

I01298

INSPECTION

1. INSPECT WIRELESS DOOR LOCK TRANSMITTER OPERATION

HINT:

This inspection is not directly for the purpose of checking the capacity of the transmitter battery, but it is performed when remote control operation becomes difficult or impossible, in order to ascertain if this is caused by low battery capacity.

- Using a screwdriver, remove the cover.
- Remove the battery (lithium battery).
- Connect 2 new 1.5 V dry-cell batteries in series. Connect the battery ⊕ terminal to the battery receptacle side terminal and the battery ⊖ terminal to the bottom terminal to provide 3 V to the transmitter.
- Push in the wireless door lock remote control switch on the side of the transmitter body and operate the door lock by remote control.
- Check remote control operation possible.

If operation is not as specified, replace the transmitter.

2. CHECK BATTERY CAPACITY

HINT:

On the lithium dry cell battery used for the transmitter, the voltage more than 2.5 V with the dry cell battery unloaded is shown on the tester until the energy is completely consumed.

Accordingly when inspecting the energy amount left in the dry cell battery, it is necessary to measure the voltage when the dry cell battery is loaded (1.2 kΩ).

The procedures for inspection of the energy amount left in the dry cell battery by using the loaded inside the transmitter with lead are shown below.

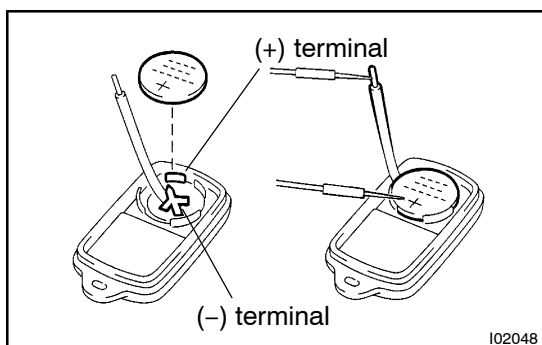
- Remove the cover using a ⊖ driver.
- Remove the dry cell battery (lithium dry cell battery) from the transmitter.
- Connect the lead to the (−) terminal of the transmitter and install the battery.
- Connect the (+) tester to the (+) dry cell battery (lithium dry cell battery), and (−) tester to the lead respectively.
- Press either of the transmitting switches on the transmitter for about 1 second.

HINT:

Repeat pressing it more than twice.

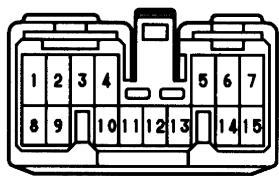
- Press the transmitting switch on the transmitter again to check the voltage.

Voltage: 2.1 V or more



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Wire harness side:



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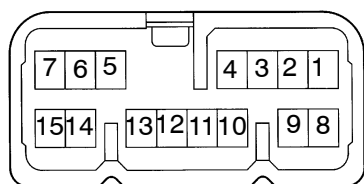
3. INSPECT WIRELESS DOOR LOCK CONTROL RECEIVER CIRCUIT

- (a) Disconnect the connector from the receiver and inspect the connector on the wire harness side, as shown below.

Tester connection	Condition	Specified condition
1 – Ground	Constant	Continuity
8 – Ground	Constant	Battery voltage
13 – Ground	Turn ignition switch ON	Battery voltage
	Turn ignition switch LOCK or ACC	No voltage

If the circuit is not as specified, inspect the circuit connected to other parts.

From back side:



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- (b) Connect the wire harness side connector to the receiver and inspect the wire harness side connector from the back side, as shown below.

Tester connection	Condition	Specified condition
7 – Ground	Door key lock and unlock switch "UNLOCK" (Driver's door)	Below 1.0 V
	Door key lock and unlock switch "OFF" or "LOCK" (Driver's door)	Battery voltage
10 – Ground	Key unlock warning switch "ON" (Insert the key plate into the ignition key cylinder.)	Below 1.0 V
	Key unlock warning switch "OFF" (Pull out the key plate from the ignition key cylinder.)	Battery voltage
11 – Ground	Door unlock detection switch "ON" (Driver's door)	Below 1.7 V
	Door unlock detection switch "OFF" (Driver's side)	Above 4.0 V
14 – Ground	Door courtesy switch "ON"	Below 1.7 V
	Door courtesy switch "OFF"	Above 4.0 V
15 – Ground	Door key lock and unlock switch "LOCK"	Below 1.0 V
	Door key lock and unlock switch "OFF" or "UN-LOCK"	Battery voltage

If circuit is as specified, replace the receiver.

If the circuit is not as specified, inspect the circuit connected to other parts.