

# **Component Procedures: Power Window Motor**

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# Component Procedures: Power Window Motor

## All Technical Service Bulletins (itype\_100)

Tsbs

- Body - Front/Rear Side Door Windows Bind/Noisy/Move Slowly (PI0018B, 2013/11/08)

## Repair Tips (itype\_110)

Tsbs

- Body - Front/Rear Side Door Windows Bind/Noisy/Move Slowly (PI0018B, 2013/11/08)

## Window Motor Programming - Express Function (Article 10279)

A window motor that has not been normalized may no longer perform the express up functions or may not index up when the door is closed, this may occur during the following conditions:

- When a window motor has been disconnected or replaced
- When a door harness has been disconnected

When the battery has been disconnected or replaced, all window motors may no longer perform the express up functions

- Open, then Close Driver Window
- Open, then Close Passenger Window

Single Window Motor Normalization Procedure

- Ignition ON.

- Starting with the window completely UP, press and hold the power window switch until the window is fully open and continue holding the switch down for approximately 5 seconds after the window is completely open.
- Pull the power window switch up until the window is fully closed and continue holding the switch up for approximately 5 seconds after the window is completely closed.

The window should now be normalized and the window should perform the express up and express down functions and should index normally when the door is opened and closed.

All Window Motors Normalization Procedure

- Starting with the left and right rear window completely UP, press and hold the appropriate power window switch until the rear windows are fully open and continue holding the switch down for approximately 5 seconds after the rear windows are completely open.
- Pull the power window switch up until the rear windows are fully closed and continue holding the switch up for approximately 5 seconds after the rear windows are completely closed.
- With the driver window completely UP, press and hold the appropriate power window switch until the driver window is fully open and continue holding the switch down for approximately 5 seconds after the driver window is completely open.
- Pull the power window switch up until the driver window is fully closed and continue holding the switch up for approximately 5 seconds after the driver window is completely closed.
- With the front passenger window completely UP, press and hold the appropriate power window switch until the front passenger window is fully open and continue holding the switch down for approximately 5 seconds after the front passenger window is completely open.
- Pull the power window switch up until the front passenger window is fully closed and continue holding the switch up for approximately 5 seconds after the front passenger window is completely closed.

All the window motors should now be normalized and the windows should perform the express up and express down functions and should index normally when the door is opened and closed.

Window Motor Relearn Procedure

A relearn procedure may need to be performed after the following repair procedures have been completed:

- When the window glass had to be realigned
- When the window glass has been replaced
- When the door has been replaced and the original window motor has been reused
- When the window regulator has been replaced and the original window motor has been reused

The technician may experience the following symptoms when performing the express up function:

- The glass may stop before reaching the top of the window frame
- The window may auto-reverse when reaching the top of the window frame

This is caused by the window motor still retaining the original travel settings prior to being reinstalled with the new components

To relearn the window motor, follow these steps:

- With a scan tool, select Module Diagnosis, K9 Body Control Module, Configuration/Reset Functions and then select the appropriate Clear Window Learn Values for the window motor requiring the relearn procedure.

- After the learn procedure, exit the scan tool learn procedure completely, the power window cannot be normalized and will not function until you exit the program.

The window motor has now been calibrated to the new travel settings and will function normally.