

Nissan power window reset procedures

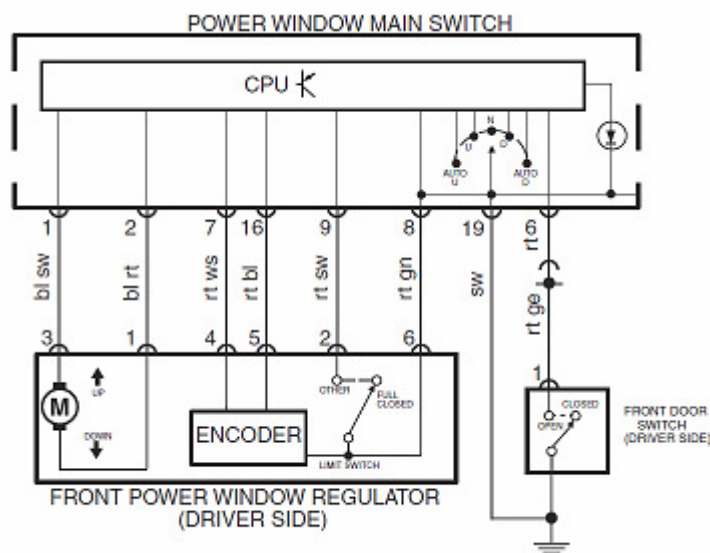
Models using window jamb detection system with or without limit switch

System operation

The power window CPU monitors the power window regulator motor operation and the window position (full closed or other) for driver's power window by the signals from encoder unit and limit switch (if fitted) in the power window regulator assembly (driver's side). Later models rely solely on encoder information.

The power window CPU monitors the following window operations:

- automatic close operation when ignition switch is in the "ON" position
- automatic close operation during power window timer operation
- manual close operation during power window timer operation



The limit switch is located on the window regulator unit

Motor encoder

The encoder detects the movement of the front power window motor (driver side) and transmits a pulse signal to the power window main switch CPU whilst the power window motor (driver side) is operating.

When resistance is applied to the front power window motor (driver side), the different rotation speed changes the frequency of the encoder pulse signal, i.e. if object is trapped in the door glass.

Power window main switch CPU controls to lower the window glass for 150 mm or 2 seconds after it detects encoder pulse signal frequency change.

If an interruption/jamb occurs, the CPU will control the driver's power window regulator motor open and the window will be lowered about 150 mm.

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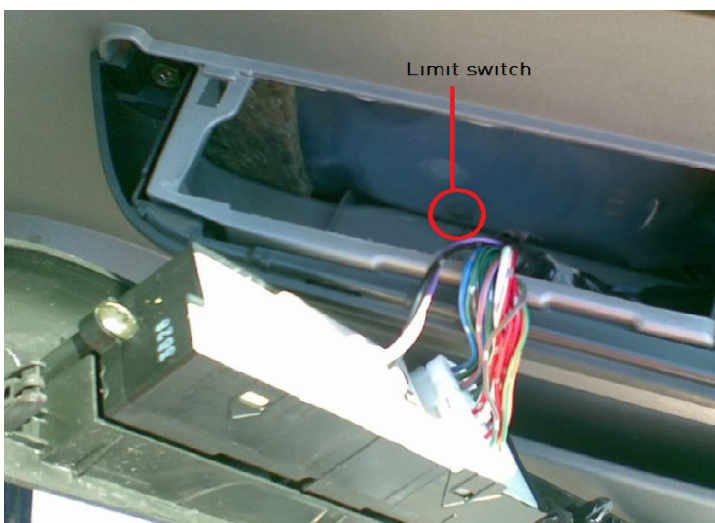
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Technical Bulletin

Conditions for resetting the limit switch

If any of the following operations are performed, reset the limit switch:

- Regulator removal and installation
- Glass channel removal and installation
- Removal of motor from regulator
- Door glass removal and installation



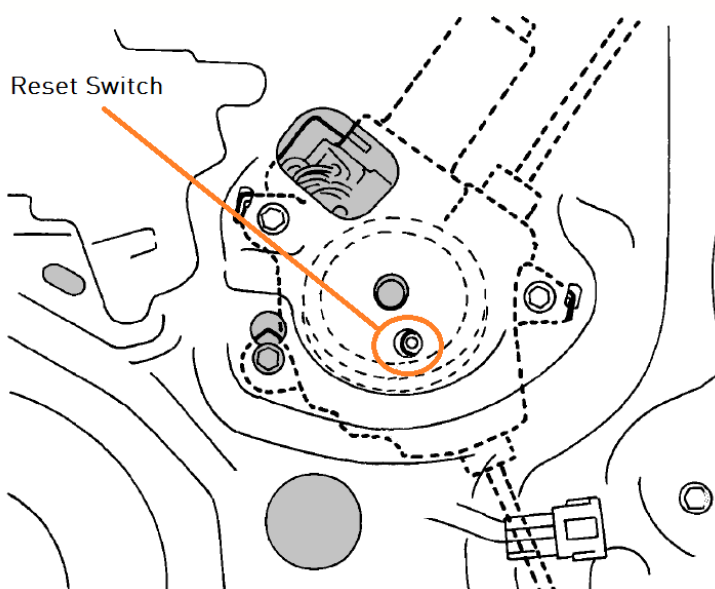
With the power window CPU removed (master switch) the limit switch is easily accessed; some models require the door card/trim to be removed.

Limit switch models-reset procedure

After installation/replacement of parts, proceed as follows:

1. Close the door window completely.
2. Press the reset switch and open the door window completely.
3. Release the reset switch. Ensure the reset switch has returned to the original position, and then close the door window completely.
4. The limit switch is now reset.

*Be sure to manually open or close the door window.
(Do not use the automatic open-close procedure)



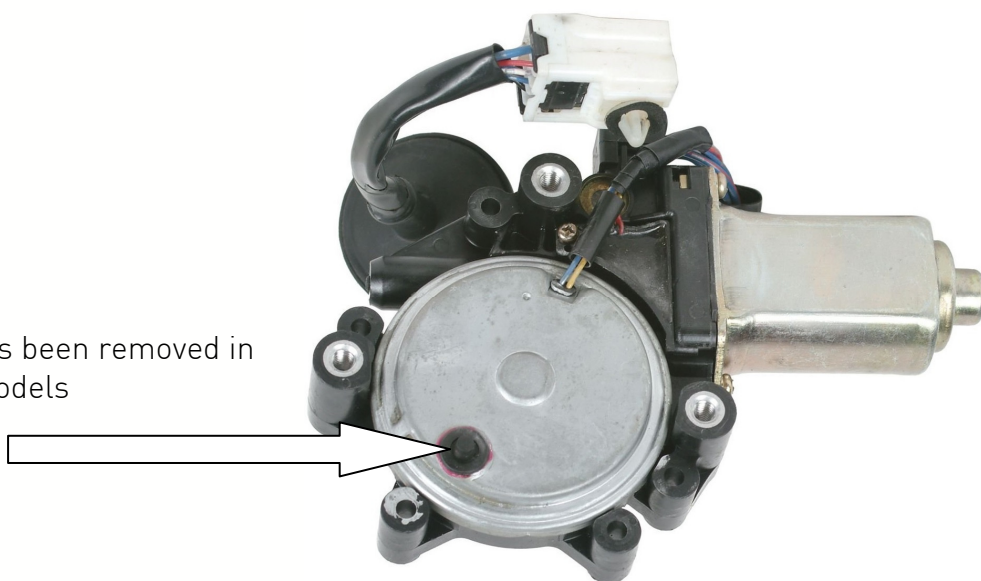
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Initialization procedure for later models without the limit switch

1. Disconnect battery negative terminal or power window main switch connector. Reconnect it after a minute.
2. Turn ignition switch ON.
3. Operate power window switch to fully open the window. (If not already fully open)
4. Continue pulling the power window switch UP (AUTO-UP operation). Even after glass stops at fully closed position, keep pulling the switch for 2 seconds or more.
5. Initializing procedure is completed.

The limit switch has been removed in later production models



Check anti-pinch function

Fully open the door window.

Place a piece of wood (hammer handle works well) near fully closed position.

Close door glass completely with AUTO-UP.

Check that glass lowers for approximately 150 mm or 2 seconds without pinching piece of wood and stops.

Check that glass does not rise when operating the power window main switch while lowering.

WARNING!

- Perform initial setting when auto-up operation or anti-pinch function does not operate normally.
- Check that AUTO-UP operates before system initialization is performed.
- Do not check anti-pinch operation using your hands or body parts!

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