

WIRELESS DOOR LOCK CONTROL SYSTEM

ON-VEHICLE INSPECTION

73085-02

1. CHECK WIRELESS DOOR LOCK CONTROL FUNCTION

HINT:

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

- (a) Vehicle initial condition (conditions that allow the wireless control function to be operated)
 - No key in the ignition key cylinder
 - All doors closed (door open indicator off)
 - All doors locked
- (b) Check the basic function.
 - (1) Check whether the LED lights up 3 times when each switch is pressed 3 times.

HINT:

In case that the LED does not light up when the switch has been pressed 3 times or more, it may have a dead battery.

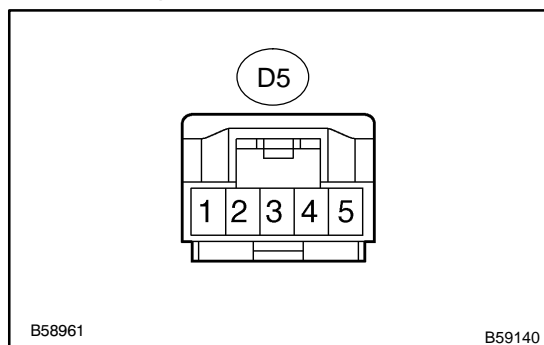
- (2) In the remote control operational area, check that all the doors lock or unlock when the switch has been pressed for approximately 1 second. However, this will not happen when the key is in the ignition key cylinder or any of the doors is open.

HINT:

The UNLOCK function operates even when any of the doors is open.

- (3) Check that the luggage compartment door opens when the trunk switch has been pressed for 1 second (this function operates even when a door is open).
- (c) Check the automatic locking function.
 - (1) Check that all doors lock automatically as long as none of the doors have been opened or all doors have not been locked within approximately 30 seconds after all doors are unlocked by pressing the switch.
 - (2) Under the above condition, check that the automatic locking function does not operate when any of the doors has been opened or all doors have been locked within approximately 30 seconds after all doors are unlocked by pressing the switch.
- (d) Check the switch operation fail-safe function.
 - (1) Check that doors can not be locked or unlocked 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.
- (e) 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 one second intervals, check that the corresponding operation is carried out.
- (f) Check the repeat function.
 - (1) Check that all 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.
- (g) Check the operation stop function when a door is open or not completely closed.
 - (1) Check that doors are not locked or unlocked by the switch while the doors are open or not completely closed.

- (h) Check the hazard flashing and buzzer sounding function (answer-back).
- (1) Check that the hazard lights flash and also the buzzer sounds once (when locked) or twice (when unlocked) simultaneously with locking or unlocking operation of all doors, when the switch is pressed.



2. CHECK WIRELESS CONTROL RECEIVER

- (a) Disconnect the D5 receiver connector, and check the voltage or continuity of each terminal of the wire harness side connector

Standard :

Symbols (Terminals No.)	Wiring color	Condition	Specification
GND (D5-1) ⇔ Body ground	W-B ⇔ -	Constant	Continuity
+B (D5-5) ⇔ Body ground	R ⇔ -	Constant	10 – 14 V

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

- (b) Using an oscilloscope, connect the receiver connector and check the voltage.

Standard :

Symbols (Terminal No.)	Wiring color	Condition	Specification
RDA (D5-2) ⇔ Body ground	L-W ⇔ -	All doors are closed → Door control transmitter ON	Below 1 V → 6 – 7 V → Below 1 V

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