

RETROFIT OFFROAD

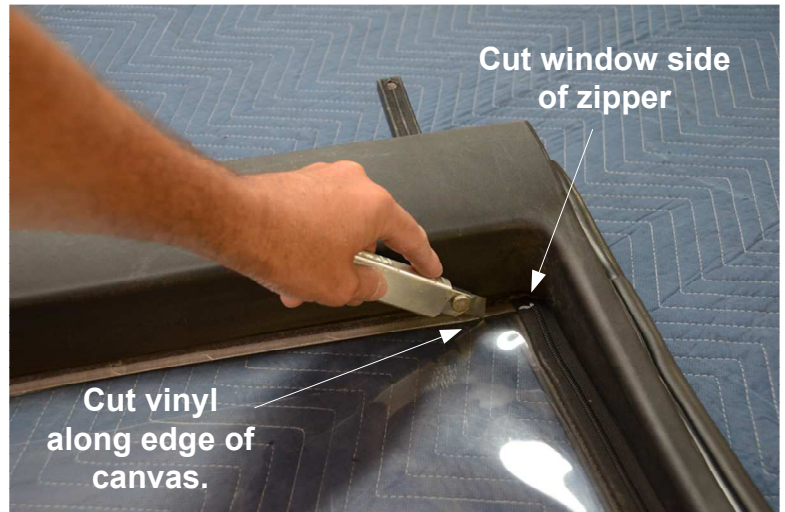
INSTALLING THE RETROFIT OFFROAD JK HALF DOOR SLIDER WINDOW KIT KIT CONTENTS

- * Two slider windows (four sliders windows for the 4-door kit)
- * Four brackets to secure the windows to the upper door frames (8 brackets for the 4-door kit)
- * Weatherstrip to seal the windows to the half door uppers
- * Screws to attach the clamp ring to the slider window frame
- * Screws to attach the brackets to the factory upper doors, or zip ties to attach the brackets to the Bestop or Rugged Ridge upper doors.

TOOLS REQUIRED

- * **Utility knife or scissors:** for removing the vinyl window and trimming the weatherstrip. Also for trimming the zip ties used in the installation in Bestop or Rugged Ridge uppers.
- * **Diagonal cutting pliers:** To remove the factory zipper slides.
- * **1/4" nut driver:** For driving the self-drilling screws that secure the inside clamp ring to the slider frame. A socket wrench, screwdriver, or socket wrench in an electric screwdriver could be used. A nut driver or socket is highly recommended because those are much less likely to slip off the screw head than a screwdriver. For driving the screws into the plastic factory upper, a **1/4" box end/open end wrench** may be easier to use than the nut driver/socket.
- * **Drill and 3/32" drill bit:** for drilling holes in the factory plastic upper for the screws to secure the brackets (factory upper installation only)

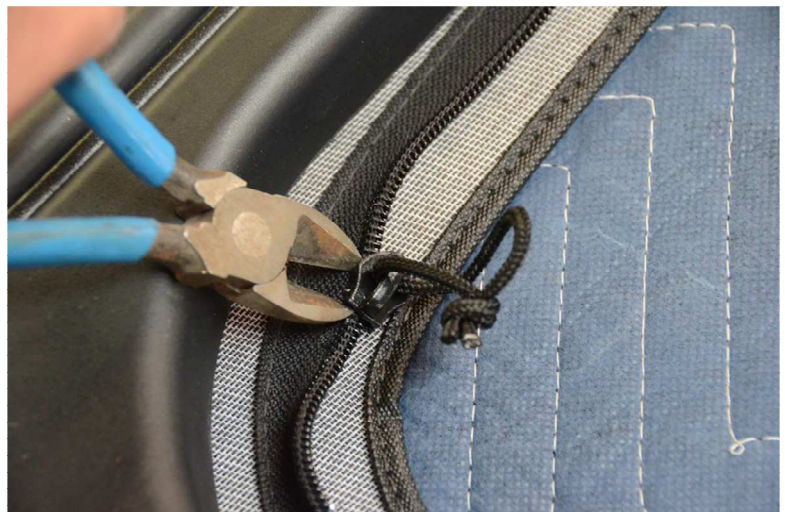
Step 1: Remove the vinyl window from the original upper door by cutting the vinyl just along the canvas with either a utility knife or scissors.



When window is removed, the upper will look like this.



Step 2: Remove the zipper pulls from the part of the zipper that's still attached to the upper. Cutting pliers can be used to force the zipper pull open wide enough to remove it from the zipper.



Step 3: Stick weatherstrip along the inner face of the window frame. Weatherstrip should be positioned just inside the edge of the frame and should not stick out from the frame.



Tip: Peel the backing off as you go so the weatherstrip doesn't stick to things you don't want it to stick to.

Weatherstrip should look like this when installation is complete.



Step 4: Insert the slider window into the opening from the outside.



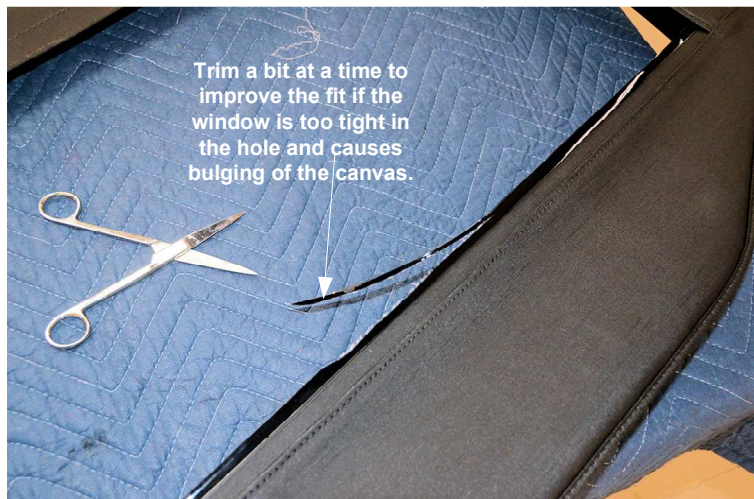
Test fit the clamp ring and the frame brackets as shown to familiarize yourself with the way the parts go together.



Step 5: Temporarily drive a few screws through the clamp ring holes into the window frame. Once the screws are in, turn the assembly over and check the fit. If the canvas is bulged anywhere, the following steps will help achieve a flat fit.



Tip 1: Bulges in the canvas can happen if the hole in the canvas is a tight fit around the window. In most cases the fit can be improved by trimming a little more off the bottom of the hole



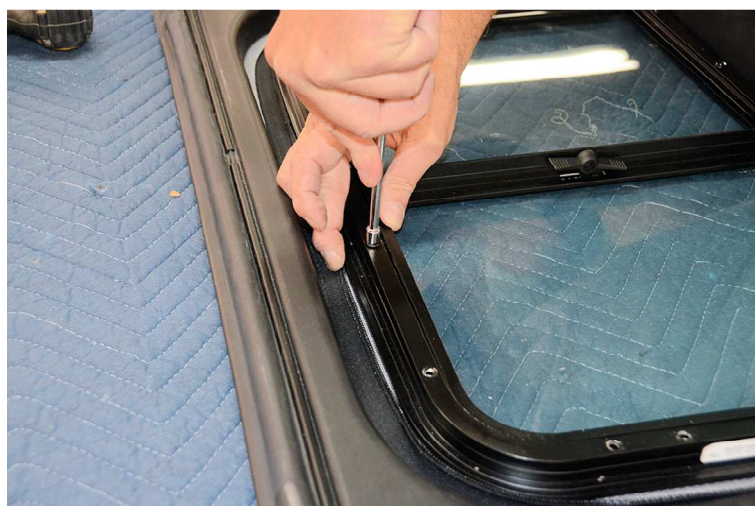
Tip 2: To pull the bottom part of the canvas tight while installing the window, put some tape on the canvas, pull it tight around the inner frame and stick the tape to the frame. Put the window in the opening, lay the assembly face down on the work surface, and remove the tape before installing the clamp ring.



Tip 3: To remove a stubborn bulge, double-sided tape can be used on the inside of the weatherstrip. The canvas can be pulled tight and stuck down to the tape before the clamp ring is screwed into place.



Tip 4: If any final adjustments to the canvas are necessary, the clamp ring screws in the offending area can be loosened, and the canvas can be pushed in between the window and the clamp ring and the screw tightened while the canvas is being pushed in place.



You may need to try perform the tips above a few times to get the canvas to fit to your satisfaction.

Step 6: Position the brackets so the holes in the brackets line up with the holes in the clamp ring.



Brackets should be positioned so the holes in the bracket line up with holes in the clamp ring. The outside edge of the bracket should be touching or close to the inside of the plastic upper frame. (If you're installing the windows in Bestop or Rugged Ridge uppers, your brackets will be different – see page 6 for instructions for installing those brackets.)



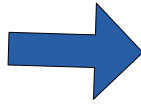
Step 7: Screw bracket into window frame. The screws will go through the bracket and through the holes in the clamp ring and will self-drill into the v-groove on the outside of the window frame. A nut driver (shown) is the best tool for this because there's no risk of a screwdriver slipping out of the slot and damaging the window.



Step 8: Drill holes in the frame of the upper for the screws which will secure the bracket to the upper. Since the screw heads of the screws installed in the previous step may interfere with drilling, they can be removed one at a time while each hole is drilled and reinstalled before moving on to drill the next hole.



Step 8: Drive screws into the holes drilled in the previous step. Because of the position of the screws, a 1/4" open end or box end wrench will be easier to use for this step than the nut driver.



Step 9: (No photo) Once the brackets are in place, drive screws into any remaining holes in the clamp ring to fully secure the window in place.

Note about installing sliders in the rear upper doors: your kit will include a right and a left window. They are meant to be installed so the sliding pane is towards the back of the Jeep and slides forward.



INSTALLATION COMPLETE!



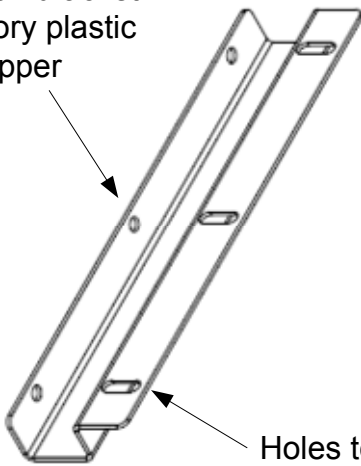
INSTALLATION IN BESTOP OR RUGGED RIDGE UPPERS

Steps 5-8 show the installation of the brackets that secure the slider window to the plastic frame of the factory upper, using the brackets pictured on the left below.

Unlike the factory upper doors, Bestop and Rugged Ridge upper doors have a frame made from steel rod. The brackets for this installation are shown at right below. These attach to the slider window frame in the same way that the factory version brackets do. They attach to the steel rod frame using zip ties.

Brackets for installation in factory upper doors

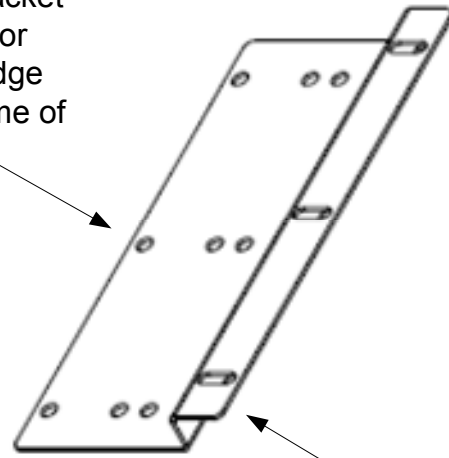
Holes for screws to attach bracket to factory plastic upper



Holes to for screws to attach bracket to slider frame

Brackets for installation in Bestop or Rugged Ridge upper doors

Holes for zip ties to secure bracket to Bestop or Rugged Ridge steel rod frame of upper



Holes to for screws to attach bracket to slider frame



Undo Velcro and slip bracket under metal rod frame. Secure bracket to frame with zip ties through holes in bracket. Ensure the zip tie clasp is on the inside of the door, pull tight, and trim excess*.