VENT WINDOW RESTORATION

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Randy has been involved in the Chevy parts business for over 30 years. He is a wizard at creating, making and modifying custom parts for Chevys.

This month we are going to be restoring the vent window assembly of a 1963 Impala 2-door hardtop. These restoration steps will be very similar on all year and model Late Great Chevy, the only thing that will differ will be the restoration and repair parts used. There are several different options for this restoration depending on the desired finished product, (example glass, clear or tinted). This tech article will show you just how easy this project can be.

Photo #1: The vent window assembly mounts to the front of the door and not only holds the vent window in place but also supports the front of the door glass.

Photo #2a & 2b & 2c & 2d: There are two machine screws at the base of the lower vent window frame and one counter sunk self taping screw at the top of the vent window vertical channel. Remove all three screws and the vent window and seal can be removed from the vent window assembly.

Photo #3: The upper screw also holds the upper vent window stop P/N 509045 in place, this will obviously be replaced.

Parts Needed:

<table>
<thead>
<tr>
<th>P/N</th>
<th>Description</th>
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<tbody>
<tr>
<td>561686</td>
<td>Vent Window Frames</td>
</tr>
<tr>
<td>536709</td>
<td>Vent Window Glass (Clear)</td>
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<tr>
<td>513042</td>
<td>Vent Window Weatherstrip</td>
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<tr>
<td>536167</td>
<td>Vent Window Vertical Channel</td>
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<tr>
<td>509045</td>
<td>Vent Window Upper Window Stop</td>
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<tr>
<td>88-0300-1</td>
<td>Detail Gray Paint</td>
</tr>
<tr>
<td>534079</td>
<td>Vertical Fuzzy Channel Screw Set</td>
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Optional Parts:

<table>
<thead>
<tr>
<th>P/N</th>
<th>Description</th>
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<tbody>
<tr>
<td>536783</td>
<td>Vent Window Assembly (Left)</td>
</tr>
<tr>
<td>536784</td>
<td>Vent Window Assembly (Right)</td>
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</tbody>
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To order parts call 1-800-683-1961 or visit LateGreatChevy.com

Tools Needed:

- Flat Blade Screwdriver
- Drill & 1/8” Bit
- Phillips Screwdriver
- Punch

Time Frame:

3 Hours
Photo #4a & 4b: When the vent window seal is removed from the vent window frame assembly you will find three spring steel clips. These clips attach to the seal and hold the seal tight to the frame. The clips may still be clipped to the seal or stuck in the pockets on the frame, these clips will be reused with the new vent window seal.

Photo #5a & 5b: We will remove the inner and outer vertical vent window stainless steel moldings and have them polished. The moldings slide onto the vent window vertical channel from the top. A genital tap from the bottom of the moldings may be necessary to slide the moldings off.

Photo #6a & 6b: The vertical vent window seal (part of 513042) is held to the vent window vertical channel with small tabs bent into place. The two upper tabs of the seal protrude through front door glass fuzzy channel and are bent over to hold the fuzzy channel in place. Using a flat screw driver remove the vertical vent window seal.

Photo #7a & 7b: The fuzzy channel is also held to the front window channel with two rivets, one where the lower vent window frame is attached to the vertical vent window channel and one 2” from the bottom of the channel. Drill the two rivets out with a 1/8’’ drill bit and the fuzzy channel can be removed from the front door glass channel.

Photo #8: With the vent window assembly disassembled we glass beaded the door glass channel and lower vent window frame post and paint it with Eastwood’s Detail Gray paint P/N 88-0300-1.

Photo #9a & 9b & 9c: The replacement vent window vertical fuzzy channel P/N 536167 will be longer than the original channel; it is also cut square on each end. Using a pair of tin snips or a cut off wheel cut the channel to length with one end cut at a 45-degree angle.

Photo #10: The vertical fuzzy channel P/N 536167 is coated with the thin layer of rubber. The rubber must be removed so that the fuzzy channel will fit into the vent window door channel. Using a razor knife or a bench grinder with a wire wheel, remove the rubber from the sides and back side of the fuzzy channel. Make sure to remove only the rubber on the sides of the channel.

Photo #11: Install the fuzzy channel into the vertical vent window channel. The end of the fuzzy channel at the top of the vent window assembly is cut at the 45 degree angle. The channel can be cut with a cut off wheel or tin snips. The channel is recessed down from the top of the door channel 1/4”, this is to leave room for the vent window upper stop P/N 509045.
**Photo #15a & 15b & 15c:** With the fuzzy channel in place, mark the backside of channel where the two tabs will protrude though the fuzzy channel for the vertical vent window seal. Using a sharp punch, poke two holes in the fuzzy channel for the two tabs on the vent window seal.

**Photo #12:** There is a large and small lip at the bottom of the vent window seal, the larger lip goes to the inside of the car. 

**Photo #12a & 12b & 12c:** The vertical vent window seal is held to the vertical vent window channel with six small tabs. The tabs are offset on the seal; the wider spread will go to the top of the vertical vent window frame. The top two tabs on the seal will hold the vertical fuzzy channel to the vertical vent window channel. Using a flat blade screwdriver bend the four lower tabs over.

**Photo #16:** Next we install the vertical fuzzy channel. Hold the fuzzy channel tight in the vertical vent window channel and bend the two upper tabs from the vertical vent window seal over to hold the fuzzy channel in place.

**Photo #13:**

**Photo #14a & 14b:** The bottom of vent seal has a molded channel that will fit tightly in the lower vent window frame. Lubricate the seal with liquid detergent; this will help seal to snap into the vent window frame.

**Photo #14a & 14b:**

**Photo #17a & 17b & 17c & 17d:** Using the sharp punch make two holes in the fuzzy channel where the two original rivets were that held the lower part of the fuzzy channel to the vertical channel. P/N 534079 includes four #8 counter sunk machine screws, lock washer and nuts that will be used to hold the fuzzy channel in place. The counter sunk head of the screw will sink into the fuzzy channel so that there is no interference with the door glass like the original rivet.

**Photo #17a & 17b & 17c & 17d:**

**Photo #18a & 18b & 18c:** The original three spring steel clips will be reused to hold the vent window seal to the pot metal frame of the window. There are three notches in the vent window seal where the clips will attach.
window frame to the pot metal frame with the original machine screws. A couple drops of thread locker on the threads is always a good idea.

**Photo #20:** With the lower vent window frame attached to the pot metal frame the vent window seal can be installed into the pot metal frame by just pushing it into place.

**Photo #19a & 19b:** Attach the lower channel of the vent window frame to the pot metal frame with the original machine screws. A couple drops of thread locker on the threads is always a good idea.

**Photo #21:** New vent window frames are now available with or without the vent window glass. This saves you from sending your original frames to a chroming shop which always seems to take longer than they say. We chose to use the frames with the installed clear glass P/N 536783 (left hand) and P/N 536784 (right hand).

**Photo #22a & 22b:** To install the glass and frame first install the lower stem of the vent window frame into the lower vent window assembly frame. There are four small tabs on the stem, two will be on top of the stem bracket and two will be on the bottom. Next install the upper pin on the vent window frame into the hole in the pot metal frame where the frame will pivot.

**Photo #23a & 23b & 23c & 23d:** The upper door glass stops P/N 509045 fit at the top of the vertical fuzzy channel and are held in place with the screw that hold the vertical vent window channel to the pot metal frame. One side of the stop is wider than the other to cover the wider side of the pot metal frame. You may find it necessary to reposition the mounting hole in these vent window stops.

**Photo #23a & 23b & 23c & 23d:** The upper door glass stops P/N 509045 fit at the top of the vertical fuzzy channel and are held in place with the screw that hold the vertical vent window channel to the pot metal frame. One side of the stop is wider than the other to cover the wider side of the pot metal frame. You may find it necessary to reposition the mounting hole in these vent window stops.

**Photo #24a & 24b:** Using the original self tapping screw install the upper vent window stop in the vertical fuzzy channel and attach the channel to the pot metal frame. With the fuzzy channel, the vent window seal and the stainless polished, our vent window assemble looks great, and there will be no more leaks around the vent window glass. Good Luck.