#### **SYSTEM OUTLINE**

In this system, the wireless door lock ECU receives weak radio wave transmitted from the transmitter built–into the ignition key and outputs the signal to the body ECU No.2. Through communication control of the body 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 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 the **ON** position.

\* Luggage door unlock operation

The ignition SW is turned to the **ON** position.

## 4. BUZZER SOUND FUNCTION (G.C.C.)

When the body ECU No.1 received the door lock signal from the door ECU via the door lock motor, during lock operation, the wireless door lock buzzer goes on once (for approximately **0.1** sec.).

When the body ECU No.1 receives the door unlock signal from the door ECU via the door lock motor, during unlock operation, the wireless door lock buzzer goes on twice (for approximately **0.2** sec. at intervals of **0.1** sec.).

When the luggage door is unlocked, and the body ECU No.1 outputs the unlock signal, the wireless door lock buzzer goes on once (for approximately **0.5** sec.).

When the ECU receives the lock signal from the transmitter while any door is open, the wireless door lock buzzer sounds for approximately **10** sec. If the door is closed or if the unlock signal is received from the transmitter while the buzzer is sounding, the buzzer stops.

#### 5. CAR FINDER FUNCTION (G.C.C.)

When the lock SW on the transmitter is pressed with all the doors locked, the body ECU No.1 receives the signal and the hazard light flashes once through communication control of the body ECU and door ECU etc.

#### 6. ILLUMINATED ENTRY FUNCTION

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

#### 7. PANIC MODE FUNCTION (G.C.C.)

When the lock SW on the transmitter is kept pressed for approximately **2.5** sec. , the body ECU No.1 receives the signal and enters the panic mode. The theft alarm goes on upon receiving the signal, the body ECU No.1, and the headlights and taillights flash through the communication of the body ECU and door ECU etc. . At this time, when any SW on the transmitter is pressed, the panic mode is cancelled, the theft alarm is stopped, and the headlights and taillights go off.

## 8. REPEAT FUNCTION

If the lock detection signal in response to the output signal is not received after the body ECU No.1 has output the lock signal, the lock signal is output again after approximately 2 sec.

#### **SERVICE HINTS**

#### **W6 WIRELESS DOOR LOCK ECU**

1–GROUND : Always continuity 7–GROUND : Always approx. **12** volts

#### L5 LUGGAGE COMPARTMENT DOOR OPENER MOTOR

1-GROUND : Approx. 12 volts with luggage door open operate

#### 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 key1–4 : 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

| Co             | de | See Page | Co  | de | See Page | Code | See Page |
|----------------|----|----------|-----|----|----------|------|----------|
| A <sup>2</sup> | 16 | 72 (LHD) | D18 | Α  | 76 (LHD) | J18  | 74 (LHD) |
| B5             | Α  | 72 (LHD) | D19 | В  | 76 (LHD) | J22  | 78 (LHD) |
| В6             | Α  | 72 (LHD) | D20 | С  | 76 (LHD) | L5   | 78 (LHD) |
| C.             | 12 | 72 (LHD) | E5  |    | 68 (LHD) | M2   | 74 (LHD) |
| D              | 8  | 76 (LHD) | F11 | Α  | 76 (LHD) | P11  | 78 (LHD) |
| D              | 9  | 76 (LHD) | F12 | В  | 76 (LHD) | P19  | 80 (LHD) |
| D,             | 10 | 76 (LHD) | F13 | С  | 76 (LHD) | R13  | 78 (LHD) |
| D.             | 11 | 76 (LHD) | H20 |    | 72 (LHD) | R14  | 78 (LHD) |
| D,             | 13 | 76 (LHD) | J7  |    | 74 (LHD) | T5   | 74 (LHD) |
| D,             | 14 | 76 (LHD) | J8  |    | 74 (LHD) | W5   | 70 (LHD) |
| D,             | 15 | 76 (LHD) | J10 |    | 74 (LHD) | W6   | 78 (LHD) |
| D,             | 16 | 76 (LHD) | J13 |    | 74 (LHD) |      |          |
| D17            |    | 76 (LHD) | J16 |    | 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)     |   |  |  |
| 1G   | - 59 (LHD)   | Cowl Wire and Driver Side J/B (Left Kick Panel)                 |  |  |
| 1H   | 1 39 (LI ID) |   |  |  |
| 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)     |   |  |  |
| 2G   | 61 (LHD)     | Cowl Wire and Passenger Side J/B (Right Kick Panel)             |  |  |
| 2H   | 01 (L110)    |   |  |  |

# : 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  |            |  |  |  |  |
| IC2  | 98 (LHD)   | Floor No.2 Wire and Cowl Wire (Left Kick Panel)                        |  |  |  |
| 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)     |  |  |  |
| IJ2  | 100 (LITD) | institution to a file cowi wife (Left Side of the blower offile)       |  |  |  |
| 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  | 100 (LITD) | Thou it will and oow will (right flort and)                            |  |  |  |
| 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 |
| BL   | 102 (LHD) | Rear Floor Partition Panel RH |
| BM   | 102 (LHD) | Quarter Panel RH              |

# ) : SPLICE POINTS

| Code | See Page  | See Page Wire Harness with Splice Points |  | See Page | Wire Harness with Splice Points |
|------|-----------|--|--|----------|---------------------------------|
| 16   | 100 (LHD) | Cowl Wire                                |  |          |                                 |

# WIRELESS DOOR LOCK CONTROL (LHD)



