SYSTEM OUTLINE

1. MANUAL UNLOCK OPERATION

When the door lock control SW on the driver or front passenger seat is pressed to the unlock position, the signal is input to **TERMINAL MUL** of the driver door ECU or front passenger door ECU. Through communication control of the body ECU and door ECU etc. , the current flows from **TERMINAL A–** of the door ECU into the door lock motor to **TERMINAL A+** of the door ECU to **GROUND**, to unlock the door.

2. MANUAL LOCK OPERATION

When the door lock control SW on the driver or front passenger seat is pressed to LOCK, signal is input to **TERMINAL ML** of the driver door ECU or front passenger door ECU. Through communication control of the body ECU and door ECU etc. , current flows from **TERMINAL A+** of the door ECU to door lock motor to **TERMINAL A–** of the door ECU to **GROUND**, to lock the door.

3. DOOR KEY UNLOCK OPERATION

* Unlock operation from driver door (G.C.C.)
  When the door is unlocked once by the ignition key from the driver side, the signal from the door key lock and unlock SW in the door lock motor front LH is input to **TERMINAL KUL** of the driver door ECU. This signal activates the driver door ECU to flow the current from **TERMINAL A+** of the driver door ECU into the door lock motor front LH to **TERMINAL A+** of the driver door ECU to **GROUND**, to unlock only the driver door. Accordingly, if the second unlock operation is made within **3** sec. after the above unlock operation, all the doors are unlocked through communication control of the body ECU and door ECU etc.
* Unlock operation from driver door (Europe)
  When the door is unlocked by the ignition key from the driver side, the signal from the door key lock and unlock SW in the door lock motor front LH is input to **TERMINAL KUL** of the driver door ECU. Through communication control of the body ECU and door ECU etc. , the current flows from **TERMINAL A–** of the door ECU into the door lock motor front LH to **TERMINAL A+** of the door ECU to **GROUND**, to unlock all the doors at once.
* Unlock operation from passenger door
  When the door is unlocked by the ignition key from the front passenger side, the signal from the door key lock and unlock SW in the door lock motor front RH is input to **TERMINAL KUL** of the front passenger door ECU. Through communication control of the body ECU and door ECU etc. , the current flows from **TERMINAL A–** of the door ECU into the door lock motor front RH to **TERMINAL A+** of the door ECU to **GROUND**, to unlock all the doors at once.

4. IGNITION KEY REMINDER OPERATION

When the door lock operation is made using the door knob with the ignition key remained inserted in the key cylinder and the door open, unlock operation is automatically made. Additionally, if lock operation is made with the door lock control SW or door key lock and unlock SW, unlock operation is automatically made after the lock operation has been completed.

SERVICE HINTS

L6 LUGGAGE COMPARTMENT DOOR KEY UNLOCK SW
1–2 : Closed with door lock cylinder unlocked with key

E8 ENGINE HOOD COURTESY SW
1–2 : Closed with engine hood open

L5 LUGGAGE COMPARTMENT DOOR COURTESY SW AND OPENER MOTOR
2–GROUND : Closed with luggage compartment door open

D8, D9, D10, D11 DOOR COURTESY SW FRONT LH, RH, REAR LH, RH
1–2 : Closed with door open

P11 DOOR LOCK CONTROL SW LH [POWER WINDOW MASTER SW]
5–16 : Closed with **LOCK** position
17–16 : Closed with **UNLOCK** position

D13 DOOR LOCK CONTROL SW FRONT RH
3–2 : Closed with **LOCK** position
1–2 : Closed with **UNLOCK** position

D16 DOOR LOCK MOTOR, DOOR KEY LOCK AND UNLOCK SW AND DOOR LOCK DETECTION SW FRONT LH
2–GROUND : Approx. **12** volts with door lock motor at lock operate
1–GROUND : Approx. **12** volts with door lock motor at unlock operate
5–3 : Closed with door lock cylinder locked with key
6–3 : Closed with door lock cylinder unlocked with key

D17 DOOR LOCK MOTOR, DOOR KEY LOCK AND UNLOCK SW AND DOOR LOCK DETECTION SW FRONT RH
6–GROUND : Approx. **12** volts with door lock motor at lock operate
5–GROUND : Approx. **12** volts with door lock motor at unlock operate
2–4 : Closed with door lock cylinder locked with key
1–4 : Closed with door lock cylinder unlocked with key

D14 DOOR LOCK MOTOR AND DOOR LOCK DETECTION SW REAR LH
2–GROUND : Approx. **12** volts with door lock motor at lock operate
1–GROUND : Approx. **12** volts with door lock motor at unlock operate

D15 DOOR LOCK MOTOR AND DOOR LOCK DETECTION SW REAR RH
4–GROUND : Approx. **12** volts with door lock motor at lock operate
3–GROUND : Approx. **12** volts with door lock motor at unlock operate

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A16	72 (LHD)	D18 A	76 (LHD)	J18	74 (LHD)
B5 A	72 (LHD)	D19 B	76 (LHD)	J19	74 (LHD)
B6 A	72 (LHD)	D20 C	76 (LHD)	J21	78 (LHD)
C12	72 (LHD)	E5	68 (LHD)	J22	78 (LHD)
D1	72 (LHD)	E8	68 (LHD)	L5	78 (LHD)
D3	76 (LHD)	F11 A	76 (LHD)	L6	78 (LHD)
D8	76 (LHD)	F12 B	76 (LHD)	M2	74 (LHD)
D9	76 (LHD)	F13 C	76 (LHD)	P11	78 (LHD)
D10	76 (LHD)	H20	72 (LHD)	P19	80 (LHD)
D11	76 (LHD)	J7	74 (LHD)	R8	74 (LHD)
D13	76 (LHD)	J8	74 (LHD)	R13	78 (LHD)
D14	76 (LHD)	J10	74 (LHD)	R14	78 (LHD)
D15	76 (LHD)	J13	74 (LHD)	T1	70 (LHD)
D16	76 (LHD)	J15	74 (LHD)	T5	74 (LHD)
D17	76 (LHD)	J16	74 (LHD)	W6	78 (LHD)

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
1	54 (LHD)	Engine Room No.1 R/B (Engine Compartment Right)
2	55 (LHD)	Engine Room No.2 R/B (Engine Compartment Left)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	58 (LHD)	Engine Room Main Wire and Driver Side J/B (Left Kick Panel)
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)
2E	60 (LHD)	Floor No.1 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)
IE2		
II2	100 (LHD)	Engine Room Main Wire and Cowl Wire (Near the Passenger Side R/B)
IJ1	100 (LHD)	Instrument Panel Wire and Cowl Wire (Left Side of the Blower Unit)
IJ2		
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)

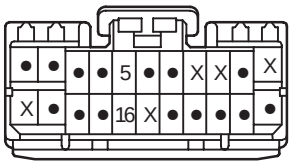
: GROUND POINTS

Code	See Page	Ground Points Location
EB	96 (LHD)	Left Fender
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
BL	102 (LHD)	Rear Floor Partition Panel RH
BM	102 (LHD)	Quarter Panel RH

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I6	100 (LHD)	Cowl Wire			

A16



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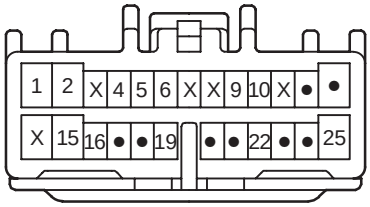

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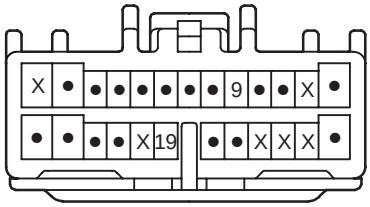

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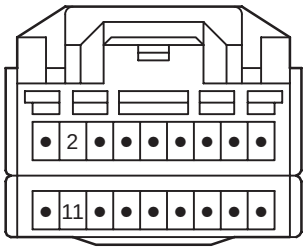

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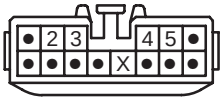

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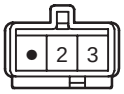
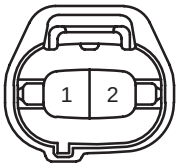


D8 GRAY



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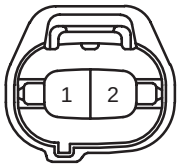
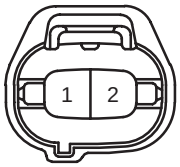


D10 GRAY



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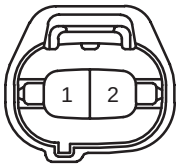

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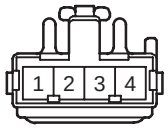
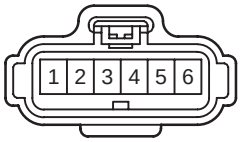


D14 BLACK

D15 BLACK

D16 BLACK



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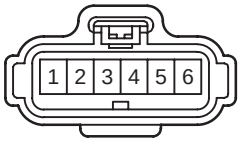
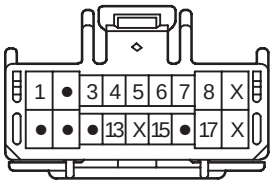
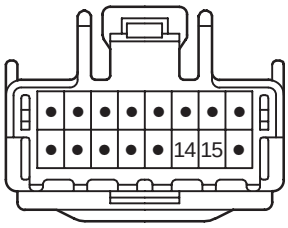


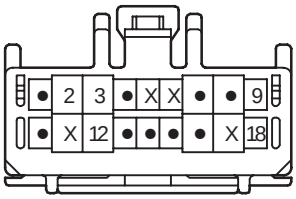
D18 (A) GRAY



D19 (B) GRAY



D20 (C) GRAY



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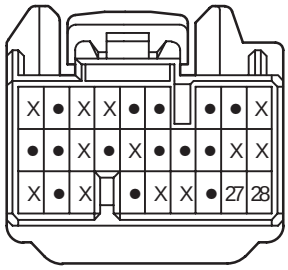
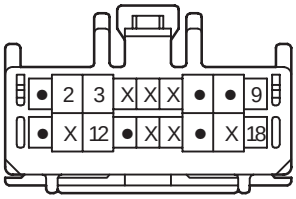
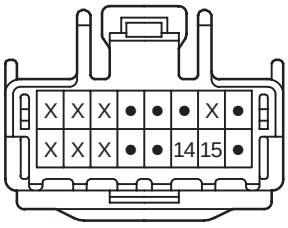


E8 BLACK

F11 (A) GRAY



F12 (B) GRAY



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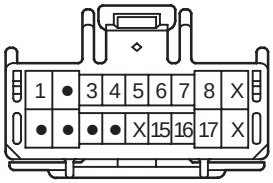

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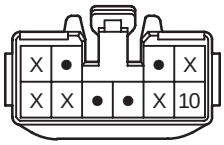
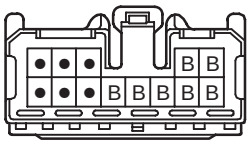
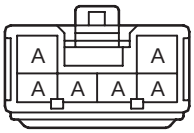


J7 GRAY



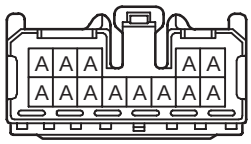
(Hint : See Page 7, 23, 39)

J8



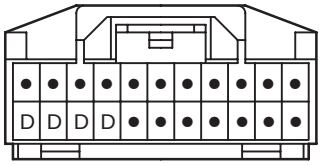
(Hint : See Page 7, 23, 39)

J10 ORANGE



(Hint : See Page 7, 23, 39)

J13



(Hint : See Page 7, 23, 39)

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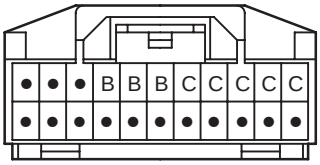
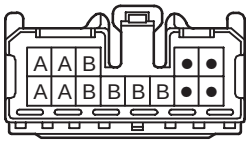


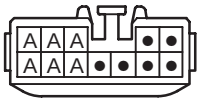
(Hint : See Page 7, 23, 39)

J16



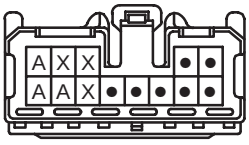
(Hint : See Page 7, 23, 39)

J18



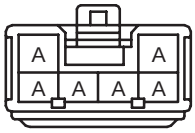
(Hint : See Page 7, 23, 39)

J19 BLUE



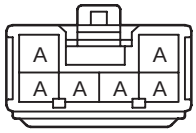
(Hint : See Page 7, 23, 39)

J21



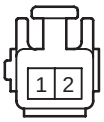
(Hint : See Page 7, 23, 39)

J22

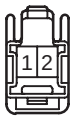


(Hint : See Page 7, 23, 39)

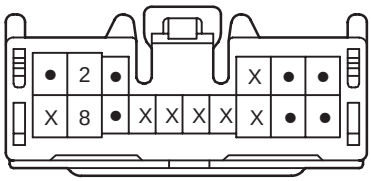
L5 BLACK



L6



M2 BLUE



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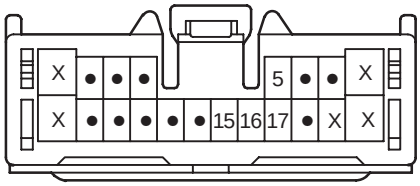
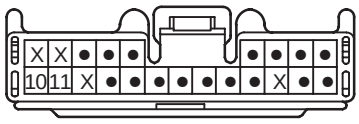


P19



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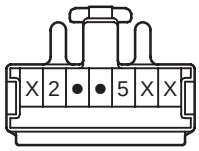
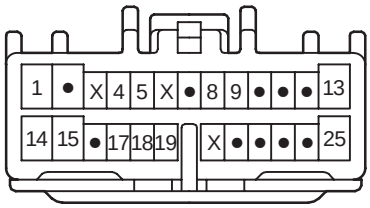


R13



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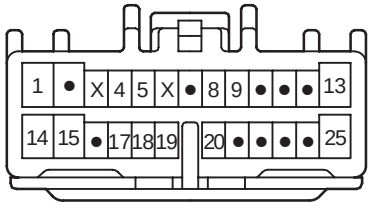
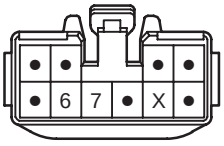


T1 BLACK

T5 GRAY



W6