

# BACK DOOR LOCK

## INSPECTION

### 1. INSPECT BACK DOOR LOCK ASSEMBLY (W/O POWER BACK DOOR SYSTEM)

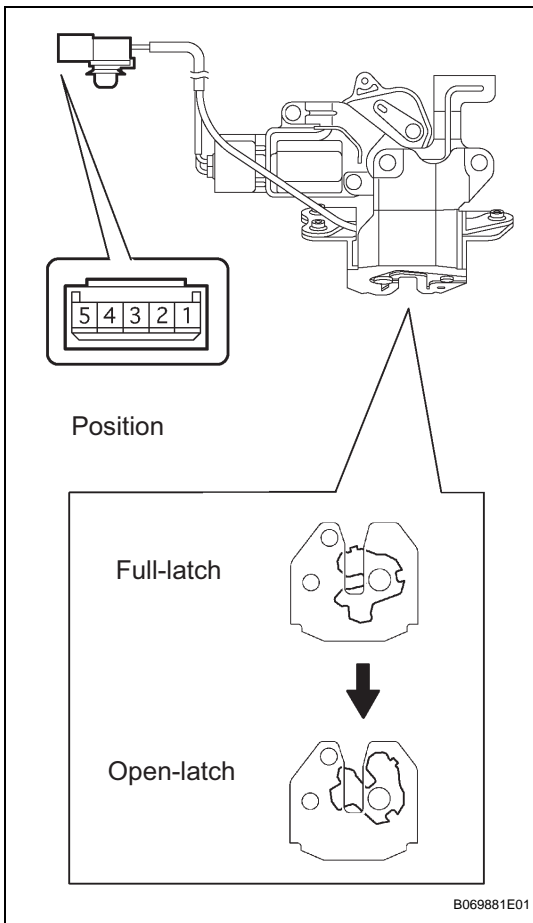
- (a) Check operation of the door lock.
  - (1) Using a screwdriver, push the latch in order to put the back door lock in the locked condition (full-latch position).
  - (2) Apply battery voltage to the door lock and check operation of the latch.

**OK**

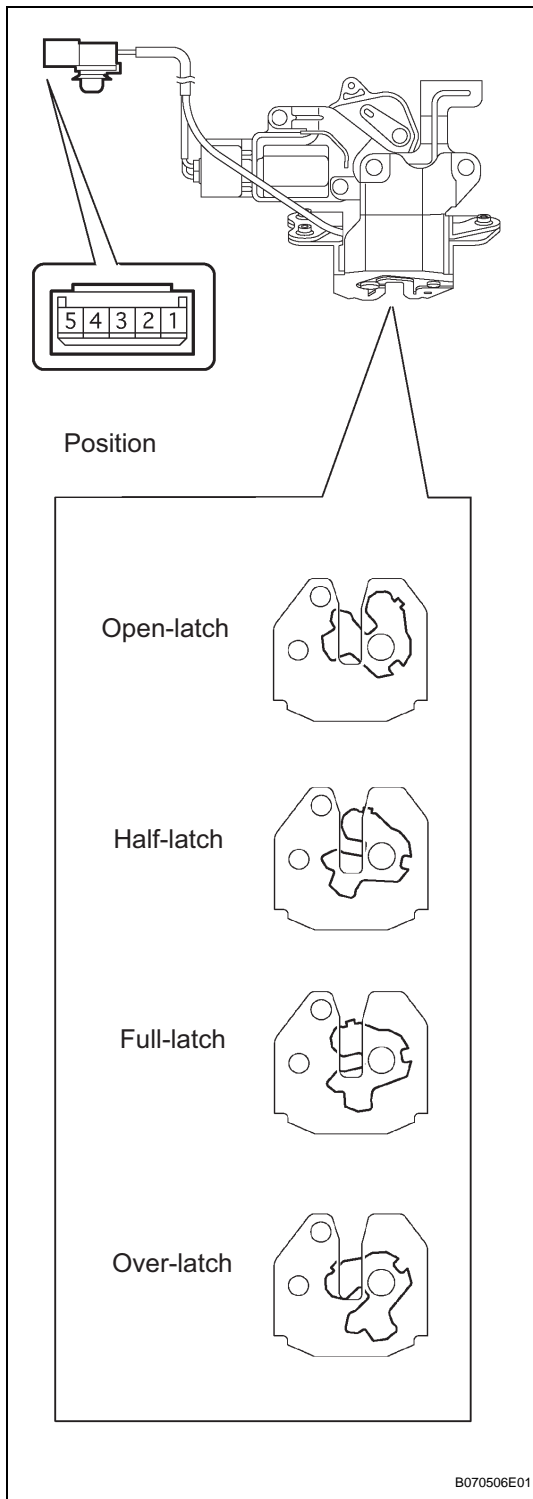
Measurement Condition	Specified Condition
Battery positive (+) → Terminal 5 Battery negative (-) → Terminal 3	Latch turns to open-latch position

**HINT:**

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



**DL**



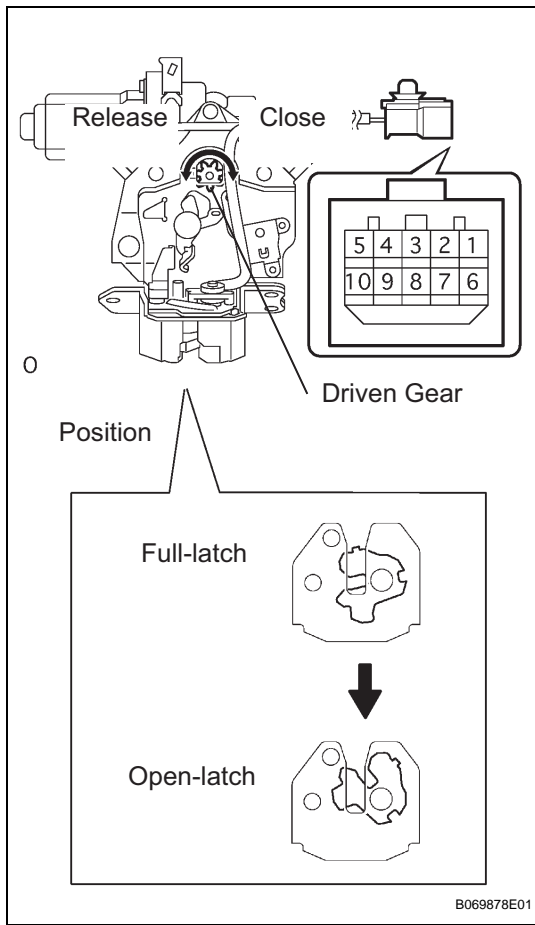
- (b) Measure the resistance according to the value(s) in the table below.

**Standard resistance (Courtesy switch)**

Tester Connection	Door Lock Latch Position	Specified Condition
1 - 2	Open-latch	Below 1 $\Omega$
1 - 2	Half-latch	Below 1 $\Omega$
1 - 2	Full-latch	10 k $\Omega$ or higher
1 - 2	Over-latch	10 k $\Omega$ or higher

**HINT:**

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



**2. INSPECT BACK DOOR LOCK ASSEMBLY (W/ POWER BACK DOOR SYSTEM)**

- (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) Apply battery voltage to the door lock and check operation of the latch.

**OK**

Measurement Condition	Specified Condition
Battery positive (+) → Terminal 5 Battery negative (-) → Terminal 7	Latch turns to open-latch position

**HINT:**

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

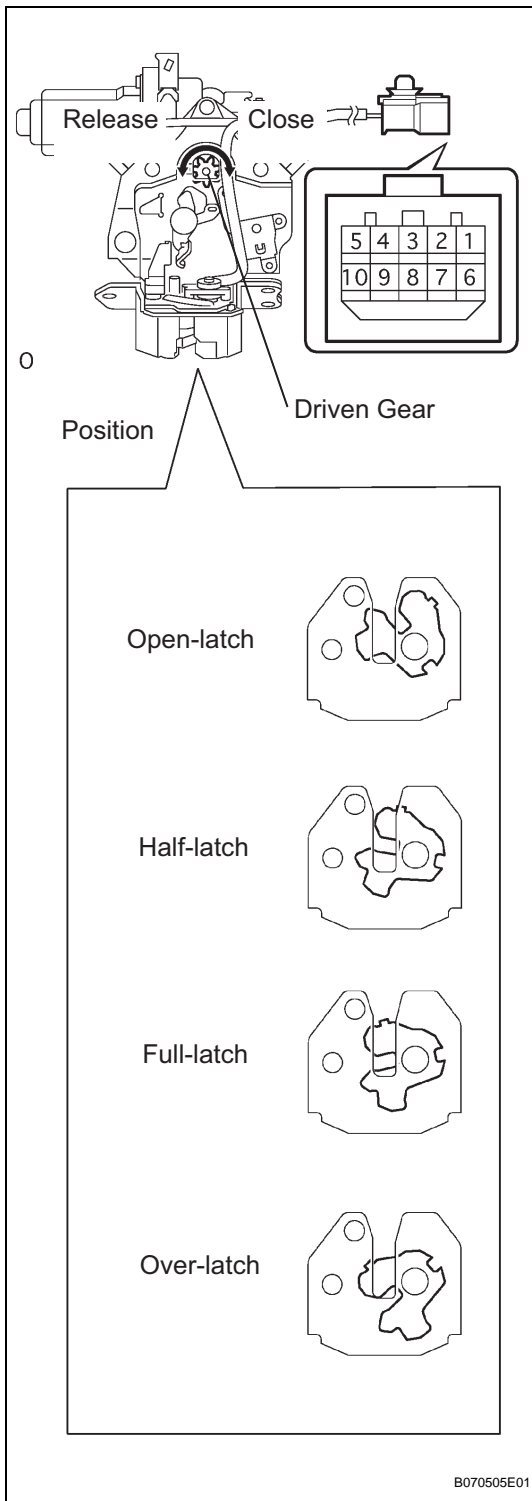
- (3) Apply battery voltage to the door lock motor and check operation of the motor.

**OK**

Measurement Condition	Specified Condition
Battery positive (+) → Terminal 5 Battery negative (-) → Terminal 7	Close operation (Clockwise rotation )
Battery positive (+) → Terminal 7 Battery negative (-) → Terminal 5	Release operation (Counterclockwise rotation )

**HINT:**

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



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- (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
1 - 6	Open-latch	Below 1 Ω
1 - 6	Half-latch	Below 1 Ω
1 - 6	Full-latch	10 kΩ or higher
1 - 6	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 (Full-latch switch)**

Tester Connection	Door Lock Latch Position	Specified Condition
2 - 4	Open-latch	10 kΩ or higher
2 - 4	Half-latch	10 kΩ or higher
2 - 4	Full-latch	10 kΩ or higher
2 - 4	Over-latch	Below 1 Ω

**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 (Half-latch switch)**

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

- (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.

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

**Standard resistance**

Tester Connection	Driven Gear Position	Specified Condition
8 - 9	Close	10 k $\Omega$ or higher

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