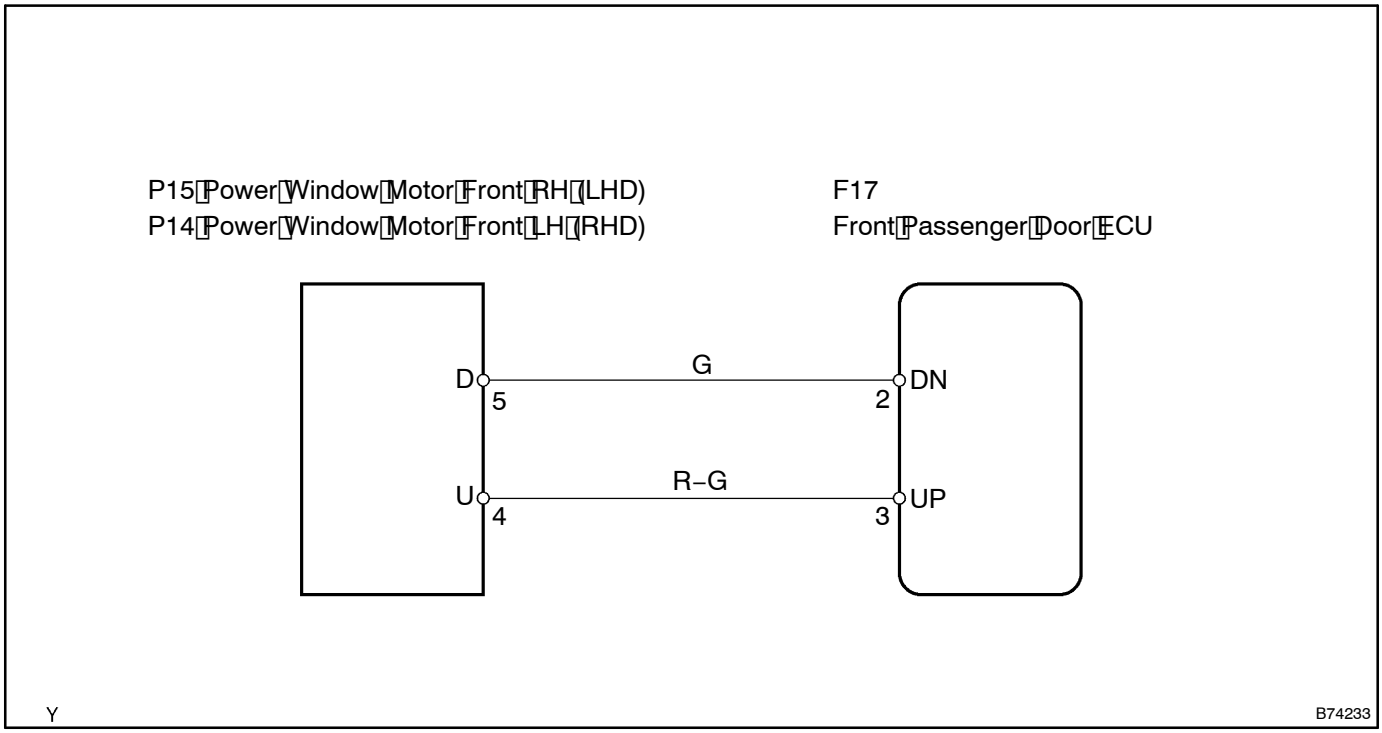
POWER WINDOW MOTOR CIRCUIT (PASSENGER SIDE)

CIRCUIT DESCRIPTION

The passenger door ECU receives signals from the power window regulator master switch assy and passenger side power window regulator switch assy, and operates the power window regulator motor.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	CHECK FOR DTCS

(a) Operate the passenger door power window. Check if any DTC is output.

RESULT:

Result	Proceed to
No DTC is output	A
DTC is output	B

B → PROCEED TO DTC CHART (See page 05–1998)

A

2	PERFORM ACTIVE TEST USING INTELLIGENT TESTER II

(a) Connect the Intelligent tester II to the DLC3.
(b) Turn the ignition switch ON and press the Intelligent tester II main switch ON.
(c) Select the item below in the ACTIVE TEST and then check that the power window operates.

PASSENGER DOOR ECU:

Item	Test Details	Diagnostic Note
Power window	UP / DOWN	–

OK: Power window operates normally.

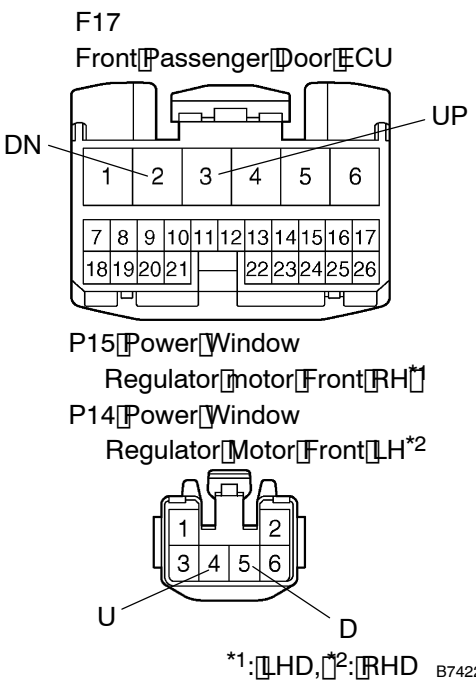
NG → **Go to step 3**

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOMS TABLE (See page 05–1985)

3	CHECK WIRE HARNESS (FRONT PASSENGER SIDE POWER WINDOW REGULATOR MOTOR ASSY – FRONT PASSENGER DOOR ECU)

Wire Harness Side



(a) Disconnect the P15 (LHD) or P14 (RHD) motor connector.
(b) Disconnect the F17 ECU connector.
(c) Measure the resistance of the wire harness side connectors.

Standard:

LHD models

Tester Connection	Specified Condition
P15–4 (U) – F17–3 (UP)	Below 1 Ω
P15–5 (D) – F17–2 (DN)	Below 1 Ω

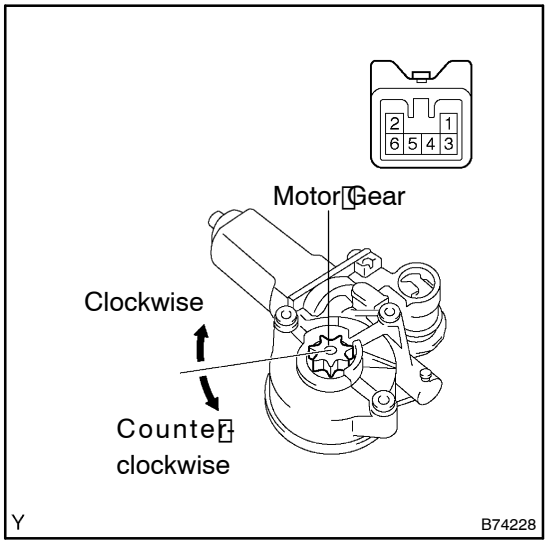
RHD models

Tester Connection	Specified Condition
P14–4 (U) – F17–3 (UP)	Below 1 Ω
P14–5 (D) – F17–2 (DN)	Below 1 Ω

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

OK

4	INSPECT POWER WINDOW REGULATOR MOTOR ASSY (FRONT PASSENGER SIDE)



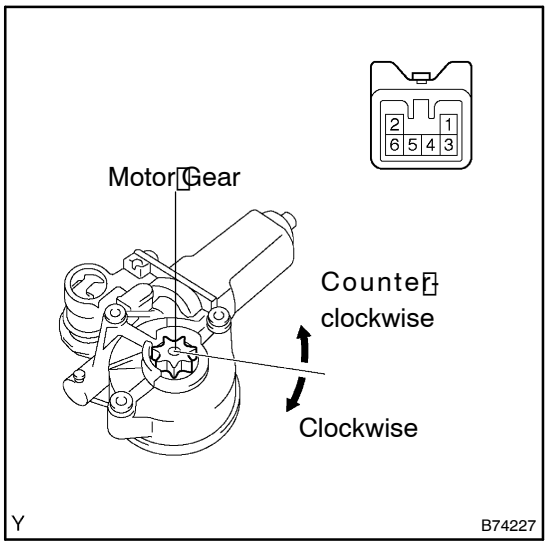
(a) Remove the motor (see page 75–17).
(b) Apply battery voltage to the motor connector according to the table below.
(c) Check that the motor rotates smoothly.

NOTICE:
Do not apply battery voltage to any terminals except terminals 4 and 5.

OK:

LHD models

Measurement Condition	Specified Condition
Battery positive (+) → Terminal 4 Battery negative (–) → Terminal 5	Motor gear rotates clockwise
Battery positive (+) → Terminal 5 Battery negative (–) → Terminal 4	Motor gear rotates counterclockwise



RHD models

Measurement Condition	Specified Condition
Battery positive (+) → Terminal 5 Battery negative (–) → Terminal 4	Motor gear rotates clockwise
Battery positive (+) → Terminal 4 Battery negative (–) → Terminal 5	Motor gear rotates counterclockwise

NG → **REPAIR POWER WINDOW REGULATOR MOTOR ASSY**

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOMS TABLE (See page 05–1985)