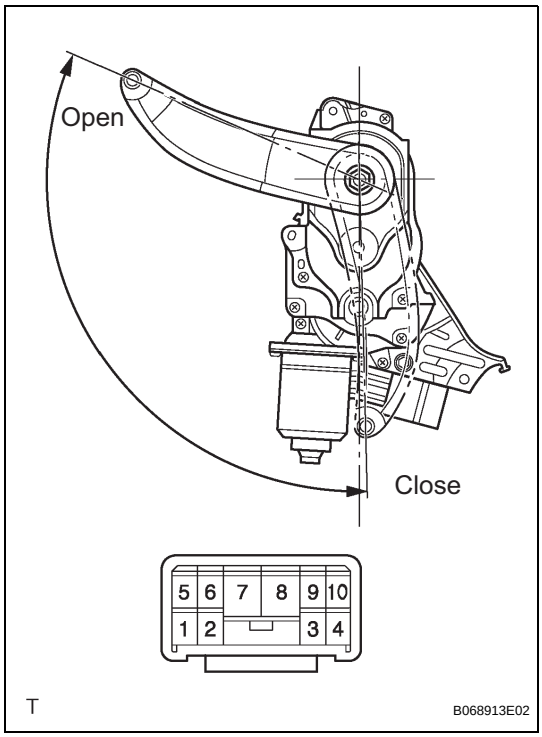
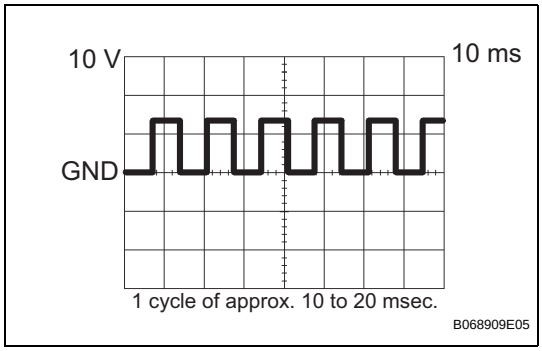




POWER BACK DOOR DRIVE UNIT

INSPECTION

1. INSPECT POWER BACK DOOR DRIVE UNIT

(a) Remove the unit.

(b) Apply battery voltage to the terminals and check the motor operation.

Standard

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

If the result is not as specified, replace the drive unit.

(c) Check the resistance of the clutch terminals.

Resistance

Terminal No.	Specified Condition
3 - 9	4.0 Ω

If the result is not as specified, replace the drive unit.

(d) Reinstall the unit with the connector connected.

(e) Check the pulse of the pulse sensor.

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

Standard (Reference)

Terminal	Tool setting	Vehicle condition
1 - 2, 2 - 5	10 V/DIV., 10 ms/DIV.	Door moving

If the result is not as specified, replace the drive unit.

HINT:

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

(f) With the connector connected, check the voltage of the terminals of the power back door drive unit connector.