"This article is intended for your reference only. Actual parts, years and body styles contained in this article may differ slightly from your application."
On a hardtop car the side glass has chrome frames that wrap around the outer edge of the glass and it has a rubber seal that holds the glass in the frames. In this article we will install the vent glass, door glass and quarter glass into the chrome frames. Next we will install the frames and glass into the car. Years ago the chrome frames were not reproduced. You were stuck with sending the old frames out to get rechromed, and if the frames were damaged and needed repair it was really tough to find someone who knew how to repair pot metal. All the reproduction frames are now available, so with new side glass you can restore everything for your hardtop.

Photo #1: The side glass setting kit #36-41 includes all the rubber to install the glass into the chrome frames. The kit will come with three different thicknesses of rubber taper: 1/16”, 3/64” and 1/32”. The vent window glass uses the thinner rubber 1/16” to hold the glass to the chrome frame. Cut a piece of tape that will reach across the top front and bottom of the vent glass leaving 1” longer pieces on each end.
Tools Needed:
Plastic mallet
Philips screw driver
7/16” wrench

Time Frame:
8 Hours

Parts Needed:
36-41 55-57 Complete side glass setting kit hdp/convt
36-145 Left hand vent frame with latch
36-146 Right hand vent frame with latch
36-33 Lower door glass channel
34-174 Door and Quarter Frame screw set Hardtop
36-104 2-Door Hardtop Quarter Window Frames
36-186 2-Door Hardtop & Convertible Left Door Window Regulator
36-187 2-Door Hardtop & Convertible Right Door Window Regulator
36-148 Quarter window top LH & RH
36-18 Vertical whisker strips for vent assm.
13-13 Vent window weatherstripping Hardtop
36-06 Whisker kit 2-door Hardtop
34-95 Vent window hardware kit
36-15 Door glass channel hardware
36-16 Window roller guide hardtop, convt. Nomad
09-43 Lower door glass bumper
36-38 Door glass adjusting plates
34-113 Cowl vent screw set
49-49 Caulking ribbon
34-101 Window regulator screw set
13-15 Vertical quarter glass seal (cloth covered)

Photo #2a & #2b: Lubricate the rubber tape on both sides with oil or liquid detergent, then wrap the tape around the front, top, and bottom of the glass. Slide the glass into the new vent frame #36-146. The vent frames for the hardtops are #36-145 for the left hand side and #36-146 for the right hand side. They come with a new latch. Slide the glass all the way into the vent frame.
Photo #3: With the glass slid all the way in the vent frame, wrap masking around the frame and glass to hold the glass on tight for 24 hours, the rubber will swell and trap the glass in the frame.

Photo #4a & 4b: The door glass chrome frame for the left hand is #36-133 and for the right hand is #36-134. These frames are the same for the hardtop or convertible. The door is cut with a tighter radius in the front and a larger radius at the rear, this is the only way the glass will fit the top frame.

Photo #5: Cut a piece of the 1/32” rubber tape that will cover the top and rear edge of the door glass, leave the tape about 1” at the top of the glass but cut the tape off 1/2” short at the rear of the glass.
Photo #6: Lubricate the rubber tape and slide the glass into the door glass frame, it may require a little tapping with a plastic or rubber mallet to get the glass all the way in the frame.

Photo #7: There is a rubber flap that is included in the glass setting kit, this will also hold the glass to the lower door glass metal channel. The flap goes to the outside of the door glass, this is the same side as the screws that hold the lower channel to the door glass frame.

Photo #8: The lower channel #36-33 fits tightly to the rubber flat. Use the mallet to drive the channel on. The two holes in the rear bracket on the metal channel will line up with the two holes in the door glass frame.
Photo #9: #34-174 is the screw set that will include all the hardware to reassemble the doors and quarter windows. There are two counter sunk #6 machine screws that will hold the door glass frame to the door glass bottom channel.

Photo #10: Wrap tape around the front and top of the edge of the glass top hold it in place for 24 hours.

Photo #11: Wrap a piece of the 3/64” rubber tape around the quarter glass and allow 1” of the tape to overlap itself.

Photo #12: The quarter window frames with tops are now available new for 2-door hardtops #36-104 for the pair. Lubricate the rubber tape and set the glass in the quarter letting the end of the tape fall at the rear of the glass.
Photo #13a & 13b: The quarter window tops included with #36-104 are the same from side to side, slide the top frame down on the glass in the front and anchor it to the quarter base with two #6 counter sunk screws supplied with the screw kit #34-174.

Photo #14: Next with a sharp razor knife cut off the excess rubber tape at the rear of the window frame where the quarter base and top frame meet and push the top frame in place and attach the top frame to the quarter base with a counter sunk #6 machine screw supplied with the screw kit #34-174.

Photo #15: After 24 hours the masking tape can be removed from the vents and door glass frames and the excess rubber tape can be removed. Using a sharp razor knife trim the rubber tape back even with the chrome frames.
Photo #16: Now we have vents, doors and quarter windows all restored and ready to be installed into the car. There is nothing that looks better than new glass in a fresh car.

Photo #17: We have restored our vent window assemblies with new vertical whisker strips #36-18 in the vertical cannel for the front of the door glass and have installed the vent window seals #13-13 for the vent glass.

Photo #18: The whisker kit #36-06 includes the vertical channel #36-18 for the back of the vent window assembly, the whiskers for the door and quarter window and the moe hair for the rear vertical channel in the door that supports the rear of the door glass.

Photo #19a, 19b & 19c: There is a channel that bolts in the rear of the door to support the door glass, the whisker strip kit #36-06 comes with new moehair that gets glued into this channel. Cut a section of the moehair about 1” longer than the channel. Using 3M’s Super Weather Strip Adhesive glue the moehair into the channel.
Photo #20: After letting the glue dry over night use a sharp razor knife and cut the excess mohair off from the door channel.

Photo #21: Place the vent window assembly down into the door and attach the assembly to the door using the hardware kit #34-95. The bracket on the bottom of the vent assembly will bolt to the inner door skin with two self tapping sheet metal screws and bolt to the top of the regular with two philips head machine screws with serrated washers. The hardware kit also supplies the two philips head machine screws to hold the regulator to the door.

Photo #22a, 22b & 22c: Now install the rear channel into the door, the channel is held to the door with a bolt kit at the top and bottom of the door #34-15 in the door jam area and allows for proper adjustment of the door glass.
Photo #23: The lower door channel #36-33 has two brackets that the roller guide #36-171 will attach to, the channel attaches to the brackets with two screws on each end.

Photo #24: The lower belt line stainless on a hardtop is held to the door with counter sunk screws #34-38.

Photo #25: There is a roller #36-16 at the top center of the door on a hardtop that keeps the glass from rattling in the door, install this before the door glass is installed.

Photo #26a, 26b & 26c: Slide the front of the door glass into the rear channel on the vent assembly and then the rear of the glass into the rear channel in the door, the glass should slide in smoothly all the way to the bottom of the door.
Photo #27a, 27b & 27c: There is a roller connected to the inside of the door glass also, only the roller is available not the complete assembly. Using a pair of pliers pry the two tabs open and remove the axle for the roller, replace the roller with #09-25 and reinstall the axle back onto the bracket.

Photo #28: The inner roller guide is directly opposite from the outer roller and has two adjusting screws.

Photo #29: This is how the door glass and window regulator is laid out in the door, two of the rollers from the window regulator will slide in the lower door glass channel and one roller from the regulator will slide in the idler channel that is bolted to the inner door skin.

Photo #30: Pass the window regulator #36-187 for the right side through the rear hole in the inner door skin and slide the two upper rollers into the lower door glass channel.
**Photo #31:** With the window regulator in position, install it in the inner door with four philips head machine screws and serrated washers #34-101.

**Photo #32a & 32b:** Next slide the short idler channel onto the single roller on the regulator and attach it to the inner door skin. The channel is held to the door with the same type of screws as the window regulator.

**Photo #33a & 33b:** With the glass in place install the door glass stop #36-11 this installs at the top of the vent assembly and is trapped under the vent assembly cap. The cap is held to the vent assembly with two counter sunk machine screws supplied with the vent assembly screw set #34-95.

**Photo #34a & 34b:** There is a stop at the top of the door, #36-38, to keep the door glass from rolling up too high in of the door. This will be adjusted when the quarter glass and flipper is installed.
Photo #35: The lower door window stops, #09-43 attach to bracket at the bottom center of the of the door. The glass will rest on this bumper when the glass is all the way down. With all the parts in place, using the window regulator roll the window up and down and make sure it works smoothly. Using the stud at the bottom of the vent window assembly and the lower bolt on the rear door glass channel make any adjustments necessary to make the glass work smoothly.

Photo #36a & 36b: The whisker kit #36-06 includes the whiskers and staples for the rear stainless belt line moldings. These whisker strips have predrilled holes. Using the drill bit supplied with the whisker strip drill new holes in the belt line molding.

Photo #37a & 37b: Once the holes have been drilled push the staple through the whisker strip and into the belt line molding. Using a pair of pliers, bend the staples over.

Photo #38: There is a flat stainless inner dog leg trim on the rear of the quarter window. It has a small curved piece of fuzzy material that keeps the window from rattling. The whisker kit #36-06 includes this material. The material is glued to a flat plate that is held in place with three bent over tabs.
Photo #39a & 39b: Bend the tabs up and remove the plate and fuzzy material, peel the fuzzy material from the plate and clean the plate. Glue the new material to the plate and then install it back on the stainless trim and bend the tabs back down.

Photo #40a & 40b: With all the stainless restored we are ready to put the quarter window in, first install the rear outer dog leg stainless. The dog leg wraps around the B-pillar and is held to the top of the quarter panel with one screw under the belt line stainless and three from the inside of the B-pillar.

Photo #41: Next install the belt line stainless, this is held to the body with five sheet metal screws. The belt line stainless will slip over the dog leg.

Photo #42a & 42b: The upper quarter window channel is held to the roof rail with four sheet metal screws #34-113. These are actually 55-56 cowl vent screws, they work great for this application. Apply a bead of caulking ribbon #49-49 on the top of the channel to seal the channel to the roof rail then using an awl locate the holes in the roof rail and screw the channel to the roof.
Photo #43a, 43b & 43c: There are two channels in the body for the quarter window, the long one is the one closest to the door jam and the shorter one is to the rear. The front channel has a stud at the top for adjustments and two screws at the bottom, the same screws that hold the regulators in place #34-101 work here. There is an adjusting stop at the bottom of the front channel to stop the window regulator from going past center and locking up, this will be adjusted after the glass is installed.

Photo #44: The rear curved channel has the stud at the bottom and the screw at the top.

Photo #45a & 45b: Next slide the two rollers on the bottom of the quarter glass into the guides and slide the glass down into the body. Work the glass up and down by hand and make sure it slides in the guides freely.
Photo #46a & 46b: Pass the regulator through the hole in the inner quarter panel and slide the one roller on the regulator arm into the lower guide on the bottom of the quarter base.

Photo #47: The regulator attaches to the body with four phillips head machine screws #34-101.

Photo #48: Roll the quarter glass up and adjust the door and quarter glass to where there is 3/8” clearance between the two window frames. Adjust the upper door stop so the top of the door glass is even with the quarter glass.

Photo #49: Now install the vertical quarter glass seal #13-15, this will slip into the channel on the front of the quarter glass. A small amount of liquid detergent will help the seal to slide in.

With all new side glass and frames in our 55 hardtop it’s really starting to look like a car and will really stand out at the shows. Good Luck!  
