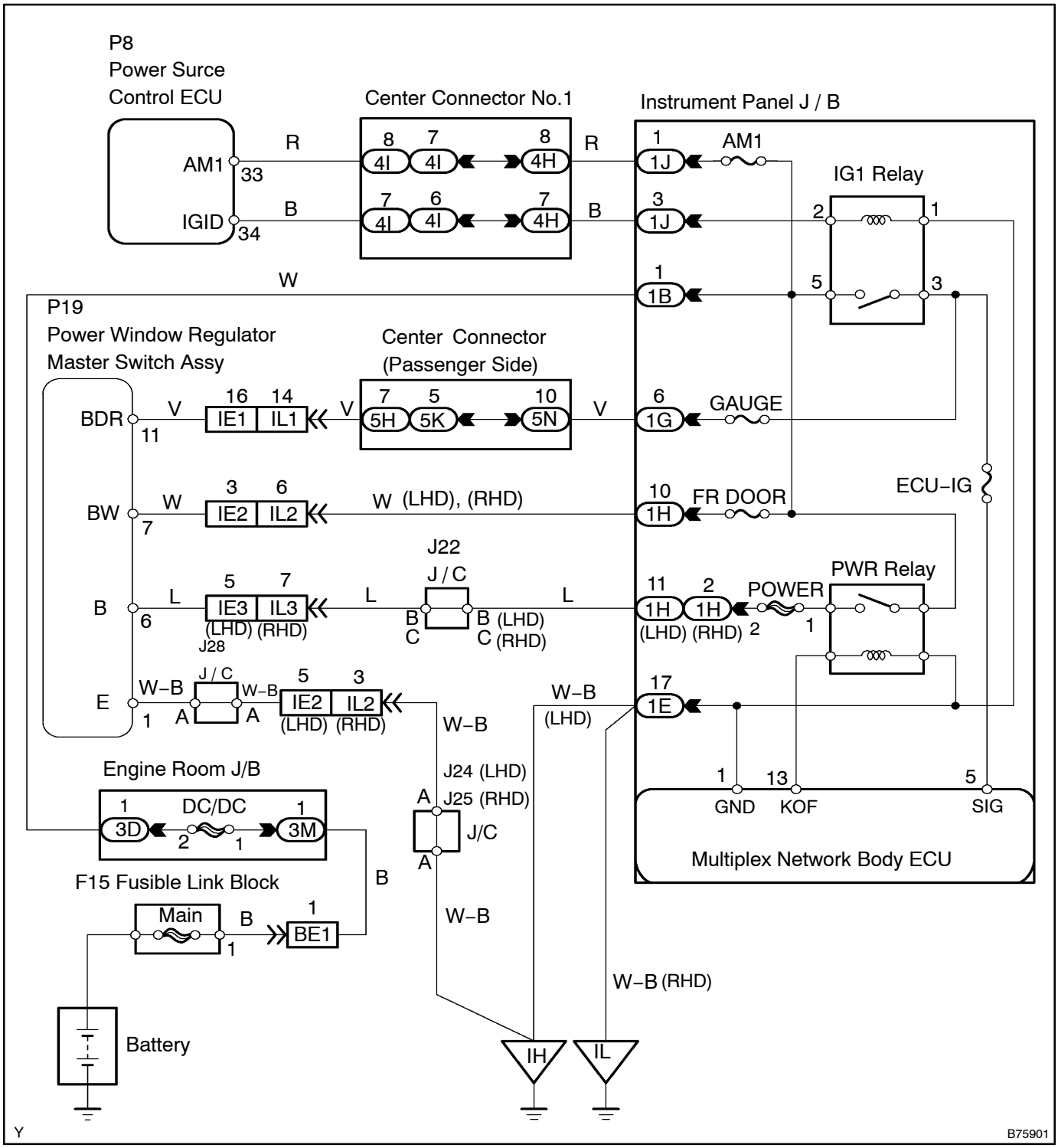
POWER WINDOWS DO NOT OPERATE AT ALL

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



INSPECTION PROCEDURE

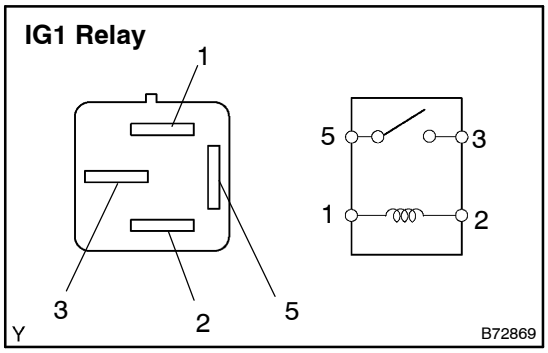
1 INSPECT FUSE (AM1, GAUGE, FR DOOR, ECU–IG, POWER)

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

NG → **REPLACE FUSE**

OK

2 INSPECT RELAY (IG1)



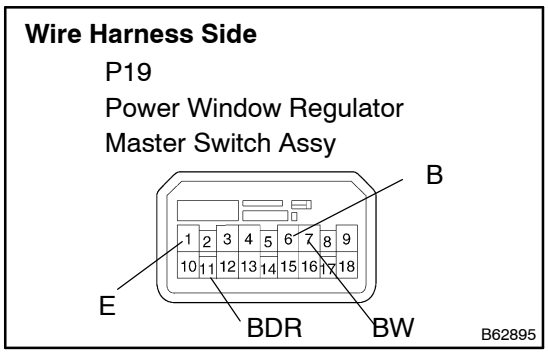
(a) Remove the IG1 and relays from the Instrument Panel J/B.
(b) Measure the resistance.
Standard:

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 P19 master switch connector.
(b) Measure the voltage or resistance between each terminal of the wire harness side connector and body ground.
Standard:

Tester Connection	Condition	Specified Condition
P19–6 (B) – Body ground	Power switch's power mode ON (IG)	10 to 14 V
P19–7 (BW) – Body ground	Constant	10 to 14 V
P19–11 (BDR) – Body ground	Power switch's power mode ON (IG)	10 to 14 V
P19–1 (E) – Body ground	Constant	Below 1 Ω

NG → **Go to step 4**

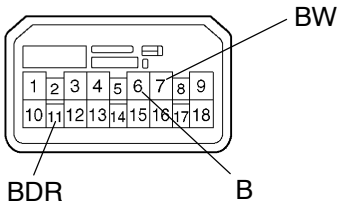
OK

REPLACE POWER WINDOW REGULATOR MASTER SWITCH ASSY

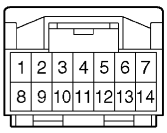
4	CHECK WIRE HARNESS (INSTRUMENT PANEL J/B ASSY – POWER WINDOW REGULATOR MASTER SWITCH ASSY)

Wire Harness Side

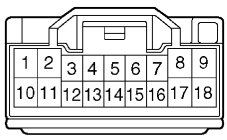
P19
Power Window Regulator
Master Switch Assy



1G
Instrument Panel J/B Assy



1H
Instrument J/B Assy



Y B75899

(a) Disconnect the 1G and 1H J/B connectors.
(b) Disconnect the P19 master switch connector.
(c) Measure the resistance between the wire harness side connectors.

Standard:

Tester Connection	Specified Condition
1G–6 – P19–11 (BDR)	Below 1 Ω
1H–10 – P19–7 (BW)	Below 1 Ω
1H–11 – P19–6 (B)*1	Below 1 Ω
1H–2 – P19–6 (B)*2	Below 1 Ω

HINT:
*1: LHD
*2: RHD

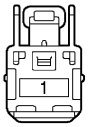
NG → **REPAIR OR REPLACE HARNESS AND CONNECTOR**

OK

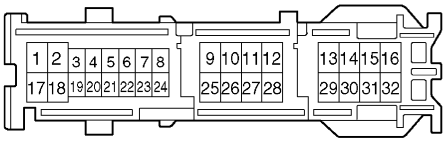
5	CHECK WIRE HARNESS (FOR POWER SOURCE OF INSTRUMENT PANEL J/B ASSY)

Wire Harness Side

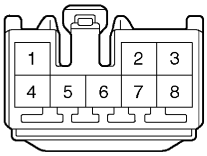
1B
Instrument Panel J/B Assy



1E
Instrument Panel J/B Assy



1J
Instrument Panel J/B Assy



Y B75900

(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 JUNCTION BLOCK ASSY