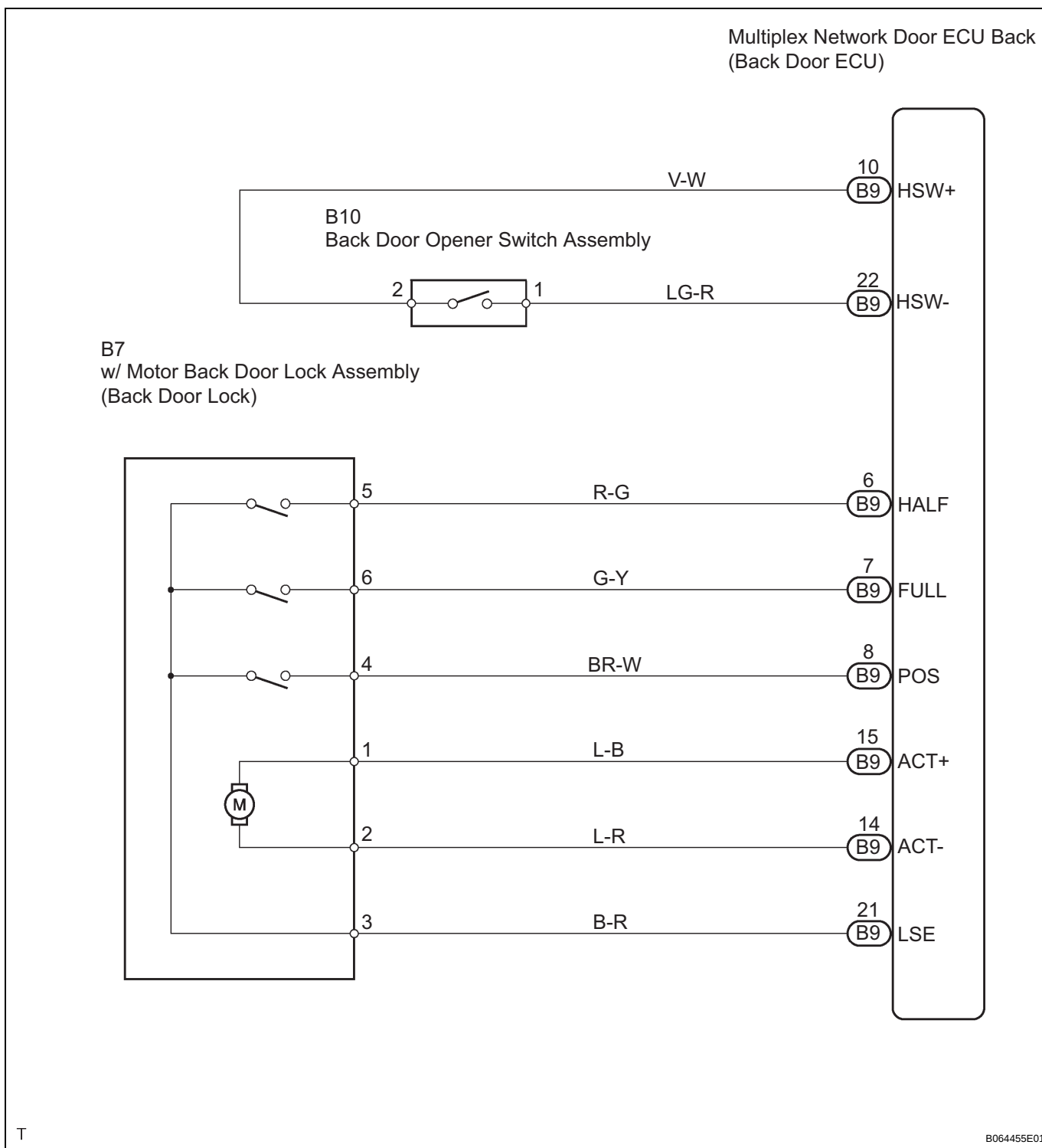


Only Back Door cannot be Opened

DESCRIPTION

The signal for manual unlocking operation on driver side door and the signal for unlocking operation interlocked with the driver side door lock key cylinder are sent to the back door ECU from the body ECU using the MPX line. Also, the signal of the back door opener switch is directly sent to the back door ECU. In response to these signals, the back door ECU controls the back door lock.

WIRING DIAGRAM



INSPECTION PROCEDURE

1

READ VALUE OF INTELLIGENT TESTER

(a) Check the data list of back door opener switch.

BODY:

Item	Measurement Item/ Display (Range)	Normal Condition	Diagnostic Note
DOOR HANDLE SW	Back door opener SW signal / ON or OFF	ON: Back door opener is pushed OFF: Back door opener is not pushed	-

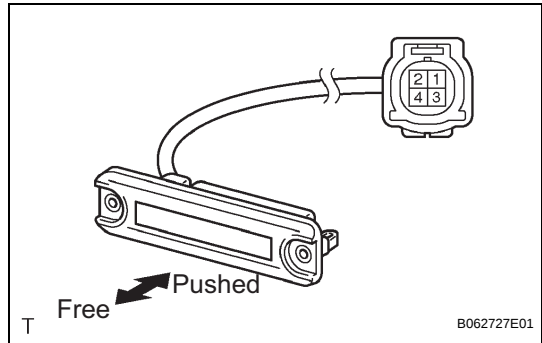
OK

Go to step 4

NG

2

INSPECT BACK DOOR OPENER SWITCH ASSEMBLY



- (a) Remove the back door opener switch.
(b) Inspect the back door opener switch continuity.
Standard resistance

Terminal No.	Condition	Specified Condition
1 - 2	Free	10 kΩ or higher
	Pushed	Below 1 Ω

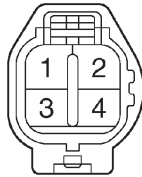
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REPLACE BACK DOOR OPENER SWITCH ASSEMBLY

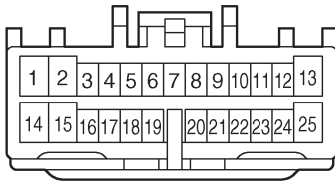
OK

3**CHECK HARNESS AND CONNECTOR (BACK DOOR OPENER SWITCH - BACK BODY)****Wire Harness Side**

B10
Back Door Opener Switch



B9
Back Door ECU



B065426E01

- (a) Disconnect the B10 back door opener switch and B9 back door ECU connectors.
- (b) Check the continuity between the terminals of the back door opener switch (B10) and back door ECU (B9) connectors.

Standard resistance (Check for open) :

Symbols (Terminal No.)	Specified Condition
(B10-1) - HSW- (B9-22)	Below 1 Ω
(B10-2) - HSW+ (B9-10)	Below 1 Ω

NG

REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

4**PERFORM ACTIVE TEST BY INTELLIGENT TESTER**

- (a) Select the active test, and then check that the power door lock operates.
HINT:
 During the active test, the intelligent tester sends signal to the body ECU to drive the all power door lock motor. If the all power door lock operates, the power door lock motor itself and the wire harness between the power door lock motor and body ECU are considered normal.

BODY:

Item	Test Details	Diagnostic Note
DOOR LOCK	Drive the door lock motor at all doors LOCK/ OFF	-
DOOR LOCK	Drive the door lock motor at all doors UNLOCK/ OFF	-

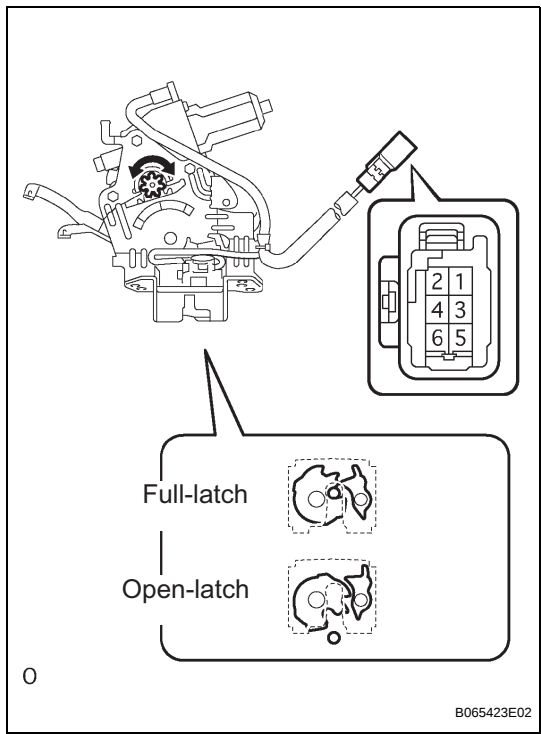
OK

REPLACE INSTRUMENT PANEL JUNCTION BLOCK ASSEMBLY

NG

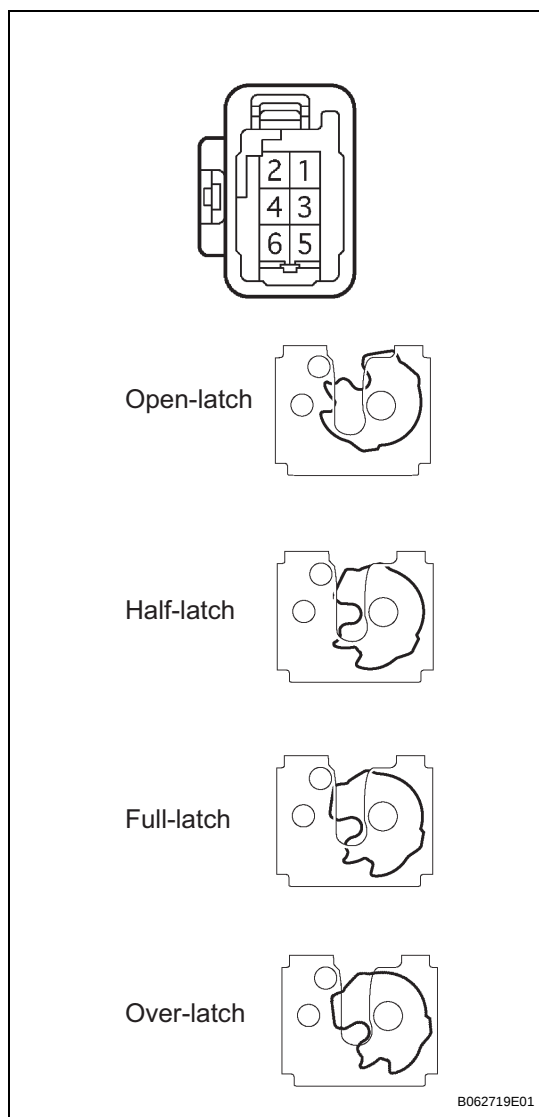
DL

5INSPECT W/MOTOR BACK DOOR LOCK ASSEMBLY



- (a) Check operation of the door lock.
- (1) Using a screwdriver, push the latch in order to put the back door lock in the locked condition (full-latch position).
 - (2) Connect the positive (+) lead to terminal 1 and the negative (-) lead to terminal 2. Then, check operation of the latch.
Standard:
The latch turns to the open-latch position
 - (3) Inspect motor operation when battery voltage is applied to the terminals.
Standard

Measurement Condition	Specified Condition
Battery positive (+) → Terminal 2 Battery negative (-) → Terminal 1	Clockwise (Motor in normal rotation)
Battery positive (+) → Terminal 1 Battery negative (-) → Terminal 2	Counterclockwise (Motor in reverse rotation)



- (b) Check the back door courtesy switch continuity.
 (1) Check the continuity between the terminals of the courtesy switch.

Standard resistance

Door Lock Latch Position	Terminal No.	Specified Condition
Open-latch position, Half-latch position	4 - 5	Below 1 Ω
Full-latch position, Over-latch position	4 - 5	10 k Ω or higher

- (c) Check the back door latch switch continuity.
 (1) Check the continuity between the terminals of the latch switch.

Standard resistance

Door Lock Latch Position	Terminal No.	Specified Condition
Open-latch position, Over-latch position	4 - 6	Below 1 Ω
Half-latch position, Full-latch position	4 - 6	10 k Ω or higher

- (d) Check the position switch continuity.
 (1) Connect the battery positive (+) lead to connector terminal 1 and the negative (-) lead to connector terminal 2.

Standard resistance

Door Lock Latch Position	Terminal No.	Specified Condition
Any position other than motor stop position (Motor in operation)	3 - 4	Below 1 Ω
Motor stop position (Gear in original position)	3 - 4	10 k Ω or higher

NG

REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

REPLACE W/MOTOR BACK DOOR LOCK ASSEMBLY