

## Power Window Issues

If your power windows are binding, more than likely you need to replace the window regulator. Some people have had luck with just lubricating the window rails with silicone spray. In my case, it was too late and the window regulator and motor had to be replaced. There are NO SERVICEABLE parts in the window regulator. You can't replace the cable or anything of the sort. You have to replace the entire unit.

I've replaced both passenger-side window regulators and one window motor. If you don't replace the regulator when the window starts to bind, the teeth on the motor gear (made of plastic) will strip/break off and then you HAVE to replace the motor.

The window regulator costs about \$75-80 and it's a DIY job. Just remove the door panel (see door panel removal instructions), remove and replace the window regulator.

The window regulator is a metal track that guides a bracket attached to the bottom of the glass window. On top and bottom of that metal track there are pulleys with a cable that runs over to the power window motor. The cables look like the brake cable on a 10-speed bike. You cannot replace just the cable. The whole thing is one unit. See figure 1.



**Figure 1**



**Figure 2**

Before you get started removing the regulator, you'll need to roll/push the window almost all the way down. This is so you can remove the two bolts that attach the glass window to the regulator. Carefully let the glass slide all the way down until it's resting at the bottom of the inside of the door.

To remove the motor and regulator (they come out of the door as one unit, just like figure 1) remove the bolts marked as green circles in figure 2. The green lines in figure 2 outline the location of the window regulator as it sits inside the door. Note that to remove the motor on the front doors, you'll have to first remove the black speaker housing. That's why one of the green circles in figure 2 appears to be on top of the speaker housing – that bolt is really behind the speaker housing.

Once all the bolts are removed, squeeze both motor and regulator out of that small hole in the door (outlined in figure 2 in red).

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Once you have the window regulator and motor out of the door, remove the power window motor and attach it to the new regulator. To remove the motor, remove the three screws you see in figure 3 (green circles).

At this point, it's probably a good idea to hook up just the motor with the new regulator to the wire harness to test its operation before you put everything back together. Make sure the unit can roll all the way up and down. Should you discover that the regulator doesn't roll all the way up or down, the motor likely has some stripped teeth so the motor will need to be replaced. I found that my local Discount Auto Parts sells remanufactured Infiniti power window motors for \$50 (as long as you give them your old one as core) with a lifetime guarantee.

If the motor and regulator test is ok, you can install everything back. Just install everything back in reverse order.

Carlos



**Figure 3**