

REMOTE OPERATION VIA MASTER SWITCH IS IMPOSSIBLE IN THE OTHER DOOR (OPERATION VIA EACH DOOR SWITCH IS POSSIBLE)

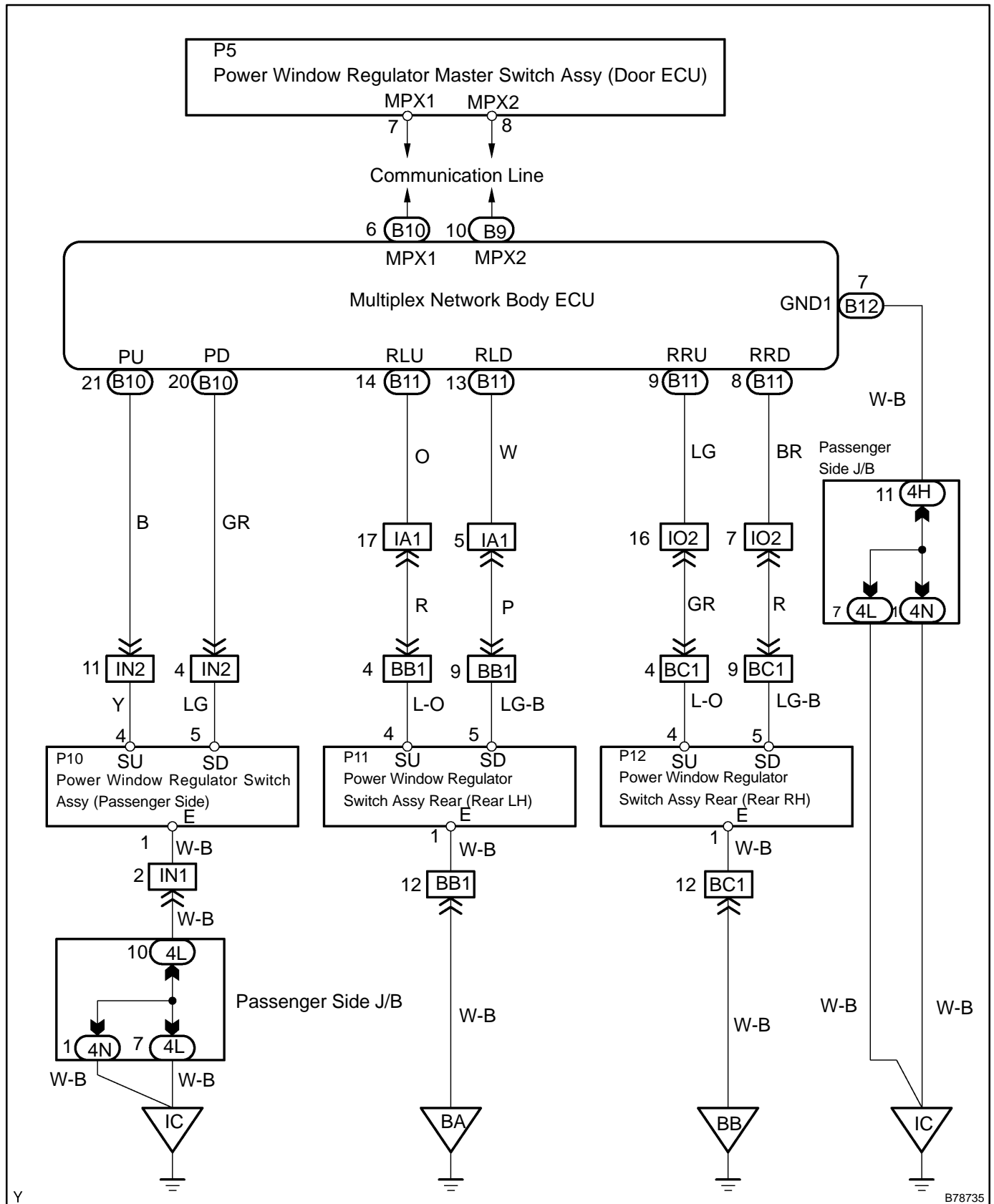
CIRCUIT DESCRIPTION

When the ignition switch is ON, the master switch (door ECU) sends a remote switch signal for the other seats multiply to the body ECU, then the body ECU drives the power window motor for the other seats.

NOTICE:

The power window system has a function with a large-scale multiplex communications. First of all, inspect the communication function depending on the "how to proceed with troubleshooting", and check that there is no abnormality in the communication system. Then finally proceed with the troubleshooting.

WIRING DIAGRAM



INSPECTION PROCEDURE**1 CHECK HAND-HELD TESTER**

(a) Monitor code

(1) Using the hand-held tester, inspect the monitor code of the door ECU.

HINT:

- The monitor code shows the switch condition when a DTC is output.
- When a monitor code is indicated while the switch is not operated, the switch is detected in being stuck. When a monitor code is not indicated while the switch is operated, it is detected that the switch contact condition is bad.

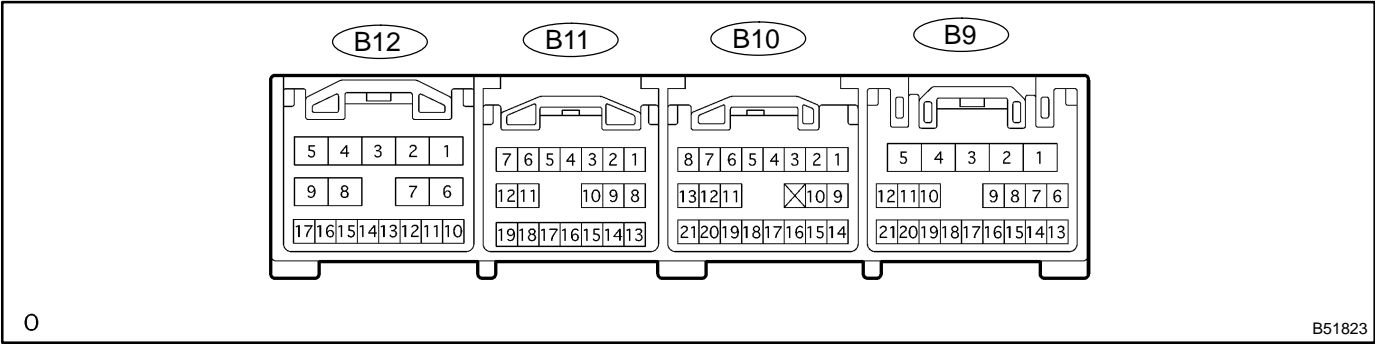
DTC Code	Item	Monitor Item
B1221/21	Driver's side switch 1 (operating)	Any switch of the power window regulator master switch is ON

NG**Go to step 3****OK**

2

CHECK MULTIPLEX NETWORK BODY ECU

- (a) Inspect the output of the body ECU.
- (1) Inspect the voltage between terminal 7 (GND1) and each terminal of the door which body ECU is inoperative.



Standard:

Symbols (Terminal No.)	Condition	Specified Condition
PU (B10-21) ⇔ GND1 (B12-7)	Ignition switch ON, master switch passenger side switch OFF → UP (manual operation)	0 V → 10 - 14 V
PD (B10-20) ⇔ GND1 (B12-7)	Ignition switch ON, master switch passenger side switch OFF → DOWN (manual operation)	0 V → 10 - 14 V
RRU (B11-9) ⇔ GND1 (B12-7)	Ignition switch ON, master switch rear RH side switch OFF → UP (manual operation)	0 V → 10 - 14 V
RRD (B11-8) ⇔ GND1 (B12-7)	Ignition switch ON, master switch rear RH side switch OFF → DOWN (manual operation)	0 V → 10 - 14 V
RLU (B11-14) ⇔ GND1 (B12-7)	Ignition switch ON, master switch rear LH side switch OFF → UP (manual operation)	0 V → 10 - 14 V
RLD (B11-13) ⇔ GND1 (B12-7)	Ignition switch ON, master switch rear LH side switch OFF → DOWN (manual operation)	0 V → 10 - 14 V

HINT:

- When an output to the passenger door is normal, proceed to OK-A.
- When outputs to both rear doors are normal, proceed to OK-B.
- When an output to either of the passenger door and both rear doors are abnormal, proceed to NG.

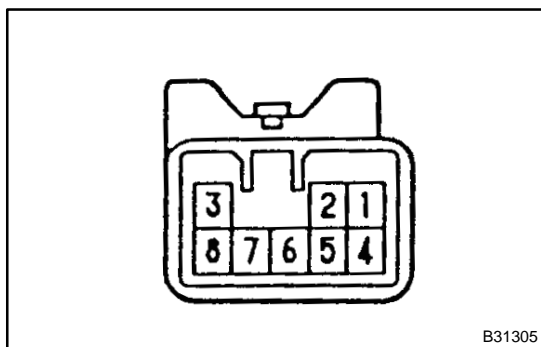
OK-B

Go to step 4

NG

REPLACE MULTIPLEX NETWORK BODY ECU

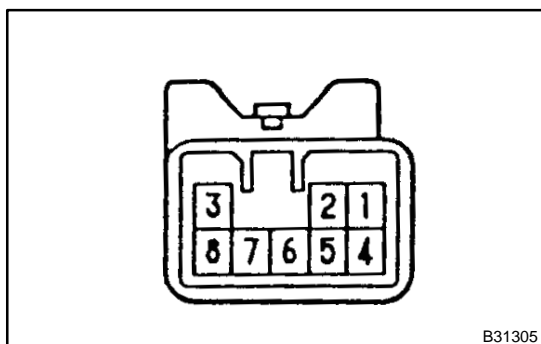
OK-A

3 CHECK POWER WINDOW REGULATOR SWITCH ASSY (PASSENGER SIDE)

- (a) Check the continuity.
- (1) Check the continuity between each terminal of the connectors.

Standard:

Switch Operation	Measuring Condition	Specified Condition
Not operated	Terminal 4 ⇔ Terminal 1	Continuity
Not operated	Terminal 5 ⇔ Terminal 1	Continuity

OK**REPAIR OR REPLACE HARNESS AND CONNECTOR****NG****REPLACE POWER WINDOW REGULATOR SWITCH ASSY****4 CHECK POWER WINDOW REGULATOR SWITCH ASSY REAR (REAR RH AND LH)**

- (a) Check the continuity.
- (1) Check the continuity between each terminal of the connectors.

Standard:

Switch Operation	Measuring Condition	Specified Condition
Not operated	Terminal 4 ⇔ Terminal 1	Continuity
Not operated	Terminal 5 ⇔ Terminal 1	Continuity

OK**REPAIR OR REPLACE HARNESS AND CONNECTOR****NG****REPLACE POWER WINDOW REGULATOR SWITCH ASSY REAR**