DTC	B1235	JAM PROTECTION LIMIT SWITCH CIRCUIT ON REAR DOOR RH

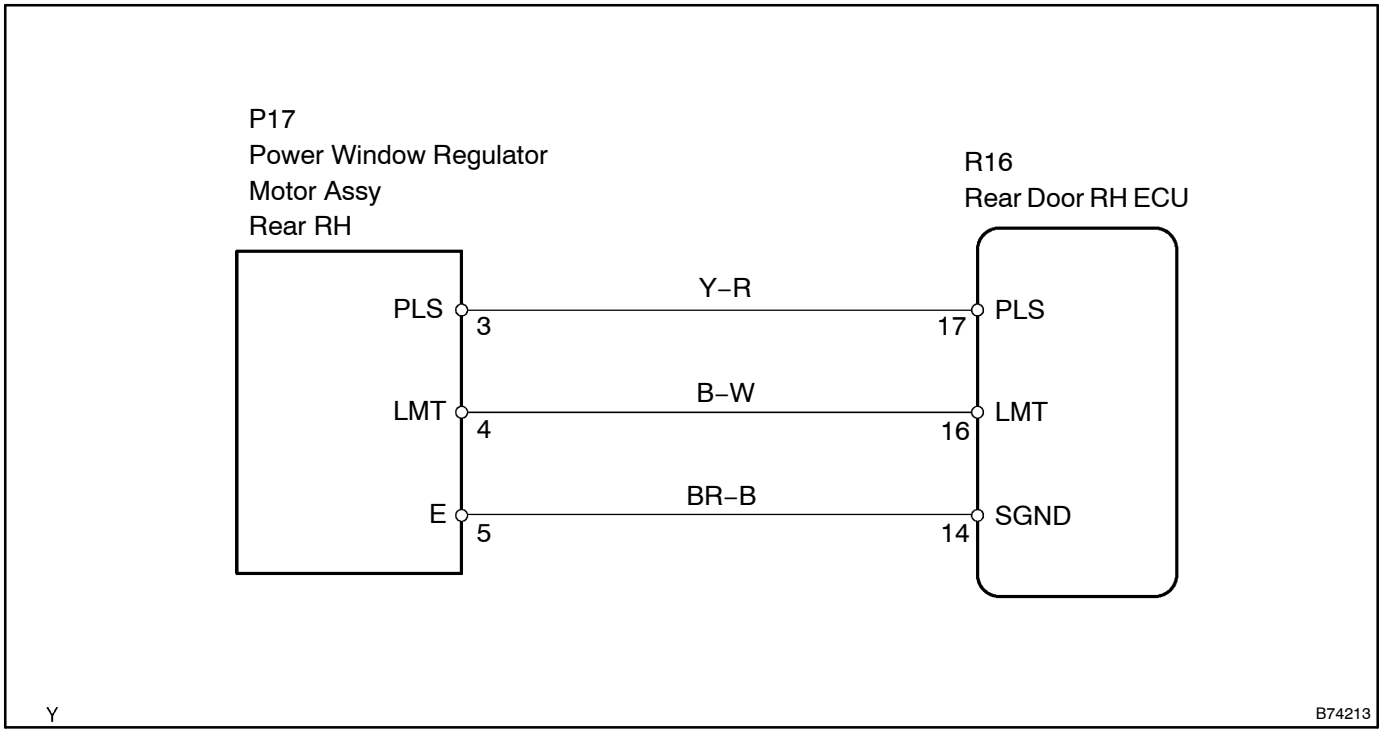
DTC	B1236	JAM PROTECTION PULSE SENSOR CIRCUIT ON REAR DOOR RH

CIRCUIT DESCRIPTION

These DTCs are output when the power window motor rear RH is malfunctioning.

DTC No.	DTC Detection Condition	Trouble Area
B1235	• Open in limit switch of power window regulator motor rear RH	• Power window regulator motor rear RH • Wire harness
B1236	• Open or short in pulse sensor of power window regulator motor rear RH	• Power window regulator motor rear RH • Wire harness

WIRING DIAGRAM



INSPECTION PROCEDURE

1	CHECK POWER WINDOW OPERATION

(a) Lower the rear RH power window from the fully closed position to the fully open position. Check if the DTC is erased.

Result:

Result	Proceed to
DTC is erased	A
DTC is not erased	B

HINT:
If the DTC is erased, it is possible the driver door ECU incorrectly detected this DTC previously.

B → **Go to step 2**

A

END

2	READ VALUE OF 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 items below in the DATA LIST and read the displays on the intelligent tester II.

REAR DOOR LH ECU:

Item	Measurement Item / Display (Range)	Normal Condition	Diagnostic Note
Limit SW	Jam protection limit SW	ON: Jam protection limit switch operates OFF: Jam protection limit switch does not operate	–

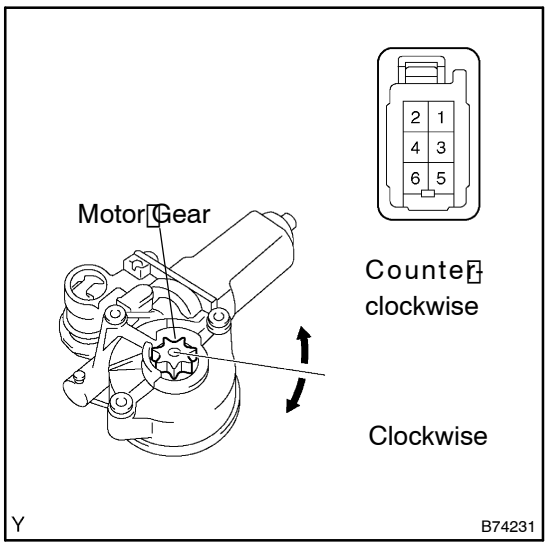
OK: ”ON” (Jam protection limit switch operates) appears on the screen.

NG → **Go to step 3**

OK

REPLACE REAR DOOR RH ECU

3	INSPECT POWER WINDOW REGULATOR MOTOR ASSY REAR RH



(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 1 and 2.

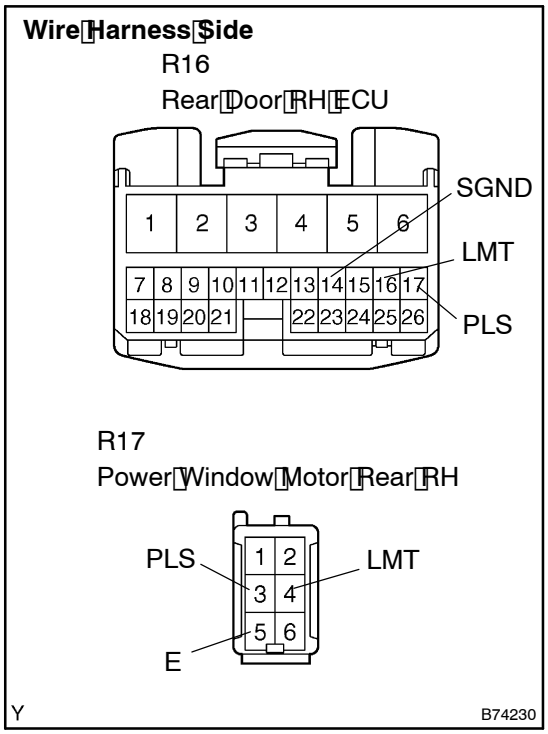
OK:

Measurement Condition	Specified Condition
Battery positive (+) → Terminal 2 Battery negative (–) → Terminal 1	Motor gear rotates clockwise
Battery positive (+) → Terminal 1 Battery negative (–) → Terminal 2	Motor gear rotates counterclockwise

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

OK

4	CHECK WIRE HARNESS (REAR DOOR RH ECU – POWER WINDOW REGULATOR MOTOR ASSY REAR RH)



(a) Disconnect the R16 ECU connector.
(b) Disconnect the P17 motor connector.
(c) Measure the resistance of the wire harness side connectors.

Standard:

Tester Connection	Specified Condition
R16–16 (LMT) – P17–4 (LMT)	Below 1 Ω
R16–17 (PLS) – P17–3 (PLS)	Below 1 Ω
R16–14 (SGND) – P17–5 (E)	Below 1 Ω
P17–4 (LMT) – Body ground	10 kΩ or higher
P17–3 (PLS) – Body ground	10 kΩ or higher
P17–5 (E) – Body ground	10 kΩ or higher

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

OK

REPLACE REAR DOOR RH ECU