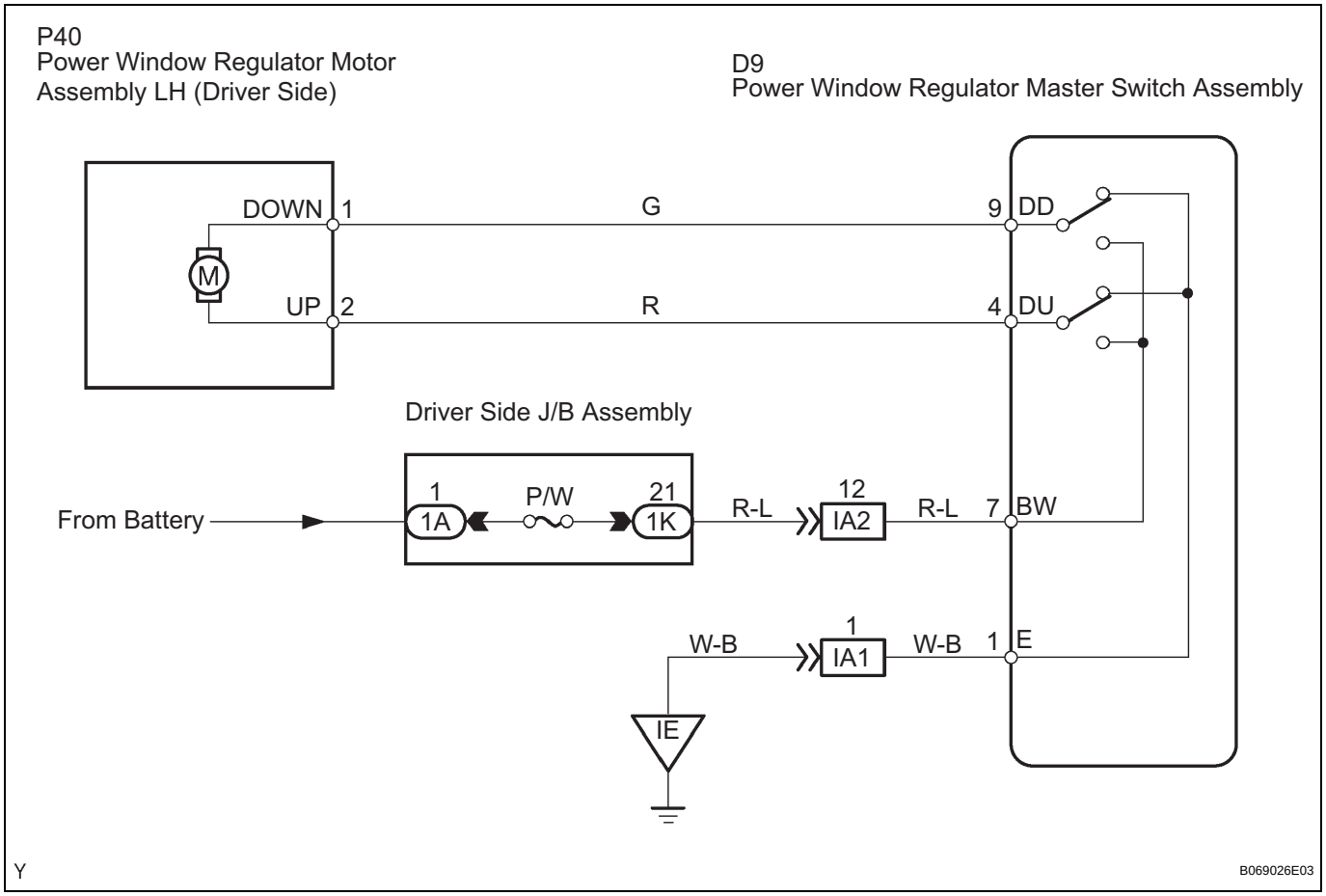
Manual Up / Down and Auto Down Function does not Operate on Driver Side

DESCRIPTION

If the manual UP/DOWN function does not operate, no power may be supplied to the power window master switch or the power window motor. The power window master switch itself or the wire harness may be malfunctioning.

WIRING DIAGRAM



WS

INSPECTION PROCEDURE

1	INSPECT FUSE (P/W)

(a) Remove the fuse from the driver side J/B.
(b) Check the resistance.
Standard resistance:
Below 1 Ω

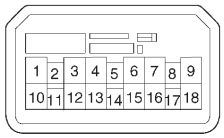
OK → **REPLACE FUSE**

NG

2 CHECK WIRE HARNESS (TERMINAL BW)

Wire Harness Side:

D9
Power Window Regulator Master Switch



B062895E11

(a) Turn the ignition switch ON.
(b) Check the voltage between the terminal of the wire harness side connector and the body ground.

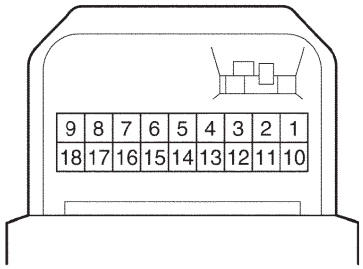
Standard voltage

Terminal No.	Condition	Specified Condition
D9-7 (BW) - Body ground	Ignition switch ON	10 to 14 V

NG → **REPAIR OR REPLACE HARNESS AND CONNECTOR (P/W FUSE - MASTER SWITCH)**

OK

3 INSPECT POWER WINDOW MASTER SWITCH



B060766

(a) Remove the master switch.
(b) Check the resistance between the terminals of the master switch when the AUTO (driver side) switch is operated, as shown in the table below.

Standard resistance

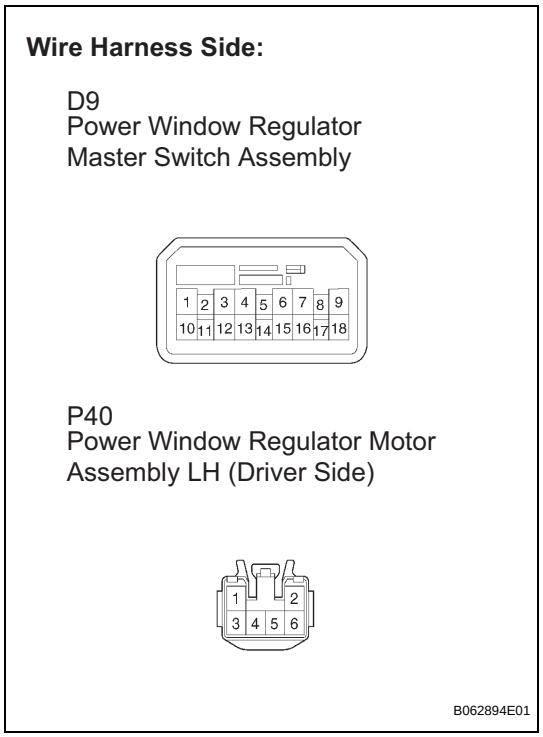
Terminal No.	AUTO Switch	Specified Condition
1 - 9, 4 - 7	UP	Below 1 Ω
1 - 4 - 9	OFF	
1 - 4, 7 - 9	DOWN	

NG → **REPLACE POWER WINDOW MASTER SWITCH**

OK

WS

4	**CHECK WIRE HARNESS (MASTER SWITCH - MOTOR) (MASTER SWITCH - BODY GROUND))**

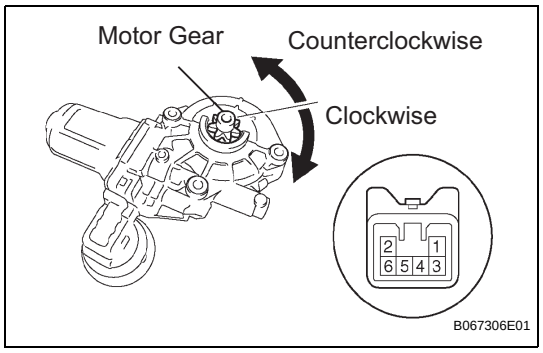


(a) Disconnect the D9 master switch connector.
(b) Disconnect the P40 motor connector.
(c) Check the resistance between the wire harness side connectors.
Standard resistance

Terminal No.	Specified Condition
D9-9 (DD) - P40-1 (DOWN)	Below 1 Ω
D9-4 (DU) - P40-2 (UP)	

(d) Check the resistance between the D9 master switch connector and body ground.
Standard resistance

Terminal No.	Specified Condition
D9-9 (DD) - Body ground	10 kΩ or higher
D9-4 (DU) - Body ground	



(e) Reference:
Check operation of the power window motor (driver side).
(1) Remove the motor.
(2) Apply battery voltage to connector terminals 1 and 2.
(3) Check that the motor smoothly rotates.
NOTICE:
Do not apply battery voltage to any terminals except terminals 1 and 2.
Standard

Terminal No.	Specified Condition
Battery positive (+) → 1 Battery negative (-) → 2	Motor gear rotates counterclockwise
Battery positive (+) → 2 Battery negative (-) → 1	Motor gear rotates clockwise

WS

NG → **REPAIR OR REPLACE HARNESS AND CONNECTOR**

OK

REPLACE POWER WINDOW REGULATOR MOTOR ASSEMBLY (DRIVER SIDE)