

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 (665-3678) Chrysler Minivan Voyager, Dodge Caravan 1996–2000

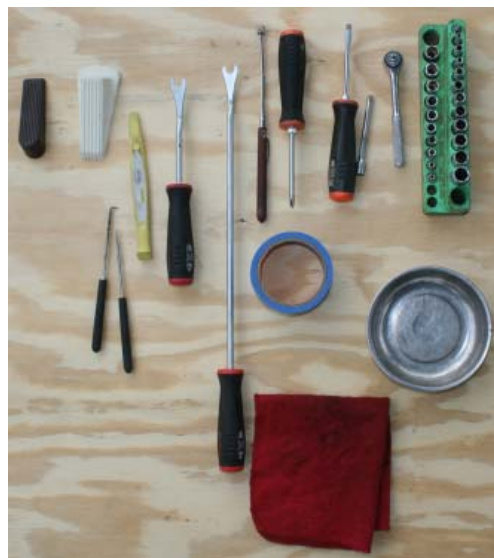
General Tech Tips:

- 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.

PLEASE WEAR SAFETY GLASSES!

Tools required for proper removal of motor and regulator:

- Phillips screwdriver
- Trim panel removal tool
- Pick or flat-blade screwdriver
- Pry bar with flat end
- Torx 30 bit and driver or Torx 30 screwdriver
- Torx 27 bit
- Hex/Allen wrench - 4.0 mm
- Needle-nose pliers
- Hook-end hand probe
- Saddle cup assembly, tape, or wedge to hold window in place



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Removal Instructions

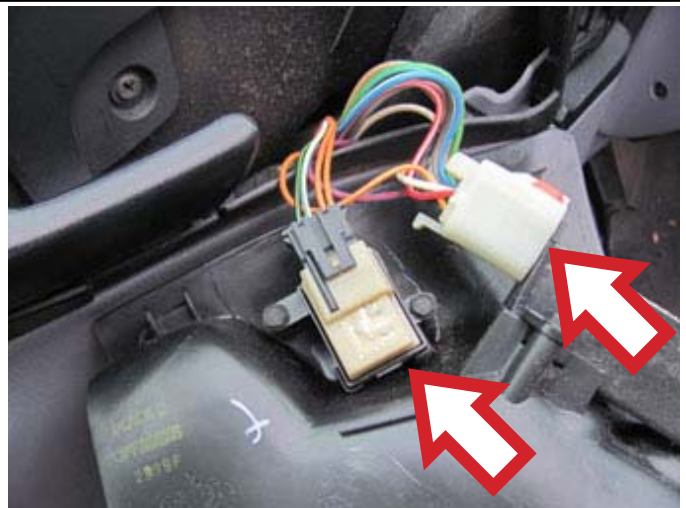
STEP 1: Remove the door trim panel retaining screws.



STEP 2: Remove the master power switch assembly screws from the bezel assembly.



STEP 3: Gently lift the master power switch assembly up to expose the connectors on the back of the assembly. Disconnect the switch from the connectors.



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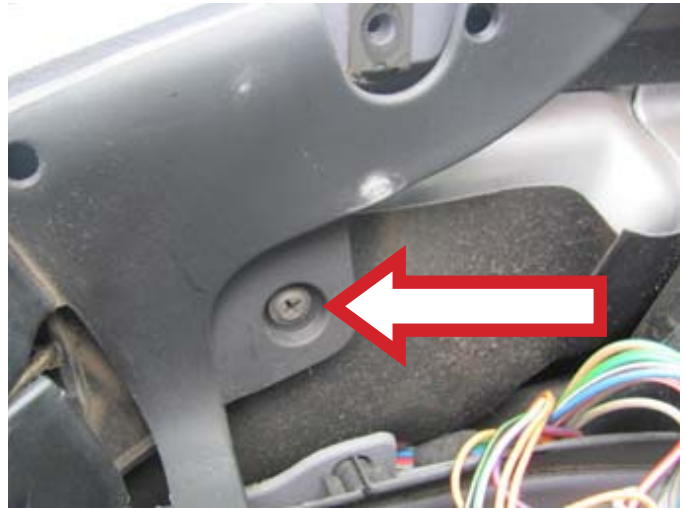
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STEP 4: Remove the door trim panel screw located behind the master power switch assembly (just behind the door handle).



STEP 5: Using a trim panel removal tool, gently pry the door panel away from the door to release the door trim panel retaining clips. The retaining clips are located on the outer edge of the door trim panel and about every 4 inches around the door trim panel.

STEP 6: Lift the door trim panel in an upward movement to expose the back of the door trim panel.

STEP 7: Disconnect the door handle latch rod retaining clip from the door handle latch rod. **NOTE:** To disconnect the clip, hold the latch rod, and firmly push the clip toward the door.



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STEP 8: Disconnect the courtesy light connector from the courtesy light. **NOTE:** To disconnect the connector, push the red locking clip to unlock the electrical connector.



STEP 9: Remove the door trim panel from the door.

STEP 10: Remove the water shield barrier (if so equipped).

STEP 11: Using your saddle cup assembly, tape, or wedge, attach to glass to keep the glass from falling inside the door. Failure to do so may result in glass breakage.

STEP 12: Disconnect the window lift motor connector.



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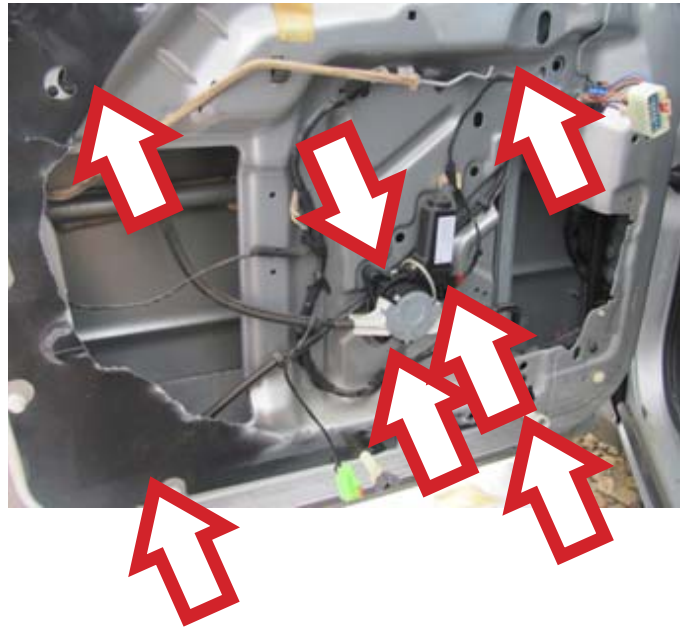
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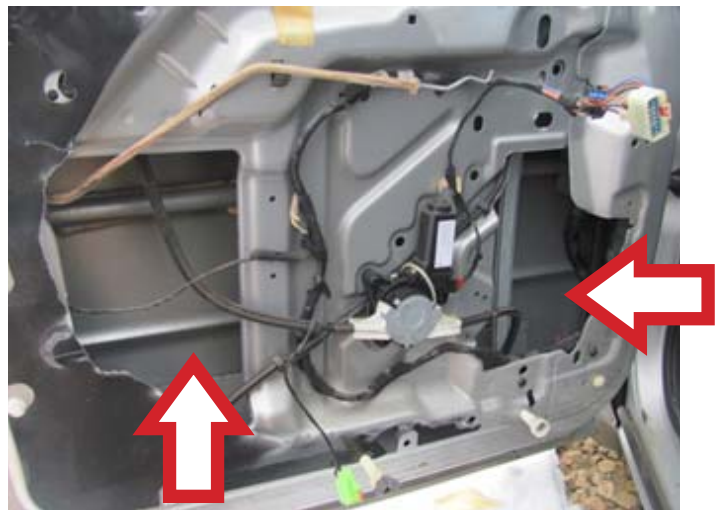
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STEP 13: Remove both the window regulator retaining bolts and the window lift motor retaining bolts.



STEP 13a: Disconnect the window glass from the window regulator.

STEP 14: Remove the window regulator run channels from inside the door through the access holes.



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Installation Instructions

STEP 1: The plastic wire tie secures the regulator cable to the back of the motor to ensure correct cable positioning on the door.

DO NOT REMOVE THE WIRE TIE!!!!



STEP 2: The regulator is supplied with the plastic window slides (mounts) already positioned for easy installation and glass attachment. Please double check for the presence of the two (2) clips as per the photograph.



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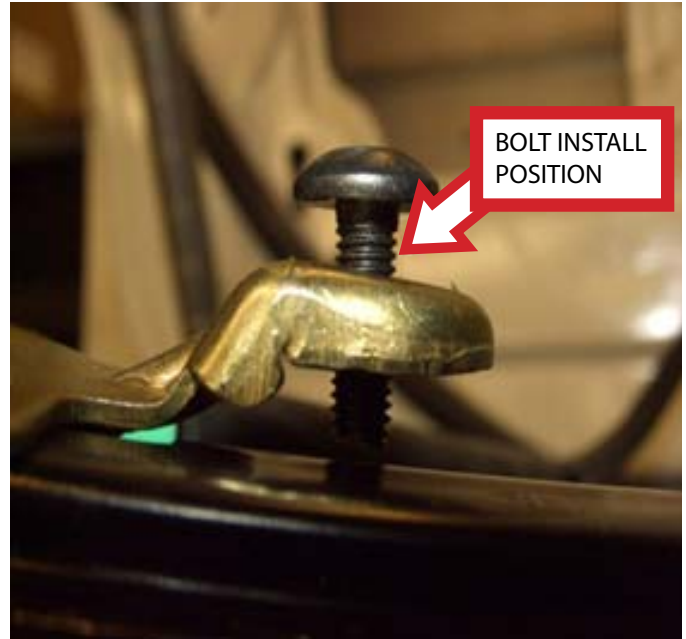
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STEP 3: The four (4) regulator track mounting bolts are threaded into the brackets only half way for easy installation to the door mounting holes.



STEP 4: Please start window regulator installation with:

- the electrical power connector disconnected from the lift motor

AND

- the window glass in the full up position.



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STEP 5: Install the right side track (side close to the front of vehicle) onto the door mounting keyhole slots - DO NOT TIGHTEN THE BOLTS !



STEP 6: Install the left side track (side close to rear of vehicle) onto the door mounting slots – DO NOT TIGHTEN BOLTS!



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STEP 7: Loosely place the motor onto the mounting holes, making sure that the cable behind the motor is aligned in the trough of the door sheet metal. **DO NOT TIGHTEN BOLTS!**

STEP 8: Push the motor housing tight against the door and tighten the three (3) mounting bolts securely.
(See photo in Step 1)



STEP 9: Remove tape or block from the window glass and carefully lower the glass to rest against the window slide (mounts).



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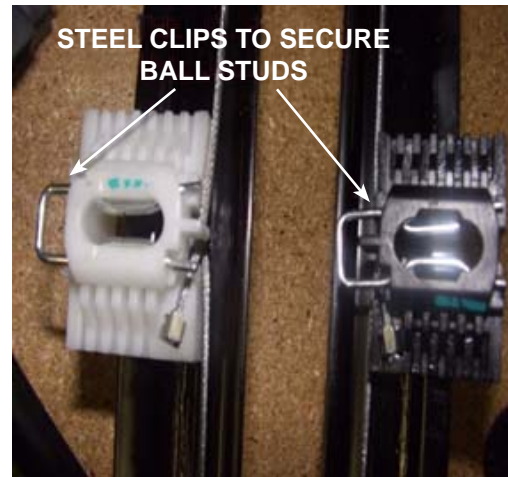
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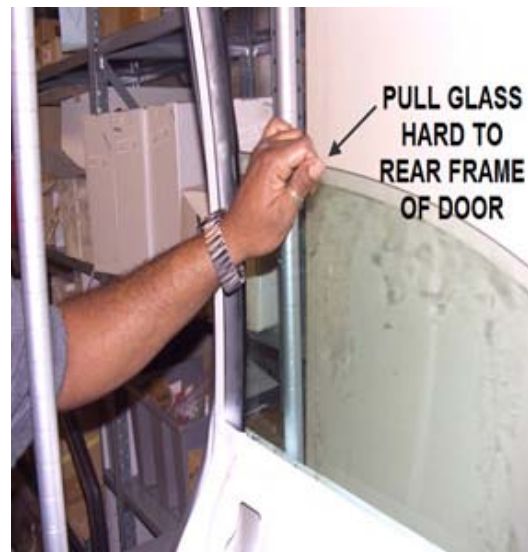
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STEP 10: Press the window ball stud into each window slide (mount) and secure by pushing the ball stud past the steel clip until it stops.

IT IS IMPORTANT TO DOUBLE CHECK THAT THE BALL STUD IS FULLY ENGAGED AND SECURE INTO THE WINDOW SLIDE AND CLIP ASSEMBLY FOR PROPER GLASS TRAVEL!



STEP 11: Place hand on the top of the window glass and pull the window hard to the left side door frame and into the window channel.



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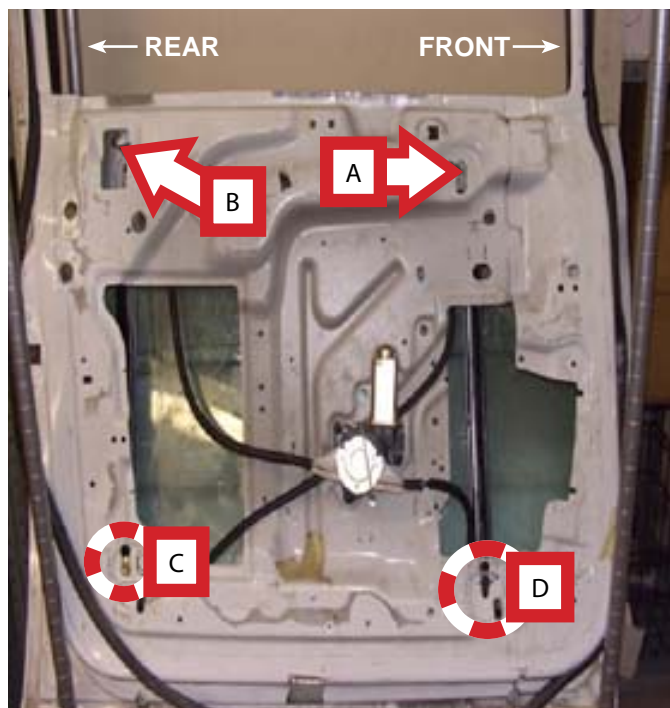
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STEP 12: While holding the window tight in this position, tighten the top mounting bolt on the driver front side track (side close to front of vehicle). **Note Bolt A.**

STEP 13: Continue to hold the window tight against the left side door frame and window channel and tighten the top mounting bolt on the left side track (side close to rear of vehicle). **Note Bolt B.**

STEP 14: Tighten both bottom mounting bolts for the left and right side tracks. **Note Bolts C and D.**



STEP 15: Attach the electrical power connector to the window lift motor and cycle the window up and down to check for smooth and level travel of the window glass. It may be necessary to hold the trim panel close to the door to reconnect the motor and test performance of the regulator.

STEP 16: Complete the installation of the door trim panel and door seals (as required).

We appreciate your opinions regarding this product!
Please call our Technical Assistant with any challenges or suggestions regarding the installation or operation of this product.

1-800-523-2492

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