SYSTEM OUTLINE

1. MANUAL SLIDE OPERATION

When the slide SW of the power seat control SW is pressed to **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 2** of the power seat motor (Rear vertical control) to **TERMINAL 1** 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 up operation
5–1 : Closed with driver's seat at front vertical down operation
7–1 : Closed with driver's seat at rear vertical up operation
8–1 : Closed with driver's seat at rear vertical down 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)

4–GROUND : Always approx. **12** volts
3–GROUND : Always continuity

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A16	72 (LHD)	J10	74 (LHD)	P20	80 (LHD)
B5 A	72 (LHD)	J13	74 (LHD)	P21	80 (LHD)
B6 A	72 (LHD)	J16	74 (LHD)	P22	80 (LHD)
C12	72 (LHD)	J18	74 (LHD)	P23	80 (LHD)
D18 A	76 (LHD)	J19	74 (LHD)	P24	80 (LHD)
D20 C	76 (LHD)	J21	78 (LHD)	P30	80 (LHD)
D21	76 (LHD)	J23	80 (LHD)	P31	80 (LHD)
E5	68 (LHD)	L8	80 (LHD)	P32	80 (LHD)
F11 A	76 (LHD)	M2	74 (LHD)	P33	80 (LHD)
F13 C	76 (LHD)	P16	80 (LHD)	R13	78 (LHD)
J7	74 (LHD)	P18 A	80 (LHD)	R14	78 (LHD)
J8	74 (LHD)	P19 B	80 (LHD)	T5	74 (LHD)

▭ : RELAY BLOCKS

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

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

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

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IB1	98 (LHD)	Front Door LH Wire and Cowl Wire (Left Kick Panel)
IC1	98 (LHD)	Floor No.2 Wire and Cowl Wire (Left Kick Panel)
IC2		
IC3		
IE1	98 (LHD)	Instrument Panel Wire and Cowl Wire (Left Side of the Steering Column)
IJ1	100 (LHD)	Instrument Panel Wire and Cowl Wire (Left Side of the Blower Unit)
IK1	100 (LHD)	Front Door RH Wire and Cowl Wire (Right Kick Panel)
IL1	100 (LHD)	Floor No.1 Wire and Cowl Wire (Right Kick Panel)
IL3		
BA1	102 (LHD)	Rear Door LH Wire and Floor No.2 Wire (Under the Center Pillar LH)
BB1	102 (LHD)	Rear Door RH Wire and Floor No.1 Wire (Under the Center Pillar RH)
BC1	104 (LHD)	Floor No.2 Wire and Front Seat LH Wire (Under the Driver's Seat)

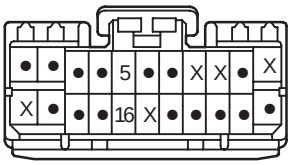
: GROUND POINTS

Code	See Page	Ground Points Location
IF	98 (LHD)	Left Kick Panel
II	98 (LHD)	Right Side of the Cowl Panel
BJ	102 (LHD)	Rear Floor Partition Panel LH
BK	102 (LHD)	Quarter Panel LH

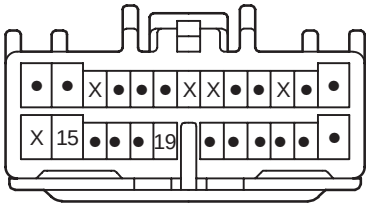
: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I6	100 (LHD)	Cowl Wire	B7	104 (LHD)	Front Seat LH Wire

A16



B5 (A)



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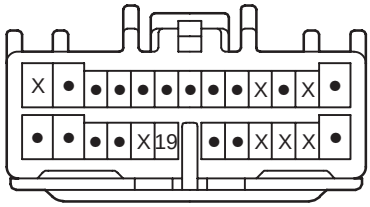
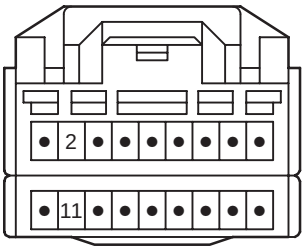
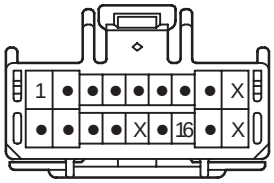


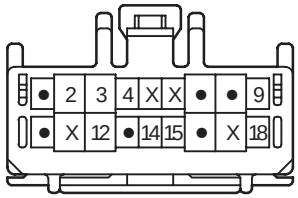
C12



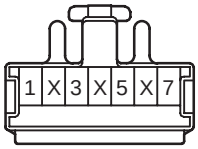
D18 (A) GRAY



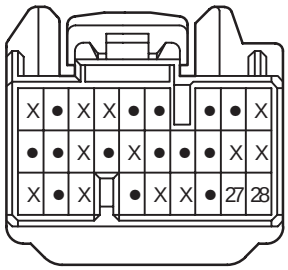
D20 (C) GRAY



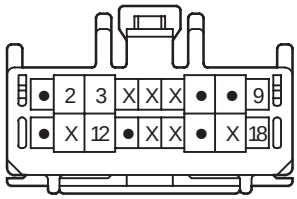
D21 BLUE



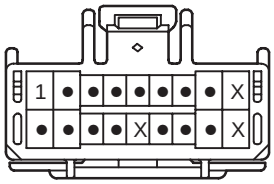
E5



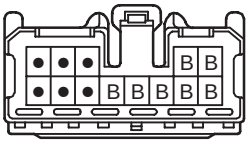
F11 (A) GRAY



F13 (C) GRAY

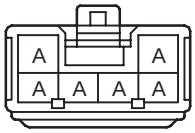


J7 GRAY



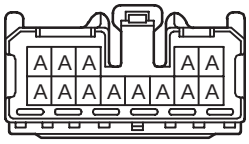
(Hint : See Page 7, 23, 39)

J8



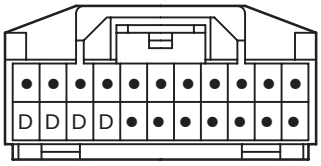
(Hint : See Page 7, 23, 39)

J10 ORANGE



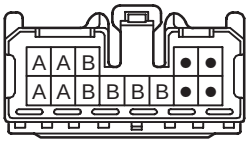
(Hint : See Page 7, 23, 39)

J13



(Hint : See Page 7, 23, 39)

J16

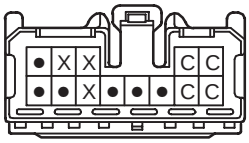


(Hint : See Page 7, 23, 39)

J18

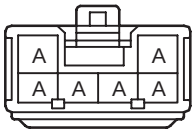
(Hint : See Page 7, 23, 39)

J19 BLUE



(Hint : See Page 7, 23, 39)

J21



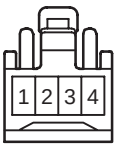
(Hint : See Page 7, 23, 39)

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

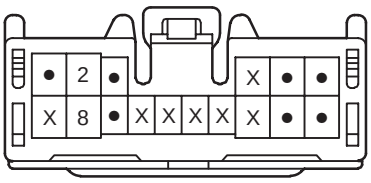
J23

(Hint : See Page 7, 23, 39)

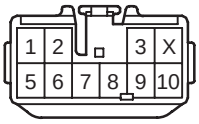
L8



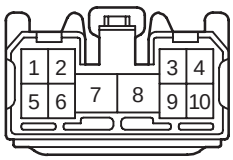
M2 BLUE



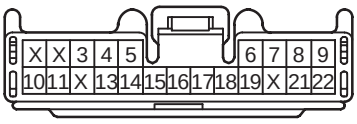
P16 BLACK



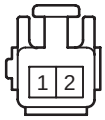
P18 (A)



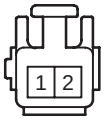
P19 (B)



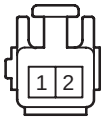
P20 BLUE



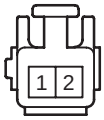
P21



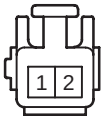
P22



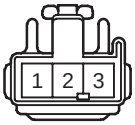
P23



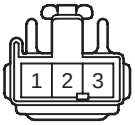
P24



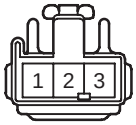
P30 BLUE



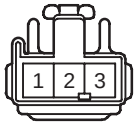
P31



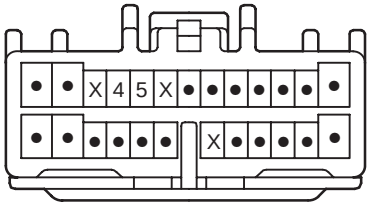
P32



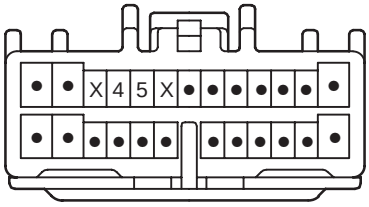
P33



R13



R14



T5 GRAY