

BACK DOOR LOCK

INSPECTION

1. INSPECT BACK DOOR LOCK ASSY (w/o POWER BACK DOOR SYSTEM)

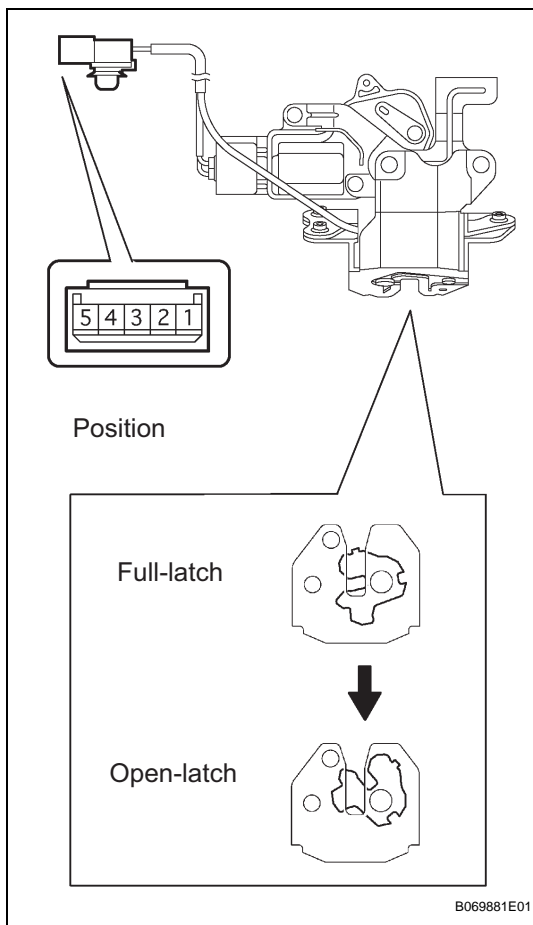
- (a) Check operation of the door lock.
 - (1) Using a screwdriver, push the latch in order to put the back door lock in the locked condition (full-latch position).
 - (2) Apply battery voltage to the door lock and check operation of the latch.

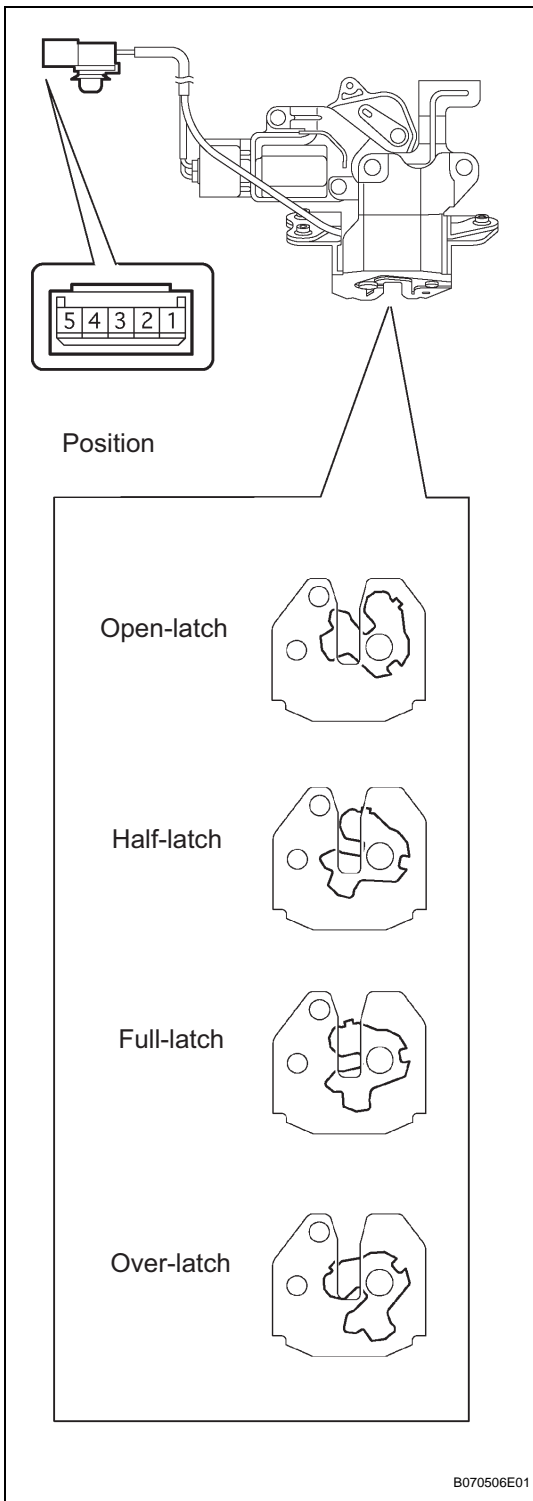
OK

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.





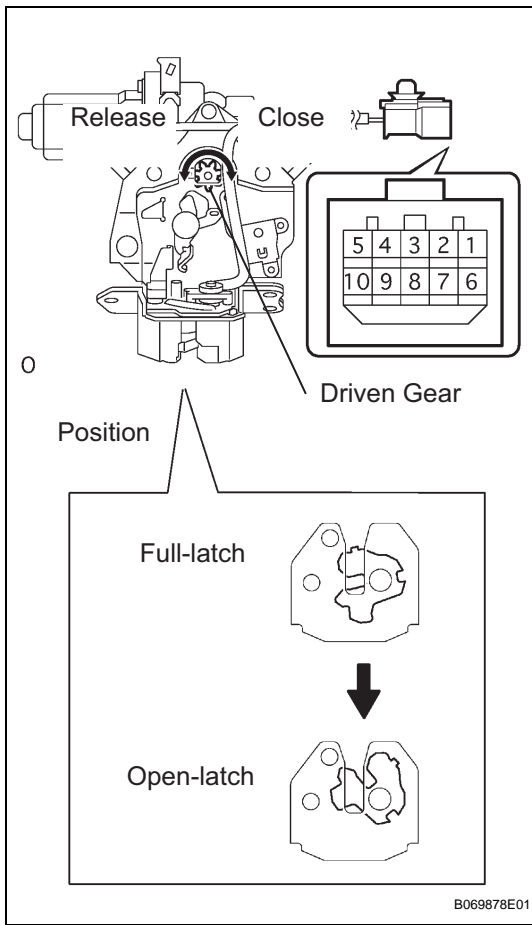
(b) Measure the resistance according to the value(s) in the table below.

Standard resistance (Courtesy switch)

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

HINT:

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



2. INSPECT BACK DOOR LOCK ASSY (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 7 Battery negative (-) → Terminal 5	Latch turns to open-latch position

HINT:

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

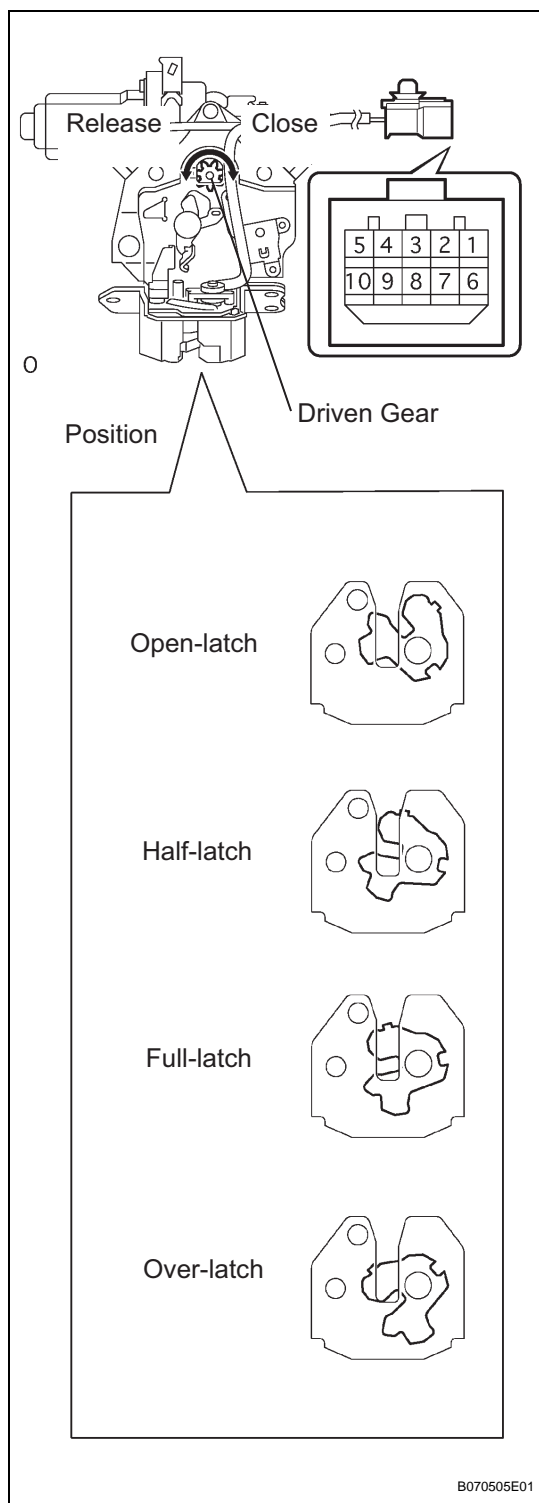
- (3) Apply battery voltage to the door lock motor and check operation of the motor.

OK

Measurement Condition	Specified Condition
Battery positive (+) → Terminal 5 Battery negative (-) → Terminal 7	Close operation (Full-latch)
Battery positive (+) → Terminal 7 Battery negative (-) → Terminal 5	Release operation (Open-latch)

HINT:

If the result 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
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 Ω or higher

HINT:

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