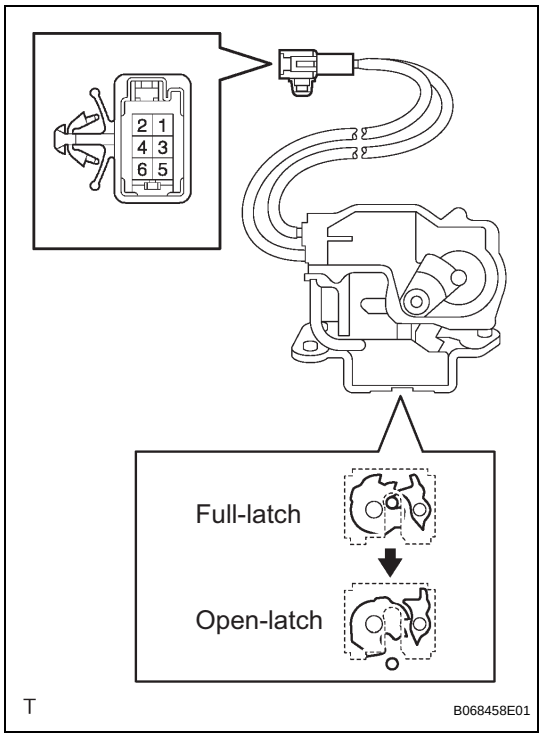


BACK DOOR LOCK

INSPECTION

1. INSPECT BACK DOOR LOCK ASSEMBLY (W/O CLOSER)

(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 3 and the battery negative (-) lead to terminal 1. Then, check operation of the latch.

Standard:

The latch turns to the open-latch position

If operation is not as specified, replace the door lock assembly.

(3) Inspect motor operation when battery voltage is applied to the terminals.

Standard

Measurement Condition	Specified Condition
Battery positive (+) → Terminal 3 Battery negative (-) → Terminal 1	Clockwise (Motor in normal rotation)
Battery positive (+) → Terminal 1 Battery negative (-) → Terminal 3	Counterclockwise (Motor in reverse rotation)

If operation is not as specified, replace the door lock assembly.

(b) Check the back door courtesy switch resistance.

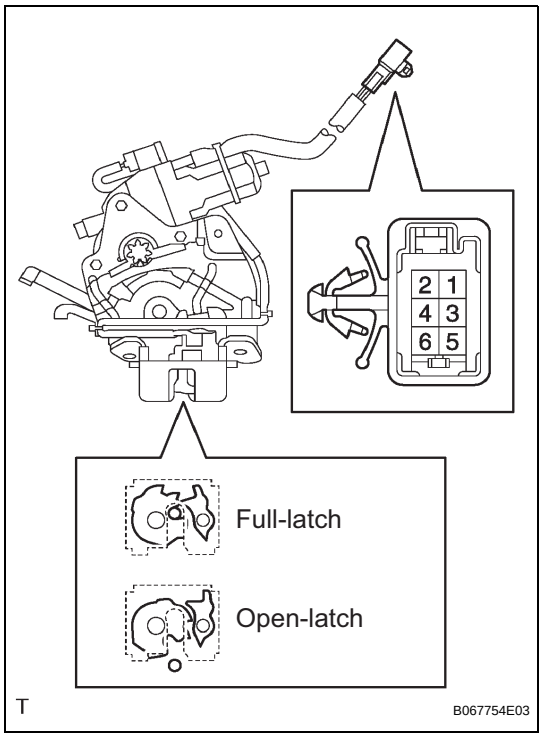
(1) Check the resistance between the terminals of the courtesy switch.

Standard resistance

Door Lock Latch Position	Terminal No.	Specified Condition
Open-latch position	5 - 6	Below 1 Ω
Full-latch position	5 - 6	10 kΩ or higher

If the result is not as specified, replace the door lock assembly.

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2. INSPECT BACK DOOR LOCK ASSEMBLY (W/ CLOSER)

(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.

Standard:

The latch turns to the open-latch position

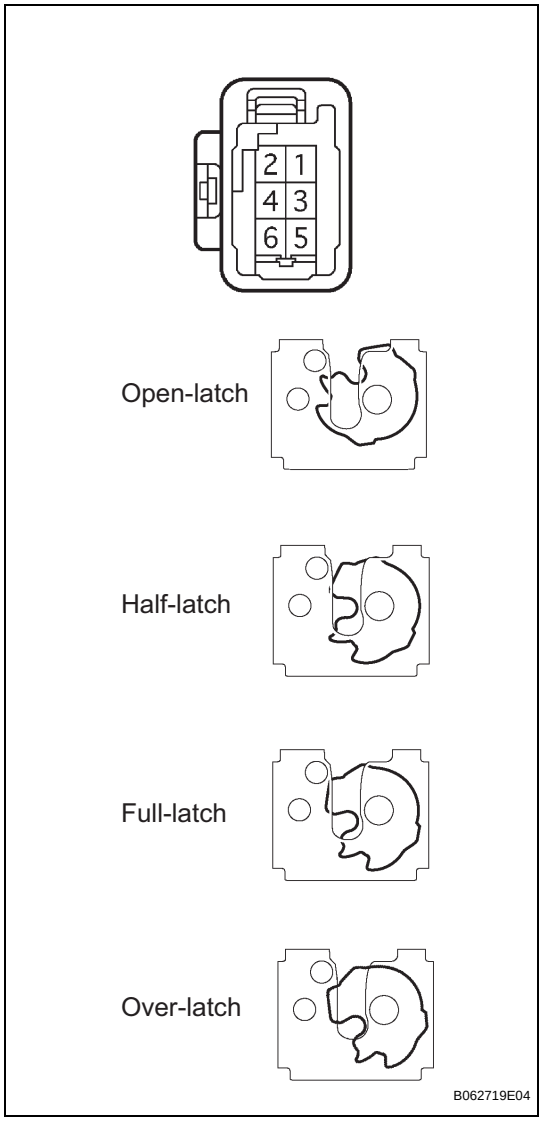
(3) Inspect motor operation when battery voltage is applied to the terminals.

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)

HINT:

If operation is not as specified, replace the door lock assembly.



(b) Measure the resistance according to the value(s) in the table below.

Standard resistance (Courtesy switch)

Tester Connection	Door Lock Latch Position	Specified Condition
3 - 4	Open-latch	Below 1 Ω
3 - 4	Half-latch	Below 1 Ω
3 - 4	Full-latch	10 kΩ or higher
3 - 4	Over-latch	10 kΩ or higher

HINT:
If the result is not as specified, replace the door lock assembly.

(c) Measure the resistance according to the value(s) in the table below.

Standard resistance (Back door latch switch)

Tester Connection	Door Lock Latch Position	Specified Condition
4 - 5	Open-latch	Below 1 Ω
4 - 5	Half-latch	Below 1 Ω
4 - 5	Full-latch	10 kΩ or higher
4 - 5	Over-latch	10 kΩ or higher

HINT:
If the result is not as specified, replace the door lock assembly.

(d) Measure the resistance according to the value(s) in the table below.

Standard resistance (Position switch)

Tester Connection	Door Lock Latch Position	Specified Condition
4 - 6	Any position other than motor stop position (Motor in operation)	Below 1 Ω
4 - 6	Motor stop position (Gear in original position)	10 kΩ or higher

HINT:
If the result is not as specified, replace the door lock assembly.

(e) Measure the resistance according to the value(s) in the table below.

(1) Full-latch:
Connect the battery positive (+) lead to connector terminal 7 and the negative (-) lead to connector terminal 5.

Standard resistance

Tester Connection	Driven Gear Position	Specified Condition
8 - 9	Release	Below 1 Ω

HINT:
If the result is not as specified, replace the door lock assembly.

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