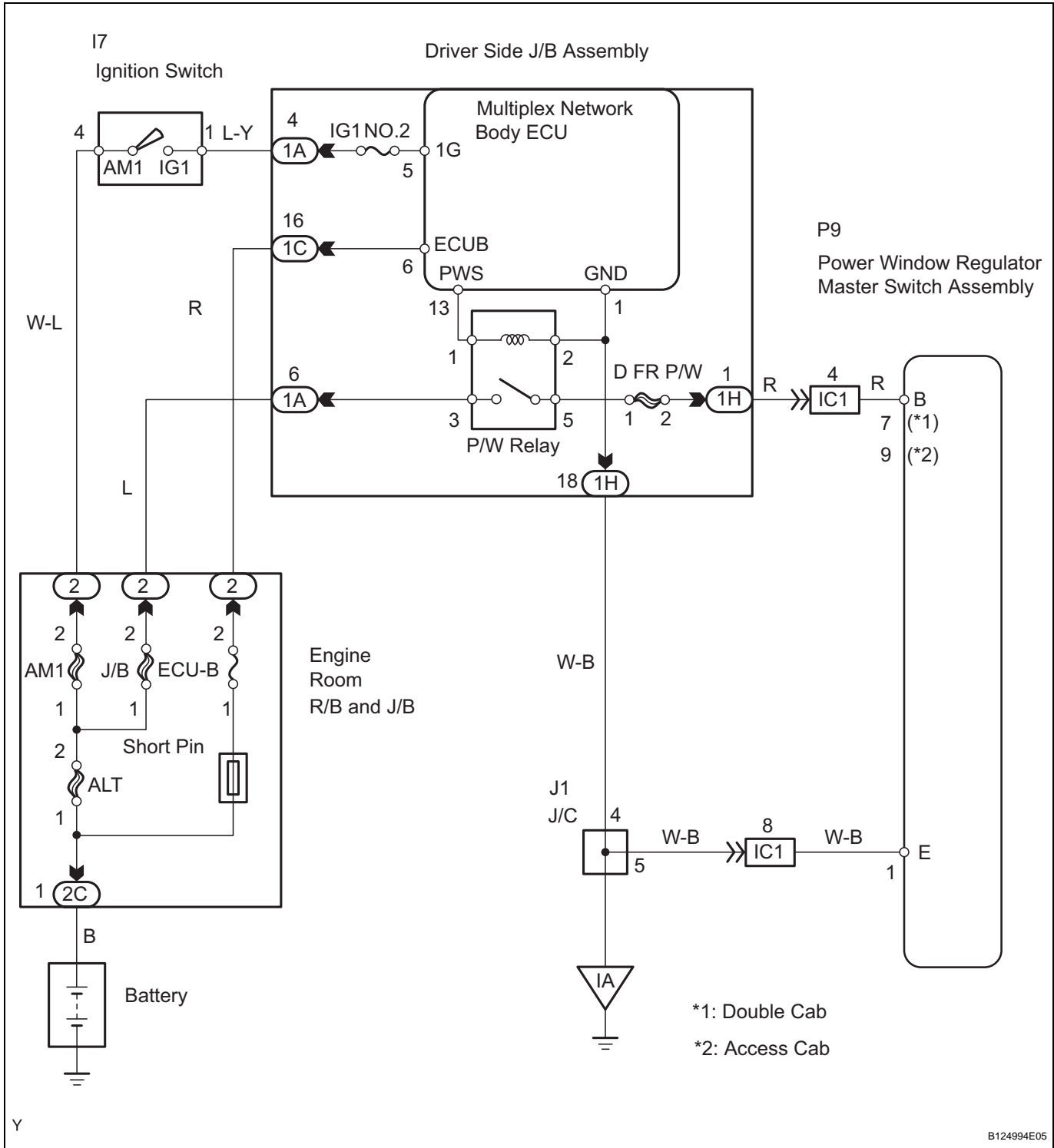


## Power Windows do not Operate at All

### DESCRIPTION

If none of the door windows operate, there may be a failure in the supply of power to the power window regulator master switch assembly, or the power window regulator master switch itself may be malfunctioning.

### WIRING DIAGRAM



**1 INSPECT FUSE (D FR P/W, IG1 NO.2, ECU-B, AM1, J/B)**

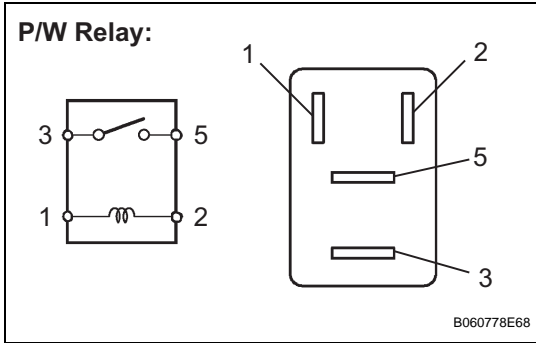
- (a) Remove the D FR P/W and IG1 No.2 fuses from the driver side J/B.
- (b) Remove the ECU-B, AM1 and J/B fuses from the engine room R/B.
- (c) Measure the resistance.  
**Standard resistance:**  
**Below 1 Ω**
- (d) Reinstall the D FR P/W and IG1 No.2 fuses.
- (e) Reinstall the ECU-B, AM1 and J/B fuses.

WS

**NG** → **REPLACE FUSE**

**OK**

**2 INSPECT RELAY (P/W)**



- (a) Remove the P/W relay from the driver side J/B.
- (b) Measure the resistance.  
**Standard voltage**

Tester Connection	Specified Condition
3 - 5	10 kΩ or higher
3 - 5	Below 1 Ω (when battery voltage is applied to terminals 1 and 2)

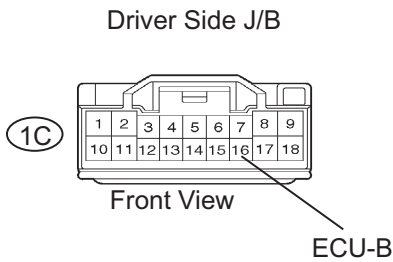
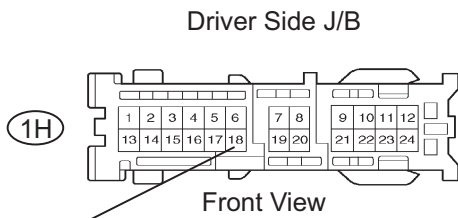
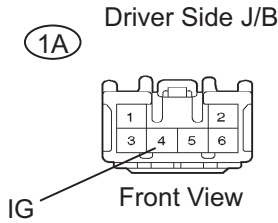
- (c) Reinstall the P/W relay.

**NG** → **REPLACE RELAY**

**OK**

**3 CHECK HARNESS AND CONNECTOR (FOR POWER SOURCE OF DRIVER SIDE J/B ASSEMBLY)**

**Wire Harness Side:**



Y

B087984E01

**OK**

- (a) Disconnect the 1A, 1C, and 1H driver side J/B connectors.
- (b) Measure the voltage and resistance.

**Standard voltage**

Tester Connection	Condition	Specified Condition
1A-6 - Body ground	Constant	10 to 14 V
1C-16 (ECU-B) - Body ground	Constant	10 to 14 V
1A-4 (IG) - Body ground	Ignition switch ON	10 to 14 V

**Standard resistance**

Tester Connection	Condition	Specified Condition
1H-18 (GND) - Body ground	Constant	Below 1 Ω

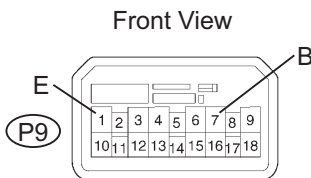
- (c) Reconnect the driver side J/B connectors.

**NG** **REPAIR OR REPLACE HARNESS OR CONNECTOR**

**4 CHECK HARNESS AND CONNECTOR (POWER WINDOW REGULATOR MASTER SWITCH ASSEMBLY - BODY GROUND)**

**Wire Harness Side (Double Cab):**

Power Window Regulator Master Switch



B062895E08

- (a) Disconnect the P9 power window regulator master switch connector.
- (b) Measure the voltage or resistance.

**Standard voltage:**

**Double cab**

Tester Connection	Condition	Specified Condition
P9-7 (B) - Body ground	Ignition switch ON	10 to 14 V

**Access cab**

Tester Connection	Condition	Specified Condition
P9-9 (B) - Body ground	Ignition switch ON	10 to 14 V

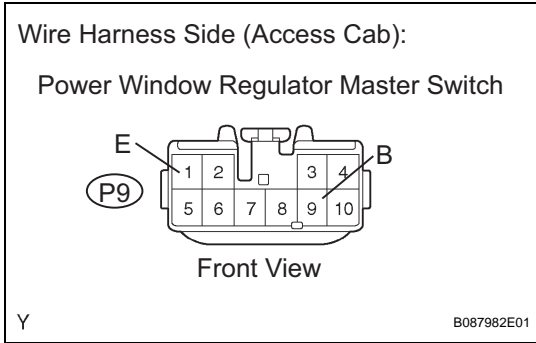
**Standard resistance:**

**Double cab**

Tester Connection	Condition	Specified Condition
P9-1 (E) - Body ground	Constant	Below 1 Ω

**Access cab**

Tester Connection	Condition	Specified Condition
P9-1 (E) - Body ground	Constant	Below 1 Ω

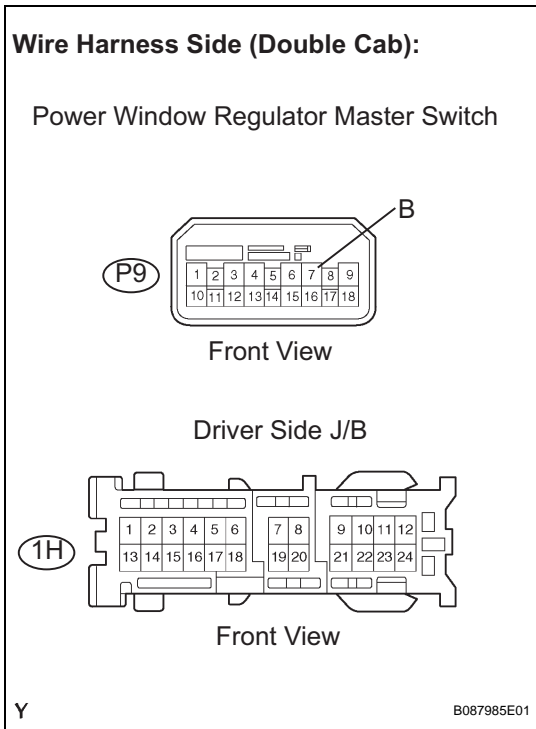


- (c) Reconnect the power window regulator master switch connector.

**OK** REPLACE POWER WINDOW REGULATOR MASTER SWITCH ASSEMBLY

**NG**

**5 CHECK HARNESS AND CONNECTOR (DRIVER SIDE J/B - POWER WINDOW REGULATOR MASTER SWITCH)**



- (a) Disconnect the 1H driver side J/B connectors.  
(b) Disconnect the P9 power window regulator master switch connector.  
(c) Measure the resistance.

**Standard resistance (Double cab)**

Tester Connection	Specified Condition
1H-1 - P9-7 (B)	Below 1 Ω

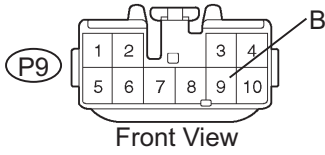
**Standard resistance (Access cab)**

Tester Connection	Specified Condition
1H-1 - P9-9 (B)	Below 1 Ω

- (d) Reconnect the driver side J/B connector.

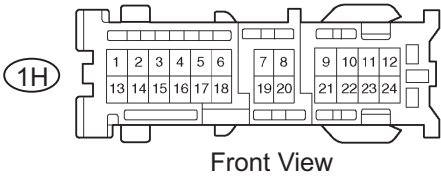
Wire Harness Side (Access Cab):

Power Window Regulator Master Switch



Front View

Driver Side J/B



Front View

Y

B087986E01

(e) Reconnect the power window regulator master switch connector.

NG

**REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

**REPLACE DRIVER SIDE JUNCTION BLOCK**

WS