

POWER SEAT (DRIVER'S SEAT w/ DRIVING POSITION MEMORY) (RHD)

SYSTEM OUTLINE

1. MANUAL SLIDE OPERATION

When the slide SW of the power seat control SW is pressed to the **FRONT** position, the signal is input to **TERMINAL (B) 15** of the power seat ECU. This activates the power seat ECU to flow the current into **TERMINAL (A) 3** of the power seat ECU to **TERMINAL 2** of the power seat motor (Slide control) to **TERMINAL 1** to **TERMINAL (A) 4** of the ECU to **(A) 7** to **GROUND**, to move the seat forward while the power seat control SW is kept pressed.

When the slide SW of the power seat control SW is pressed to the **REAR** position, the signal is input to **TERMINAL (B) 16** of the power seat ECU. This activates the ECU to flow the current into **TERMINAL (A) 4** of the power seat ECU, **TERMINAL 1** of the power seat motor (Slide control) to **TERMINAL 2** to **TERMINAL (A) 3** of the ECU to **(A) 7** to **GROUND**, to move the seat back backward.

At this time, the power seat position sensor (Slide control) detects the seat position and always inputs it to **TERMINAL (B) 14** of the power seat ECU.

2. MANUAL RECLINING CONTROL

When the reclining SW of the power seat control SW is pressed forward, the signal is input to **TERMINAL (B) 21** of the power seat ECU. This activates the power seat ECU to flow the current into **TERMINAL (A) 1** of the power seat ECU to **TERMINAL 1** of the power seat motor (Reclining control) to **TERMINAL 2** to **TERMINAL (A) 2** of the ECU to **(A) 7** to **GROUND**, to tilt the seat back forward while the power seat control SW is kept pressed.

When the reclining SW of the power seat control SW is pressed backward, the signal is input to **TERMINAL (B) 22** of the power seat ECU. This activates the ECU to flow the current into **TERMINAL (A) 2** of the power seat ECU, **TERMINAL 2** of the power seat motor (Reclining control) to **TERMINAL 1** to **TERMINAL (A) 1** of the ECU to **(A) 7** to **GROUND**, to tilt the seat backward.

At this time, the power seat position sensor (Reclining control) detects the seat back position and always inputs it to **TERMINAL (B) 5** of the power seat ECU.

3. MANUAL FRONT VERTICAL CONTROL

When the front part of the slide SW of the power seat control SW is pushed up, the signal is input to **TERMINAL (B) 19** of the power seat ECU. This activates the power seat ECU to flow the current into **TERMINAL (A) 10** of the power seat ECU to **TERMINAL 1** of the power seat motor (Front vertical control) to **TERMINAL 2** to **TERMINAL (A) 9** of the ECU to **(A) 7** to **GROUND**, to raise the front part of the seat cushion while the power seat control SW is kept pressed.

When the front part of the slide SW of the power seat control SW is pushed down, the signal is input to **TERMINAL (B) 7** of the power seat ECU. This activates the power seat ECU to flow the current into **TERMINAL (A) 9** of the power seat ECU, **TERMINAL 2** of the power seat motor (Front vertical control) to **TERMINAL 1** to **TERMINAL (A) 10** of the ECU to **(A) 7** to **GROUND**, to lower the front part of the seat cushion while the power seat control SW is kept pressed.

At this time, the power seat position sensor (Front vertical control) detects the seat cushion position (Front) and always inputs the signal to **TERMINAL (B) 3** of the power seat ECU.

4. MANUAL REAR VERTICAL OPERATION

When the rear part of the slide SW of the power seat control SW is pushed up, the signal is input to **TERMINAL (B) 17** of the power seat ECU. This activates the power seat ECU to flow the current into **TERMINAL (A) 6** of the power seat ECU to **TERMINAL 1** of the power seat motor (Rear vertical control) to **TERMINAL 2** to **TERMINAL (A) 5** of the ECU to **(A) 7** to **GROUND**, to raise the seat while the power seat control SW is kept pressed.

When the rear part of the slide SW of the power seat control SW is pushed down, the signal is input to **TERMINAL (B) 18** of the power seat ECU. This activates the ECU to flow the current into **TERMINAL (A) 5** of the power seat ECU to **TERMINAL 1** of the power seat motor (Rear vertical control) to **TERMINAL 2** to **TERMINAL (A) 6** of the ECU to **(A) 7** to **GROUND**, to lower the seat while the power seat control SW is kept pressed.

At this time, the power seat position sensor (Rear vertical control) detects the seat cushion position (Rear) and always inputs the signal to **TERMINAL (B) 4** of the power seat ECU.

5. MANUAL LUMBAR SUPPORT OPERATION

When the lumbar support control SW is pressed forward, the current flows from the **D P/SEAT** fuse into **TERMINAL 4** to **TERMINAL 1** of the lumbar support control SW to **TERMINAL 2** of the power seat motor (Lumbar support control) to **TERMINAL 1** to **TERMINAL 2** of the SW to **TERMINAL 3** to **GROUND**, to move the lumbar support forward.

When the SW is pressed backward, the current from the **D P/SEAT** fuse flows into **TERMINAL 4** to **TERMINAL 2** of the lumbar support control SW to **TERMINAL 1** of the power seat motor (Lumbar support control) to **TERMINAL 2** to **TERMINAL 1** of the SW to **TERMINAL 3** to **GROUND**, to move the lumbar support backward.

6. DRIVING POSITION MEMORY FUNCTION

Each position sensor in the seat detects the number of rotations of the relevant motor (Seat movement amount) and inputs it to the ECU. This makes it possible to store and recall the seat position by operating the position memory SW. The driving seat position is stored and recalled through communication control of the body ECU and door ECU etc.

SERVICE HINTS

P18 (A), P19 (B) POWER SEAT ECU

- (B) 9-GROUND : Always approx. **12** volts
- (A) 8-GROUND : Always approx. **12** volts
- (A) 7-GROUND : Always continuity
- (B) 13-GROUND : Always continuity
- (B) 8-GROUND : Approx. **12** volts with ignition SW at **ON** or **ST** position
- (A) 1-GROUND : Approx. **12** volts with driver's seat at rear reclining operation
- (A) 2-GROUND : Approx. **12** volts with driver's seat at front reclining operation
- (A) 10-GROUND : Approx. **12** volts with driver's seat at front vertical up operation
- (A) 9-GROUND : Approx. **12** volts with driver's seat at front vertical down operation
- (A) 6-GROUND : Approx. **12** volts with driver's seat at rear vertical up operation
- (A) 5-GROUND : Approx. **12** volts with driver's seat at rear vertical down operation
- (A) 3-GROUND : Approx. **12** volts with driver's seat at rear slide operation
- (A) 4-GROUND : Approx. **12** volts with driver's seat at front slide operation

P16 POWER SEAT CONTROL SW (DRIVER'S SEAT)

- 3-1 : Closed with driver's seat at front reclining operation
- 2-1 : Closed with driver's seat at rear reclining operation
- 10-1 : Closed with driver's seat at front vertical down operation
- 5-1 : Closed with driver's seat at front vertical up operation
- 7-1 : Closed with driver's seat at rear vertical down operation
- 8-1 : Closed with driver's seat at rear vertical up operation
- 9-1 : Closed with driver's seat at front slide operation
- 6-1 : Closed with driver's seat at rear slide operation

L8 LUMBAR SUPPORT CONTROL SW (DRIVER'S SEAT)

- 1-GROUND : Always approx. **12** volts
- 2-GROUND : Always continuity

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A16	86 (RHD)	J37	88 (RHD)	P21	94 (RHD)
B5	A 86 (RHD)	J38	88 (RHD)	P22	94 (RHD)
B6	A 86 (RHD)	J41	88 (RHD)	P23	94 (RHD)
C12	86 (RHD)	J42	88 (RHD)	P24	94 (RHD)
D18	A 90 (RHD)	J45	90 (RHD)	P30	94 (RHD)
D20	C 90 (RHD)	J47	94 (RHD)	P31	94 (RHD)
D21	90 (RHD)	L8	94 (RHD)	P32	94 (RHD)
E5	82 (RHD)	M2	88 (RHD)	P33	94 (RHD)
F11	A 90 (RHD)	P16	94 (RHD)	R13	92 (RHD)
F13	C 90 (RHD)	P18	A 94 (RHD)	R14	92 (RHD)
J31	88 (RHD)	P19	B 94 (RHD)	T5	88 (RHD)
J32	88 (RHD)	P20	94 (RHD)		

○ : RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
1	54 (RHD)	Engine Room No.1 R/B (Engine Compartment Left)

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: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1E	58 (RHD)	Floor No.1 Wire and Driver Side J/B (Right Kick Panel)
1F	58 (RHD)	Cowl Wire and Driver Side J/B (Right Kick Panel)
1G	59 (RHD)	
1H		
2B	60 (RHD)	
2F	60 (RHD)	Cowl Wire and Passenger Side J/B (Left Kick Panel)
2G	61 (RHD)	
2H		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

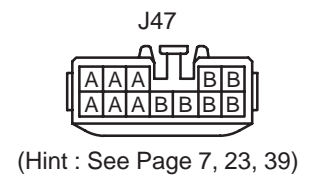
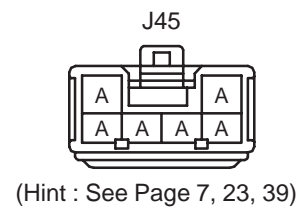
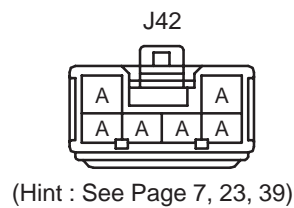
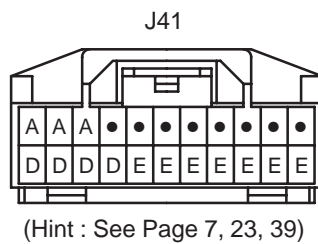
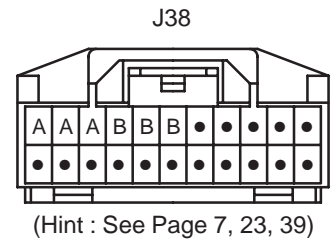
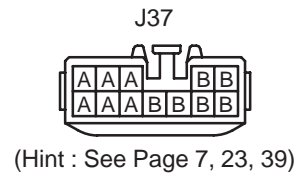
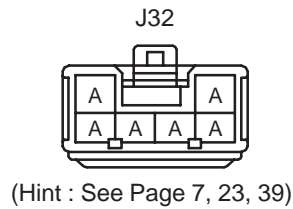
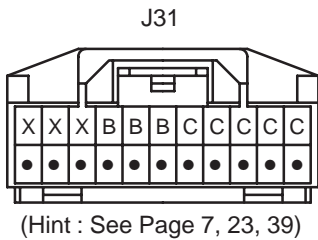
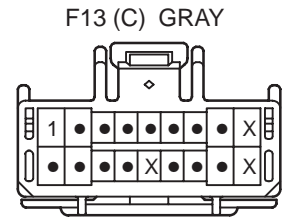
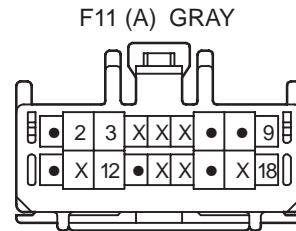
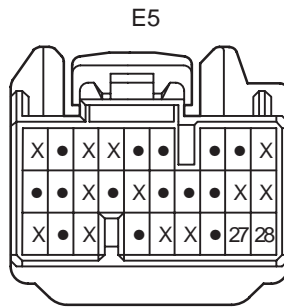
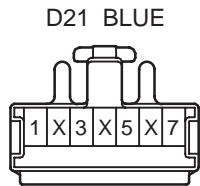
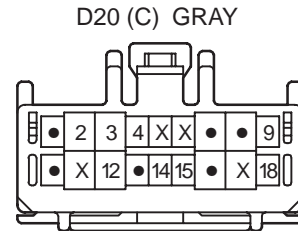
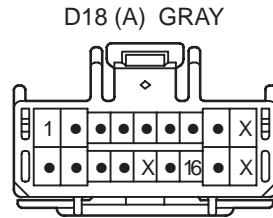
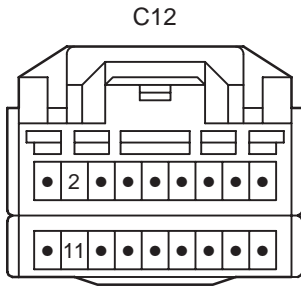
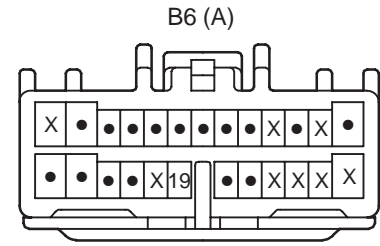
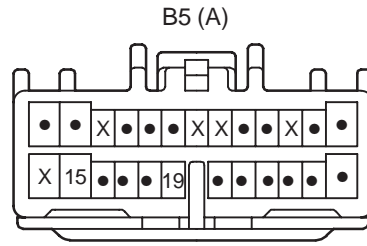
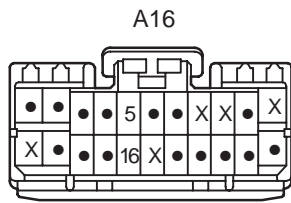
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IB1	108 (RHD)	Front Door LH Wire and Cowl Wire (Left Kick Panel)
IC2	108 (RHD)	Floor No.2 Wire and Cowl Wire (Left Kick Panel)
IC3		
ID1	108 (RHD)	Instrument Panel Wire and Cowl Wire (Right Side of the Blower Unit)
IJ1	110 (RHD)	Instrument Panel Wire and Cowl Wire (Right Side of the Steering Column)
IL1	110 (RHD)	Front Door RH Wire and Cowl Wire (Right Kick Panel)
IM1	110 (RHD)	Floor No.1 Wire and Cowl Wire (Right Kick Panel)
IM3		
BA1	112 (RHD)	Rear Door LH Wire and Floor No.2 Wire (Under the Center Pillar LH)
BB1	112 (RHD)	Rear Door RH Wire and Floor No.1 Wire (Under the Center Pillar RH)
BD1	114 (RHD)	Floor No.1 Wire and Front Seat RH Wire (Under the Driver's Seat)

: GROUND POINTS

Code	See Page	Ground Points Location
IF	108 (RHD)	Left Kick Panel
IG	108 (RHD)	Behind the Combination Meter
II	108 (RHD)	Cowl Side Panel RH
BL	112 (RHD)	Rear Floor Partition Panel RH
BM	112 (RHD)	Quarter Panel RH

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B7	114 (RHD)	Front Seat RH Wire			



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