DIAGNOSTIC TROUBLE CODE CHART

If a malfunction code is displayed during the DTC check, check the circuit listed for that code in the table below. (Proceed to the page given for that circuit.)

BACK DOOR CLOSER SYSTEM

DTC No.	Detection Item	Trouble Area	See page
B2215	Back Door Closer Switch Malfunction	1. Back door lock assembly 2. Power back door ECU 3. Wire harness	ED-116

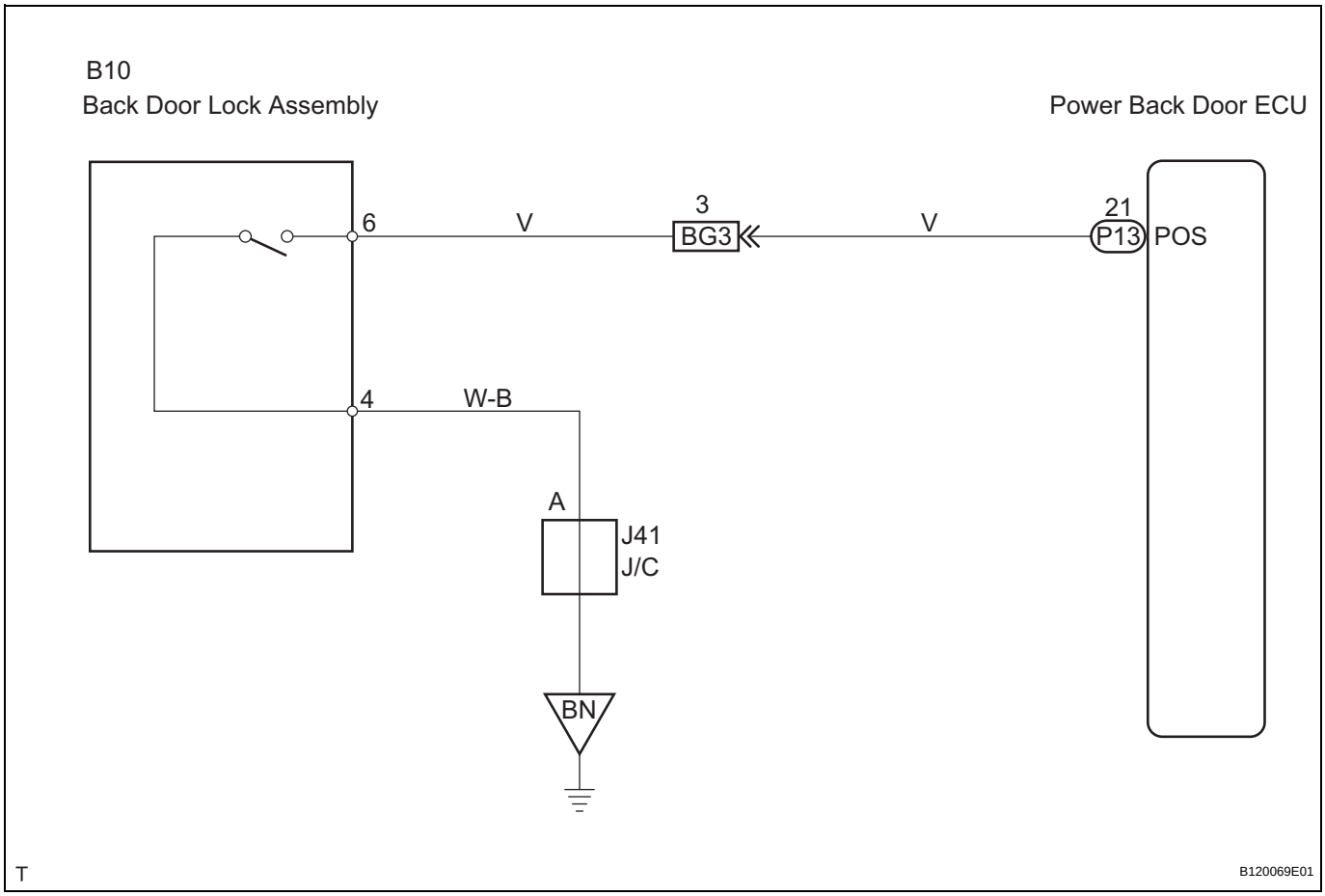
DTC	B2215	Back Door Closer Switch Malfunction

DESCRIPTION

This DTC is output when a malfunction occurs in the position switch in the back door. This position switch detects if the back door is in the latch position and sends a position signal to the power back door ECU.

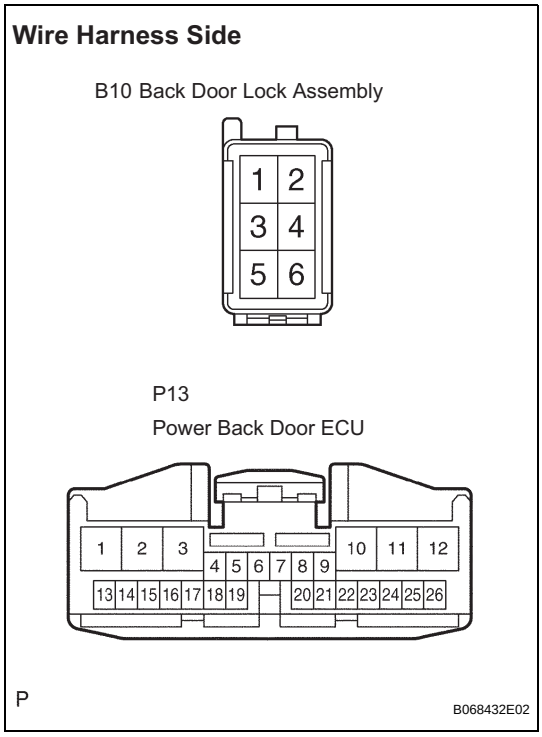
DTC No.	DTC Detection Condition	Trouble Area
B2215	Back door does not operate	• Back door lock assembly • Power back door ECU • Wire harness

WIRING DIAGRAM



INSPECTION PROCEDURE

1 CHECK WIRE HARNESS (BACK DOOR LOCK ASSEMBLY - POWER BACK DOOR ECU)



(a) Disconnect the B10 lock and P13 ECU connectors.
(b) Check the resistance between the wire harness side connectors.
Resistance (Check for open circuit)

Terminal No.	Specified Condition
B10-6 - P13-21 (POS)	Below 1 Ω

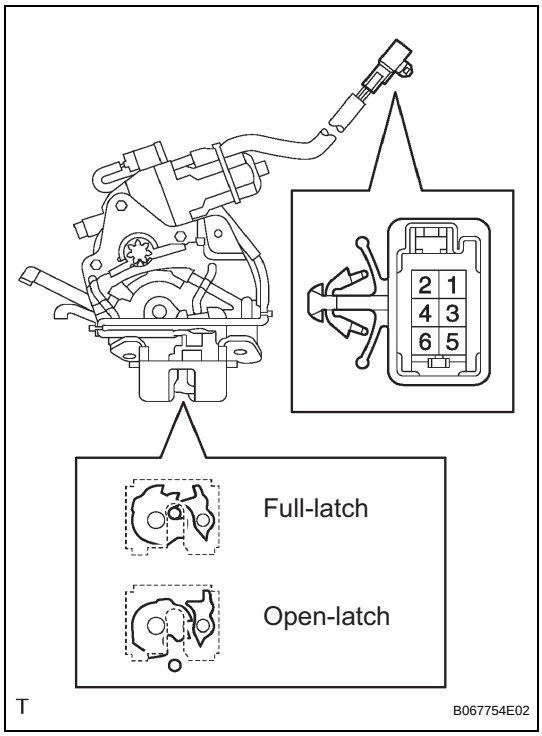
(c) Check the resistance between the B10 lock connector and body ground.
Resistance (Check for open circuit)

Terminal No.	Specified Condition
B10-4 - Body ground	Below 1 Ω

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

OK

2 INSPECT 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 battery positive (+) lead to terminal 1 and the battery negative (-) lead to terminal 2. Then, check operation of the latch.
OK:
The latch turns to the open-latch position
(3) Inspect motor operation when battery voltage is applied to the terminals.
OK

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)

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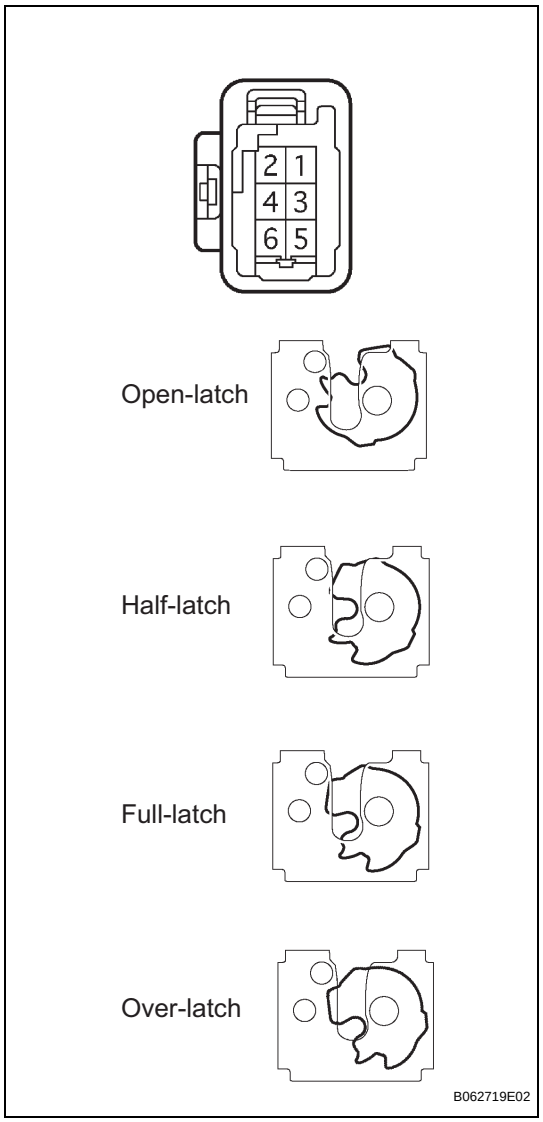

(b) Check the back door courtesy switch resistance.
(1) Check the resistance between the terminals of the courtesy switch.
Resistance

Door Lock Latch Position	Terminal No.	Specified Condition
Open-latch position, Half-latch position	3 - 4	Below 1 Ω
Full-latch position, Over-latch position		10 kΩ or higher

(c) Check the back door latch switch resistance.
(1) Check the resistance between the terminals of the latch switch.
Resistance

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

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

Door Lock Latch Position	Terminal No.	Specified Condition
Any position other than motor stop position (Motor in operation)	4 - 6	Below 1 Ω
Motor stop position (Gear in original position)		10 kΩ or higher

NG → **REPLACE BACK DOOR LOCK ASSEMBLY**

OK

REPLACE POWER BACK DOOR ECU