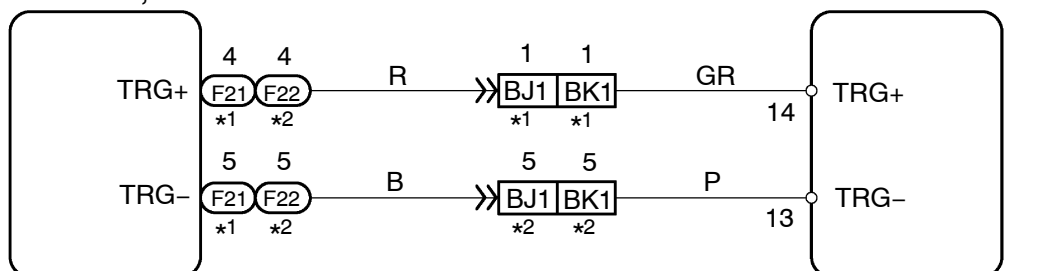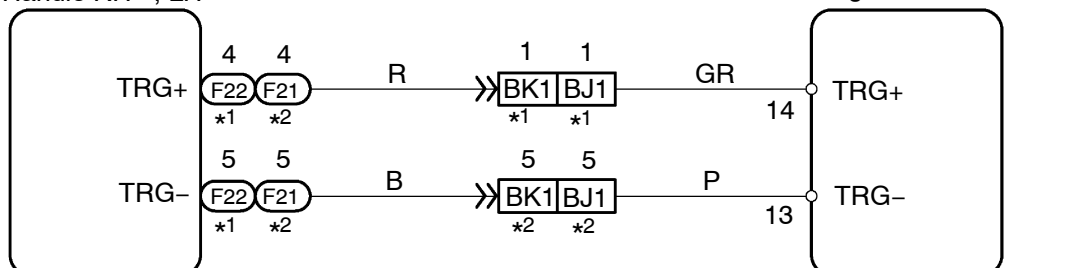# TRIGGER SWITCH CIRCUIT

CIRCUIT DESCRIPTION

Trigger switches are built into the outside handles of each door. Door ECUs detect the conditions of the each trigger switch.
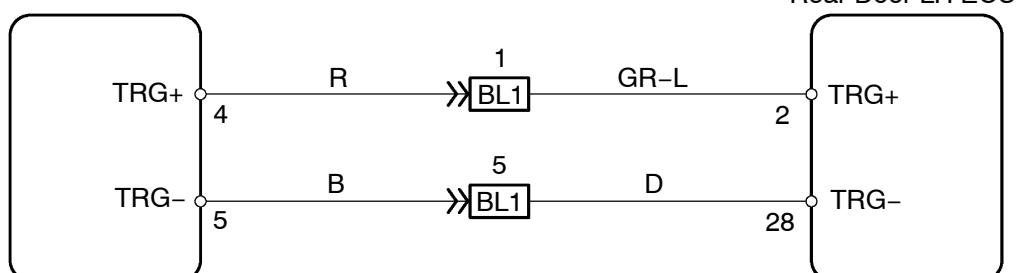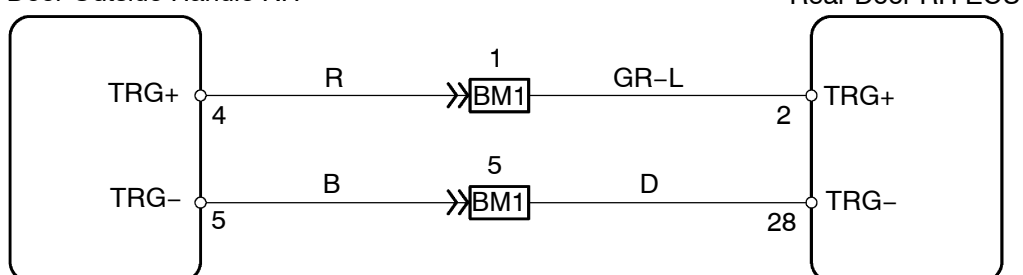
WIRING DIAGRAM

*1: LHD
*2: RHD

Y

B74253

INSPECTION PROCEDURE

1	READ VALUE OF INTELLIGENT TESTER II

(a) Connect the intelligent tester II to the DLC3.

(b) Turn the ignition switch ON and press the intelligent tester II main switch ON.

(c) Select the items below in the DATA LIST and read the displays on the intelligent tester II.

Each door ECU:

Item	Test Details	Normal Condition	(Diagnostic Note)
Trigger switch	Trigger Switch/ ON or OFF	ON/OFF	–

OK: "ON" (trigger switch is pressed) appears on the screen.

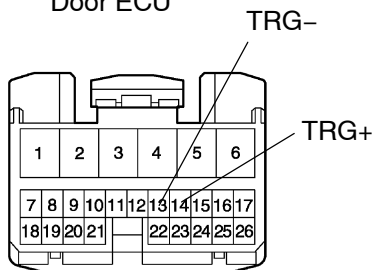| NG >	Go to step 2

OK

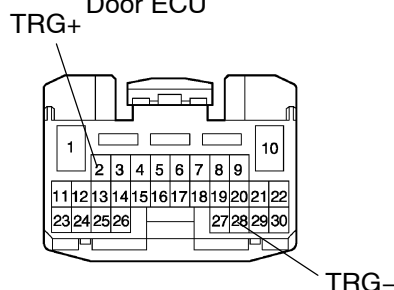| PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOMS TABLE (**See page 05–2634**) |
|---|

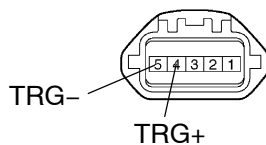## 2 | CHECK WIRE HARNESS (OUTSIDE DOOR HANDLE – DOOR ECU)

Wire Harness Side

D25*1, *5, F17*2, *6
Door ECU

TRG−

TRG+

R14*3, R17*4
Door ECU

TRG+

TRG−

F21*1, *6, F22*2, *5
R30*3, R31*4
Door Oscillator

TRG−

TRG+

*1: Driver Side (LHD)
*2: Passenger Side (LHD)
*3: Rear LH
*4: Rear RH
*5: Driver Side (RHD)
*6: Passenger Side (RHD)

B80328

(a) Disconnect the D25, F17, R14 and R17 door ECU connectors.

(b) Disconnect the F21, F22, R30 and R31 outside door handle connectors.

(c) Measure the resistance of between the wire harness side connectors.
Standard:
LHD models (Driver side)

Tester Connection	Specified Condition
D25−14 (TRG+) − F21−4 (TRG+)	Below 1 Ω
D25−13 (TRG−) − F21−5 (TRG−)	Below 1 Ω

LHD models (Passenger side)

Tester Connection	Specified Condition
F17−14 (TRG+) − F22−4 (TRG+)	Below 1 Ω
F17−13 (TRG−) − F22−5 (TRG−)	Below 1 Ω

LHD models (Rear LH)

Tester Connection	Specified Condition
R14−2 (TRG+) − R30−4 (TRG+)	Below 1 Ω
R14−28 (TRG−) − R30−5 (TRG−)	Below 1 Ω

LHD models (Rear RH)

Tester Connection	Specified Condition
R17−2 (TRG+) − R31−4 (TRG+)	Below 1 Ω
R17−28 (TRG−) − R31−5 (TRG−)	Below 1 Ω

RHD models (Driver side)

Tester Connection	Specified Condition
D25−14 (TRG+) − F22−4 (TRG+)	Below 1 Ω
D25−13 (TRG−) − F22−5 (TRG−)	Below 1 Ω

RHD models (Passenger side)

Tester Connection	Specified Condition
F17−14 (TRG+) − F21−4 (TRG+)	Below 1 Ω
F17−13 (TRG−) − F21−5 (TRG−)	Below 1 Ω

RHD models (Rear LH)

Tester Connection	Specified Condition
R14−2 (TRG+) − R30−4 (TRG+)	Below 1 Ω
R14−28 (TRG−) − R30−5 (TRG−)	Below 1 Ω

RHD models (Rear RH)

Tester Connection	Specified Condition
R17−2 (TRG+) − R31−4 (TRG+)	Below 1 Ω
R17−28 (TRG−) − R31−5 (TRG−)	Below 1 Ω

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

OK

3	INSPECT OUTSIDE DOOR HANDLE

B80407
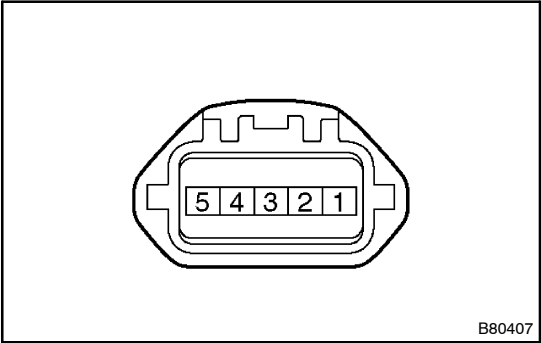
(a) Remove the outside door handle.

(b) Measure the resistance between the terminal of the connector when the switch is operated.

Standard:

Switch Condition	Tester Condition	Specified Condition
Switch pushed	4 − 5	Below 1 Ω
Switch not pushed	4 − 5	10 kΩ or higher

NG > **REPLACE OUTSIDE DOOR HANDLE ASSY**

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOMS TABLE