WIRELESS DOOR LOCK CONTROL (LHD w/o SMART KEY SYSTEM)

SYSTEM OUTLINE

In this system, the door lock control receiver receives weak radio wave transmitted from the transmitter built−into the ignition key and outputs the signal to the theft deterrent ECU. Through communication control of the theft deterrent ECU and door ECU etc. , all the doors and the luggage door can be locked and unlocked by the remote control.

1. NORMAL OPERATION

* Lock operation
  When the lock SW on the transmitter is pressed, all the doors are locked.
* Unlock operation (G.C.C.)
  When the unlock SW on the transmitter is pressed once, only the driver door is unlocked. When the unlock SW is pressed again within 3 sec., all the doors are unlocked.
* Unlock operation (Europe)
  When the unlock SW on the transmitter is pressed, all the doors are unlocked.
* Luggage door unlock operation
  When the luggage door unlock SW is kept pressed for approximately 1.0 sec. or longer, the luggage door is opened.

2. AUTO LOCK FUNCTION

If the door is not actually opened within 30 sec. after the door has been unlocked by pressing the unlock SW on the transmitter, all the doors are automatically locked. If any of the following conditions is detected, the auto lock does not function.
Any door is opened.
The ignition key is inserted into the ignition SW.
When the lock detection SW of all the doors are locked.

3. WIRELESS DOOR LOCK STOP FUNCTION

If any of the following conditions is detected, the wireless door lock does not function.

* Lock operation
  Any door is open (The door courtesy SW is on).
  The ignition key is inserted into the ignition key cylinder (The unlock warning SW is on).
  The ignition SW is turned to the ON position.
* Unlock operation
  The ignition SW is turned to ON position.
* Luggage door unlock operation
  The ignition SW is turned to ON position.

4. ANSER BACK FUNCTION

* When the doors are locked by wireless operation, the buzzer sounds once and the hazard lights blink once. (G.C.C.)
* When the doors are locked by wireless operation, the hazard lights blink once. (Europe)
* When the doors are unlocked by wireless operation, the buzzer sounds twice and hazard lights blink twice. (G.C.C.)
* When the doors are unlocked by wireless operaiton, the hazard lights blink twice. (Europe)
* When the luggage door is unlocked by wireless operation, the buzzer sounds once. (G.C.C.)
* When the doors are locked by wireless operation with each door open (Courtesy SW ON), the buzzer sounds. If all the doors are closed, doors are unlocked by wireless operation or buzzer keeps sounding for 10 seconds, the buzzer sounding stops.

5. ILLUMINATED ENTRY FUNCTION

If the doors are unlocked when all the doors are locked, the room light is turned on.

6. REPEAT FUNCTION

If the lock detection signal in response to the output signal is not received after theft deterrent ECU has output the lock signal, the lock signal is output again after approximately 1 sec.

SERVICE HINTS

D25 (B) DRIVER DOOR ECU

(B) 5–GROUND : Approx. **12** volts with ignition SW at **ON** or **ST** position
(B) 4, (B) 6–GROUND : Always approx. **12** volts
(B) 1–GROUND : Always continuity

F17 (B) FRONT PASSENGER DOOR ECU

(B) 5–GROUND : Approx. **12** volts with ignition SW at **ON** or **ST** position
(B) 4, (B) 6–GROUND : Always approx. **12** volts
(B) 1–GROUND : Always continuity

R15 REAR DOOR LH ECU

26–GROUND : Approx. **12** volts with ignition SW at **ON** or **ST** position
1, 2–GROUND : Always approx. **12** volts
6–GROUND : Always continuity

R16 REAR DOOR RH ECU

26–GROUND : Approx. **12** volts with ignition SW at **ON** or **ST** position
1, 2–GROUND : Always approx. **12** volts
6, 15–GROUND : Always continuity

T5 THEFT DETERRENT ECU

24–GROUND : Approx. **12** volts with ignition SW at **ON** or **ST** position
31–GROUND : Approx. **12** volts with ignition SW at **ON** or **ACC** position
1, 21–GROUND : Always approx. **12** volts
20–GROUND : Always continuity

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
D12	120 (LHD)	I19	121 (LHD)	K1	114 (LHD)
D13	120 (LHD)	J11 A	117 (LHD)	K4	118 (LHD)
D14	120 (LHD)	J12 B	117 (LHD)	P13	122 (LHD)
D15	120 (LHD)	J13 A	117 (LHD)	R15	122 (LHD)
D18	120 (LHD)	J14 B	117 (LHD)	R16	122 (LHD)
D24 A	120 (LHD)	J15 A	117 (LHD)	T5	119 (LHD)
D25 B	120 (LHD)	J16 B	117 (LHD)	T9	119 (LHD)
F16 A	120 (LHD)	J22	121 (LHD)	U7	119 (LHD)
F17 B	120 (LHD)	J27	121 (LHD)		
G1	117 (LHD)	J30	121 (LHD)		

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
DE	87 (LHD)	Instrument Panel Wire and Driver Side J/B (Left Kick Panel)
DF		
DI	89 (LHD)	Floor No.2 Wire and Driver Side J/B (Left Kick Panel)
LC	110	Floor No.2 Wire and Luggage Room J/B (Luggage Room Left)
PE	94 (LHD)	Instrument Panel Wire and Passenger Side J/B (Right Kick Panel)
PG		
PI	95 (LHD)	Floor Wire and Passenger Side J/B (Right Kick Panel)
PJ		

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: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	142 (LHD)	Front Door LH Wire and Floor No.2 Wire (Left Kick Panel)
IC1	142 (LHD)	Instrument Panel Wire and Floor No.2 Wire (Cowl Side Panel LH)
IH2	144 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Cowl Side Panel RH)
II1	144 (LHD)	Instrument Panel Wire and Roof Wire (Cowl Side Panel RH)
II2		
IJ1	144 (LHD)	Front Door RH Wire and Floor Wire (Right Kick Panel)
BA1	146 (LHD)	Rear Door No.2 Wire and Floor No.2 Wire (Left Center Pillar)
BA2		
BB1	146 (LHD)	Rear Door No.1 Wire and Floor Wire (Right Center Pillar)
BB2		
BC1	146 (LHD)	Floor No.2 Wire and Floor Wire (Rear Floor Partition Panel LH)

: GROUND POINTS

Code	See Page	Ground Points Location
IH	142 (LHD)	Right Side of Shift Lever
II		
BL	146 (LHD)	Rear Floor Partition Panel LH
BN	146 (LHD)	Rear Floor Partition Panel RH
BO	146 (LHD)	Quarter Panel RH

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I6	144 (LHD)	Instrument Panel Wire			