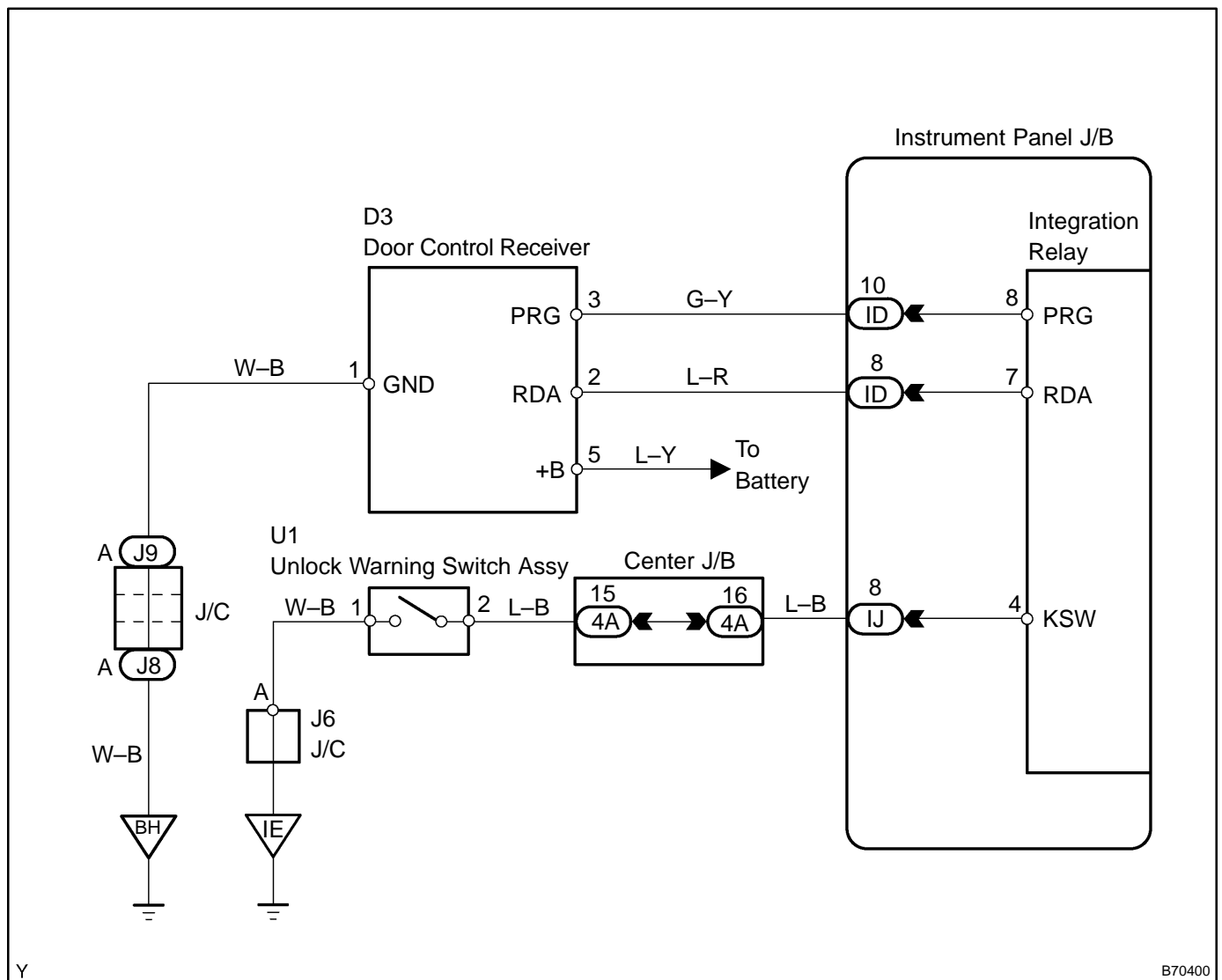


## ONLY WIRELESS CONTROL FUNCTION DOES NOT OPERATE (PREPARE NEW OR NORMAL TRANSMITTER OF THE SAME TYPE VEHICLE)

### CIRCUIT DESCRIPTION

The door control receiver receives a signal from the transmitter and sends this signal to the integration relay. Then, the integration relay controls door operation by sending a door LOCK/UNLOCK signal to each door lock motor.

### WIRING DIAGRAM



## INSPECTION PROCEDURE

### HINT:

The switch described in this text is a switch for transmitting signals which is built in the door control transmitter.

### 1 CHECK WIRELESS DOOR LOCK CONTROL FUNCTIONS (See page 73-8)

NG

Go to step 2

OK

NORMAL

### 2 REPLACE TRANSMITTER BATTERY WITH NORMAL ONE

- (a) After replacing the transmitter battery with a new or normal one, check that the doors can lock and unlock by using the transmitter LOCK/UNLOCK switch.

NG

Go to step 3

OK

REPLACE TRANSMITTER BATTERY

### 3 CHECK WIRELESS DOOR LOCK CONTROL FUNCTIONS

- (a) Check if UNLOCK-LOCK operates in standard operation.

#### NOTICE:

**Standardized test procedure:** Press the transmitter switch for 1 second, directing the beam to driver side door outside handle from a distance of 1 m (39.4 in.). The transmitter should be pointed directly at the door handle, i.e at 90° angle to the vehicle body.

NG

REPLACE DOOR CONTROL TRANSMITTER

OK

### 4 CONFIRM ROOM LAMP ON

- (a) Check that the wireless door lock buzzer sounds.



<b>5</b>	<b>SWITCH TO SELF-DIAGNOSTIC MODE</b>
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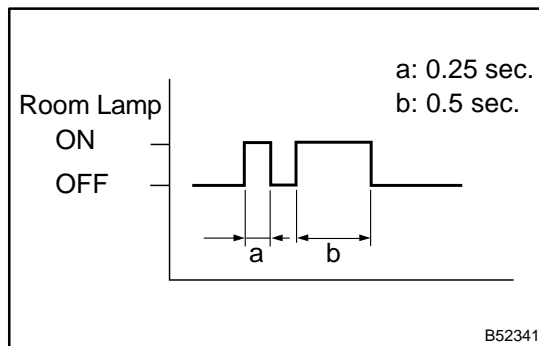
- (a) Switch to self-diagnostic mode by operating the ignition key cylinder.
- (1) Put the vehicle under the vehicle's initial condition (See page 73-8), insert the key into the ignition key cylinder and remove it.
  - (2) Within 5 seconds after the key is removed (step 1), insert the key into the ignition key cylinder (ignition key OFF) and perform the following once: Turn the ignition switch to ON and return it to OFF.
  - (3) Within 30 seconds after the ignition switch is returned to OFF (step 2), perform the following 9 times: Turn the ignition switch to ON and return it to OFF.

**NOTICE:**

**If operation has failed, the system will return to normal mode.**

**HINT:**

- Turning the ignition switch ON after step 3 has been completed will end self-diagnostic mode.
- Do not lock or unlock doors during self-diagnostic mode.



- (b) Check that the system has switched to self-diagnostic mode by the blinking frequency of the room lamp.

<b>NG</b>
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<b>Go to step 9</b>
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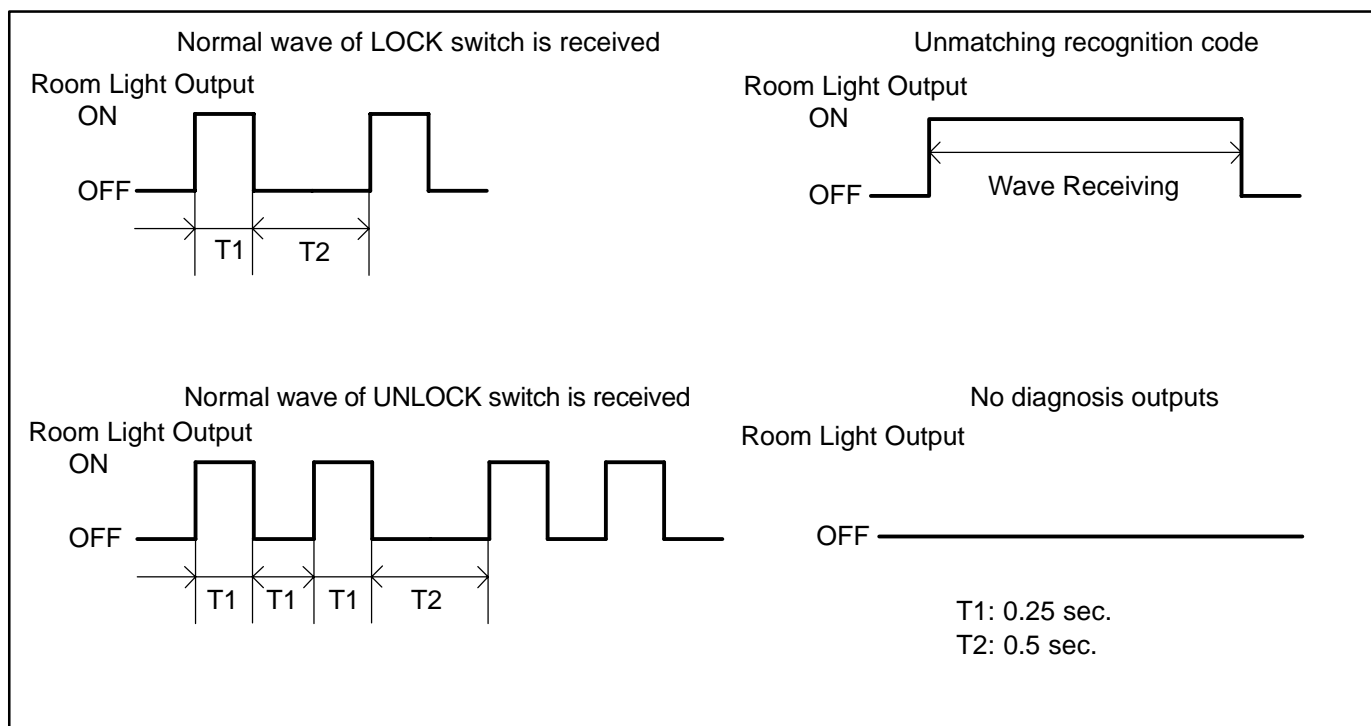
<b>OK</b>
-----------

**6 CHECK BY SELF-DIAGNOSTIC MODE**

- (a) Inspect the diagnosis outputs when the door control transmitter switch is held down (The diagnosis outputs can be checked with the outputs of the room lamp).

HINT:

- In the case of a reception of the normal wave of the door LOCK and UNLOCK switch (room lamp blinking), go to step A.
- In the case of an unmatching recognition code (room lamp ON), go to step B.
- In the case of no diagnosis outputs (room lamp OFF), go to step C.



**A** Go to step 16

**C** Go to step 8

**B**

**7 REGISTER RECOGNITION CODE**

- (a) Check that the system can switch to rewrite mode or add mode and whether a recognition code can be registered.

**NG** Go to step 15

**OK**

**NORMAL**

**8 CHECK RESPONSE OF DOOR CONTROL RECEIVER**

- (a) When a new or normal door control transmitter switch for the same type vehicle is held down, check that a diagnosis of unmatching recognition code is output.

**NG** → **Go to step 12**

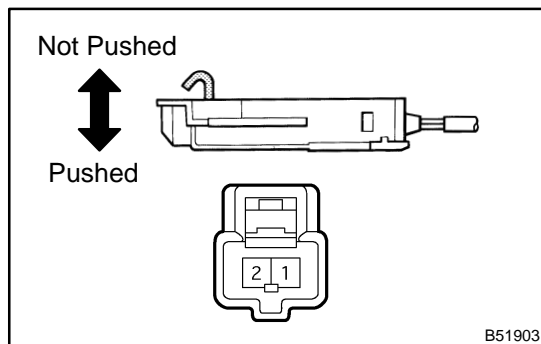
**OK**

**REPLACE DOOR CONTROL TRANSMITTER****9 CONFIRM INPUT METHOD OF SELF-DIAGNOSTIC MODE**

- (a) When the method for switching the system to self-diagnostic mode works, proceed to A.
- (b) When the method for switching the system to self-diagnostic mode does not work, proceed to B.

**B** → **Go to step 5**

**A**

**10 INSPECT UNLOCK WARNING SWITCH ASSY**

- (a) Remove the key unlock warning switch.
- (b) Inspect the key unlock warning switch continuity, as shown in the illustration and table.

**Standard:**

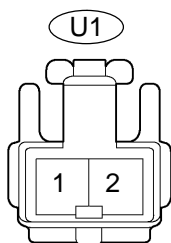
Terminal No.	Switch Condition	Specified condition
1 ↔ 2	Not pushed	No continuity
	Pushed	Continuity

**NG** → **REPLACE UNLOCK WARNING SWITCH ASSY**

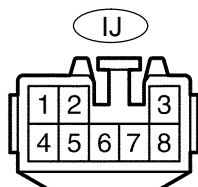
**OK**

# 11 CHECK WIRE HARNESS (UNLOCK WARNING SWITCH ⇔ INSTRUMENT PANEL J/B AND BODY GROUND)

Unlock Warning Switch  
(Wire Harness Side)



Instrument Panel J/B  
(Wire Harness Side)



B60080

- Disconnect the unlock warning switch and instrument panel J/B connectors.
- Check the continuity between the terminals of the unlock warning switch and instrument panel J/B connectors, as shown in the illustration and table.

## Standard:

Symbols (Terminal No.)	Specified condition
(U1-2) ⇔ KSW (IJ-8)	Continuity
(U1-1) ⇔ Body ground	

NG

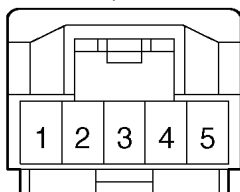
**REPAIR OR REPLACE HARNESS AND CONNECTOR**

OK

# 12 CHECK WIRE HARNESS (DOOR CONTROL RECEIVER ⇔ BODY GROUND)

Door Control Receiver  
(Wire Harness Side)

D3



B59092

- Disconnect the connector from the door control receiver.
- Check the voltage and continuity between the terminal of the door control receiver connector and the body ground, as shown in the illustration and table.

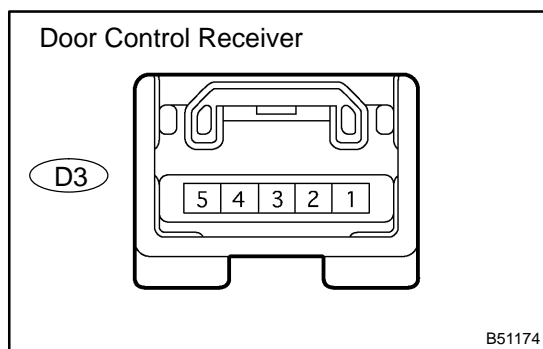
## Standard:

Symbols (Terminal No.)	Specified condition
+B (D3-5) ⇔ Body ground	10 – 14 V
GND (D3-1) ⇔ Body ground	Continuity

NG

**REPAIR OR REPLACE HARNESS AND CONNECTOR**

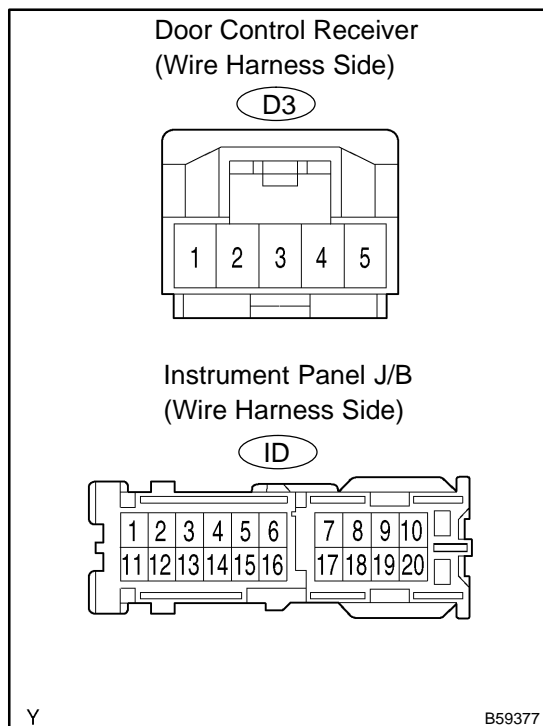
OK

**13 CHECK DOOR CONTROL RECEIVER**

- (a) Reconnect the connector to the door control receiver, and check the voltage between the terminal and the body ground, as shown in the illustration and table.

**Standard:**

Symbols (Terminal No.)	Condition	Specified condition
RDA (D3-2) ⇔ Body ground	No key in ignition key cylinder, all doors closed and each transmitter switch OFF → ON	1 V or less → Approx. 6 – 7 V → 1 V or less

**NG****Go to step 15****OK****14 CHECK WIRE HARNESS (DOOR CONTROL RECEIVER ⇔ INSTRUMENT PANEL J/B) (DOOR CONTROL RECEIVER OR INSTRUMENT PANEL J/B ⇔ BODY GROUND)**

- (a) Disconnect the door control receiver and instrument panel J/B connectors.
- (b) Check the continuity between the terminals of the door control receiver and instrument panel J/B connectors, as shown in the illustration and table.

**Standard:**

Symbols (Terminal No.) (Receiver – Instrument panel J/B)	Specified condition
RDA (D3-2) ⇔ RDA (ID-8)	Continuity
RDA (D3-2) ⇔ Body ground	No continuity
RDA (ID-8) ⇔ Body ground	

**NG****REPAIR OR REPLACE HARNESS AND CONNECTOR****OK**

**15 REPLACE DOOR CONTROL RECEIVER WITH NORMAL ONE****NG****Go to step 16****OK****REPLACE DOOR CONTROL RECEIVER****16 REPLACE INTEGRATION RELAY WITH NORMAL ONE****NG****REPLACE INSTRUMENT PANEL JUNCTION  
BLOCK ASSY****OK****REPLACE INTEGRATION RELAY**