

## ON-VEHICLE INSPECTION

### 1. CHECK WIRELESS DOOR LOCK CONTROL FUNCTIONS

#### HINT:

The switch described in this text is a switch for transmitting signals (LOCK switch, UNLOCK switch, BACK WINDOW switch and PANIC switch), which is built in the door control transmitter.

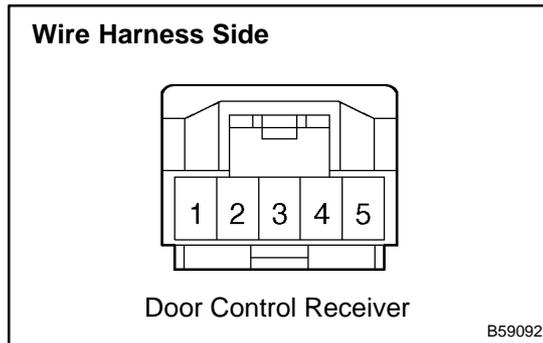
- (a) Put the vehicle under the conditions that allow the wireless control function to be operated (See PRECAUTION on page 73-10).
- (b) Check the basic function.
  - (1) In the remote control operational area, check that all the doors lock when the LOCK switch is pressed (However, this will not happen when the key is in the ignition key cylinder or any of the doors is open).
  - (2) In the remote control operational area, check that only the driver side door unlocks when the UNLOCK switch is pressed once, and the other doors unlock when the UNLOCK switch is pressed again within 3 seconds (However, this will not happen when the ignition switch is turned ON).
  - (3) In the remote control operational area, check that the back window opens when the BACK WINDOW switch has been pressed for 0.8 second (However, this will not happen when the ignition switch is turned ON).

#### HINT:

The UNLOCK and BACK WINDOW functions operate even when any of the doors is open.

- (c) Check the chattering prevention function.
  - (1) Check that the corresponding operation occurs only once, and not repeated continuously while the switch is kept pressed. However, when the switch is operated repeatedly at 1 second intervals, check that the corresponding operation is carried out.
- (d) Check the automatic locking function.
  - (1) Check that all the doors lock automatically as long as none of the doors have been opened or all the doors have not been locked within approximately 30 seconds after all the doors are unlocked by pressing the switch.
  - (2) Check that the automatic locking function does not operate when any of the doors has been opened or all the doors have been locked within approximately 30 seconds after all the doors are unlocked by pressing the switch.
- (e) Check the switch operation fail-safe function.
  - (1) Check that the doors can not be locked by the switch while the key is in the ignition key cylinder. However, this does not apply when the system is in the recognition code registration mode.
- (f) Check the operation stop function when a door is open or not completely closed.
  - (1) Check that the doors are not locked by the switch while any of the doors is open or not completely closed, and the buzzer sounds for 10 seconds.
- (g) Check the repeat function.
  - (1) Check that all the doors attempt to automatically lock once again, 1 second after the LOCK switch has been pressed while the movement of the driver side door control knob, which is in the unlocked state, is being restricted.
- (h) Check the hazard warning lamps flashing and wireless door lock buzzer sounding function (answer-back).
  - (1) When the LOCK switch is pressed, check that the hazard warning lamps flash once and the buzzer sounds once, simultaneously with locking operation of all the doors.
  - (2) When the UNLOCK switch is pressed once, check that the hazard warning lamps flash twice, the buzzer sounds twice, simultaneously with unlocking operation of the driver side door.
  - (3) When the UNLOCK switch is pressed again within 3 seconds, check that the hazard warning lamps flash twice, the buzzer sounds twice, simultaneously with the unlocking operation of all the doors.

- (4) When the BACK WINDOW switch is pressed for 0.8 second, check that the buzzer sounds once, simultaneously with the opening operation of the back window.
- (i) Check the remote panic function.
- (1) Check that the horn sounds, the headlights and taillights flash and the interior light remains on for 60 seconds by the theft alarm function, when the PANIC switch is pressed. Also, check that the horn sounding and lamps flashing stop when either of the PANIC, LOCK, UNLOCK or BACK WINDOW switch is pressed (However, this will not happen when the ignition switch is turned ON).



## 2. CHECK DOOR CONTROL RECEIVER

- (a) Disconnect the receiver connector.
- (b) Check the voltage or continuity between the receiver wire harness side connector and body ground.

### Standard:

Symbols (Terminal No.)	Condition	Specified Condition
+B (5) - Body ground	Constant	10 - 14 V
E (1) - Body ground	Constant	Continuity

If the result is not as specified, there may be a malfunction on the wire harness side.

- (c) Reconnect the connector and check the voltage between the terminal and the body ground.

### Standard:

Symbols (Terminal No.)	Condition	Specified Condition
RDA (2) - Body ground	Ignition switch OFF, No key in ignition key cylinder, All doors closed, Each transmitter switch OFF → ON	Below 1 V → Approx. 6 - 7 V → Below 1 V

If the result is not as specified, the receiver may malfunction.