730KT–01

ON–VEHICLE INSPECTION

1. INSPECT WIRELESS DOOR LOCK CONTROL FUNCTION

(a) Check the basic function.
  (1) Check that when the transmitter is in the remote control operation area and the LOCK or UNLOCK switch is pressed for approximately 1 second, all doors lock or unlock. However, the doors will not lock or unlock if a key is in the ignition key cylinder or if any of the doors are open.

(b) Check the automatic locking function.
  (1) Check that if all of the doors are unlocked with the UNLOCK switch and none of the doors are opened or locked within approximately 30 seconds, the doors automatically relock.
  (2) Check that if all of the doors are unlocked with the UNLOCK switch and a door is opened or locked within approximately 30 seconds, the automatic locking function does not operate.

(c) Check the switch operation fail–safe function.
  (1) Check that when the key is in the ignition cylinder, the switches cannot lock or unlock doors (unless the system is in the recognition code registration mode).
  (2) Check that an unregistered transmitter's switches cannot lock or unlock the doors.

(d) Check the chattering prevention function.
  (1) Check that pressing a switch will result in the switch's operation occurring only once; and when the switch is held down, the operation is not repeated continuously. Also, make sure that when the switch is pressed in approximately 1 second intervals, the switch's operation will occur each time.

(e) Check the repeat function.
  (1) Check that when the LOCK switch is pressed while the movement of the driver side door control knob (in the unlocked state) is restricted, the repeat function attempts to lock all of the doors again 2 seconds later.

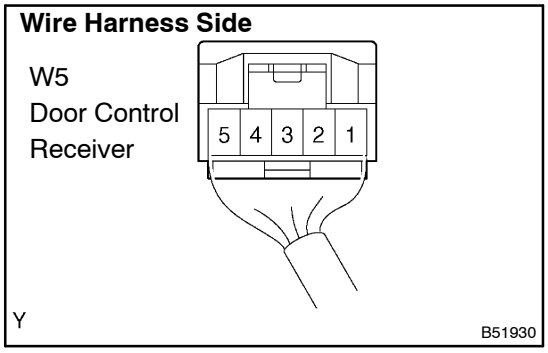
(f) Check the operation stop function when a door is open or not completely closed.
  (1) Check that when a door is open or not completely closed, the switches cannot lock or unlock the doors.

(g) Check the answer–back function.
  Check that when a switch is pressed: 1) the doors lock or unlock, and 2) the hazard lights flash and the buzzer sounds once (when locking) or twice (when unlocking).

(h) Check the room lamp ON function.

HINT:

Move the room lamp switch to the DOOR position.
  (1) Press the UNLOCK switch for 1 second. Check that the doors unlock and the room lamp illuminates.
  (2) After doors have been unlocked, do not open any doors and wait. Check that the room lamp turns off after approximately 15 seconds.



2. CHECK WIRELESS CONTROL RECEIVER

(a) Disconnect the W5 receiver connector.

(b) Measure the resistance and voltage of the wire harness side connector.

Standard:

Tester Connection	Specified Condition
W5–1 – Body ground	Below 1 Ω
W5–5 – Body ground	10 to 14 V

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

(c) Connect the W5 receiver connector.

(d) Check the voltage of the connector.

Standard:

Tester Connection	Condition	Specified Condition
W5–2 – Body ground	All doors are closed → Door control transmitter ON	0 V → 6 V → 0 V

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