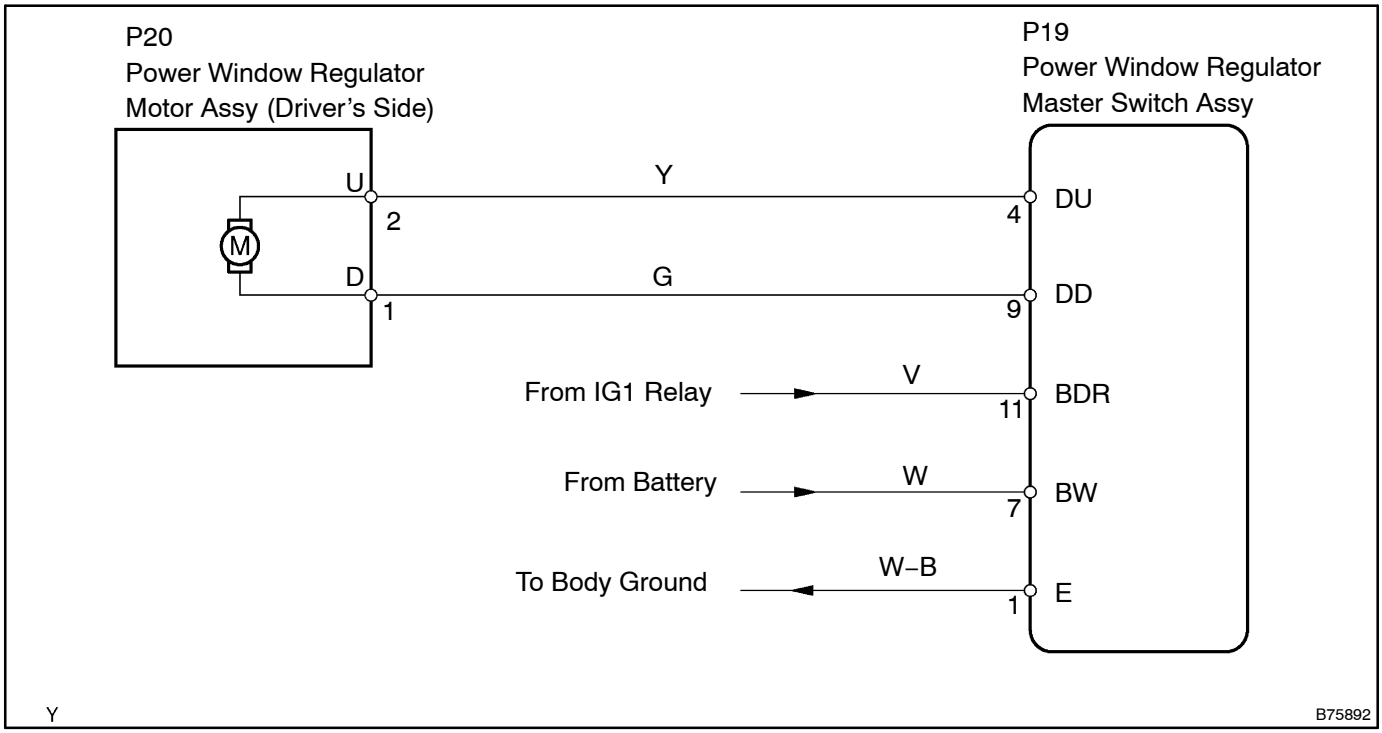
# MANUAL UP/DOWN FUNCTION DOES NOT OPERATE ON DRIVER SIDE

## CIRCUIT DESCRIPTION

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

## WIRING DIAGRAM

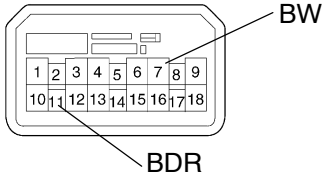



## INSPECTION PROCEDURE

| 1 | CHECK POWER WINDOW REGULATOR MASTER SWITCH ASSY |
|---|---|

**Wire Harness Side**

P19
Power Window Regulator
Master Switch Assy




(a) Turn the power switch ON (IG).
(b) Measure the voltage between the terminals of the wire harness side connector and body ground.

**Standard:**

| Tester Connection | Condition | Specified Condition |
|---|---|---|
| P19–7 (BW) – Body ground | Constant | 10 to 14 V |
| P19–11 (BDR) – Body ground | Power switch ON (IG) | 10 to 14 V |

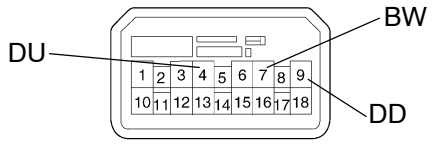
**NG** → **REPAIR OR REPLACE HARNESS AND CONNECTOR (INSTRUMENT PANEL J/B ASSY – POWER WINDOW MASTER SWITCH)**

**OK**

## 2 CHECK POWER WINDOW REGULATOR MOTOR ASSY (DRIVER'S SIDE)

**Wire Harness Side**

P19
Power Window Regulator
Master Switch Assy




B62895

(a) Disconnect the P19 master switch connector.
(b) Using a service wire, connect the terminals according to the table below.
(c) Check operation of the power window regulator motor assy.

**OK:**

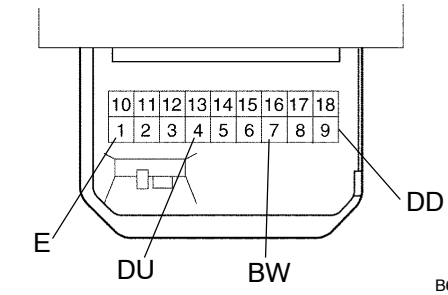
| Connection | Specified Condition |
|---|---|
| P19–4 (DU) – P19–7 (BW)<br>P19–9 (DD) – Body ground | Power window moves UP |
| P19–4 (DU) – Body ground<br>P19–7 (BW) – P19–9 (DD) | Power window moves DOWN |

**NG** → **Go to step 3**

**OK**

**REPLACE POWER WINDOW REGULATOR MASTER SWITCH ASSY**

## 3 INSPECT POWER WINDOW REGULATOR MASTER SWITCH ASSY (SWITCH OPERATION)




B62896

(a) Remove the master switch.
(b) Disconnect the P19 master switch connecter.
(c) Measure the resistance between the terminals of the connector when the switch is operated.

**Standard:**

| Tester Connection | AUTO Switch | Specified Condition |
|---|---|---|
| P19–1 (E) – P19–9 (DD)<br>P19–4 (DU) –<br>P19–7 (BW) | UP | Below 1 Ω |
| P19–1 (E) – P19–4 (DU)<br>P19–1 (E) – P19–9 (DD) | OFF | Below 1 Ω |
| P19–1 (E) – P19–4 (DU)<br>P19–7 (BW) –<br>P19–9 (DD) | DOWN | Below 1 Ω |

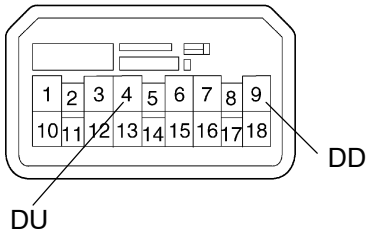
**NG** → **REPLACE POWER WINDOW REGULATOR MASTER SWITCH ASSY**

**OK**

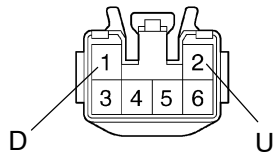
| 4 | CHECK WIRE HARNESS (POWER WINDOW REGULATOR MASTER SWITCH ASSY – POWER WINDOW REGULATOR MOTOR ASSY AND BODY GROUND) |
|---|---|

**Wire Harness Side**

P19
Power Window Regulator
Master Switch Assy




P20
Power Window Regulator
Motor Assy (Driver's Side)




B52069

(a) Disconnect the P19 master switch connector.
(b) Disconnect the P20 motor connector.
(c) Measure the resistance of the wire harness side connectors.

**Standard:**

| Tester Connection | Specified Condition |
|---|---|
| P19–9 (DD) – P20–1 (D) | Below 1 Ω |
| P19–4 (DU) – P20–2 (U) | Below 1 Ω |
| P19–9 (DD) – Body ground | 10 kΩ or higher |
| P19–4 (DU) – Body ground | 10 kΩ or higher |

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

**OK**

**REPLACE POWER WINDOW REGULATOR MOTOR ASSY (DRIVER'S SIDE)**