

POWER BACK DOOR DRIVE UNIT INSPECTION

1. INSPECT POWER BACK DOOR DRIVE UNIT

- (a) Connect the battery positive (+) lead to terminal 3 and battery negative (-) terminal lead to terminal 9.
- (b) Apply battery voltage to the terminals and check the motor operation.

OK

Measurement Condition	Specified Condition
Battery positive (+) → Terminal 7 Battery negative (-) → Terminal 8	Open
Battery positive (+) → Terminal 8 Battery negative (-) → Terminal 7	Close

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

Standard resistance

Tester Connection	Specified Condition
3 - 9	4.0 Ω

- (d) Reinstall the unit with the connector connected.

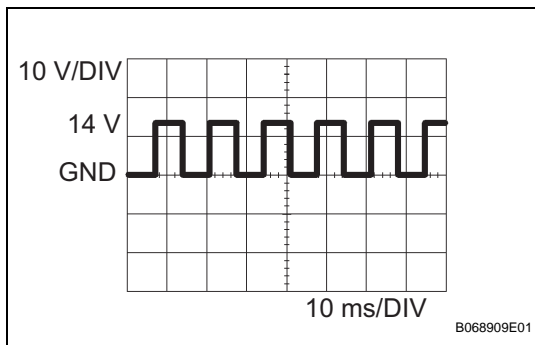
- (e) Reference:

Check the pulse of the pulse sensor.

- (1) Using an oscilloscope, check the pulse generated when the door is manually opened and closed.

OK

Terminal	1 - 6, 5 - 6
Tool setting	10 V/DIV., 10 ms/DIV.
Vehicle condition	Door moving



HINT:

A cycle of the pulse changes between approx. 10 and 20 msec. according to the speeds that the back door is moving.