# **Wireless Door Lock Control (RHD)**

#### **System Outline**

Door lock control (Lock and unlock) and panic control (Theft alarm and flash) is performed by remote control, without the ignition key inserted in the door key cylinder, using low–power electrical waves emitted by a transmitter.

### 1. Wireless Door Lock or Unlock Normal Operation

With the ignition key not inserted into the ignition key cylinder (Unlock warning SW off) and all the doors completely closed, when the lock or unlock button (Transmitter) is pushed, the door lock control receiver receives the electrical waves from the transmitter, and sends a signal to the body ECU, causing it to operate.

As a result, the body ECU judges whether the door is locked or unlocked based on the signal from the door lock motor and door unlock detection SW, and sends a signal to switch the condition from lock to unlock or vice versa, causing the door lock motor to operate.

#### 2. Visual Confirmation of Lock or Unlock

If all doors indicate that they are locked after the lock command, turn signal light will flash once. If any door indicates that it is open after the unlock command, turn signal light will flash twice.

#### 3. Illuminated Entry Function

When the body ECU detects the unlock state after the unlock operation has been made, it turns on the lights, such as the ignition key cylinder light and interior light for approx. 15 sec. If all the doors are locked during this operation, lighting is cancelled and the lights immediately fade out.

#### 4. Automatic Lock Operation

With the ignition key not inserted into the ignition key cylinder (Unlock warning SW off) and all the doors completely closed, after pushing the button (Transmitter) to unlock all the doors, if a door is not opened within 30 seconds, all the doors will be automatically relocked.

### 5. Wireless Control Stop Function

If a door is open (Door courtesy SW on), a signal is input from the door courtesy SW to the body ECU stopping wireless door lock or unlock.

If the ignition key is in the ignition key cylinder (Unlock warning SW on), the unlock warning SW inputs a signal to the body ECU stopping wireless door lock or unlock.

### 6. Repeat Function

If the door lock or unlock condition does not change after wireless door lock or unlock operation, 2 seconds later, the body ECU sends current again to the door lock motor.

#### 7. Remote Panic Operation

Panic will function when doors are locked or unlocked, open or closed. When the panic button (Transmitter) is pushed once, theft alarm and horn sounds and turn signal light headlights and taillight flash. Then, the panic or the unlock button (Transmitter) is pushed once more, sounding and flashing will stop. Panic will not function when ignition key is in ignition key cylinder.

#### **Service Hints**

#### D6, D7, D8, D9 Door Courtesy SW Front LH, RH, Rear LH, RH

1-Ground: Continuity with the door open

#### **U1 Unlock Warning SW**

2-1: Continuity with the ignition key in the cylinder

#### **D5 Door Control Receiver**

5-Ground : Always approx. 12 volts 1-Ground : Always continuity

#### : Parts Location

Co	ode	See Page	Co	de	See Page	Code		See Page
B5	Α	50 (RHD)	D	9	52 (RHD)	J6	В	51 (RHD)
B6	В	50 (RHD)	D	10	52 (RHD)	J11		52 (RHD)
B7	С	50 (RHD)	D′	11	52 (RHD)	J13		51 (RHD)
	)5	52 (RHD)	D′	13	52 (RHD)	L	4	53 (RHD)
D6 D7		52 (RHD)	HD) D14		52 (RHD)	T5		51 (RHD)
		52 (RHD) D15		52 (RHD)	U	1	51 (RHD)	
	8	52 (RHD)	J5	Α	51 (RHD)			

# : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)			
1B	25	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)			
2B	28	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)			
2C	20	Institution   And Mile and Driver Side 3/D (Lower Fillish Faller)			
2G	28	Engine Room Main Wire and Driver Side J/B (Lower Finish Panel)			
2H	28	Floor Wire and Driver Side J/B (Lower Finish Panel)			
2K	20				
2M		Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)			
2R	29				
2S					
3A	35 (RHD)	Instrument Panel Wire and Passenger Side J/B (Instrument Panel Brace LH)			
3B	33 (IXI ID)				

## : Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)			
IB1	72 (RHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)			
IB2	72 (KHD)	Litwire and institutional and wire (Lett Nick Faller)			
IC2 72 (RHD) Instrument Panel Wire and Floor Wire (Right Kick Panel)		Instrument Panel Wire and Floor Wire (Right Kick Panel)			
IC3	72 (RHD)	Instrument Panel Wire and Floor MWire (Right Kick Panel)			
IL2	74 (RHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)			
IM3	74 (RHD)	Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)			
IN1	74 (RHD)	Front Door RH Wire and Floor Wire (Right Kick Panel)			
BA1	76 (RHD)	Rear Door LH Wire and Floor No.2 Wire (Left Center Pillar)			
BB1	76 (RHD)	Rear Door RH Wire and Floor Wire (Right Center Pillar)			

## : Ground Points

Code	See Page	Ground Points Location
IK	72 (RHD)	Instrument Panel Brace LH
IN	72 (RHD)	Instrument Panel Reinforcement RH
ВО	76 (RHD)	Under the Front Passenger's Seat
BP	76 (RHD)	Under the Driver's Seat
BQ	76 (RHD)	Front Side of Rear Quarter Wheel House LH
BR	76 (RHD)	Front Side of Rear Quarter Wheel House RH

# : Splice Points

	Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
ſ	В3	76 (RHD)	Front Door RH Wire	B16	76 (RHD)	Floor Wire