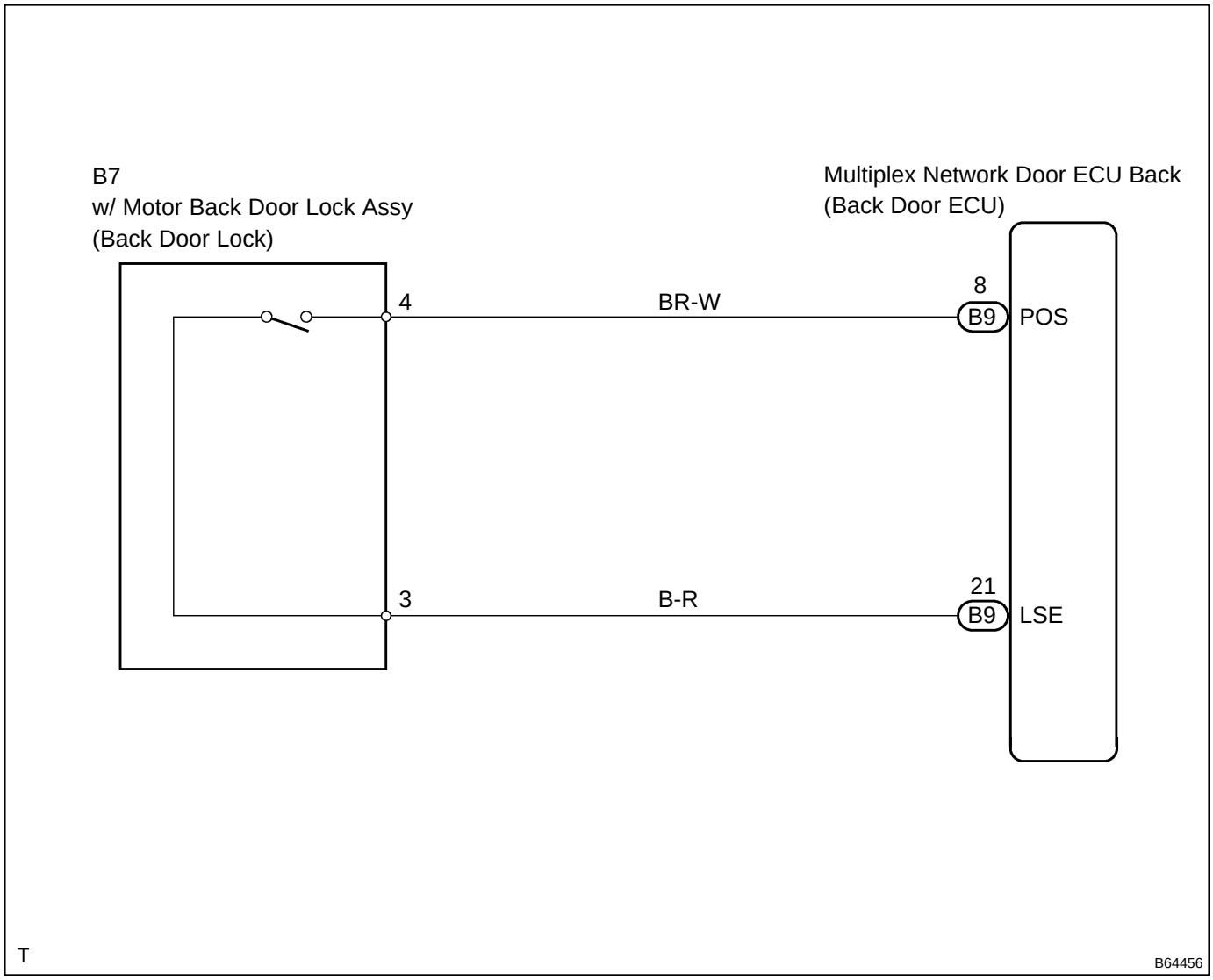
DTC	B2215	BACK DOOR CLOSER SWITCH MALFUNCTION

CIRCUIT DESCRIPTION

This DTC is output when the position switch in the back door malfunctions. This position switch detects the back door LOCK/UNLOCK and sends it to the back door ECU.

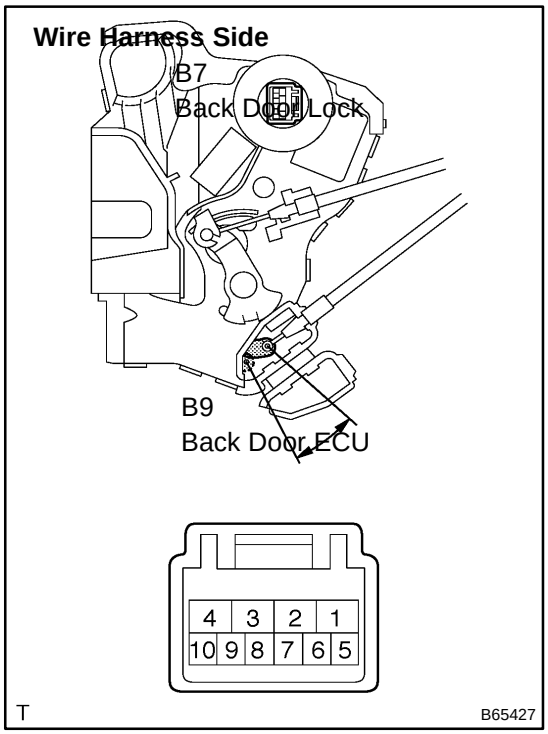
DTC No.	DTC Detection Condition	Trouble Area
B2215	Back door does not operate	• w/ Motor back door lock assy (back door lock) • Multiplex network door ECU back (back door ECU) • Wire harness

WIRING DIAGRAM



INSPECTION PROCEDURE

1	**CHECK WIRE HARNESS (W/MOTOR BACK DOOR LOCK ASSY (BACK DOOR LOCK) ⇔ MULTIPLEX NETWORK DOOR ECU BACK (BACK BODY ECU))**



(a) Disconnect the B7 back door lock and B9 back door ECU connectors.

(b) Check the continuity between the terminals of the back door lock (B7) and back door ECU (B9) connectors.

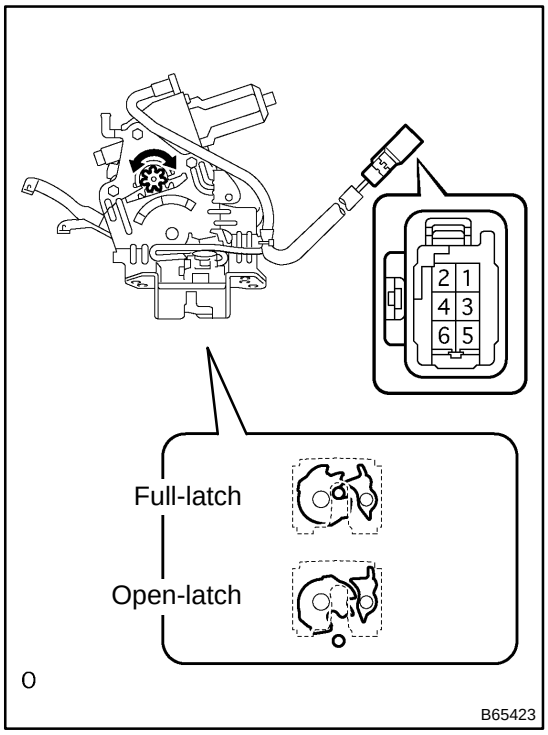
Standard (Check for open) :

Symbols (Terminal No.)	Specified Condition
- (B7-4) ⇔ POS (B9-8)	Continuity
- (B7-3) ⇔ LSE (B9-21)	

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

OK

2	INSPECT W/MOTOR BACK DOOR LOCK ASSY



(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).

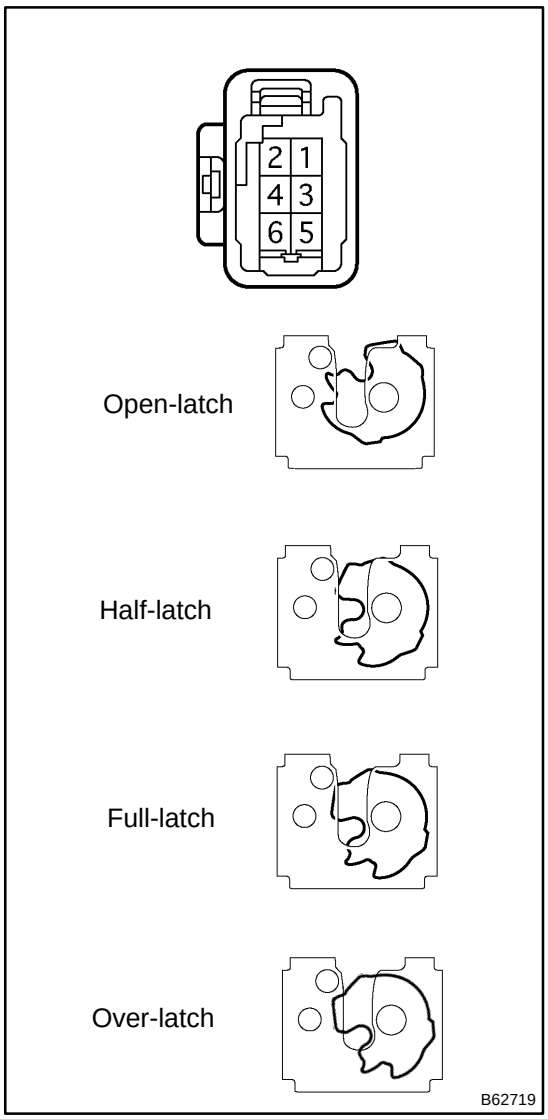
(2) Connect the positive (+) lead to terminal 1 and the negative (-) lead to terminal 2. Then, check operation of the latch.

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:

Door Lock Latch Position	Terminal No.	Specified Condition
Open-latch position, Half-latch position	4 ⇔ 5	Continuity
Full-latch position, Over-latch position	4 ⇔ 5	No continuity

(c) Check the back door latch switch continuity.

(1) Check the continuity between the terminals of the latch switch.

Standard:

Door Lock Latch Position	Terminal No.	Specified Condition
Open-latch position, Over-latch position	4 ⇔ 6	Continuity
Half-latch position, Full-latch position	4 ⇔ 6	No continuity

(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:

Door Lock Latch Position	Terminal No.	Specified Condition
Any position other than motor stop position (Motor in operation)	3 ⇔ 4	Continuity
Motor stop position (Gear in original position	3 ⇔ 4	No continuity

NG → **REPLACE W/MOTOR BACK DOOR LOCK ASSY**

OK

REPLACE MULTIPLEX NETWORK DOOR ECU BACK