730EV–01

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 and UNLOCK switch), which is built into the door control transmitter.

(a) Put the vehicle under the conditions that allow the wireless control function to be operated (See PRECAUTION on page 73–21).

(b) Check the basic function.

(1) Check whether the LED of the transmitter lights up 3 times when each switch is pressed 3 times.

HINT:

If 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 and the back door lock when the LOCK switch is pressed (However, this will not happen when any door is open).

(3) w/ Double locking system:
In the remote control operational area, check that the double locking system is set when the LOCK switch is pressed within 5 seconds after the above step (However, the double locking system is not applicable to the back door).

CAUTION:

Never activate the double locking system when there are people in the vehicle, because all the doors cannot be opened from inside the vehicle. If you lock the doors by accident, push UNLOCK switch of the door control transmitter.

(4) In the remote control operational area, check that all the doors and the back door unlock when the UNLOCK switch is pressed. Also, check that the double locking system is canceled at the same time.

HINT:

The UNLOCK functions operate even when a door is open.

(c) Check the chattering prevention function.

(1) Check that the corresponding operation occurs only once, and is not repeated continuously while the switch is held. 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 door 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 repeat function.

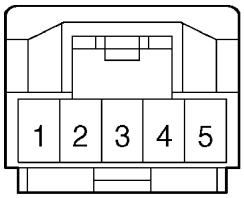
(1) Check that all the doors attempt to automatically lock once again, 1 second after the LOCK switch has been pressed while the movement of the driver side door control knob, which is in the unlocked state, is being restricted.

(g) Check the hazard warning lamps flashing function (answer–back).

(1) When the LOCK switch is pressed, check that the hazard warning lamps flash once, simultaneously with the locking operation of all the doors.

(2) When the UNLOCK switch is pressed once, check that the hazard warning lamps flash twice, simultaneously with the unlocking operation of all the doors.

Wire Harness Side



Door Control Receiver

B59092

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 and 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 have a malfunction.