DOOR LOCK CONTROL (LHD)

SYSTEM OUTLINE

1. MANUAL UNLOCK OPERATION

When the door lock control SW on the center console is pressed to the UNLOCK, the signal is input to TERMINAL UL1 of the body ECU. The current flows from TERMINAL ACT– of the body ECU into the door lock motor to TERMINAL ACT+ of the body ECU to GROUND, to unlock the door.

2. MANUAL LOCK OPERATION

When the door lock control SW on the center console is pressed to LOCK, signal is input to TERMINAL L1 of the body ECU. The current flows from TERMINAL ACT+ of the body ECU to door lock motor to TERMINAL ACT– of the body ECU to GROUND, to lock the door.

3. DOOR KEY UNLOCK OPERATION

Unlock operation from driver door

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 UL2 of the body ECU. The current flows from TERMINAL ACT– of the body ECU into the door lock motor front LH to TERMINAL ACT+ of the body 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 passenger side, the signal from the door key lock and unlock SW in the door lock motor front RH is input to TERMINAL UL2 of the body ECU. The current flows from TERMINAL ACT– of the body ECU into the door lock motor front RH to TERMINAL ACT+ of the body 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

D3, D4 DOOR COURTESY SW LH, RH

1–GROUND : Closed with door open

P4 DOOR LOCK CONTROL SW [POWER WINDOW MASTER SW]

5–17 : Closed with **LOCK** position
6–17 : Closed with **UNLOCK** position

D5 DOOR LOCK MOTOR, DOOR LOCK DETECTION SW AND DOOR KEY LOCK AND UNLOCK LOCK SW 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

D6 DOOR LOCK MOTOR, DOOR LOCK DETECTION SW AND DOOR KEY LOCK AND UNLOCK LOCK SW 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

○ **: PARTS LOCATION**

Code		See Page	Code		See Page	Code	See Page
B6	A	90 (LHD)	D5		92 (LHD)	J11	91 (LHD)
B7	B	90 (LHD)	D6		92 (LHD)	J12	92 (LHD)
B10		92 (LHD)	E3	A	88 (LHD 1ZZ–FE)	J13	92 (LHD)
C11	A	90 (LHD)	E4	B	88 (LHD 1ZZ–FE)	P4	91 (LHD)
C12	B	90 (LHD)	J3		91 (LHD)	U1	91 (LHD)
D3		92 (LHD)	J6		91 (LHD)		
D4		92 (LHD)	J8		91 (LHD)		

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IF	81	Instrument Panel Wire and Instrument Panel J/B (Instrument Panel Brace RH)
II		
IL		
IO	81	Floor Wire and Instrument Panel J/B (Instrument Panel Brace RH)

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	104 (LHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IA2		
IE4	104 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Instrument Panel Brace LH)
IE5		
IH1	106 (LHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IH2		
BA1	108 (LHD)	Back Door No.1 Wire and Floor Wire (Quarter Panel LH)
BB1	108 (LHD)	Back Door No.2 Wire and Back Door No.1 Wire (Back Door Upper Left)

: GROUND POINTS

Code	See Page	Ground Points Location
IE	104 (LHD)	Cowl Side Panel LH
IF	104 (LHD)	Instrument Panel Brace RH
IH	104 (LHD)	Cowl Side Panel RH