WIRELESS DOOR LOCK CONTROL SYSTEM

7308C–01

ON–VEHICLE INSPECTION

1. CHECK WIRELESS DOOR LOCK CONTROL FUNCTION

HINT:

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

(a) Vehicle's initial condition (condition of wireless control possible)
- 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 be caused by the dead battery.

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

HINT:

The UNLOCK operation is possible 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 (the operation is possible even when a door is open).

(c) Check the automatic locking function.
(1) Check that all doors will automatically lock as long as any of the doors has not 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, the automatic locking function will not work if any of the doors has been opened or all doors have been locked within approximately 30 seconds.

(d) Check the switch operation fail–safe function.
(1) Check that doors are not locked or unlocked by the switch while the key is in the ignition key cylinder. However, the time of the discrimination code registration mode is excepted.

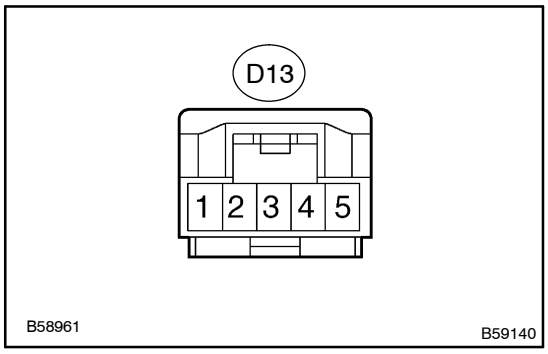
(e) Check the chattering prevention function.
(1) Check that the corresponding operation will be done only once but not repeat continuously when the switch has been kept pressing. However, if the operations are carried out by approximately 1 second interval, from the time to release the switch till the time to press it again, check that a corresponding operation to the switch that will be pressed next will be carried out.

(f) Check the repeat function.
(1) Check that the all 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 doors are not locked or unlocked by the switch while any of the doors is open or not completely close. However, tunk lock doors and to open the tunk are possible.

(h) Check the map lamp function.

(1) Set the map lamp switch in the position, and then check that the map lamp lights up simultaneously with unlocking operation.



2. CHECK WIRELESS CONTROL RECEIVER

(a) Disconnect the D13 receiver connector and check that the connector on the wire harness side.

(b) Check the voltage and continuity of each terminal of the wire harness side connector.

Standard :

Symbols (Terminal No.)	Wiring color	Condition	Specification
GND (D13–1) ⇔ Body ground	W–B	Constant	Continuity
+B (D13–5) ⇔ Body ground	R	Constant	10 – 14 V

HINT:

If the value is not as specified, the wire harness side may be defective.

(c) Using an oscilloscope connect the receiver connector and check the voltage.

Standard :

Symbols (Terminal No.)	Wiring color	Condition	Specification
RDA (D13–2) ⇔ Body ground	L–W	All door is closed → Door control transmitter ON	Below 1 V → 6 – 7 V → Below 1 V

HINT:

If the value is not as specified, the wire harness side may be defective.