PROBLEM SYMPTOMS TABLE

HINT:

- Inspect the fuse and relay before confirming the suspected areas in the table below.
- Inspect each suspected area in numerical order for the corresponding symptom.

If the malfunction still exists after checking and confirming that all circuits and components are normal, replace the ECU.

FRONT POWER SEAT CONTROL SYSTEM (w/o MEMORY)

Symptom	Suspected area	See page
Power seat does not operate (slide, front vertical, lifter, reclining).	1. P/SEAT fuse	-
	2. Power seat switch	SE-203
	3. Wire harness or connector	-
Slide operation function only does not operate.	1. Power seat switch	SE-203
	2. Front seat frame with adjuster (LH side slide motor)	SE-205
	3. Front seat frame with adjuster (RH side slide motor)	SE-205
	4. Wire harness or connector	-
Front vertical operation function only does not operate.	1. Power seat switch	SE-203
	2. Front seat frame with adjuster (LH side front vertical motor)	SE-205
	3. Wire harness or connector	-
Lifter operation function only does not operate.	1. Power seat switch	SE-203
	2. Front seat frame with adjuster (LH side lifter motor)	SE-205
	3. Wire harness or connector	-
Reclining operation function only does not operate.	1. Power seat switch	SE-203
	2. Front seat frame with adjuster (LH side reclining motor)	SE-205
	3. Front seat frame with adjuster (RH side reclining motor)	SE-205
	4. Wire harness or connector	-
Lumbar support operation function only does not operate (Driver side only).	1. Front power seat lumbar switch	SE-207
	2. Lumbar support adjuster assembly	SE-208
	3. Wire harness or connector	-

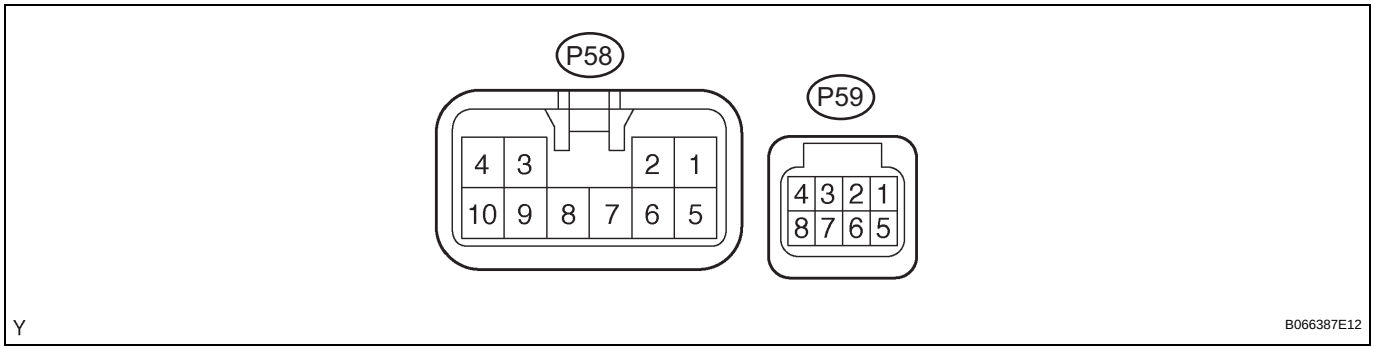
FRONT POWER SEAT CONTROL SYSTEM (w/ MEMORY)

Symptom	Suspected area	See page
Power seat does not operate (manual or memorized position).	1. ECU power source circuit	SE-30
	2. Position control ECU and switch assembly (power seat control switch and ECU)	-
One of the power seat functions does not operate (manual or memorized position).	1. Power seat motor circuit	SE-19
	2. Position control ECU and switch assembly (power seat control switch and ECU)	-
One or all manual seat functions do not operate (memorized positions OK).	1. Position control ECU and switch assembly (power seat control switch	-
Memory function does not operate.	1. Memory switch circuit	SE-26
	2. Multiplex communication system	-
	3. Position control ECU and switch assembly (power seat control switch	-
No memory functions operate or all memory functions operate briefly	1. ECU power source circuit	SE-30
	2. Position control ECU and switch assembly (power seat control switch	-
One memory function does not operate or operates briefly and then stops	1. Front seat frame with adjuster (power seat motor)	SE-205
	2. Position control ECU and switch assembly (power seat control switch	-

TERMINALS OF ECU

1. POSITION CONTROL ECU AND SWITCH ASSEMBLY (POWER SEAT CONTROL SWITCH AND ECU)

(a) Disconnect the P58 and P59 connectors.



(b) Check the voltage of each terminal of the wire harness side connectors.

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
IG (P59-4) - GND (P58-1)	Y - W-B	Ignition switch	Ignition switch off → ignition switch on	Below 1 V → 10 to 14 V
SYSB (P59-8) - GND (P58-1)	W-L - W-B	Power source	Always	10 to 14 V
+B (P58-5) - GND (P58-1)	V - W-B	Battery	Always	10 to 14 V

If the result is not as specified, there may be a malfunction in the wire harness side.

(c) Check the resistance of each terminal of the wire harness side connectors.

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
GND (P58-1) - Body ground	W-B - Body ground	Ground	Always	Below 1 Ω

If the result is not as specified, there may be a malfunction in the wire harness side.

(d) Reconnect the P58 and P59 connectors.

(e) Check the voltage of each terminal of the connectors.

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
MPX1 (P59-1) - GND (P58-1)	R-L - W-B	Multiplex communication signal circuit	Ignition switch on	Pulse generation
SLD+ (P58-2) - GND (P58-1)	L - W-B	Sliding motor signal (Forward)	Seat moving forward using sliding switch → Other conditions	10 to 14 V → Below 1 V
SLD- (P58-3) - GND (P58-1)	L-B - W-B	Sliding motor signal (Rearward)	Seat moving rearward using sliding switch → Other conditions	10 to 14 V → Below 1 V
FRV- (P58-4) - GND (P58-1)	R - W-B	Front vertical motor signal (Downward)	Seat cushion front portion lowering using front vertical switch → Other conditions	10 to 14 V → Below 1 V
FRV+ (P58-6) - GND (P58-1)	L-Y - W-B	Front vertical motor signal (Upward)	Seat cushion front portion rising using front vertical switch → Other conditions	10 to 14 V → Below 1 V
LFT+ (P58-7) - GND (P58-1)	Y-G - W-B	Lifter motor signal (Upward)	Seat rising using lifter switch → Other conditions	10 to 14 V → Below 1 V

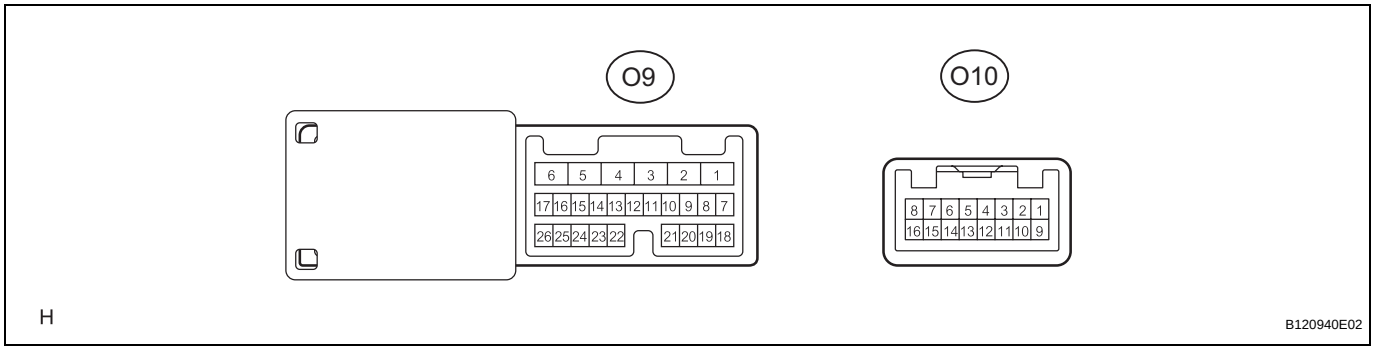
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Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
RCL+ (P58-8) - GND (P58-1)	R-G - W-B	Reclining motor signal (Forward)	Seatback moving forward using reclining switch → Other conditions	10 to 14 V → Below 1 V
LFT- (P58-9) - GND (P58-1)	Y - W-B	Lifter motor signal (Downward)	Seat lowering using lifter switch → Other conditions	10 to 14 V → Below 1 V
RCL- (P58-10) - GND (P58-1)	R-B - W-B	Reclining motor signal (Rearward)	Seatback moving rearward using reclining switch → Other conditions	10 to 14 V → Below 1 V

If the result is not as specified, the position control ECU and switch assembly may be malfunctioning.

2. OUTER MIRROR CONTROL ECU LH

(a) Disconnect the outer mirror control ECU LH connector.



(b) Check the voltage of each terminal of the wire harness side connectors.

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
CPUB (O9-4) - GND (O9-1)	W-L - W-B	Power source	Always	10 to 14 V
BDR (O9-6) - GND (O9-1)	R-L - W-B	Power window motor power source	Always	10 to 14 V
SIG (O9-3) - GND (O9-1)	B-R - W-B	Ignition switch signal	Ignition switch off → ignition switch on	Below 1 V → 10 to 14 V

If the result is not as specified, there may be a malfunction in the wire harness side.

(c) Check the resistance of each terminal of the wire harness side connector.

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
GND (O9-1) - Body ground	W-B - Body ground	Ground	Always	Below 1 Ω

If the result is not as specified, there may be a malfunction in the wire harness side.

(d) Reconnect the outer mirror control ECU LH connector.

(e) Check the voltage of each terminal of the connectors.

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
MM (O9-25) - GND (O9-1)	W-R - W-B	SET switch signal	SET switch is not pushed → pushed	10 to 14 V → Below 1 V
M1 (O9-22) - GND (O9-1)	B-W - W-B	SW1 switch signal	SW1 switch is not pushed → pushed	10 to 14 V → Below 1 V
M2 (O9-23) - GND (O9-1)	V - W-B	SW2 switch signal	SW2 switch is not pushed → pushed	10 to 14 V → Below 1 V

If the result is not as specified, the outer mirror control ECU LH may be malfunctioning.