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Soft Top Installation Instructions

Tools Required:

29/64-drill bit for ½ 20 hole

Upholsterer Chalk

½-20 tap

1/8 drill bit for screw type studs, some prefer 9/64

5/32(.156) Drill for 8-32 Machine Screw Studs

11/32 wrench for studs, 11/32 nut driver for studs

Contact cement the gel type works better than the liquid type

brush to apply contact cement

Phillips screwdriver, Straight Blade Screwdriver

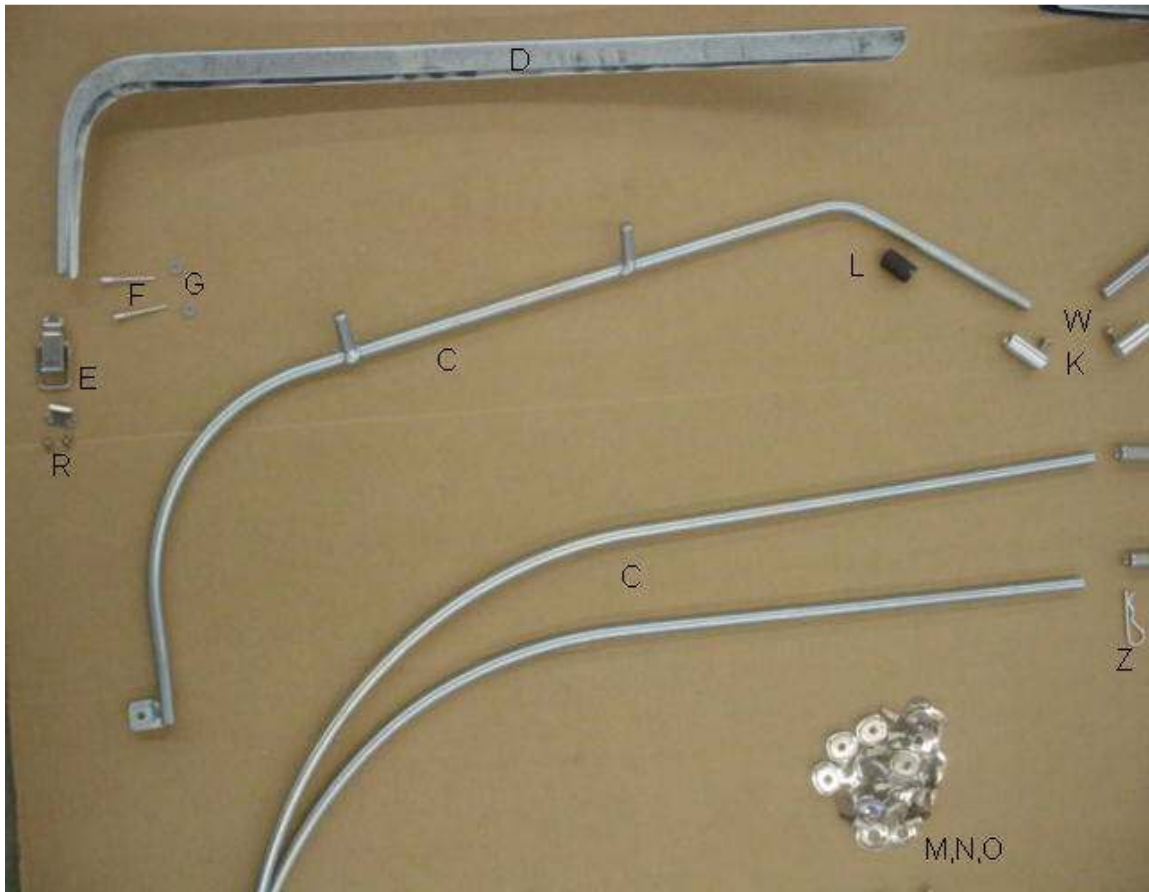
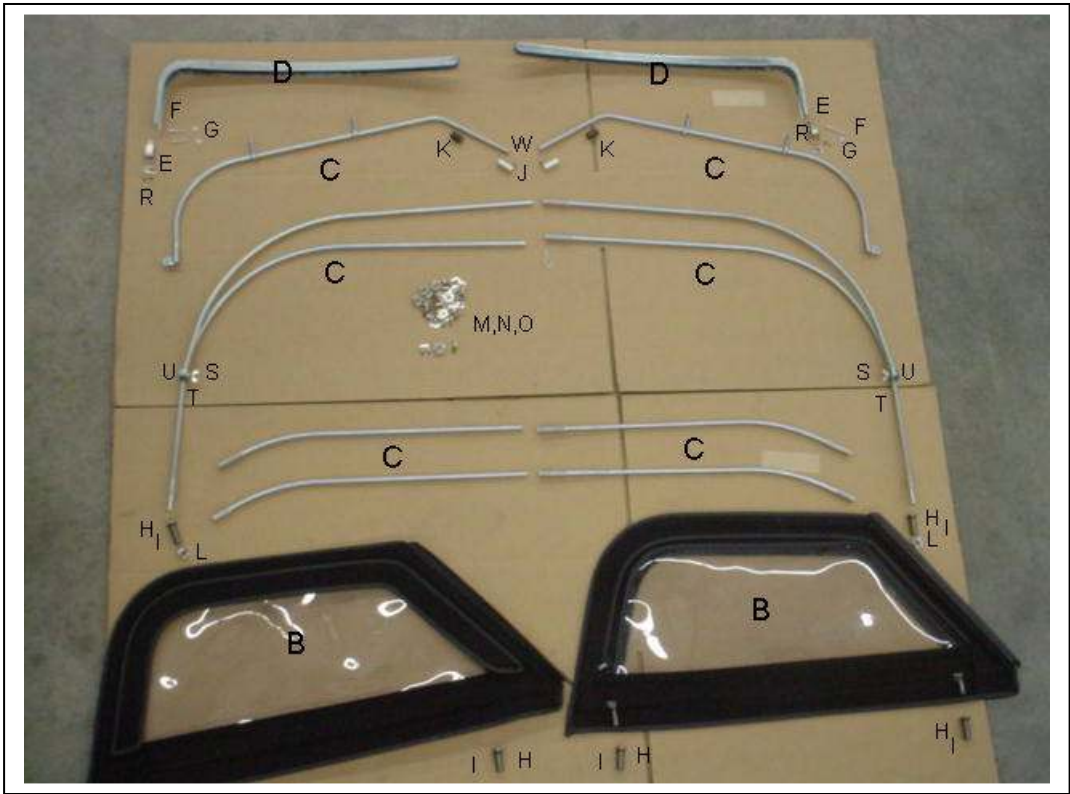
Razor blade

It is helpful to have a lift the dot punch (we rent this tool) or you can use the razor blade to cut the 5 holes required for each lift the dot snap.

Step 1:

Inventory Parts with your top.

- a. Soft Top Fabric
- b. 2 Side Curtains drivers side and passenger side
- c. Soft Top Frame Zinc plated 10 pieces
- d. 2 header bows zinc plated drivers side and passenger side
- e. 2 side latches
- f. 4 1/8 rivets
- g. 4 1/8 flat washers for rivets
- h. 6 stainless steel ferrules for top bows and side curtains
- i. 6 ½" ID o-rings
- j. 2 aluminum windshield support tubes
- k. 2 pieces 3/8" ID rubber hose
- l. 2 ½-20 jam nuts
- m. 13 lift the dot snaps
- n. 13 lift the dot back plates
- o. 13 lift the dot studs 8-32 or screw type
- p. 13 #8 SS washers for lift the dot studs not pictured
- q. 13 8-32 nylock nuts for lift the dot studs not pictured
- r. 6-32 x ¼ SS pan head screws
- s. 2 10-32 wing nuts
- t. 2 10-32 hex nuts
- u. 2 10-32 x 1 SS pan head screws
- v. 2 10-32 x 1 SS pan head screws use from your upper wind wing mounting block
- w. 2 10-32 x ½ Phillips fillister head SS screw (use to mount support tube w/o wind wings)
- x. Instructions
- z. hair pin clip



Step 2:

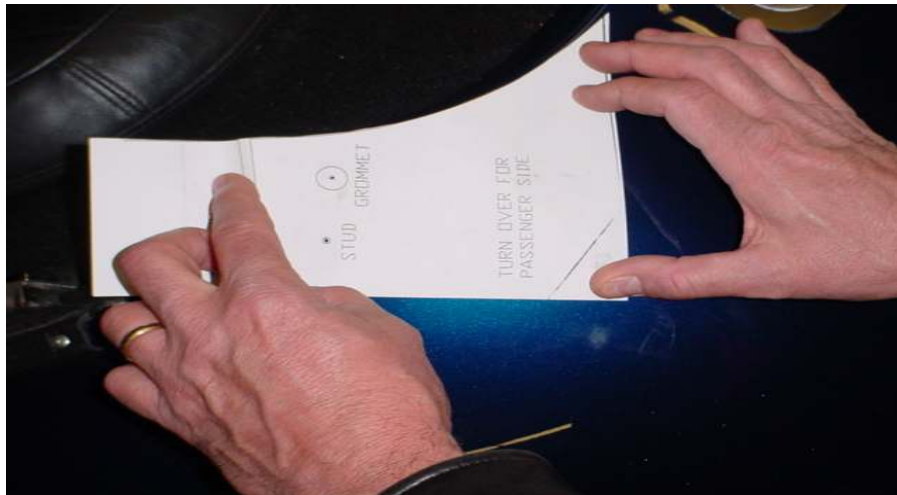
- a. Set the angle of your windshield to 53 degrees. This is measured from the top of the door to the inside edge of the windshield frame.



You may measure this angle, or open your door and use the side curtain to set the windshield angle.

Step 3:

- a. Use template printed off from instruction CD page---- and begin drilling body holes. The template lines up with the door opening and the inside radius of the body



Locate the template on the driver's side and mark the 29/64" hole for the 1/2-20 tap, and the 1/8 hole for the lift the dot stud. Turn the template over and repeat for the passenger side

- b. Drill the 29/64 holes for the $\frac{1}{2}$ -20 tap; hold the drill 90 degrees to the floor.

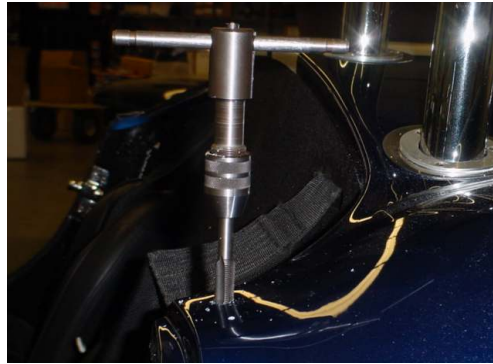


- c. Drill the 1/8" hole for the lift the dot stud

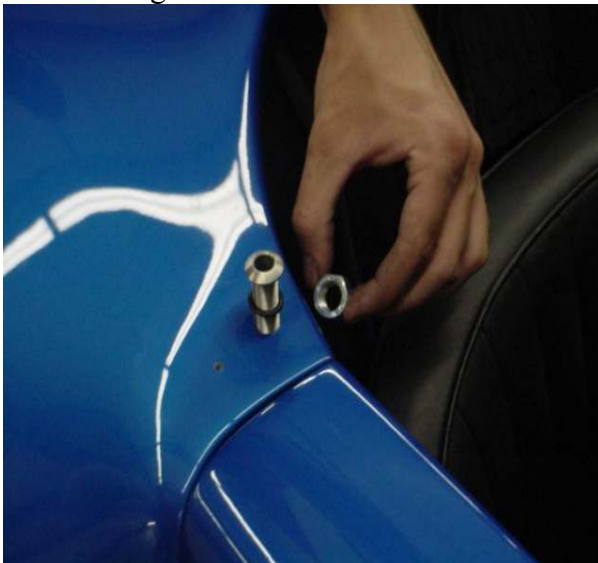


- d. Chamfer the 29/64 hole
Chamfer the holes when you drill in the door as well.

- e. Tap the 29/64" hole with a 1/2 -20 tap; again hold the tap 90 degrees to the floor.



- f. Install the o-ring on the ferrule and screw the ferrule into the body. As the ferrule is about 1/2 way down into the body place the 1/2-20 nut under the ferrule and begin screwing the nut onto the ferrule.



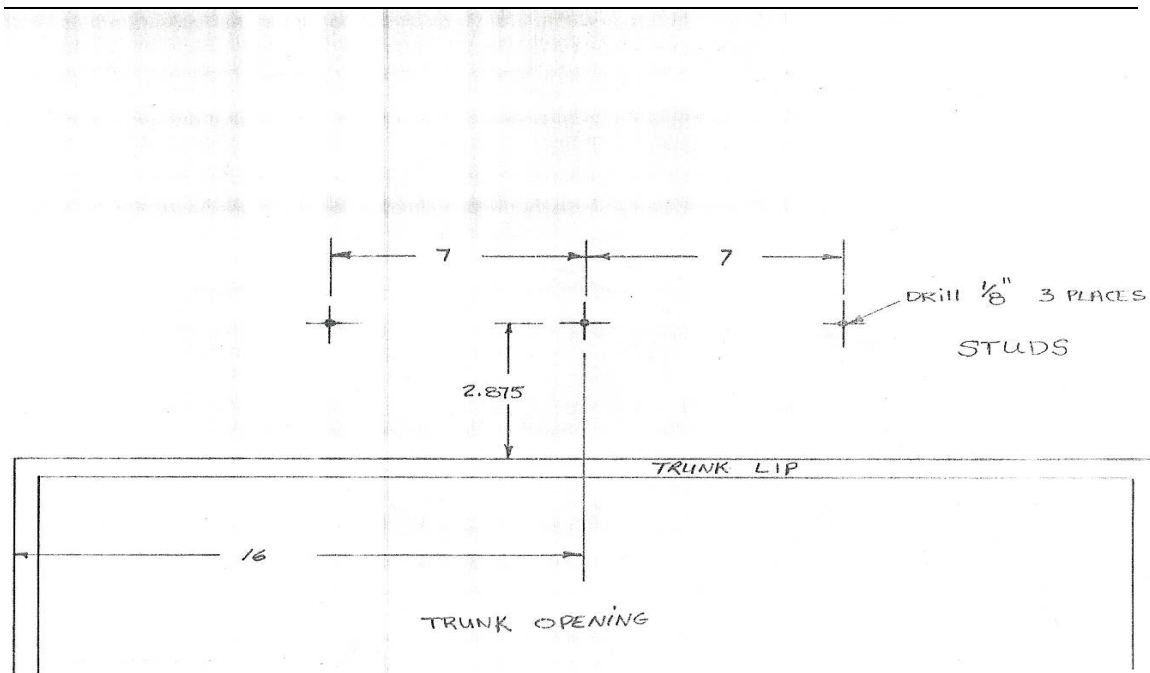
- g. Install the lift the dot stud, washer and nut on both the drivers and passenger's side of the car.



- h. Measure 2.875" from inside lip of trunk towards the back of the cockpit, and the center of the trunk measured between the trunk hinges. Drill a 1/8 hole here and install the center rear lift the dot stud.



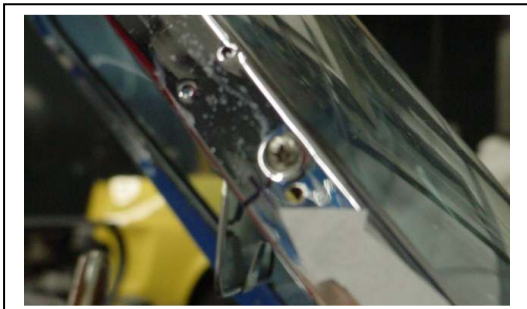
- I. You can drill the next two 1/8-stud holes now. Locate them as shown on sketch. Install these next two studs now.



Step 4:

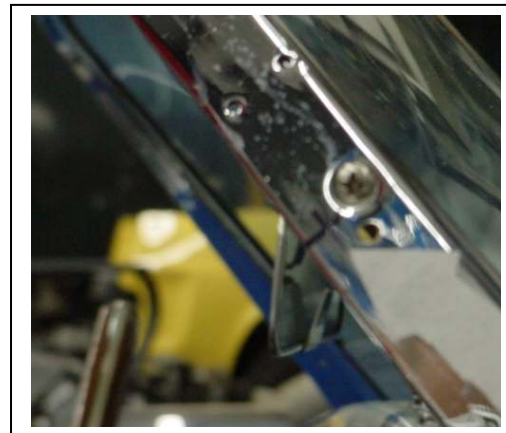
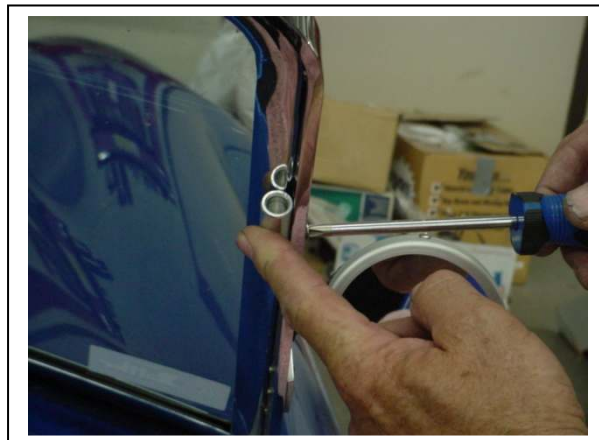
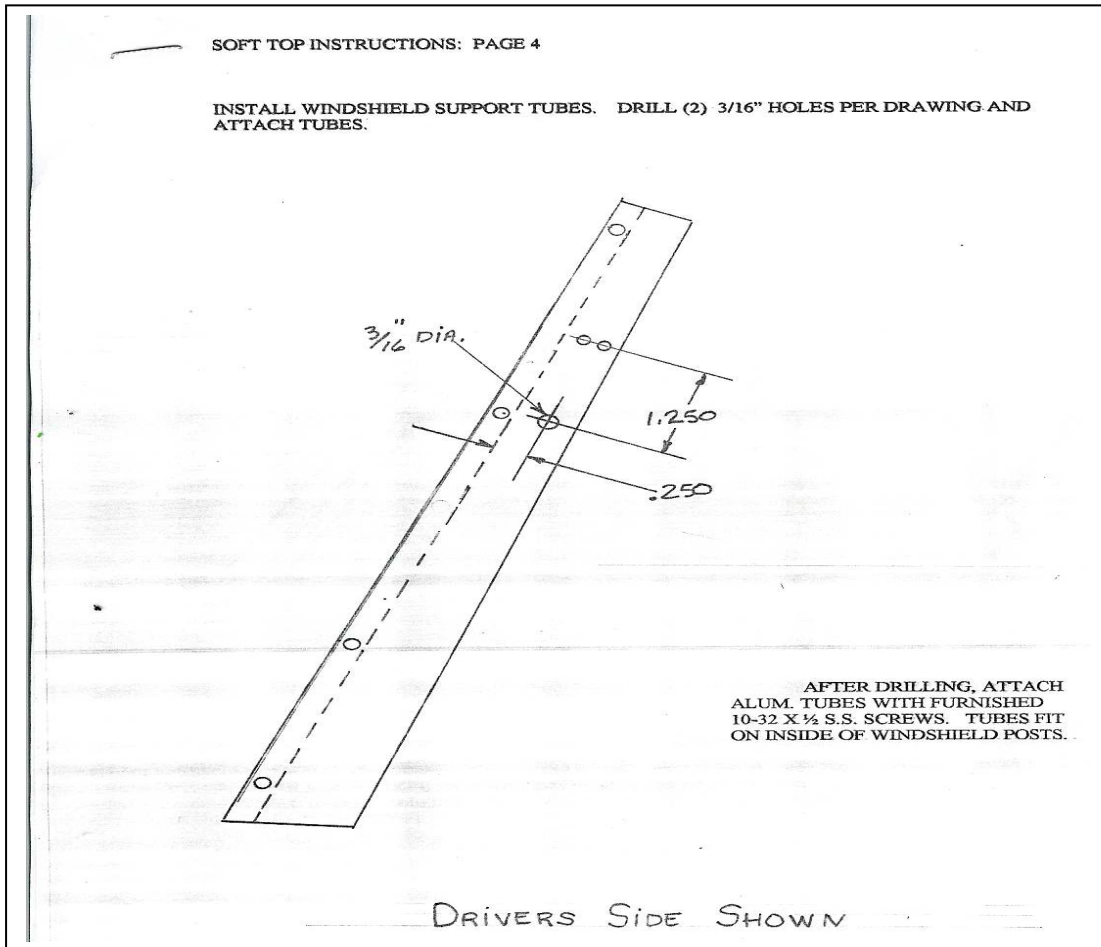
Mount Aluminum Windshield Support Tubes

- a. There are two 6-32 tapped holes in each side of the windshield post. These are the holes you will use to mount the side latch bars. You may mount these pieces now.



- b. 1.250" below these 2 holes, and $\frac{1}{4}$ inch behind the windshield glass drill a $\frac{3}{16}$ diameter hole for the aluminum windshield support tube. If you are using wind wings you may typically use the upper wind wing mounting bracket hole to hold these support tubes.

See diagram for hole location.



If you have wind wings you will need to reverse the mounting clamps so that the windwings pivot forward so you may open the door with the side curtains installed.

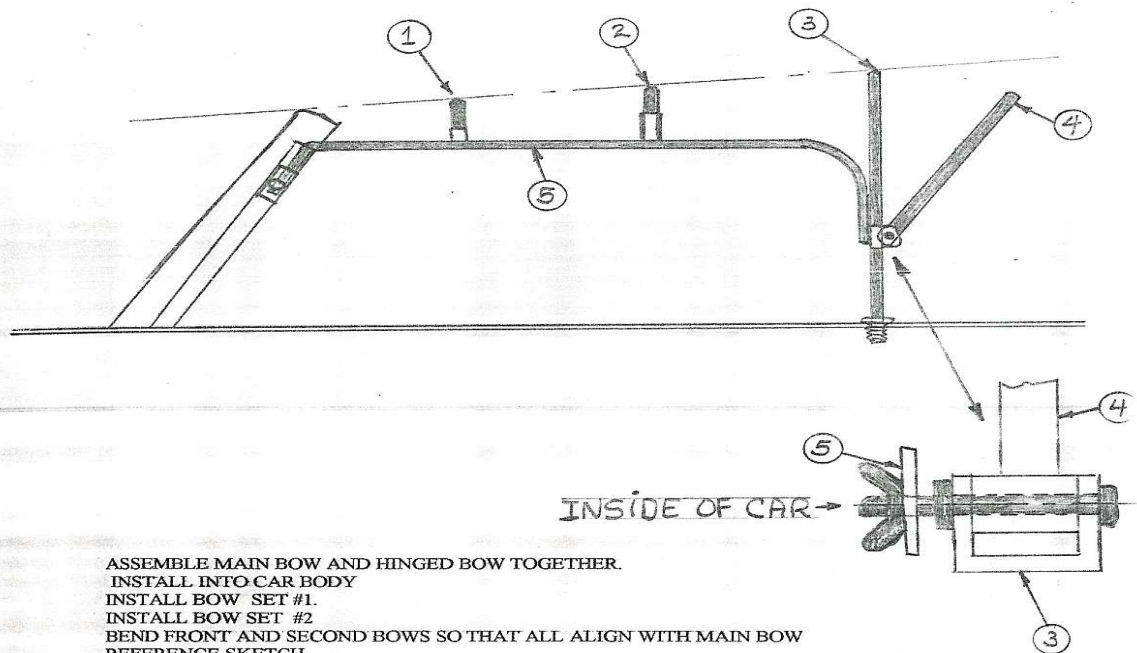


Step 5: Assemble Top Frame on Car





ASSEMBLE TOP BOWS. TRIAL FIT. PAGE 5



IF IT LOOKS GOOD, IT IS.

Install the 3/8 ID rubber piece K onto piece 5 as labeled in the above diagram, this will hold the metal support off of the inside of the windshield frame. You will need to lubricate the rubber to slide it into place.

Step 6: Assemble Top Fabric on frame

- a. Remove main bow from the passenger side only
- b. Insert top onto the two-rear drivers side bows through the two loops sewn into the top to hold them.



- c. Install the passenger side of the two-rear top bows through the loops in the top. Be sure the two bows slide together in the center.
- d. Reinstall the two rear top bows on the car with the top fabric attached. Use two people for this step.



- e. Reinstall the rest of the frame, the two side bows and the two front crossbows.
- f. With all top bows in place and the top fabric installed on the frame, lay the front of the top fabric over the windshield; you may want to use tape to hold it in place.



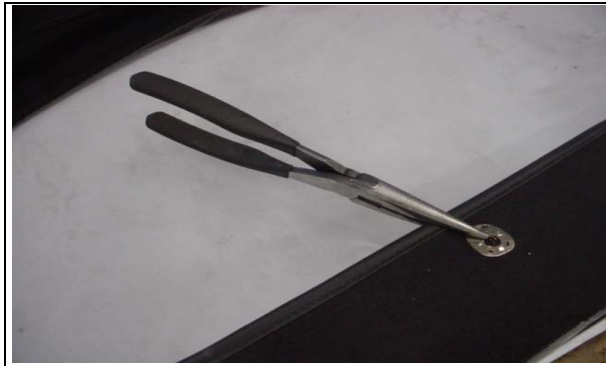
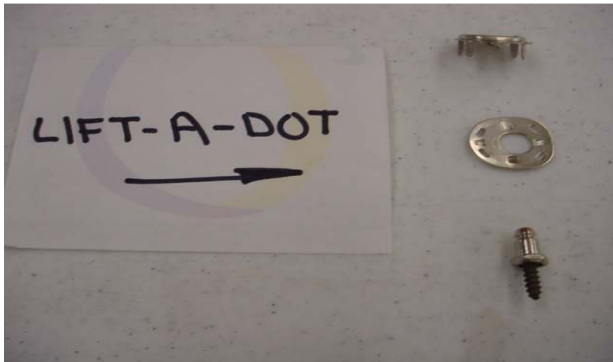
- g. Pull the top into position; line up the sides of the top behind the doors. Locate the front of the sewn flange of the top even with the back of the doorjamb on both sides of the car. This photo shows the lift the dot installed so you can see the correct location of the snap.



- h. Basically you will locate the lift the dot stud in the sewn top flange, mark with a marker or a slight cut over the stud on drivers and passengers side of the car.
- i. It is now time to punch the holes for the lift the dot snaps. If you have the punch pliers you may leave the top on the car. If you are using the punch or a razor blade it is recommended to remove the top a safe distance from the car to avoid body damage.



- j. Insert the lift the dot snap through the fabric, install the lift the dot back, and bend the 4 legs of the snap over the back plate. We usually use needle nose pliers for this.



- k. Reinstall the top on the car and snap the drivers and passenger's side lift the dots to the studs in the body.
- l. Move to the rear of the car and pull the top fabric snug to align the rear center top snap. It will go in the center of the top left to right and the sewn top flange. Locate and mark this location, punch hole as done on the sides and insert the lift the dot snap. This photo shows the snaps already installed to make the locations easier to see.



- m. You may mark the two rear snaps adjacent to the center stud at this time as well.

- n. Snap these five snaps to secure the rear and sides of the top.



- o. Align and pull the fabric snug over the windshield, tape it to the glass.

Reference picture from Step F

- p. With the top in position and the fabric pulled tight note the location of the sewn flange on the rear top fabric on the deck lid, mark this location on the body with paint safe masking tape.
- q. Unsnap the top and lift the rear of it up off of the body. Then lift the dot studs have already been installed in these photos so their approximate locations are easier to see.



- r. Mark the locations of the remaining 8 lift the dot studs in the body. This location is based on the tape mark you put down in the previous step for the correct front to back spacing. We usually space them approximately 7 inches apart left to right. Be sure to follow the location of the top, and be careful that your spacing does not interfere with your roll bar bezels or anything else that might be on your car. Drill and install the 8 remaining studs.



- s. With all 13 lift the dot studs installed pull the top back down and snap the 5 snaps you previously installed. Be sure the top fabric is tight and in the proper location. Mark the remaining 8 snap positions in the top fabric punch as you did the other five and install the lift the dot snaps.
- t. Secure the rear of the top with all 13 snaps

Step 7. Attach header bows to windshield frame.

- a. The header bows will need to be trimmed. Place the pin in the center of the header bow in the top of the windshield slot pull it down over the windshield frame. Mark the sides to see where to cut. The header bow legs will need to be trimmed to clear the side clamp holes that you installed with the 6-32 screws earlier.

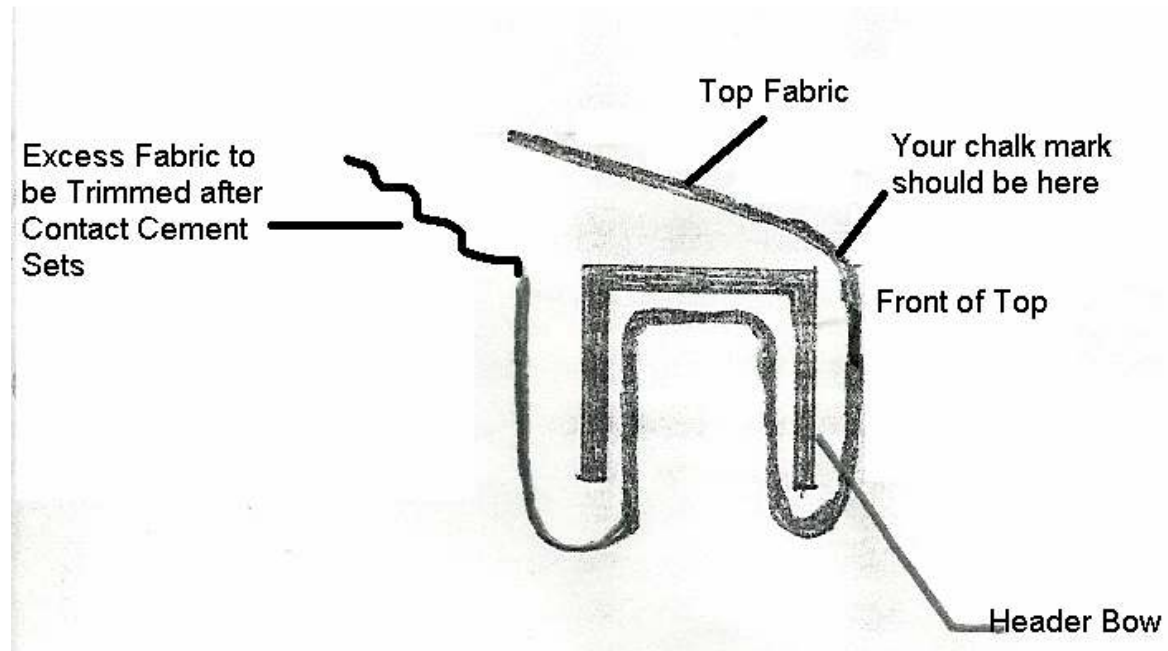


- b. After trimming the header bow sides position the latch in the closed position, and mark where to drill the latch mounting holes.
- c. Drill two 1/8 holes in the header bow. Do not install the latches until the top cloth is installed.
- d. Leave the header bows in the windshield frame where they will be when the install is complete.

Step 8. Attach fabric to windshield header bows.

- a. With bows 3 and 4 only installed (BE SURE BOW 4 IS BEHIND THE ROLL BAR) and all snaps snapped, pull and smooth the top fabric over the windshield header bows installed on the windshield frame. Pull the fabric as tight as possible, look it over and be sure it looks smooth and even.
- b. While the fabric is pulled tight, make a chalk mark on the top material that will show you where the top edge of the header bow is touching the top fabric.

This takes 2 people. Pull the fabric tight and be sure the top is centered left to right. Mark the top edge of the windshield header bow, this will show you the correct location of the header bow on the top fabric.



- c. Now that you have everything lined up put the contact cement on the header bow and the bottom of the top fabric as shown on the drawing.
- d. Following the instructions on your contact cement pull the top over the 2 header bows one at a time. Locate the top fabric based on the marks you made earlier.
- e. Press the top fabric across the front of the header bow, then use a block of wood to press the top fabric snugly against the inside of the header bow, press the top fabric against the back side of the header bow.



- f. You will need to cut a small slit inside of the header bow to allow the pin in the center of the bow to come through the fabric. This picture shows the fabric wrapped and also weather-strip inserted inside the channel, you may do this to help the top seal tighter to the windshield if you wish.

- g. Install the 2 side latches with the 1/8 rivets in the holes you drilled earlier.
- h. After installing the latches you may install the header bows on the windshield.



- i. You may need to finesse or trim the sides of the top to get the fabric to cover the sides of the header bows.
- j. Get it looking good and use contact cement as needed.
- k. After all of this sets up, unlatch the top and either trim the excess fabric from the inside or you may roll it up over the top edge of the header bow to completely cover the header bow, contact cement it in place.



- l.** Drive the car a few hundred miles, get it wet, drive it wet, let it dry in the sun. The fabric needs to be stretched to its maximum.
- m.** Once the fabric has stretched then install the side bows (5) and the 2 front bows numbers 1 and 2

Step 9. Install Side Curtains

- a.** SEE DIMENSIONS ON SHEET LABLED DOOR WINDOW INSTALLATION
- b.** It is a good idea to locate these holes and check alignment before drilling them to size.
- c.** After drilling and chamfering the 29/64 hole and tapping 1/2-20 in the locations shown in both doors screw the SS ferrules with the o-rings on them into the doors. It would be a good idea to put some Dura mix PEC4179 or some sort of thick 2 part epoxy into these holes before installing the ferrules. This will give you more support for the windows in the thin section of the door, once that dries the ferrules will not be able to be removed. This extra support will help prevent the fiberglass from spider webbing around the ferrules.
- d.** Install the side curtains in the ferrules.
- e.** Trim the excess rubber on top and bottom as required to seal your car.





All Done!

**Thank you for your purchase, please email any questions or
comments revision 1.0 11/30/04
Revision 1.1 4/27/05**