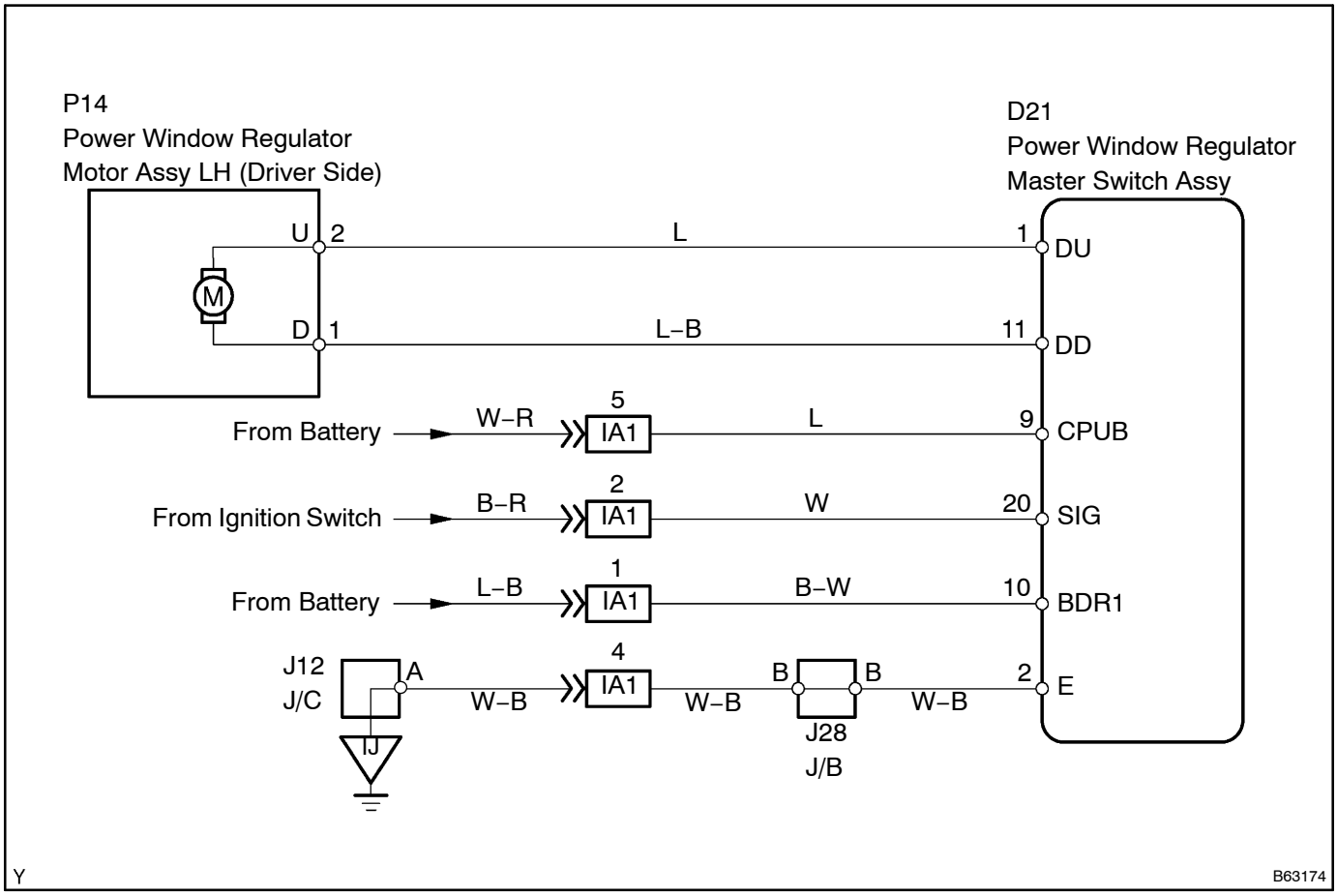
MANUAL UP/DOWN FUNCTION DOES NOT OPERATE AT DRIVER SIDE (LHD MODELS)

CIRCUIT DISCRIPTION

If the manual UP/DOWN function does not operate, any of the power window motor, the power window master switch and the wire harness may be abnormal.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	CHECK POWER WINDOW REGULATOR MASTER SWITCH ASSY

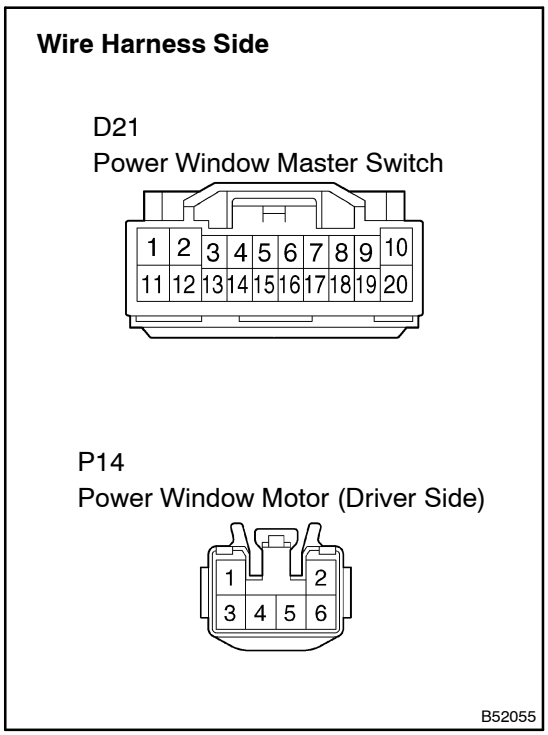
(a) Using the hand–held tester, check operation of the master switch using the data list.
Standard:
Data list in D–DOOR ECU:

Measurement Item	Label	Parameter
Driver switch on master switch	P/W AUTO SW	ON/OFF

NG → **Go to step 3**

OK

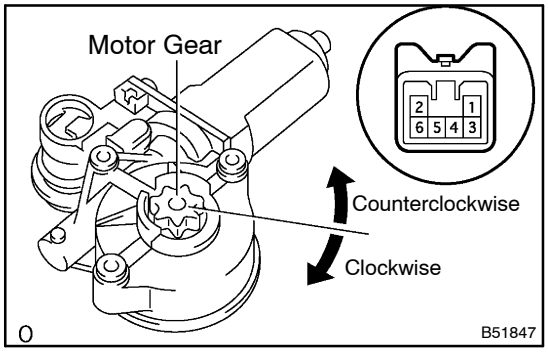
2 CHECK HARNESS AND CONNECTOR (MASTER SWITCH ⇔ MOTOR)



(a) Disconnect the D21 master switch connector.
(b) Remove the front door trim LH.
(c) Disconnect the P14 power window motor connector.
(d) Check the continuity between the wire harness side connectors.

Standard:

Terminal No.	Specified Condition
D21–11 ⇔ P14–1	Continuity
D21–1 ⇔ P14–2	Continuity
D21–1 ⇔ Body ground	No continuity
D21–11 ⇔ Body ground	No continuity



(e) Reference:
Check operation of the power window motor (driver side).
(1) Remove the motor (See page 75–12).
(2) Apply battery voltage to the connector between terminals 1 and 2.
(3) Check that the motor rotates smoothly.

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

Standard:

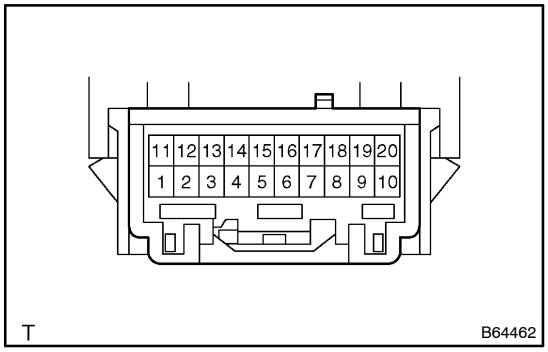
Terminal No.	Motor Gear Rotation
Battery positive voltage → 2 Battery negative voltage → 1	Clockwise
Battery positive voltage → 1 Battery negative voltage → 2	Counterclockwise

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

OK

REPLACE POWER WINDOW REGULATOR MOTOR ASSY LH (DRIVER SIDE)

3	INSPECT POWER WINDOW REGULATOR MASTER SWITCH ASSY (FOR GROUND)

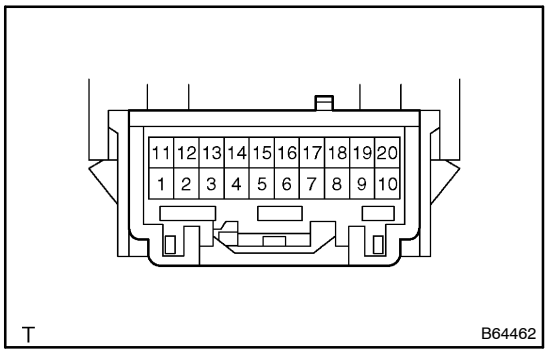


(a) Remove the master switch (the connector is connected).
(b) Check the continuity between terminal 2 and the body ground.
Standard: Continuity

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

OK

4	INSPECT POWER WINDOW REGULATOR MASTER SWITCH ASSY (FOR POWER SOURCE)



(a) Check the voltage between the terminals.
Standard:

Terminal No.	Condition	Specified Condition
9 ⇔ 2	Constant	10 – 14 V
20 ⇔ 2	Ignition ON	10 – 14 V
10 ⇔ 2	Constant	10 – 14 V

NG → **REPAIR OR REPLACE HARNESS AND CONNECTOR (POWER SOURCE CIRCUIT)**

OK

REPLACE POWER WINDOW REGULATOR MASTER SWITCH ASSY