

# 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 (740-664) Ford Crown Victoria, Mercury Grand Marquis 1992–2010

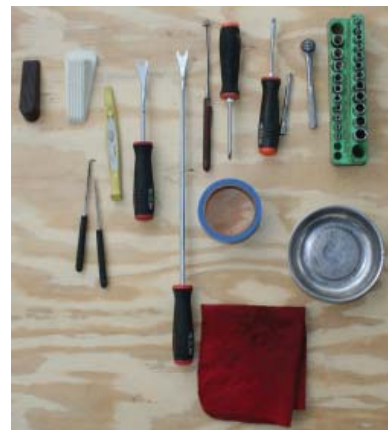
### General Tech Tips:

- 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.



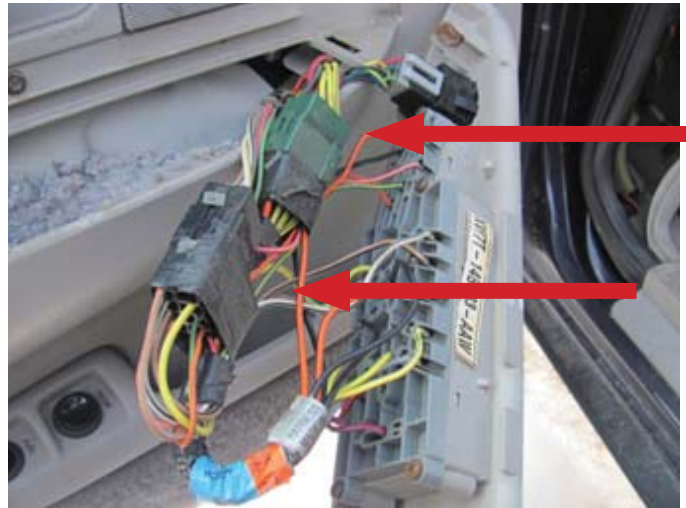
**STEP 2:** Use panel retainer remover to carefully pry-up the master switch assembly.



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**STEP 3:** Disconnect and remove the electrical connectors on the back of the master switch assembly.



**STEP 4:** Remove the door trim panel screw that is behind the master switch assembly.



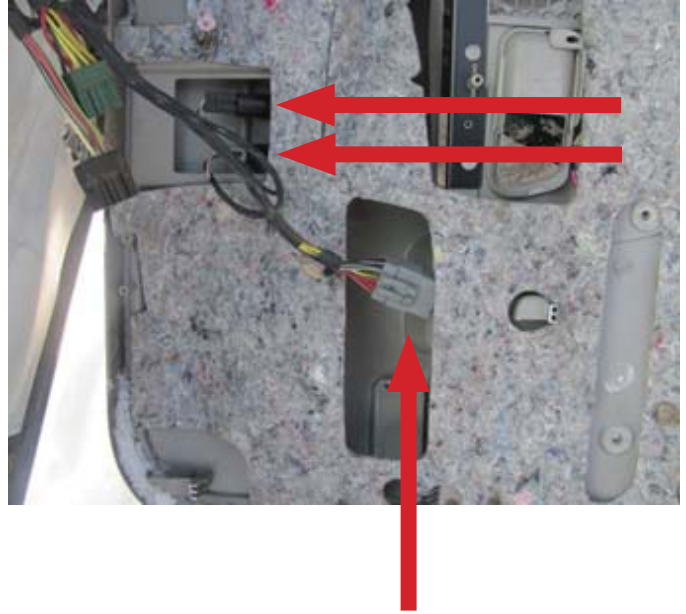
**STEP 5:** Once all of the door trim panel screws have been removed, lift the door trim panel in an upward and outward movement.

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**STEP 6:** Remove the connectors going to the remote fuel door switch and the remote trunk switch.

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**STEP 6a:** Remove the connector going to the courtesy lamp assembly.

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**STEP 7:** Remove the door trim panel.

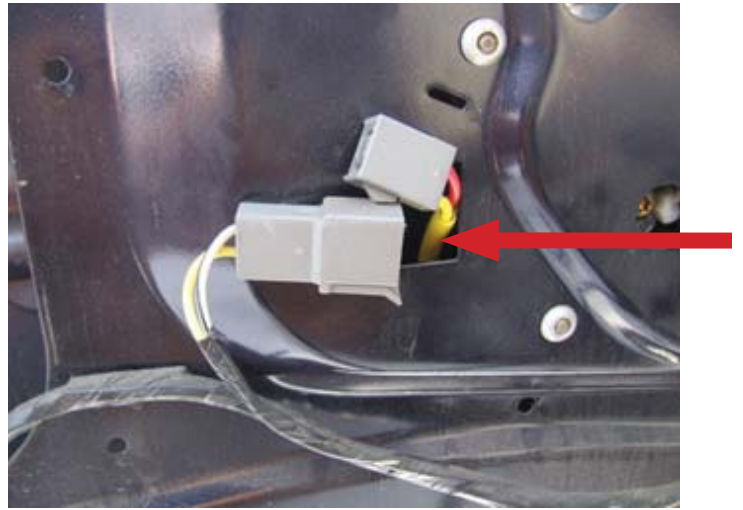


**STEP 8:** Remove water shield.

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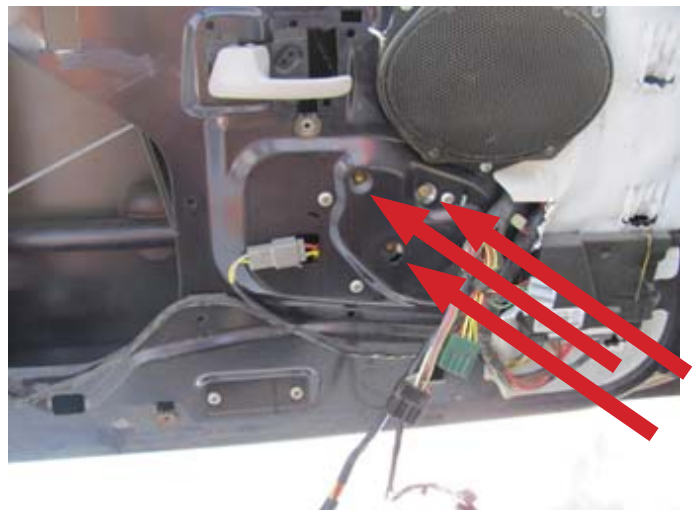
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**STEP 9:** Disconnect the window lift connector.



**STEP 10:** Using a wedge, tape or a suction cup saddle, attach to glass to keep it from falling inside the door. Failure to do so will cause glass breakage.

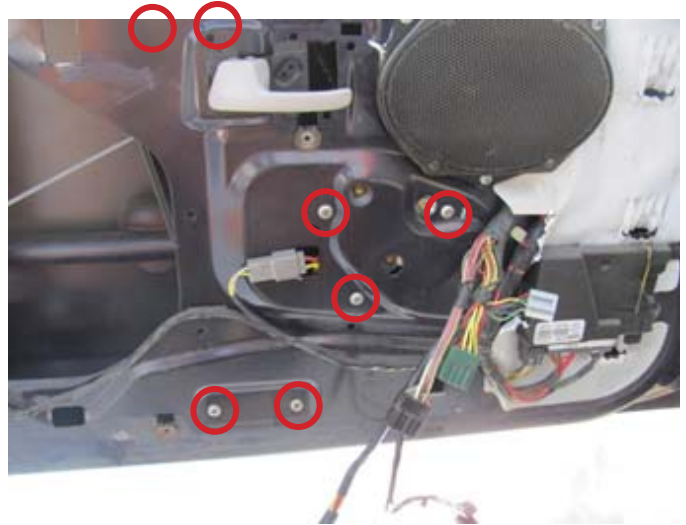
**STEP 11:** Remove the three (3) Torx bits that attach the regulator assembly.



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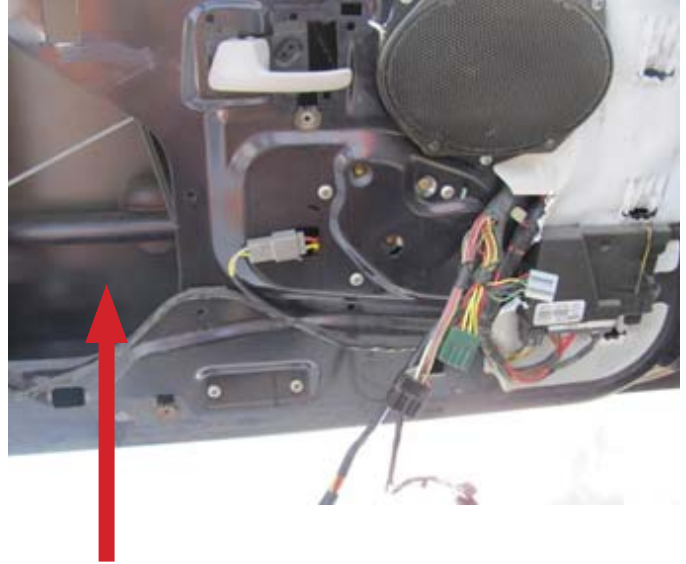
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**STEP 12:** Using a 3/8" power drill with a 1/8" drill bit, drill out the rivets attaching the regulator and window regulator run channel. It may be necessary, after you drill out the center shank of the rivets, to use a punch to drive the rest of the rivet out.



**STEP 13:** Remove the bolts that attach the window glass to the regulator.

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



**STEP 15:** Remove the three (3) screws attaching the window lift motor to the window regulator.

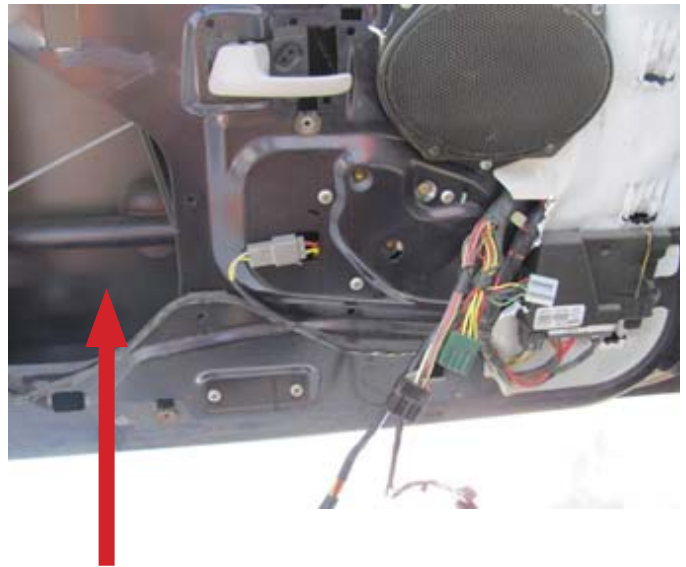
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## Installation Instructions

**STEP 1:** Attach the screws that hold the window lift motor to the window regulator.

**STEP 1a:** Install the window regulator assembly through the access hole.



**STEP 2:** Attach the three (3) Torx screws that attach the window motor assembly to the door assembly.



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**STEP 3:** 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,  $\frac{1}{4}$ " x 1" long.



**STEP 3a:** Attach rivets.



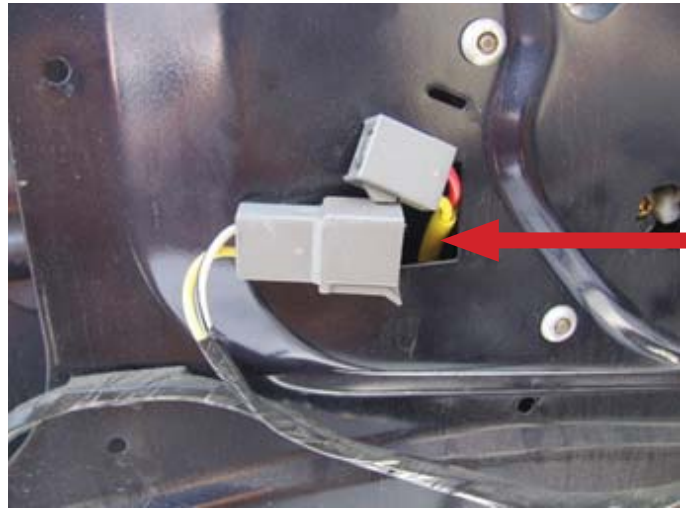
**STEP 4:** Install the window glass. **NOTE:** It may be necessary to temporarily connect the window lift motor and the master switch assembly to be able to align the window glass mounting tabs to the window regulator assembly.



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**STEP 5:** Connect the window lift motor.



**STEP 6:** Install the water shield.



**STEP 7:** Attach the courtesy lamp connector.



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**STEP 7a:** Attach the remote fuel lid switch and the remote trunk switch.



**STEP 8:** 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 9:** Install the five (5) mounting screws that attach the door trim panel to the door.



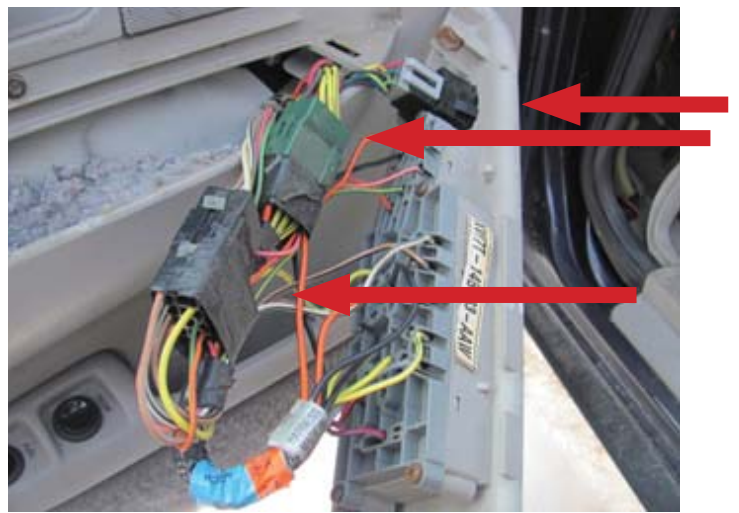
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**STEP 9a:** Install the door trim panel screw below the master switch assembly.



**STEP 10:** Attach the connectors to the back of the master switch assembly.



**STEP 11:** 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 12:** Verify that all of the electrical components, as well as the window, are operating properly.

**STEP 13:** Install the door pull strap.