

ONLY WIRELESS CONTROL FUNCTION IS INOPERATIVE**CIRCUIT DESCRIPTION**

The door control receiver receives a signal from transmitter and sends it to body ECU by line.

And the body ECU transmits the signal to the door lock assembly to control the door lock/unlock operation.

NOTICE:

The wireless door lock control system has a function with a large-scale multiplex communication system. First of all, inspect the communication function depending on the "HOW TO PROCEED WITH TROUBLESHOOTING", and check that the communication system has no malfunction. Then finally proceed with the troubleshooting. Also, in case that the wire harness between the body ECU and door control receiver has been short-circuited, diagnostic code 42 will be output and the wireless control will not function.

INSPECTION PROCEDURE**HINT:**

The initial condition that the customizing function by the hand-held tester is not chosen is shown.

1. VEHICLE'S INITIAL CONDITION (CONDITION OF WIRELESS CONTROL POSSIBLE)

- (a) No key in the ignition key cylinder.
- (b) All doors closed (door open indicator off).
- (c) All doors locked.

HINT:

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

1 CHECK TRANSMITTER BATTERY SIMPLY

- (a) Check that the LED of the transmitter lights up 3 times when the switch has been pressed 3 times.

HINT:

If the LED does not light up when the switch has been pressed 3 times or more, it may be caused by the dead battery. Replace the battery with a new or normal one, and then check that doors will be locked or unlocked by the standard operation.

NOTICE:

Standard operation means to press and hold the transmitter switch for 1 second, facing the transmitter to the vehicle, in 1 m (3.28 ft) away from the driver's door outside handle in the right direction.

NG**REPLACE TRANSMITTER (LITHIUM) BATTERY****OK****2 CONFIRM ROOM LAMP ON**

- (a) Check that the room lamp comes on.

HINT:

When the lamp does not come on, proceed with the self-diagnostic mode after repairing the room lamp.

3	ENTER INTO SELF-DIAGNOSTIC MODE
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- (a) Enter into the self-diagnostic mode by operating the ignition switch lock cylinder.
- (1) Insert the key into the ignition switch lock cylinder under the vehicle's initial condition, and then operate the ignition switch assembly OFF → ON → OFF once within 5 seconds after the key is pulled out.
 - (2) Within 30 seconds after the ignition switch assembly is turned OFF, operate the ignition switch assembly OFF → ON → OFF 9 times.

NOTICE:

The mode returns to the normal mode if even one of the above conditions has not been met.

HINT:

- The operation of the ignition switch assembly OFF → ON will finish the self-diagnostic mode.
 - Do not carry out the lock/unlock operations during the self-diagnostic mode.
- (b) Check that the system has entered into the self-diagnostic mode by blinks of the room lamp.

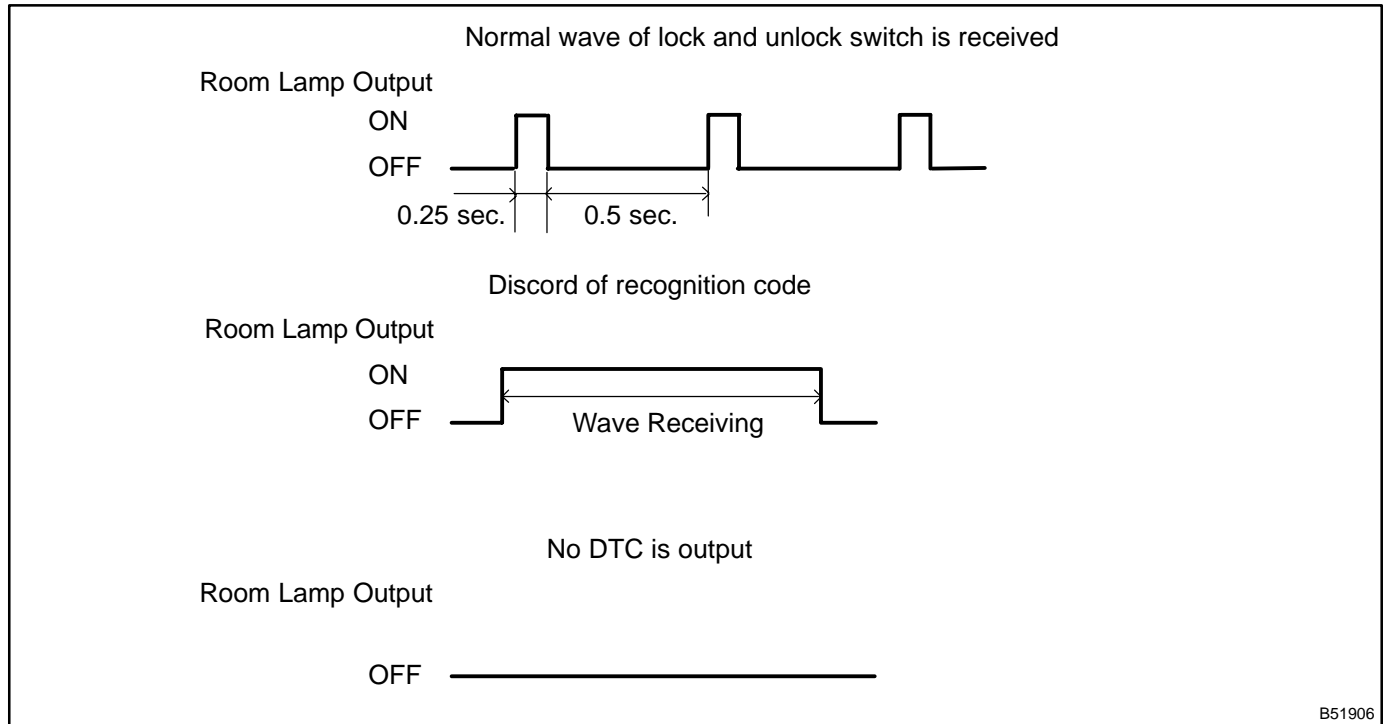
NG**Go to step 8****OK**

4 CHECK BY SELF-DIAGNOSTIC MODE

- (a) Check the output of the DTC when the door control transmitter switch has been kept pressed
(The DTC output can be checked by the output of the room lamp).

HINT:

- In case of a reception of the normal wave of the LOCK/UNLOCK switch (room lamp blinking) and no DTC outputs (room lamp off), go to step A.
- In case of discord of recognition code (room lamp on), go to step B.



B

Go to step 7

A

5 CHECK THE WAVE REACHING RANGE

- (a) Check that the diagnosis will be output when a new or normal door control transmitter switch for a same type vehicle, has been pressed.

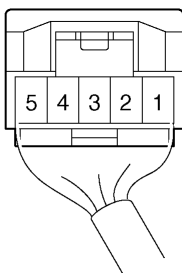
OK

**REPLACE TRANSMITTER SUB-ASSY MODULE
SET DOOR CONTROL**

NG

6 CHECK DOOR CONTROL RECEIVER**Wire Harness Side**Door Control
Receiver

W6



Y

B51930

- (a) Check the DOME fuse.
- (b) Disconnect the W6 receiver connector.
- (c) Check the voltage or continuity between the W6 receiver wire harness side connector and body ground.

Standard:

Terminal No.	Specified condition
5 - Body ground	10 - 14 V
1 - Body ground	Continuity

NG

REPAIR OR REPLACE FUSE OR WIRE HARNESS AND CONNECTOR

OK

REPLACE DOOR CONTROL RECEIVER**7 RE-REGISTER RECOGNITION CODE OF TRANSMITTER**

- (a) Check if it is possible to enter into the rewrite mode or the add mode for the recognition code registration, and if a recognition code can be registered, as well.

NG

REPLACE MULTIPLEX NETWORK BODY ECU

OK

NORMAL (FUNCTION)**8 CONFIRM INPUT METHOD OF SELF-DIAGNOSTIC MODE**

NG

Go to step 3

OK

9 INSPECT UN-LOCK WARNING SWITCH ASSY (See page 05-1957)

NG

REPLACE UN-LOCK WARNING SWITCH ASSY

OK

REPLACE MULTIPLEX NETWORK BODY ECU