

# INSTALL/REMOVAL INSTRUCTIONS: WINDOW REGULATOR

**ATTENTION:** Refer to the appropriate shop manual for your vehicle to obtain specific service procedures for this part. If you do not have a service manual or lack the skill to install this part, it is recommended that you seek the services of a qualified technician. Pay special attention to all cautions and warnings included in the shop manual. Read and follow all instructions carefully.

## REMOVAL/INSTALL OF WINDOW REGULATOR (740-665) Ford Crown Victoria, Mercury Grand Marquis 1992–2010

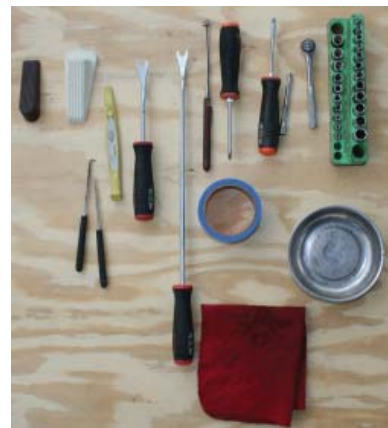
### General Tech Tips:

- Use painter's tape rather than duct tape to secure window. It will not damage paint or leave sticky residue.
- A plastic pry tool is useful. It will not easily damage delicate trim like a screwdriver or metal pry bar.
- The replacement regulator should have a liberal amount of grease on slide area. If there is not much grease present, white lithium grease works well to lubricate the slide area.
- Aftermarket window tinting can cause the window to travel slower and put additional strain on the window regulator assembly.
- Window run channels should be cleaned and lubricated before installation of a new window regulator assembly. Silicone spray works well.

### Tools required for removal and installation of window regulator and motor assembly:

- **Silicone spray lubricant**
- **Panel retainer remover**
- **Pick**
- **Tape, wedge or suction cup saddle to hold window**
- **Flat-blade screwdriver or plastic pry tool**
- **10mm socket or driver**
- **Phillips screwdriver**
- **1/8" drill bit, 3/8" drill bit**
- **Dorman Rivet Gun 743-100 (Ford # D80L-23200-A), or Equivalent**
- **3/8" power drill**
- **1/4" x 1/2" long and 1/4" x 1" long rivets**

**PLEASE WEAR SAFETY GLASSES!**



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## Removal Instructions

**STEP 1:** Remove the door trim panel retaining screws.



**STEP 2:** Using a trim panel removal tool, gently pry-up the master switch assembly.



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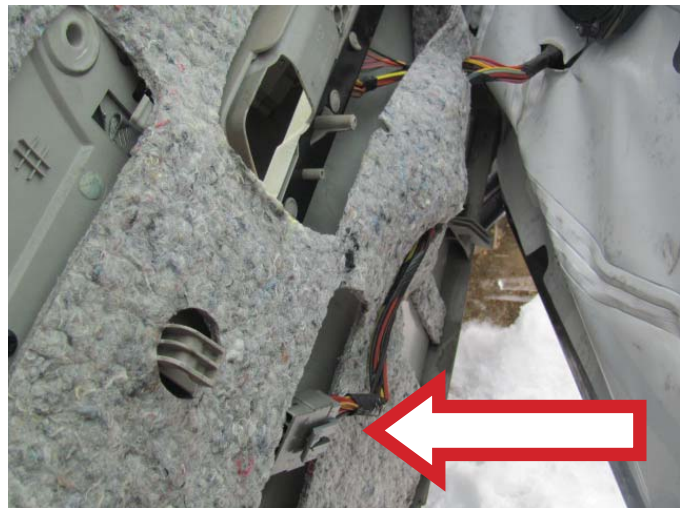
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**STEP 3:** Remove the door trim panel screw that is behind the master switch assembly.



**STEP 4:** Making sure that all of the door trim panel screws have been removed, lift the door trim panel in an upward and outward movement.

**STEP 5:** Remove the connector going to the courtesy lamp assembly.



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**STEP 6:** Remove the door trim panel.

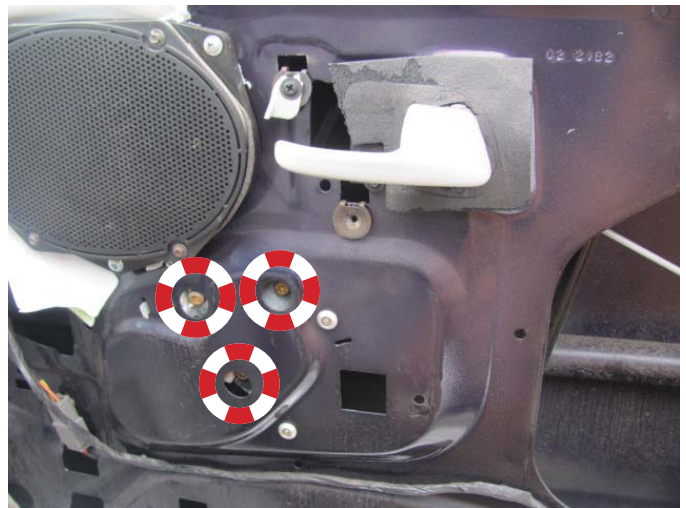
**STEP 7:** Remove water shield.

**STEP 8:** Disconnect the window lift connector.



**STEP 9:** Using tape, a wedge, or a suction cup saddle, attach to glass to keep it from falling inside the door. Failure to do so will cause glass breakage.

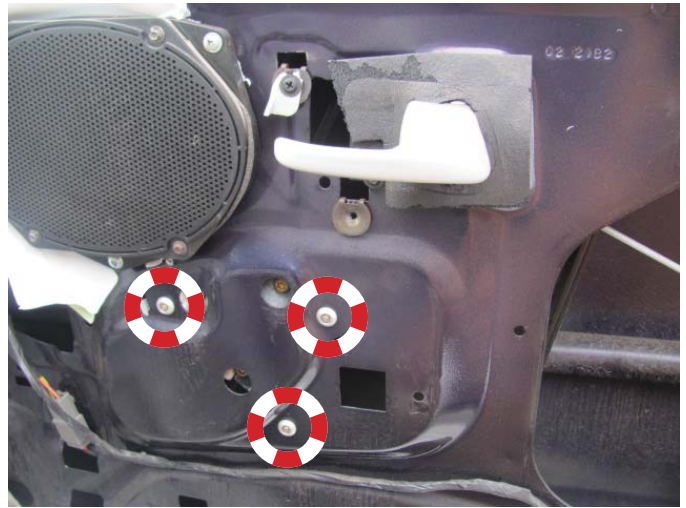
**STEP 10:** Remove the three (3) Torx bits that attach the regulator assembly.



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**STEP 11:** Using a 3/8" power drill with a 1/8" drill bit, drill out the rivets attaching the regulator and window regulator run channel. It may be necessary that after you drill out the center shank of the rivets to use a punch to drive the rest of the rivet out.



**STEP 12:** Remove the bolts that attach the window glass to the regulator.

**STEP 13:** Remove the three (3) window lift motor attaching screws.

**STEP 14:** Remove the window regulator assembly through the access hole.



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## Installation Instructions

**STEP 1:** Install the power window motor onto the window regulator.

**STEP 2:** Install the window regulator assembly through the access hole.



**STEP 3:** Attach the three (3) Torx screws that attach the window motor assembly to the door assembly.

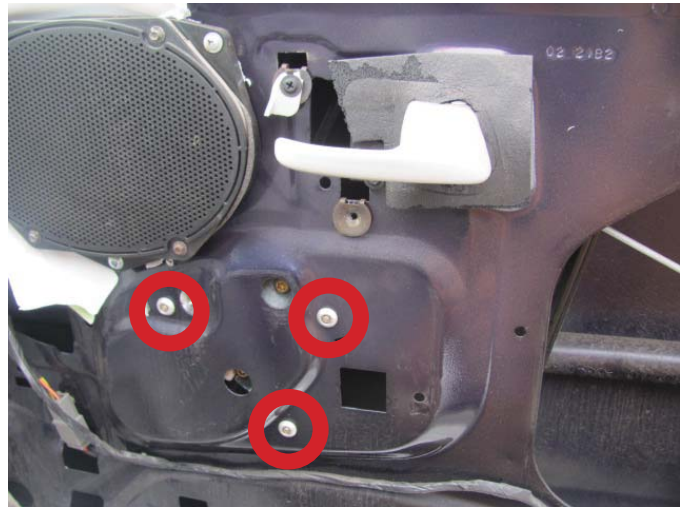
**STEP 4:** Attach the window regulator assembly using the Dorman rivet gun (#743-100) or Ford (pn# D80L-23200-A). The rivets may or may not be included with your window regulator assembly. There are two (2) different size rivets that you will need. One of each:  $\frac{1}{4}$ " x  $\frac{1}{2}$ " long and  $\frac{1}{4}$ " x 1" long.



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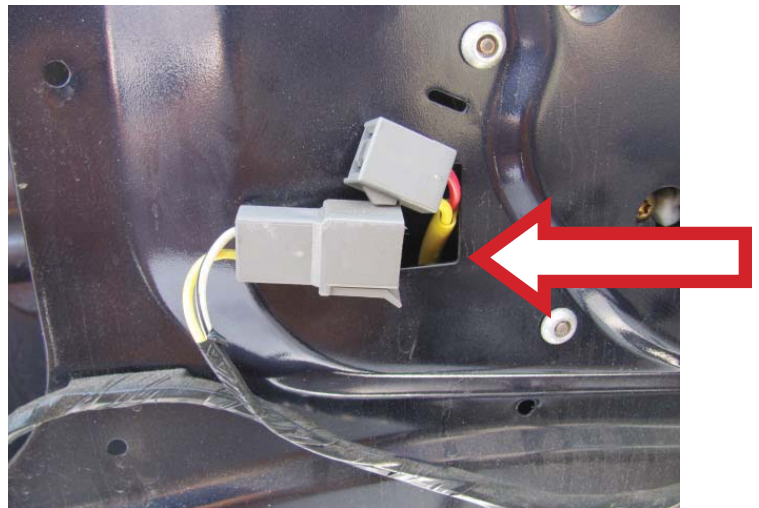
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**STEP 4b:** Attach rivets.



**STEP 5:** Install the window glass. (It may be necessary to temporarily connect the window lift motor and the master switch assembly to be able to align the window glass mounting tabs to the window regulator assembly.)

**STEP 6:** Connect the window lift motor.

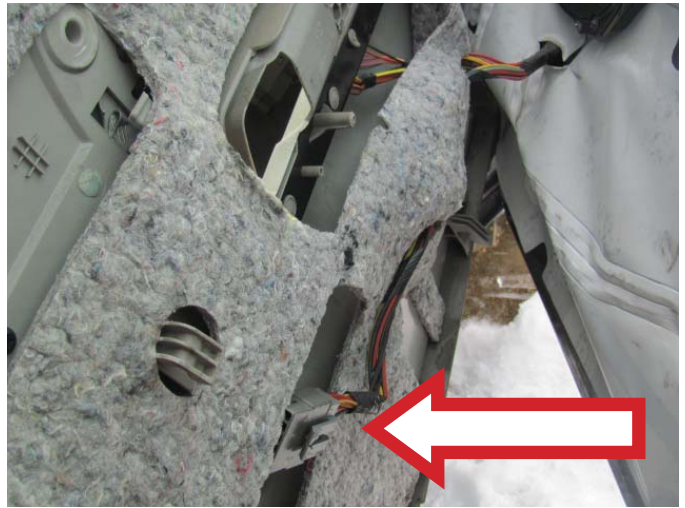


**STEP 7:** Install the water barrier shield.

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**STEP 8:** Attach the courtesy lamp connector.



**STEP 9:** Install the door trim panel, making sure that all mounting holes are aligned. Be sure to pull the master switch wiring through the door trim panel.

**STEP 10:** Install the mounting screws that attach the door trim panel to the door.





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**STEP 10b:** Install the door trim panel screw that is below the master switch assembly.



**STEP 11:** Attach the connectors that go to the back of the master switch assembly.



**STEP 12:** Install the master switch assembly into the door trim panel. Be sure to align the mounting tabs on the switch assembly to the corresponding holes in the door trim panel.



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**STEP 13:** Verify that all of the electrical components, as well as the window, are operating properly.

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**STEP 14:** Install the door pull strap.

