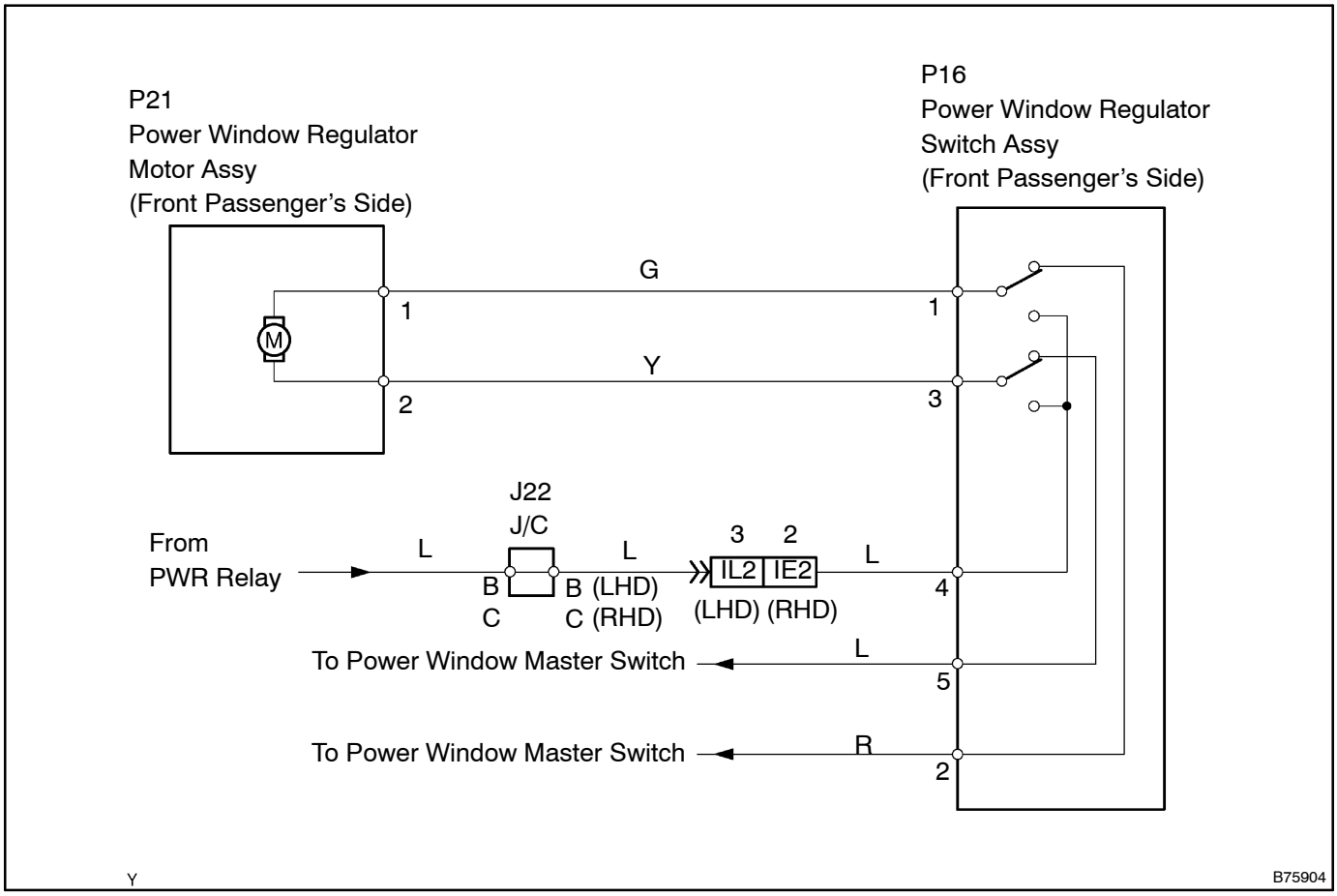
MANUAL UP/DOWN FUNCTION DOES NOT OPERATE ON PASSENGER SIDE ONLY

CIRCUIT DESCRIPTION

If the passenger side manual UP/DOWN function does not operate, a malfunction may be present in the power window regulator motor assembly front passenger's side, the power window regulator switch assembly or the wire harness may be malfunctioning.

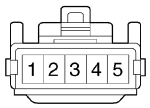
WIRING DIAGRAM



INSPECTION PROCEDURE

1	CHECK POWER WINDOW REGULATOR SWITCH ASSY ON FRONT PASSENGER SIDE (B VOLTAGE)

Wire Harness Side
P16
Power Window Regulator
Switch Assy (Front Passenger's Side)



B62901

(a) Disconnect the P16 regulator switch connector.
(b) Turn the power switch ON (IG).
(c) Measure the voltage between terminal 4 of the wire harness side connector and body ground.

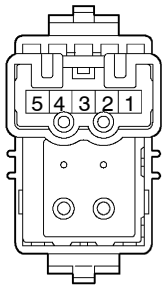
Standard:

Tester Connection	Condition	Specified Condition
P16–4 – Body ground	Power switch ON (IG)	10 to 14 V

NG → **REPAIR OR REPLACE HARNESS AND CONNECTOR (INSTRUMENT PANEL J/B ASSY – POWER WINDOW REGULATOR SWITCH)**

OK

2	INSPECT POWER WINDOW REGULATOR SWITCH ASSY ON FRONT PASSENGER SIDE (SWITCH OPERATION)



Y B63163

(a) Remove the regulator switch.
(b) Disconnect the P16 switch connector.
(c) Measure the resistance between the terminals of the connector when the switch is operated.

Standard:

Tester Connection	Regulator Switch	Specified Condition
P16–1 – P16–2 P16–3 – P16–4	UP	Below 1 Ω
P16–1 – P16–2 P16–3 – P16–5	OFF	Below 1 Ω
P16–1 – P16–4 P16–3 – P16–5	DOWN	Below 1 Ω

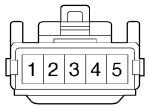
NG → **REPLACE POWER WINDOW REGULATOR SWITCH ASSY**

OK

3	CHECK WIRE HARNESS (POWER WINDOW REGULATOR SWITCH ASSY ON FRONT PASSENGER SIDE – POWER WINDOW REGULATOR MOTOR ASSY ON FRONT PASSENGER SIDE AND BODY GROUND)

Wire Harness Side

P16
Power Window Regulator
Switch Assy (Front Passenger's Side)



P21
Power Window Regulator
Motor Assy (Front Passenger's Side)



B63164

(a) Disconnect the P16 switch connector.
(b) Disconnect the P21 motor connector.
(c) Measure the resistance of the wire harness side connectors.

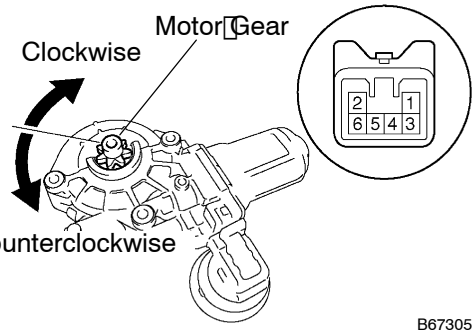
Standard:

Tester Connection	Specified Condition
P16–1 – P21–1	Below 1 Ω
P16–3 – P21–2	Below 1 Ω
P16–1 – Body ground	10 kΩ or higher
P16–3 – Body ground	10 kΩ or higher

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

OK

4	INSPECT POWER WINDOW REGULATOR MOTOR ASSY ON FRONT PASSENGER SIDE



B67305

(a) Remove the motor (see page 75–9).
(b) Apply battery voltage to connector terminals 1 and 2.
(c) Check that the motor smoothly rotates.

NOTICE:
Do not apply battery voltage to any terminals except terminals 1 and 2.

OK:

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

NG → **REPLACE POWER WINDOW REGULATOR MOTOR ASSY FRONT ON PASSENGER SIDE**

OK

REPAIR OR REPLACE HARNESS AND CONNECTOR (POWER WINDOW REGULATOR MASTER SWITCH ASSY – POWER WINDOW REGULATOR SWITCH ASSY ON FRONT PASSENGER SIDE)