

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

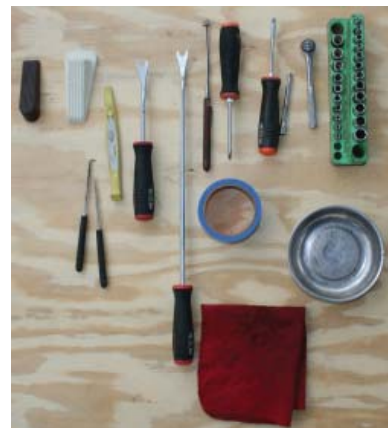
General Tech Tips:

- 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.



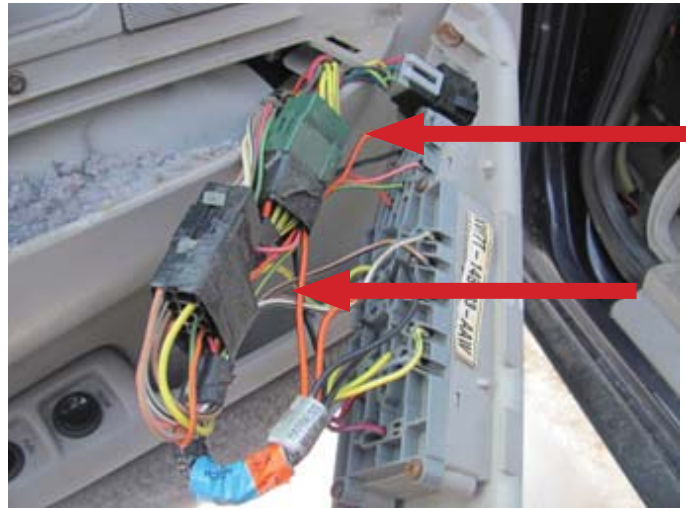
STEP 2: Use panel retainer remover to carefully pry-up the master switch assembly.



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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.

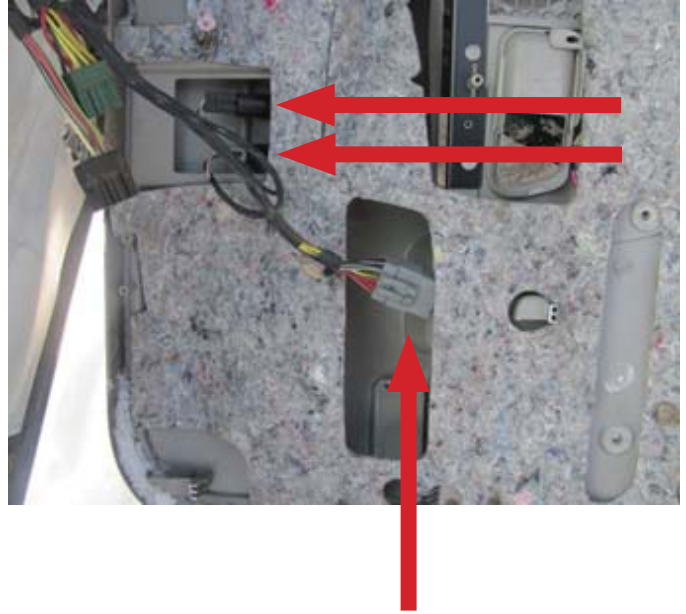


STEP 5: Once all of the door trim panel screws have been removed, lift the door trim panel in an upward and outward movement.

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



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

STEP 7: Remove the door trim panel.

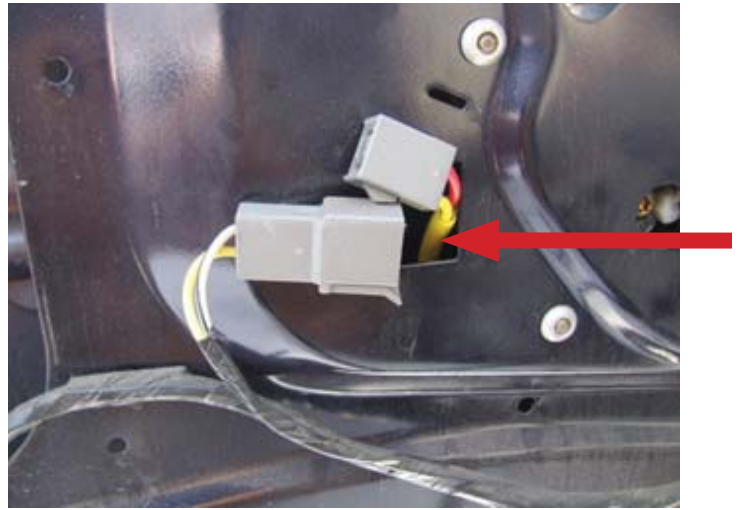


STEP 8: Remove water shield.

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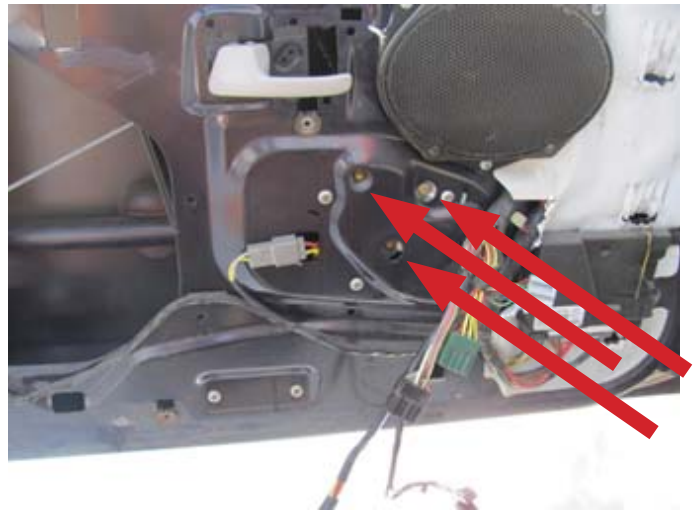
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STEP 9: Disconnect the window lift connector.



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.

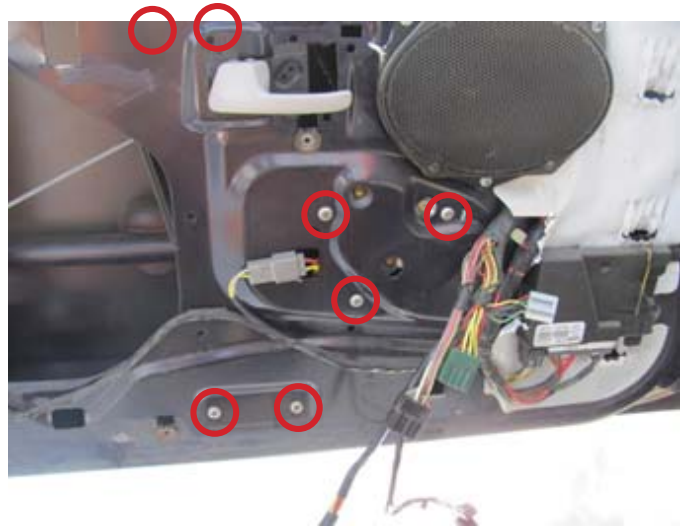
STEP 11: Remove the three (3) Torx bits that attach the regulator assembly.



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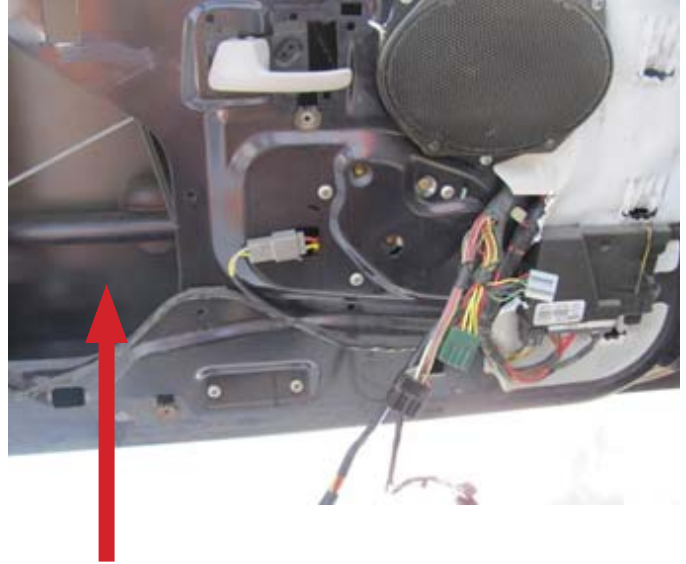
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STEP 12: Using a 3/8" power drill with a 1/8" drill bit, drill out the rivets attaching the regulator and window regulator run channel. It may be necessary, after you drill out the center shank of the rivets, to use a punch to drive the rest of the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

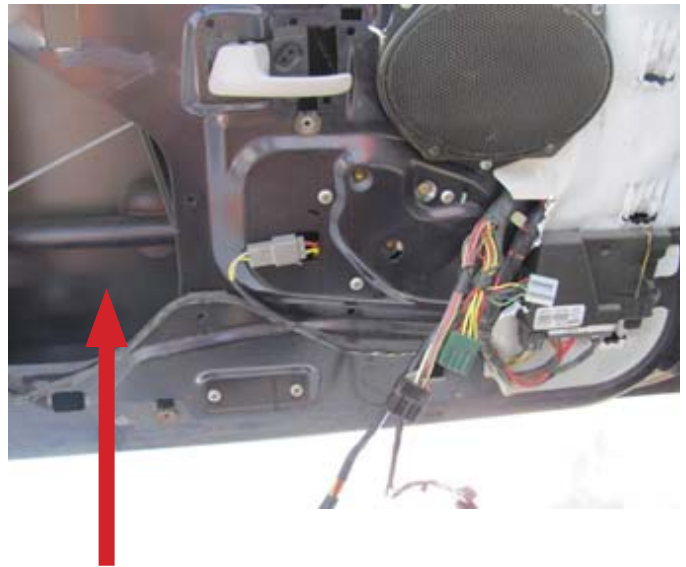
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Installation Instructions

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.

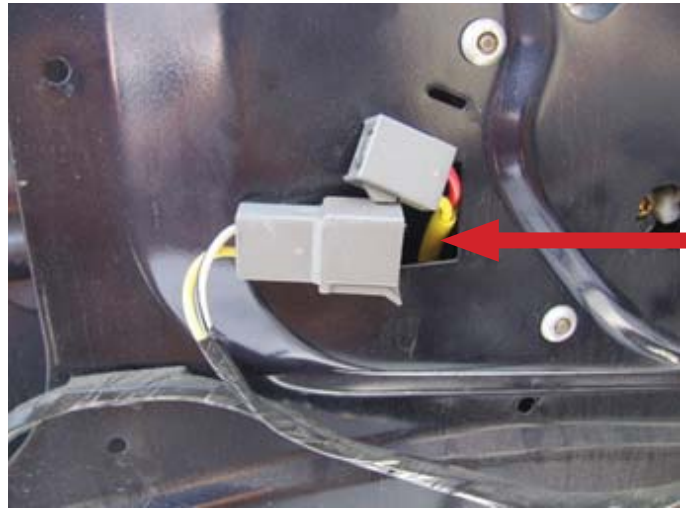


STEP 4: Install the window glass. **NOTE:** It may be necessary to temporarily connect the window lift motor and the master switch assembly to be able to align the window glass mounting tabs to the window regulator assembly.

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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.



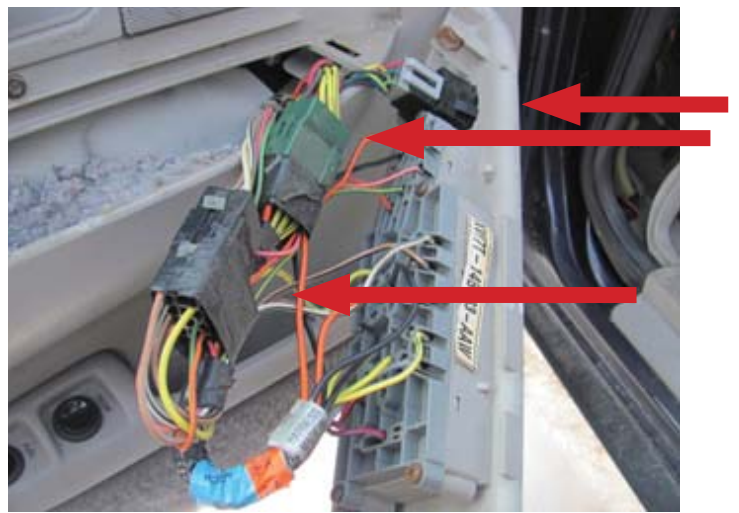
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STEP 9a: Install the door trim panel screw below the master switch assembly.



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.