****CHECK HARNESS AND CONNECTOR (POSITION CONTROL ECU AND SWITCH ASSEMBLY - POWER SEAT MOTOR)****Position Control ECU and Switch Assembly Connector****Wire Harness Rear View:****Power Seat Motor Connector****Wire Harness Front View:**

B112268E01

- (a) Disconnect the position control ECU and switch assembly connector and power seat motor connectors.  
 (b) Measure the resistance according to the value(s) in the table below.

**Resistance**

Tester Connection	Condition	Specified Condition
P33-2(SLD+) - P38-1	Always	Below 1 $\Omega$
P33-3(SLD-) - P38-2	Always	Below 1 $\Omega$
P33-4(FRV-) - P34-2	Always	Below 1 $\Omega$
P33-6(FRV+) - P34-1	Always	Below 1 $\Omega$
P33-7(LFT+) - P35-2	Always	Below 1 $\Omega$
P33-9(LFT-) - P35-1	Always	Below 1 $\Omega$
P33-8(RCL+) - P37-2	Always	Below 1 $\Omega$
P33-10(RCL-) - P37-1	Always	Below 1 $\Omega$
P33-2(SLD+) - Body ground	Always	10 k $\Omega$ or higher
P33-3(SLD-) - Body ground	Always	10 k $\Omega$ or higher
P33-4(FRV-) - Body ground	Always	10 k $\Omega$ or higher
P33-6(FRV+) - Body ground	Always	10 k $\Omega$ or higher
P33-7(LFT+) - Body ground	Always	10 k $\Omega$ or higher
P33-9(LFT-) - Body ground	Always	10 k $\Omega$ or higher
P33-8(RCL+) - Body ground	Always	10 k $\Omega$ or higher
P33-10(RCL-) - Body ground	Always	10 k $\Omega$ or higher

**NG****REPAIR OR REPLACE HARNESS OR CONNECTOR****OK****PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE**