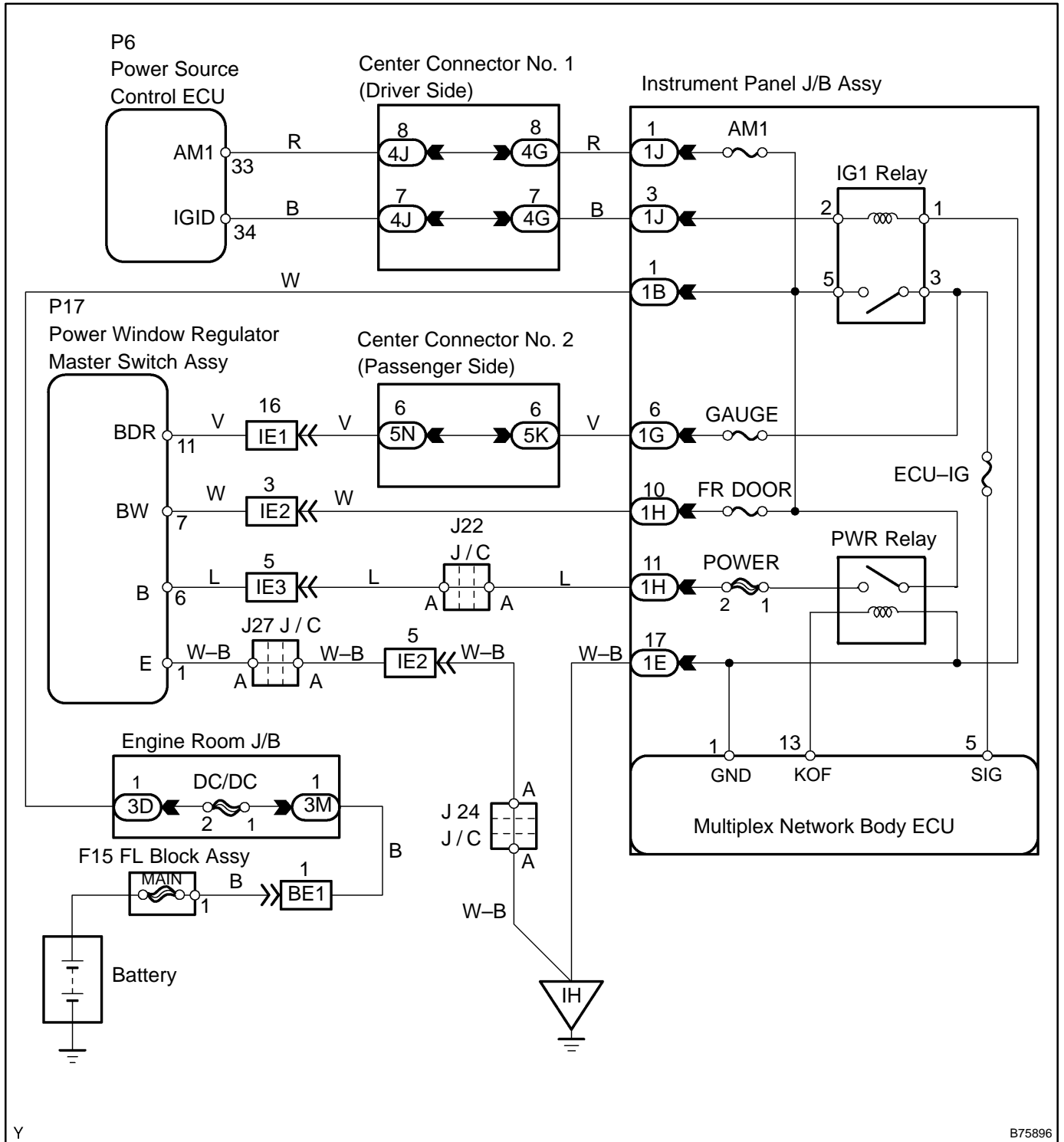


POWER WINDOWS DO NOT OPERATE AT ALL

CIRCUIT DESCRIPTION

If all of the power windows do not operate, the power window regulator master switch assembly may have no power or may be malfunctioning.

WIRING DIAGRAM



Y

B75896

INSPECTION PROCEDURE

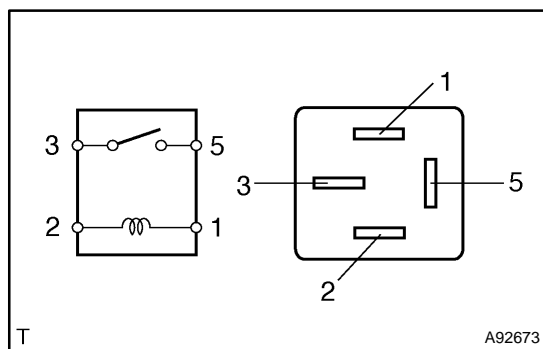
1 INSPECT FUSE (AM1, GAUGE, FR DOOR, ECU-IG, POWER)

- (a) Remove the AM1, GAUGE, FR DOOR, ECU-IG and POWER fuses from the instrument panel J/B assy.
- (b) Measure the resistance.
Standard: Below 1 Ω

NG → REPLACE FUSE

OK

2 INSPECT RELAY (IG1)



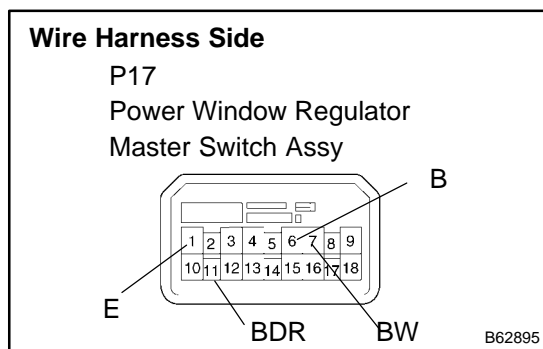
- (a) Remove the IG1 relay from the instrument panel J/B assy.
- (b) Measure the resistance.
Standard:

Terminal No.	Specified Condition
3 - 5	10 kΩ or higher
3 - 5	Below 1 Ω (when battery voltage is applied to terminals 1 and 2)

NG → REPLACE RELAY

OK

3 CHECK WIRE HARNESS (POWER WINDOW REGULATOR MASTER SWITCH ASSY - BODY GROUND)



- (a) Disconnect the P17 master switch connector.
- (b) Measure the voltage or resistance of the wire harness side connector.
Standard:

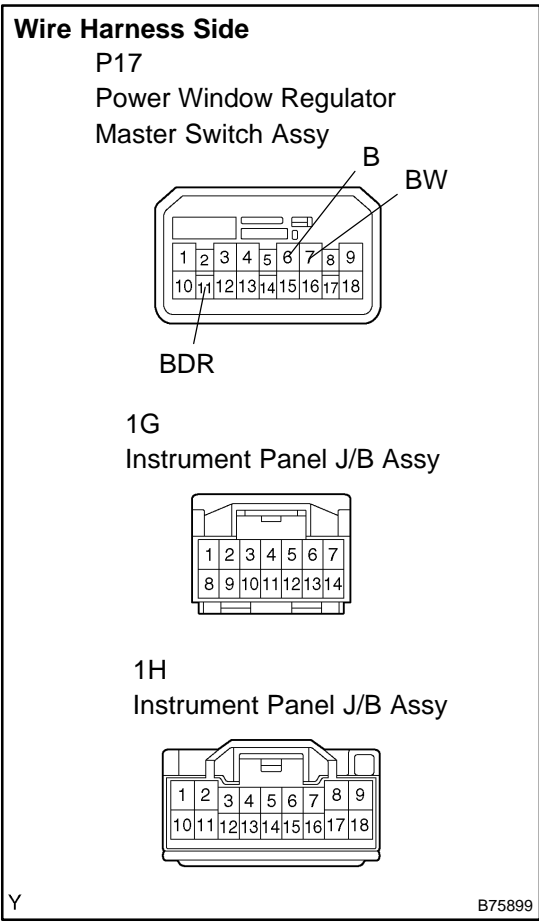
Tester Connection	Condition	Specified Condition
P17-6 (B) - Body ground	Power switch ON (IG)	10 to 14 V
P17-7 (BW) - Body ground	Constant	10 to 14 V
P17-11 (BDR) - Body ground	Power switch ON (IG)	10 to 14 V
P17-1 (E) - Body ground	Constant	Below 1 Ω

NG → Go to step 4

OK

REPLACE POWER WINDOW REGULATOR MASTER SWITCH ASSY

4 CHECK WIRE HARNESS (INSTRUMENT PANEL J/B ASSY - POWER WINDOW REGULATOR MASTER SWITCH ASSY)



- (a) Disconnect the 1G and 1H J/B connectors.
- (b) Disconnect the P17 master switch connector.
- (c) Measure the resistance of the wire harness side connectors.

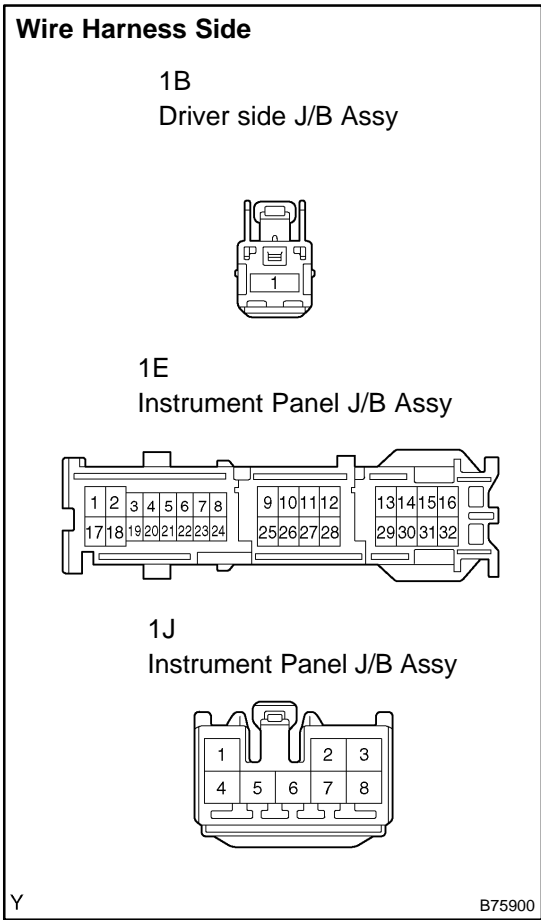
Standard:

Tester Connection	Specified Condition
1G-6 - P17-11 (BDR)	Below 1 Ω
1H-10 - P17-7 (BW)	Below 1 Ω
1H-11 - P17-6 (B)	Below 1 Ω
1G-6 - Body ground	10 kΩ or higher
1H-10 - Body ground	10 kΩ or higher
1H-11 - Body ground	10 kΩ or higher

NG REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

5 CHECK WIRE HARNESS (FOR POWER SOURCE OF INSTRUMENT PANEL J/B ASSY)



- (a) Disconnect the 1B, 1E and 1J J/B connectors.
- (b) Measure the voltage and resistance of the wire harness side connectors.

Standard:

Tester Connection	Condition	Specified Condition
1B-1 - Body ground	Constant	10 to 14 V
1E-17 - Body ground	Constant	Below 1 Ω
1J-3 - Body ground	Power switch ON (IG)	10 to 14 V
1J-1 - Body ground	Constant	10 to 14 V

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

OK

REPLACE INSTRUMENT PANEL J/B ASSY