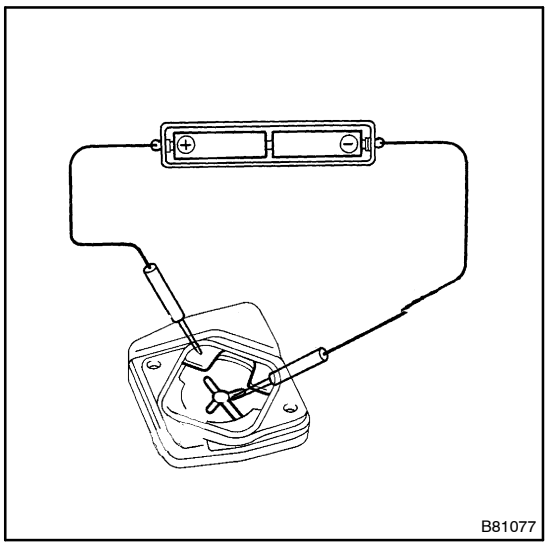
730KW–01

INSPECTION



1. INSPECT DOOR CONTROL TRANSMITTER SUB–ASSY

(a) Check the registration of recognition code (see page 73–11).

(b) Inspect operation of the transmitter.

(1) Remove the cover.

(2) Remove the battery (lithium battery).

(3) Install a new or normal battery (lithium battery).

HINT:

When a new or normal battery is not available, connect 2 new 1.5 V batteries in series, connect the battery positive (+) to the battery receptacle side terminal and battery negative (–) to the bottom terminal, and then apply 3 V to the transmitter.

(4) From outside the vehicle, approximately 1 m (3.28 ft) from the driver side outside door handle, test the transmitter by pointing the transmitter at the handle and pressing a transmitter switch.

Standard:

The remote control function of the vehicle door lock can be operated.

HINT:

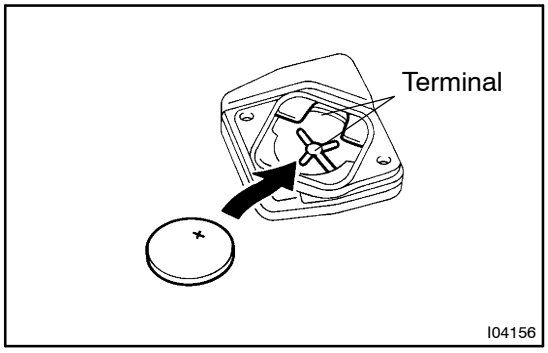
- The minimum operation distance differs depending on to the operator, the way the transmitter is held, and location.
- Because the transmitter uses faint electric waves, strong electric waves or noise in the frequency used may reduce the operational area or the remote control may not function.
- Install the battery (lithium battery).
- Install the cover.

(c) Check the battery capacity.

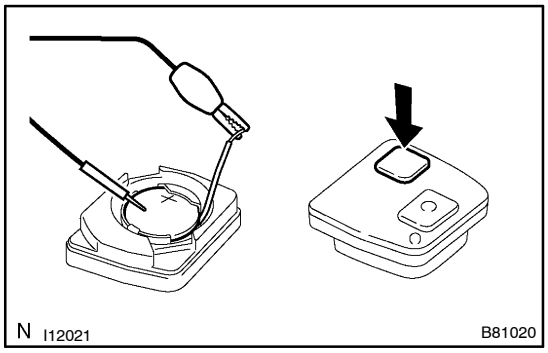
HINT:

- Make sure to use the TOYOTA electrical tester.
- If the transmitter is malfunctioning, the voltage reading of the energy left in the battery may be inaccurate.
- When checking the amount of energy left in the battery (lithium battery), the battery must be checked while it is installed in the transmitter (a resistance of 1.2 k Ω is applied to the battery). When the battery energy is checked by itself (uninstalled
), the voltage reading will be more than 2.5 V until the energy is depleted.

(1) Using a screwdriver, remove the screw and cover.



(2) Remove the battery (lithium battery) from the transmitter.
(3) Connect a wire to the negative (–) terminal of the transmitter and install the battery.



(4) Connect the tester's positive lead to the positive part of the battery (lithium battery). Then connect the tester's negative lead to the wire.
(5) Press one of the switches on the transmitter for approximately 1 second.
(6) Press the switch on the transmitter again and check the voltage.

Standard: 2.1 V or higher

HINT:

- If the voltage is less than 2.1 V, the temperature of the battery may be low. A low battery temperature will affect the inspection results. Place the battery in a place where the ambient temperature is 18° C (64° F) for more than 30 minutes. Then check the voltage again.
- Read the voltage immediately after the switch is pressed. When 20 seconds have passed after the switch is pressed, the automatic power–off function starts and resistance applied to the battery will cease. The voltage of the battery will be 2.5 V or more.
- Press the switch at least 3 times before reading the voltage. If the battery has just been returned to 18° C (64° F), the voltage may be unusually high for the first or second voltage reading.

(7) Disconnect the lead.
(8) Set the battery (lithium battery) in the transmitter.
(9) Install the cover, so that the O–ring is not distorted or slipped off.
(10) Tighten the screw.