

## ON-VEHICLE INSPECTION

### 1. INSPECT WIRELESS DOOR LOCK CONTROL FUNCTIONS

#### HINT:

The switch described in this text is a switch for transmission (LOCK switch, UNLOCK switch, HATCH switch and PANIC switch), which is built in the door control transmitter.

- (a) Allow the vehicle to be in the initial condition (condition of wireless control is possible).
  - (1) The followings are the vehicle's initial condition.
    - No key in the ignition key cylinder
    - All the doors closed (door open indicator off)
    - All the doors locked
- (b) Check the basic function.
  - (1) In the remote control operational area, check that all the doors will lock when pressing the LOCK switch. (It is, however, not the case that the key is in the ignition key cylinder or any of the doors is open).
  - (2) Check that the driver's door will unlock when pressing the UNLOCK switch and pressing that switch once again within 3 seconds from the first press will unlock all the other doors. (It is, however, not the case that the key is in the ignition key cylinder).

#### HINT:

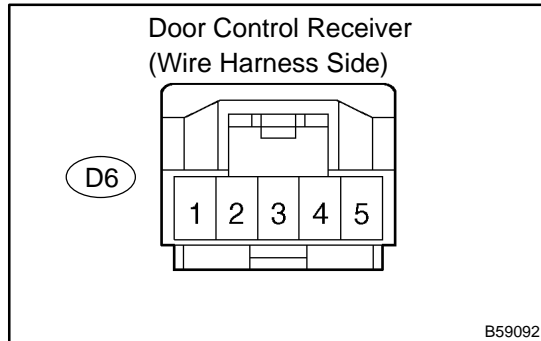
The UNLOCK operation is possible even when any of the doors is open.

- (c) Check the chattering prevention function.
  - (1) Check that the corresponding operation will be performed only once but not repeat continuously when the switch has been kept pressing. However, if the operations are carried out by approximately 1 second interval, from the time to release the switch until the time to press it again, check that a corresponding operation to the next press of the switch will be carried out.
- (d) Check the automatic locking function.
  - (1) Check that all the doors will automatically lock as long as any of the doors has not 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) Under the above condition, the automatic locking function will not work if any of the doors has been opened or all the doors have been locked within approximately 30 seconds.
- (e) Check the switch operation fail-safe function.
  - (1) Check that the doors are not locked or unlocked by pressing the switch while the ignition key is in the ignition key cylinder. However, the time of the recognition code registration mode is excepted.
- (f) Check the repeat function.
  - (1) Check that all the doors will automatically lock once again in 1 second after the LOCK switch has been pressed while the move of the driver's door control knob, which is in unlocking state, is being blocked forcibly.
- (g) Check the operation stop function when a door is open or not completely close.
  - (1) Check that the doors are not locked by pressing the switch while any of the doors is open or not completely close. However, the glass hatch open operation is possible in this situation.
- (h) Check the hazard flashing function (answer back).
  - (1) Check that the hazard lights will flash once (when locked) or twice (when unlocked) simultaneously with all the doors' locking or unlocking operation, when the switch is pressed.
- (i) Check the glass hatch open function.
  - (1) Check that the glass hatch will open when the HATCH switch has been pressed for 0.8 seconds. (It is, however, not the case that the key is in the ignition key cylinder).

#### HINT:

The open operation is possible even when any of the doors is open.

- (j) Check the remote panic function.
- (1) Check that the theft alarm will sound and headlights and taillights will flash when the PANIC switch is pressed, and that sounding and flashing will stop when the PANIC or UNLOCK switch is pressed once again. (It is, however, not the case that the key is in the ignition key cylinder).



## 2. CHECK DOOR CONTROL RECEIVER

- (a) Disconnect the connector from the door control receiver.
- (b) Check the continuity and voltage between the terminals of the door control receiver connector and the body ground, as shown in the illustration and table.

### Standard:

Symbols (Terminal No.)	Condition	Specified condition
GND (D6-1) – Body ground	Constant	Continuity
+B (D6-5) – Body ground	Constant	10 – 14 V

If the result is not as specified, the vehicle's side may be defective.

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

### Standard:

Symbols (Terminal No.)	Condition	Specified condition
RDA (D6-2) – Body ground	All door closed → Door control transmitter ON	1 V or less → 6 V → 1 V or less

If the result is not as specified, the vehicle's side may be defective.