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|------------|--------------|-----------------------------------------------------------|
| <b>DTC</b> | <b>B1231</b> | <b>Jam protection limit switch circuit on driver door</b> |
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## CIRCUIT DESCRIPTION

This DTC is output when failure of the jam protection limit switch circuit is detected.

The jam protection limit switch is built in the power window motor.

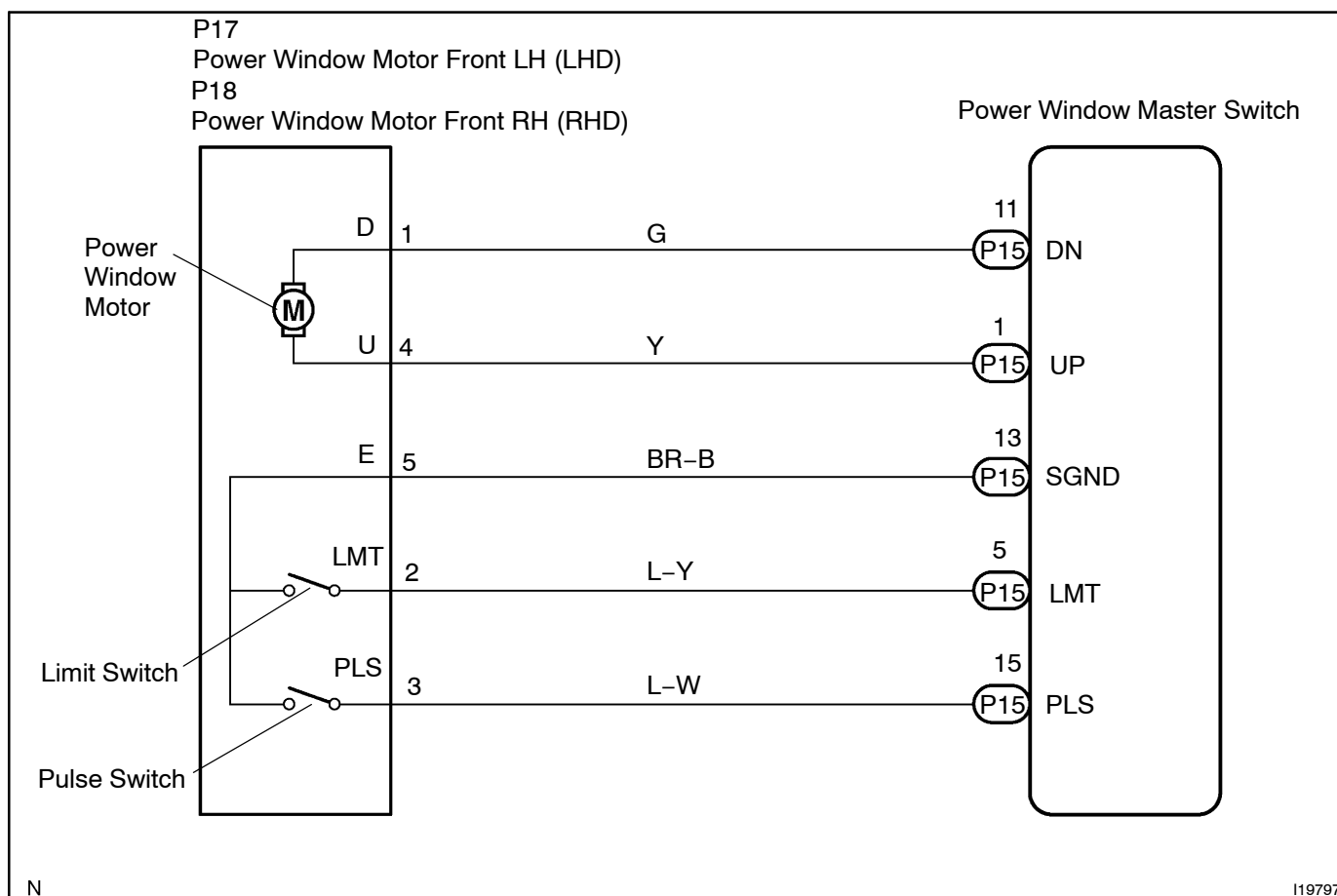
This switch is OFF when the window stays between the fully closed position and 4 mm under the full-closed position, and power window master switch reads this signal.

| DTC No. | DTC Detection Condition                                                                                                                 | Trouble Area                                                                                                                                                    |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1231   | No change in limit switch more than 2.0 seconds even if operating glass down when limit switch is OFF<br>(window glass is fully closed) | <ul style="list-style-type: none"> <li>• Jam protection limit switch</li> <li>• Wire harness</li> <li>• Power window master switch (Driver door ECU)</li> </ul> |

### HINT:

When the power window master switch detects the condition that the power window is lowered to turn the limit switch from OFF to ON, this DTC is cleared.

## WIRING DIAGRAM



## INSPECTION PROCEDURE

HINT:

In case of not using the hand-held tester, start from step 3.

- 1 Whether or not this DTC is cleared when the power window is lowered from fully close condition to half opened condition.

Yes

It is suspected that the DTC was detected by ECU with any failure in the past.

No

- 2 Check jam protection limit switch (See page BE-51).

NG

Replace power window motor.

OK

- 3 Check wire harness and connector between power window motor and power window master switch (See page IN-38).

NG

Repair or replace wire harness or connector.

OK

Replace Power window master switch.