

# VERTICAL DOORS INSTALLATION INSTRUCTIONS

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Remove headlight assemblies and side fenders. Secure door by using wood paint sticks or shims into door gaps. Space 3 or 4 shims around the door to prevent movement while removing the stock hinges. Once shims are in place you may now remove the hinges. Unplug the wire loom leading from the door into the cowl. Remove the rubber wire boot. Before installing the hinge you must cut an area on the inner panel to allow the hinge to mount flush. Hold the hinge into place and mark the area that is interfering and cut away as shown in figure 1.



Figure 1

Install the Vertical hinge using supplied bolts. Install hydraulic ram cylinders. There are two adjustment areas located on each hinge. One for the door height adjustment (A) and one for the opening stop (B), which will allow the door to only swing open approx. 12" before it rises upward. (See Figure 2 below).

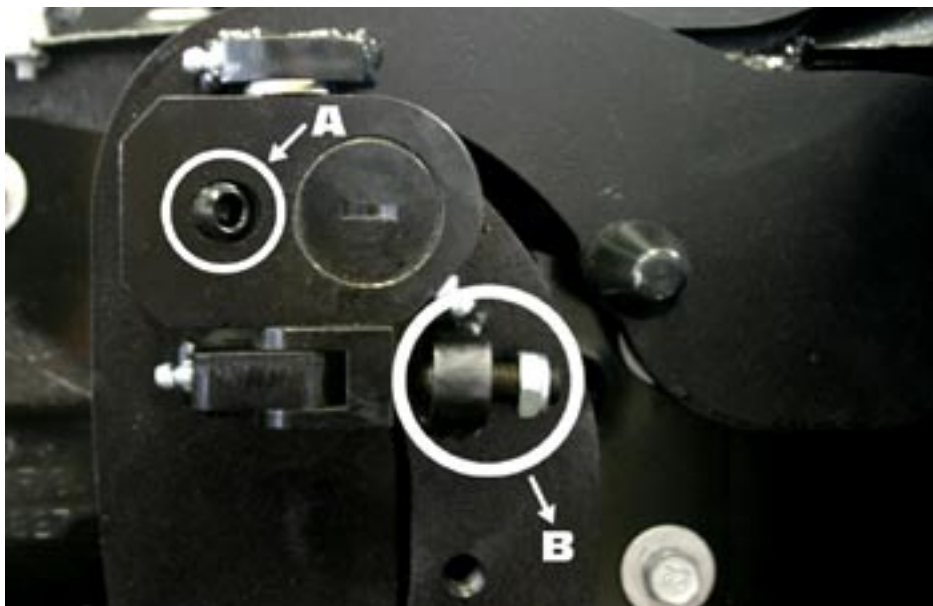


Figure 2

Once the vertical hinges are tightened, you may carefully open the door. Check for door height by slowly closing the door. Raise or lower the door by adjusting the allen screw (A) on the hinge (make sure locking nut is loosened before adjusting and tightened using lock-tite when finished). Once this step is complete you can now check for the swing adjustment. When opening the door it should swing approx. 12" before coming to a stop. At this point lift upwards until the door is all the way up. Open and close 5-10 times to insure that the door is operating properly and the adjustments are acceptable. When operating do not apply unnecessary pressure or make harsh movements as the door will move quite freely. This will eliminate premature wear or damage to the hinge assy. Plug the door wires back in and use the supplied black wire conduit to wrap the wires. Use a zip tie to secure the wire loom to the hinge so that it is kept out of the way during operation. Before reinstalling the fender and headlight assy. You must trim the inside of the fender and door as shown in figure 3.



Figure 3

Neither of these trim spots will require painting if done correctly. When trimming the door we found that it was best to use 3/8" masking tape to run along the leading edge as shown to get the correct width. This will leave you with a front door thickness of 3/8". When trimming the inside of the fender we also recommend using tape as a guide. This cut is not critical but we recommend 1" from the fender edge and when approaching the top of the fender, taper it up as shown in figure 4 so that you do not cut through the inner-structure. You will lose one mounting point on the fender when it is cut but it will not affect the strength. On the right side of the fender area you will need to relocate the vacuum canister as shown in figure 5 (next page) to allow movement of the hinge.





Figure 5

At this point you are ready re-mount the fenders and headlights. While mounting the fenders make sure to carefully check for door clearance when opening. Some additional slight trimming may be needed to ensure that the door does not hit the fender. Be sure to use plastic conduits to cover electrical wires. Hinges come pre-greased but should be greased every 6 months to a year depending on usage. This installation can be reversed at anytime so be sure to save all removed parts.

**Note: West Coast Corvette assumes no responsibility for any damages caused by improper installation or part failures.**