



# SPECIALTY TOP CO.

## INSTALLATION INSTRUCTIONS

1976-1995 CJ-7 & WRANGLER FAST TRAC Z

PART #119-31X FULL TOP

FOR USE WITH HARD DOORS, 2 PIECE DOORS, FULL OR UPPER SOFT DOORS

Thank you for purchasing Specialty's Convertible Top for your Jeep® vehicle. It has been designed for great fit and long wear. Please read and follow, precisely, all installation instructions provided when installing top. Failure to do so may result in a poor fitting top and could place occupants in a potentially hazardous situation.

### TOOLS REQUIRED:

- |                 |                         |
|-----------------|-------------------------|
| 3/8" WRENCH     | 7/16" WRENCH            |
| 1/2" WRENCH     | #2 PHILLIPS SCREWDRIVER |
| 1/8" DRILL BIT  | 5/32" DRILL BIT         |
| 3/8" DRILL BIT  | 1/4" DRILL BIT          |
| ELECTRIC DRILL  | #45 TORX WRENCH         |
| #50 TORX WRENCH | 8' TAPE MEASURE         |
|                 | STANDARD SCREWDRIVER    |

**NOTE: TORX ONLY FOR WRANGLER MODELS**

**Windshield Adjustment.** If your windshield frame is improperly adjusted, the top will not fit or function properly. Adjust windshield frame to measurement as shown in **figure 1**. Hook tape measure on flange at the top of windshield frame, 20" to either side of center of windshield and measure to edge of body as shown. If windshield is out of adjustment loosen the four bolts at bottom of windshield frame. Move windshield frame forward or to the rear as necessary until the proper measurement is reached. Additional torx bolts will need to be loosened on the roll bar (under roll bar pad) for Wrangler models. Once the proper windshield measurement is reached tighten all windshield and roll bar bolts. **See figure 2.**

### INSTALLATION TIPS

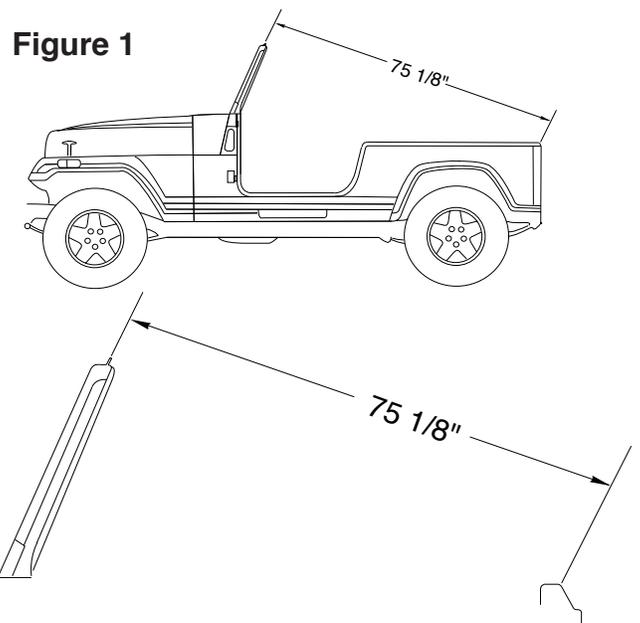
Before you begin installing this top, here are a few tips to make installation easier.

This top should be installed where the temperature is above 72 degrees Fahrenheit. Below this temperature, the top may contract making it difficult to install.

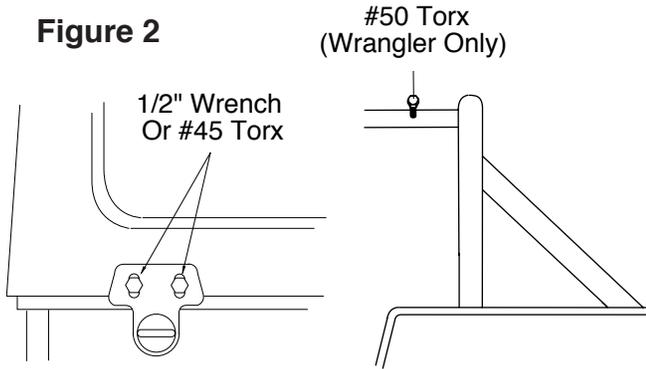
It is normal for a top to contract and wrinkle when stored in the shipping carton. The top will relax and wrinkles will disappear within a few days of installation as fabric adjusts to shape of mounting hardware.

### INSTALLATION PROCEDURES:

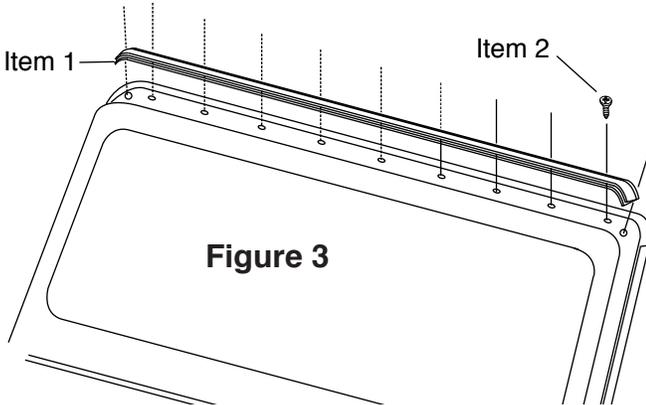
On page 8 of this instruction manual there is an assembly drawing. Please refer to it for identification of parts and assembly assistance. Also refer to page 9 to assure that all parts are included in your kit.



**Figure 2**



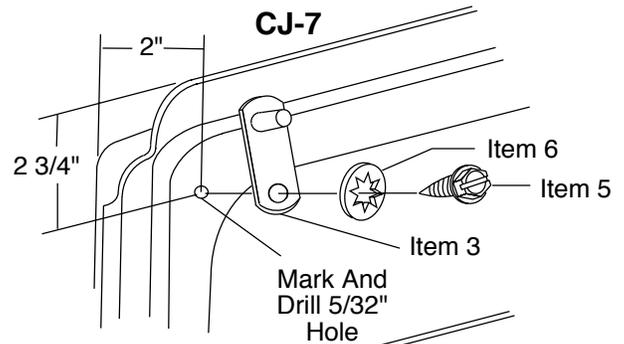
**Step 1. Windshield Retainer.** Install windshield retainer (**Item 1**) on top of windshield frame centered from side to side and with the rear next to vertical flange on frame. Mark and drill 1/8" holes using windshield retainer as a template. Secure to windshield frame with #10 x 1/2" sheet metal screws (**Item 2**). See figure 3.



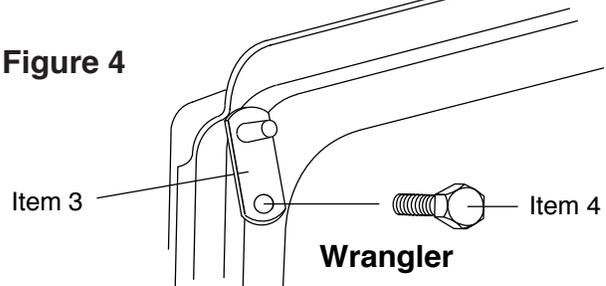
**Step 2. Horizontal Rod Bracket. Wrangler:** Remove the factory bolt in the roll bar header plate using #45 Torx wrench. Install horizontal rod bracket (**Item 3**) with 5/16 x 3/4" bolt (**Item 4**). There is 1 left and 1 right bracket. The peg on the bracket should be mounted so that it is to the outside of the vehicle. See figure 4.

**CJ-7:** Mark hole locations on windshield frame as shown in figure 4 and drill 5/32" hole. Secure horizontal rod bracket (**Item 3**) to frame with #14 x 1/2" sheet metal screw (**Item 5**) through star washer (**Item 6**).

**Step 3. Belt Rails, Vertical rod Brackets and Corner Plates:** Note: Some CJ-7's may require drilling for this step. Check under the body edge before drilling any holes as wiring may be present. If you do not need to drill any holes disregard all drilling operations. Measure 74 3/8" from the door opening to find the starting point. Mark and drill a 3/8" hole centered on the body edge. This will be location of the last hole on the belt rail (**Item 7**). There are left and right belt rails. The right belt rail is labeled "R" and the part that goes towards the front is labeled "F". Secure the rail with 5/16 x 3/4" hex bolt (**Item 4**), 5/16" flat washer (**Item 9**) and 5/16-18 rectangular nut (**Item 10**). See figure 5. Tighten bolts only enough to hold

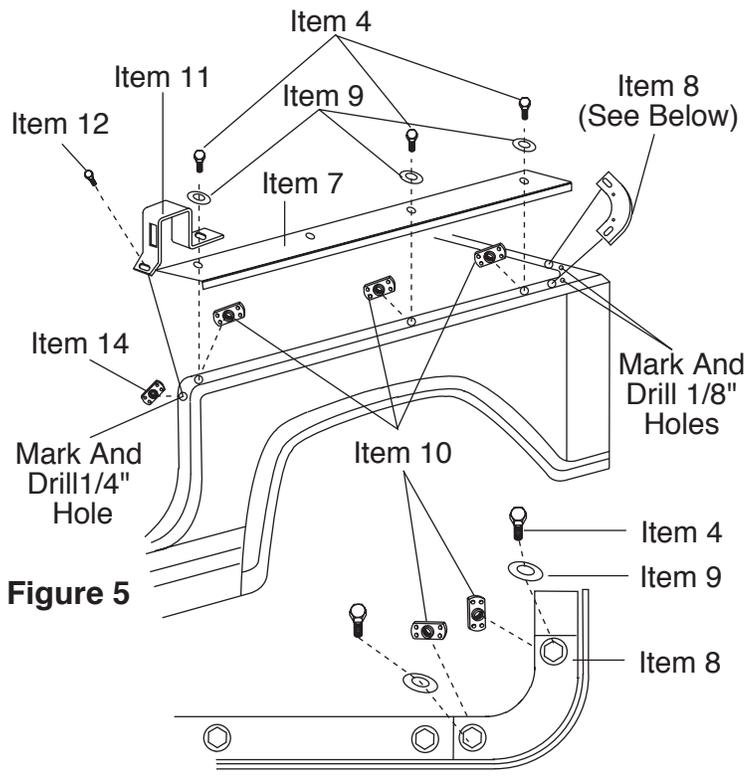


**Figure 4**



belt rail on. Continue marking and drilling holes using the holes in the belt rail as a template. Secure with the 5/16 x 3/4" hex bolt (**Item 4**) through 5/16" flat washer (**Item 9**) and 5/16-18 rectangular nut (**Item 10**) making sure the belt rail is flush with the inside body edge. See figure 5. Now tighten all bolts making sure belt rail is flush with inside of body edge. Position vertical rod bracket (**Item 11**) on top of belt rail at the door opening over front hole in belt rail. Secure with 5/16" x 3/4" hex bolt (**Item 4**) through 5/16" flat washer (**Item 9**) through vertical rod bracket (**Item 11**) to top of the body and into the 5/16-18 rectangular nut (**Item 10**) and tighten. Figure 5 Using the vertical rod bracket as a template, mark and drill a 1/4" hole centered side to side on door flange of the body near the top of the door opening. See figure 5. Secure front of bracket with 1/4"-20 x 5/8" machine screw (**Item 12**) through vertical rod bracket and into 1/4-20 rectangular nut (**Item 14**). Figure 5. Butt the corner plate (**Item 8**) against the rear of belt rail. Mark and drill two 3/8" holes using the oval holes in corner plate as a template. Secure corner plate to body with items 4, 9 and 10. Repeat for other side. See Figure 5. Note: The vertical and horizontal rod brackets may need to be moved from side to side later in the installation to seal around the door opening properly.

**Step 4. Bow Mount.** Position bow mount bracket (**Item 16**) so that the inside set of holes in the bracket are to the inside of the body. Insert #12-24 x 1/2" truss head screw (**Item 17**) through the outside rear hole in bow bracket and into the pre-punched hole in the belt rail. Fasten with #12 flat washer (**Item 13**) and #12-24 hex nut (**Item 18**). Do not fully tighten. Using the front outside hole in the bow mount as a template, mark and drill 5/32" hole for front hole location, making sure that bracket is parallel with body. Secure with #14 x 1/2" sheet metal screw (**Item 5**). Tighten both screws at this time. Repeat for the other side. See figure 6.

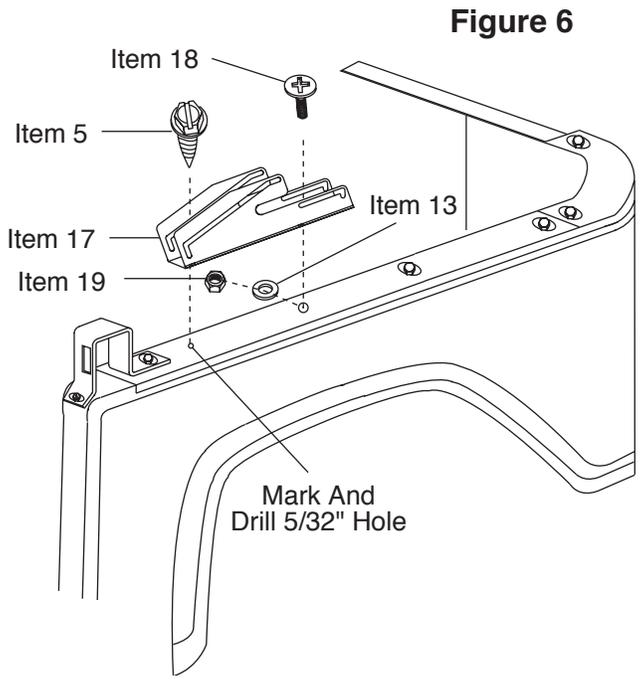


**Figure 5**

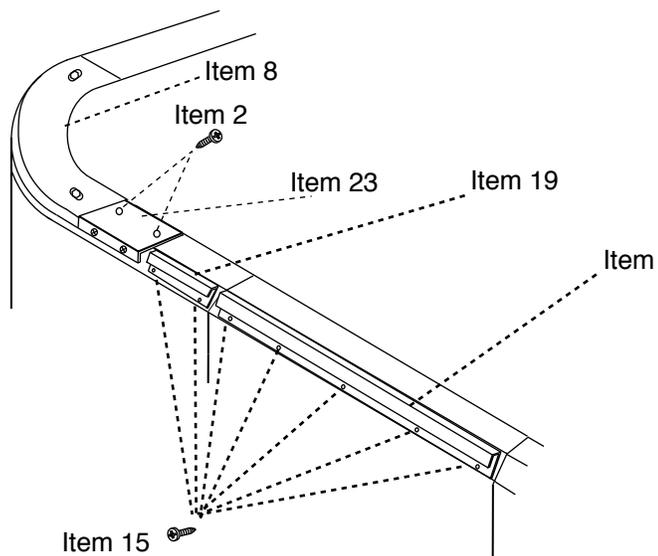
**Step 5. Corner Clips.** Butt corner clip (**item 23**) against the corner plate (**item 8**). Keeping the inside edge of the corner clip as close to even with the inside edge of the body as possible and so that the pre-installed bolts in the clip are touching the body. Using the corner clip as a template, mark and drill 1/8" holes. Secure to the body using #10 x 1/2" sheet metal screws (**item 2**). **See figure 7** Repeat for other side. **Note: Before installing the clip, make sure the two bolts that are pre-installed in the corner clip are tight.**

**Step 6. Tailgate Clips.** Place tailgate clip (**item 19**) even with the opening in the tailgate. Position the bottom edge of the opening in the tailgate clip so that it aligns with the bottom edge of the corner clip. **See figure 7.** Using tailgate clip as a template, mark and drill 1/8" holes. Secure to body using #8 x 1/2" sheet metal screws (**item 15**). Repeat for other side.

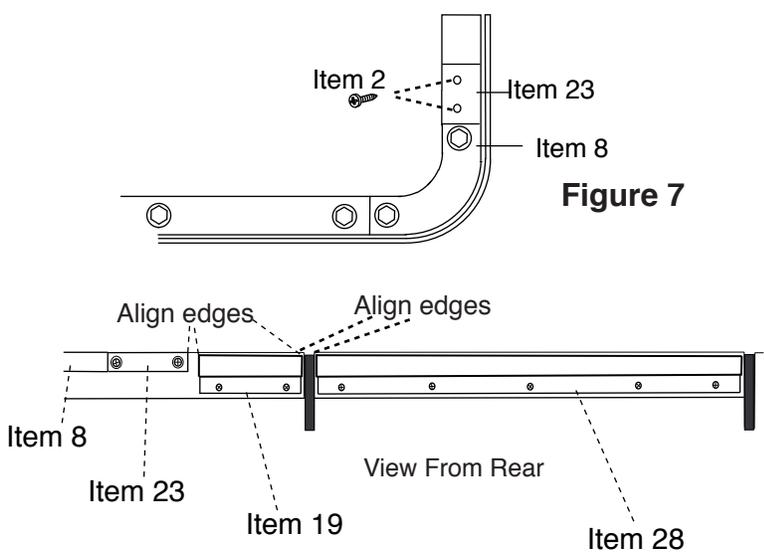
**Step 7. Tailgate Channel.** Place Tailgate channel (**item 28**) on tailgate making sure to align the channel with the tailgate clips (**item 19**) installed on both sides. **See Figure 7.** Using the tailgate channel as a template, mark and drill 1/8" holes. Secure to tailgate using #8 x 1/2 sheet metal screws (**item 15**).

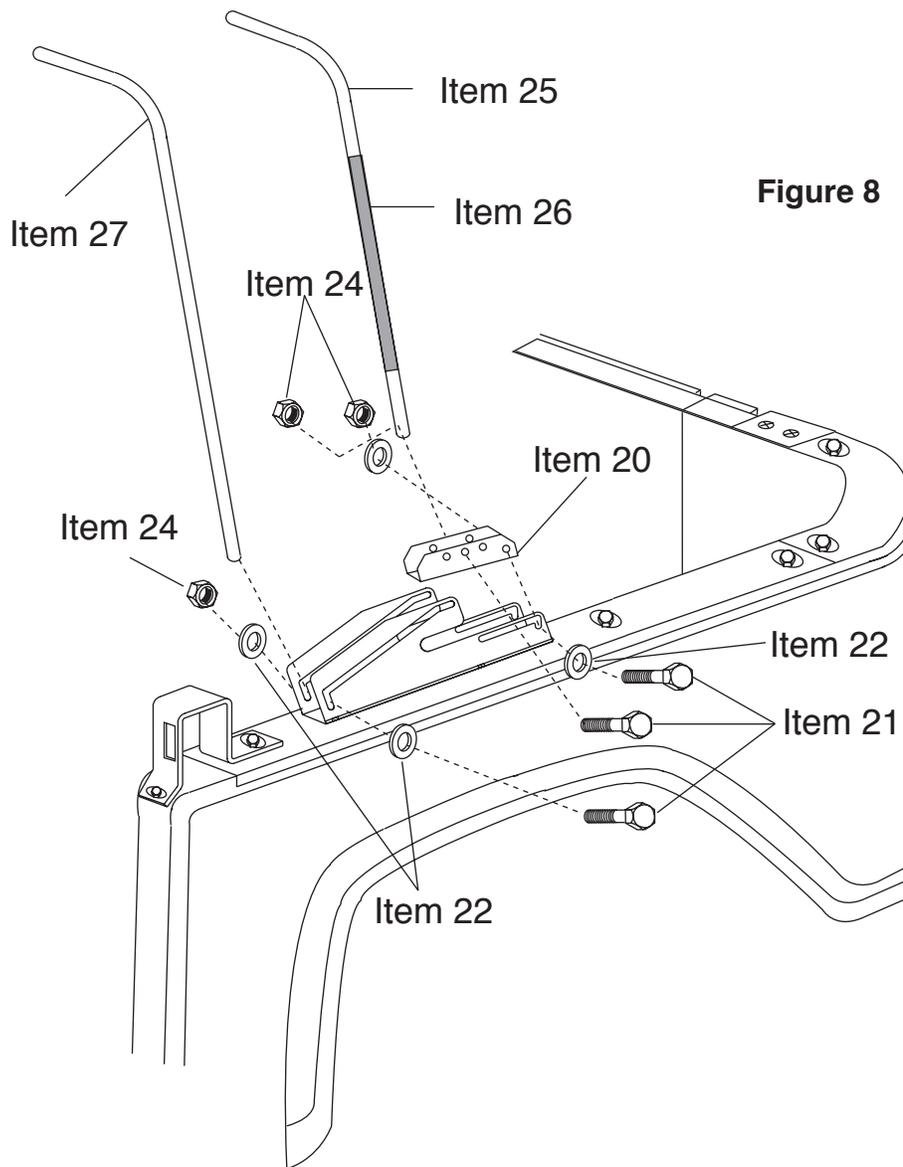


**Figure 6**



**Figure 7**

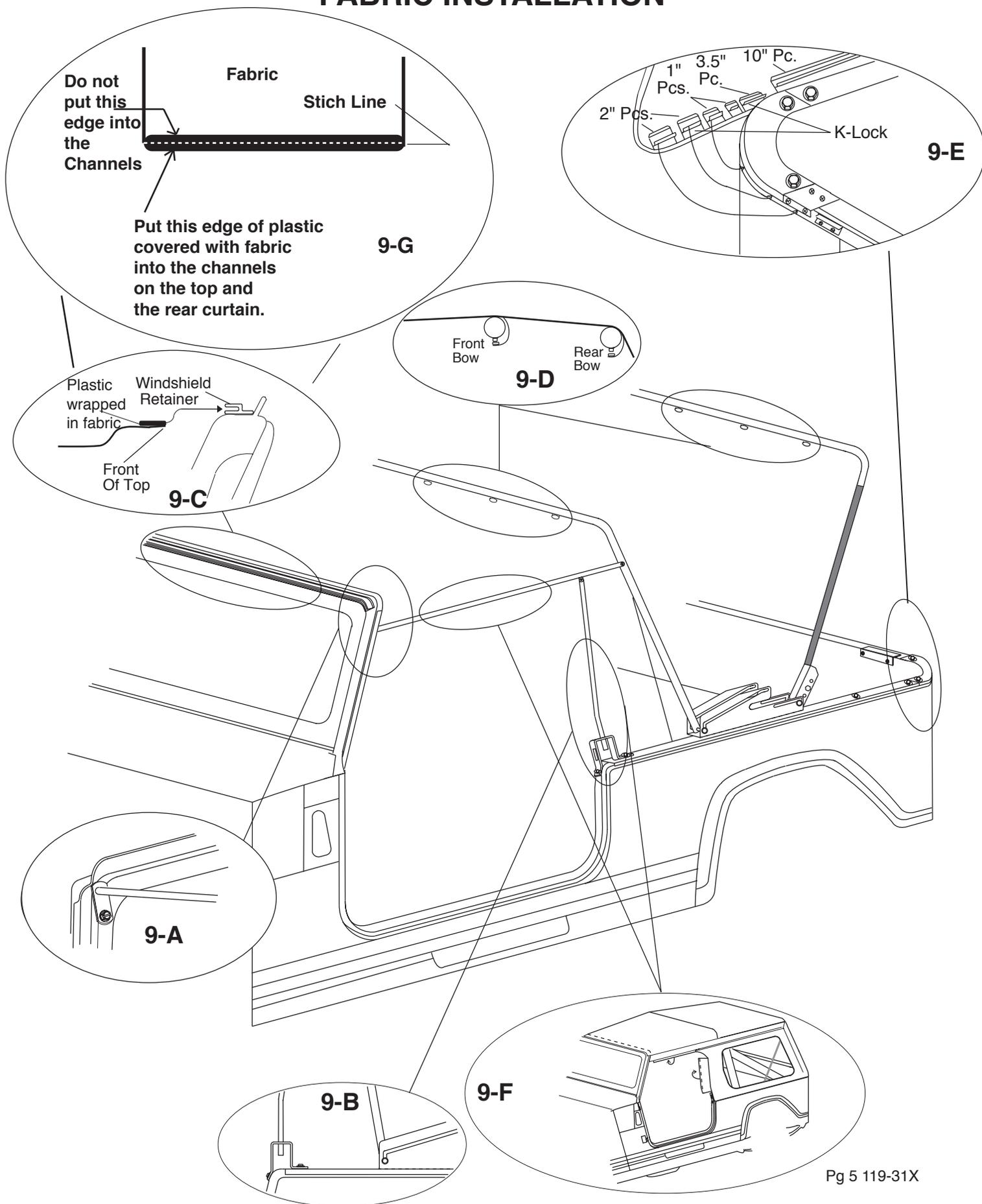




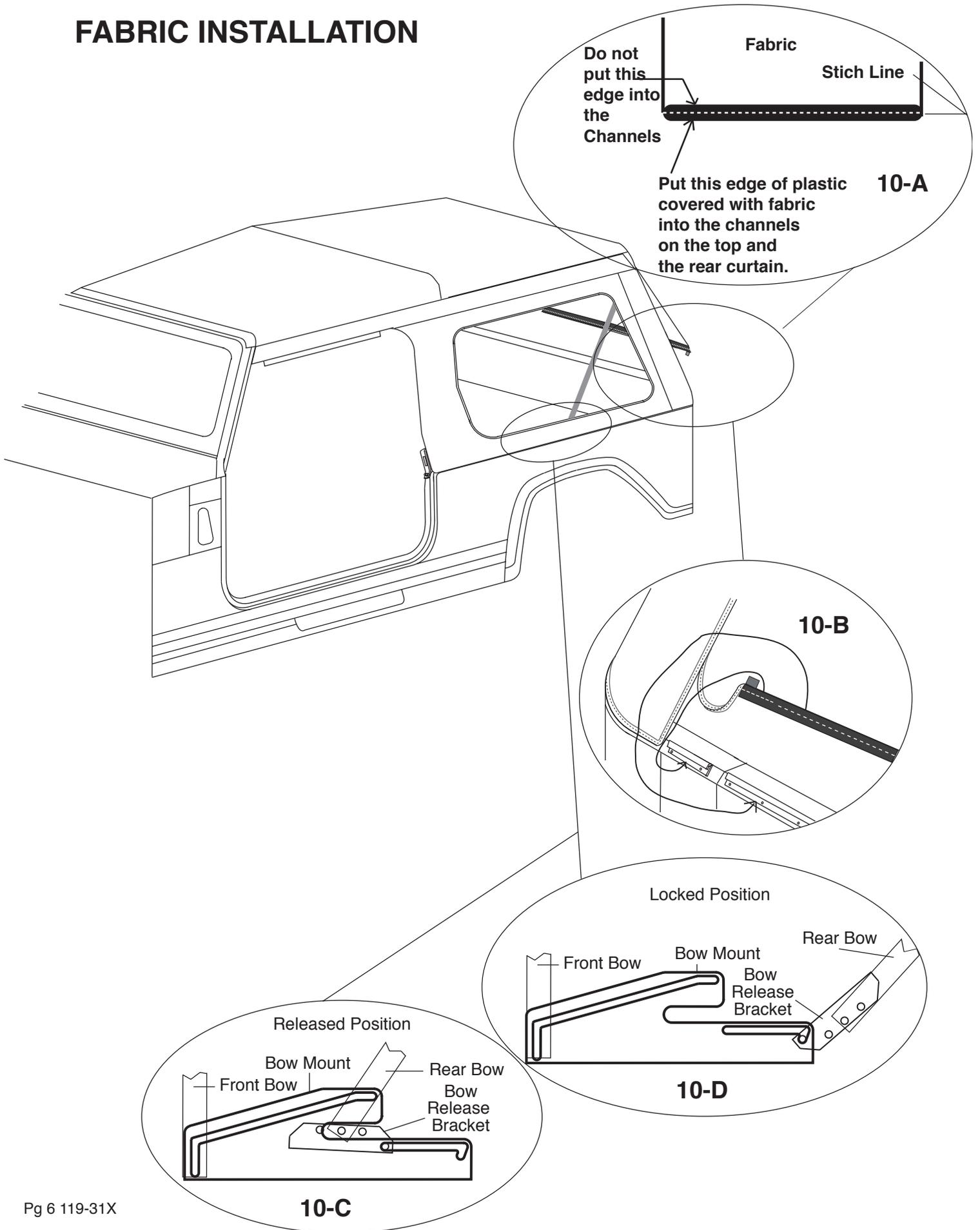
**Figure 8**

**Step 6. Bows.** Mount the rear bow release bracket (Item 20), as shown in figure 8, into the rear slot of the bow mount bracket (item 16). Place a 1/4-20 x 1 3/4" bolt (Item 21) through 1/4" flat washer (Item 22) into the bow mount, through the rear holes in the bow release bracket, then through the other side of the bow mount through another 1/4" flat washer (item 22) and fasten with 1/4-20 locknut (Item 24). **See Figure 8. Note: These items must pivot, so tighten only enough so that the locknut is locked but not so tight as to bend the bow mount or that they will not function.** Slide rear bow halves together (Item 25). Slip fabric bow sleeve (Item 26) over rear bow. Slide rear bow into the bow release bracket and align holes in bottom of the bow with the center hole in the bow release bracket. **See figure 8.** Secure rear bow to release bracket with a 1/4-20 x 1 3/4" hex bolt (item 21) and fasten with a 1/4x20 locknut (item 24). **See Figure 8. Note: the other two holes are for adjustment of the tension on your top, the upper hole is to tighten the top if it is too loose and the bottom hole is to loosen the top if it is too tight. Again tighten just enough to engage the lock nut but it still allows the bow to pivot. Repeat for other side. Note: due to spring factor in the material the bows are made from, occasionally the bows will have to be pressed inwards or pulled outwards to get them to fit into the brackets. If they are too tight or loose pressing them inwards or pulling them outwards may cause the coupler to disengage between the two bows. If this occurs you may have to drill through the bows into the coupler and place a screw to hold them together. Do this on the side away from where the fabric goes. Or you can remove the bows and bend them slightly inwards or outwards so that they will fit and not come apart.** Slide front bow halves together (Item 27). Install front bow to bow mount bracket with 1/4-20 x 1 3/4" hex bolt (item 21) through 1/4" flat washer (item 22), through one side of bow mount, the front bow and finally through the other side of the bow mount. Secure with another 1/4" flat washer (item 22) and 1/4-20 locknut (item 24). **These items must pivot so do not over-tighten.** Repeat for other side. **See figure 8.**

# FABRIC INSTALLATION



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**Note: Refer to Fabric Installation Figures 9 and 10 on pages 5 and 6.**

**Step 1.** Pull front bow forward, making sure that it is in the bottom of the vertical slot in bow mount brackets.(9-B) Place vertical rods into holes in vertical rod brackets (9-B). Place horizontal rods over pegs on horizontal rod brackets (9-A).

**Step 2.** Place convertible top, vinyl side down on hood of vehicle. Insert front of top into the windshield retainer. (9G and 9-C). **Note: The edge of plastic that is wrapped in fabric goes into the channel first. If you hook the little piece of plastic on the back side onto the channel it will come loose and could damage your top.** Center top from left to right. Then Flip top over windshield frame and support bows.

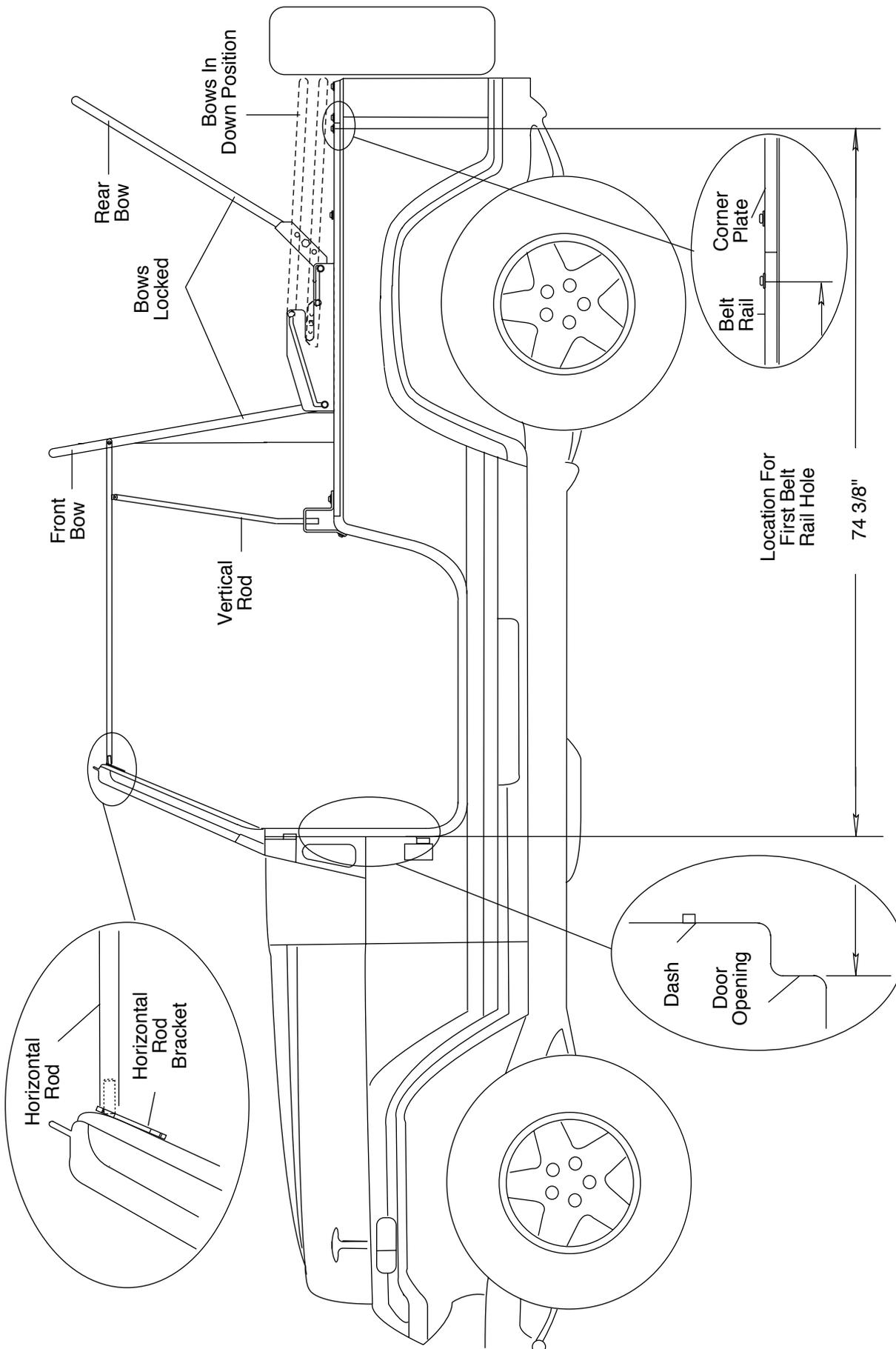
**Step 3.** With rear bow in the released position (10-C), snap front bow flap to front bow (9-D), snapping the outermost snap first and working towards the center. Snap rear bow flap to rear bow in the same manner.(9-D) Make sure that horizontal and vertical rods remain in the brackets.(9-A & 9-B)

**Step 4.** Starting at the rear corner, clip the 2" long k-lock into the corner clip, between the 2 bolts.(9-E) Next, clip the 2" piece and the 1" pieces to the belt rail corner plate. Finally attach the 3 1/2" piece and the 10" piece to the rail. This positions the top on the corner and keeps it in place on the vehicle (9-E). Repeat for other side.

**Step 5.** Get the rear curtain and locate the two zipper pulls (sliders). Pull both zipper pulls (sliders) all the way to the drivers side bottom of the top. **The curtain zips in and out from the left side only.** Push the zipper sliders together and then slide the two sliders together onto the stop at the bottom corner. **Note: the two sliders must meet on the drivers side bottom and be completely together to zip in or zip out the rear curtain. If they are not completely together and you pull one up, they may become stuck and you will have to try and force the one back down to get it apart. This could result in your tearing the zipper apart and damaging your top.** Zip in rear curtain from left to right. Once zipped in, insert the plastic strip on the rear curtain, **the edge wrapped in fabric goes in first**, turn it up and push it into the tailgate clip on the body and the tailgate channel on the tailgate (10 A&B). The loop of webbing is provided to pull the strip out when needed. The rear curtain can be rolled up by sliding the two sliders up and then rolling up the curtain and attaching it with the two elastic straps on the top. **Note: make sure the window is completely clean before rolling up or you will scratch the glass. The straps can also scratch your glass or leave strap marks. We suggest if you are going to roll the curtain up, make sure it is absolutely clean and free of dust and then place a soft cloth between the glass and the strap. It is best to take the curtain out and lay it flat than to roll it up. The curtain can also be stored in the storage bag provided, but again make sure it is clean and free of dust or it will get scratched.**

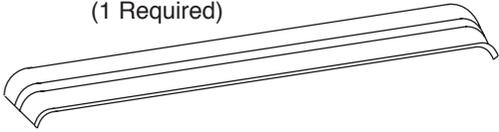
**Step 6.** Get the side panel and locate the zipper pull (slider). Pull the slider to the front of the vehicle at door opening. Zip the side panel into the top. Clip the k-locks, at the bottom of the side panel, onto the belt rail. Start at the front and work your way back. To clip, pull down on side panel and clip the k-lock under the rail and release. Then wrap the horizontal rod flap on the top around the horizontal rod and press the hook and loop fastner, sewn on, together (9-F). Make sure to wrap the flap **over** the tab on the front top edge of the side curtain. Then wrap the vertical rod flap on the side curtain around the vertical rod and press hook and loop fastner, sewn in, together (9-F). Then press hook and loop fastner at back of side panel together to cover the zipper. Repeat for the other side.

**Step 8.** Pull rear bow into the locked position by pulling from rear of vehicle. Unzip the rear curtain past the curve on the top curtain. Reach in making sure to pull bow sleeve out of the way and also making sure to keep your fingers out of the way. Then making sure that rear bow is to the rear of the slot in the bow mount bracket pull back on bow so that the release bracket pivots up into the locked position as shown in figures (10-C & 10-D). As mentioned earlier, this is to tension the top so you get a nice tight fit. If the top is too loose move the rear bow into the top hole on the release bracket. If the top seems way to tight then drop the rear bow down onto the lower hole on the release bracket. The top will stretch a little once it has been on for a while. **Note: Before driving the vehicle be sure the bows are always in the locked position. Failing to do so could result in your top blowing off and being damaged.**



# Parts Identification And Requirements

Item 1  
Windshield Retainer  
(1 Required)



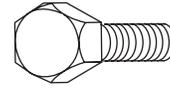
Item 2  
#10 x 1/2"  
Sheet Metal Screw  
(15 Required)



Item 3  
Horizontal Rod Bracket  
(1 Left Shown - 1 Right)



Item 4  
5/16-18 x 3/4"  
Hex Bolt  
(12 Required)



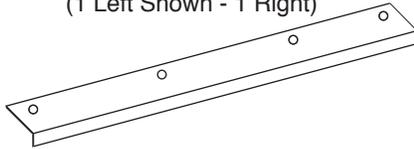
Item 5.  
#14 x 1/2"  
Sheet Metal Screw  
(4 Required)



Item 6  
5/16" Star Washer  
**FOR CJ7 (ONLY)**  
(2 Required)



Item 7  
Belt Rail  
(1 Left Shown - 1 Right)



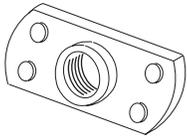
Item 8  
Corner Plate  
(2 Required)



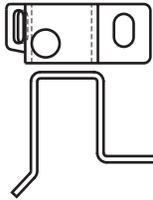
Item 9  
5/16" Flat Washer  
(10 Required)



Item 10  
5/16-18 Rectangular Nut  
(10 Required)



Item 11  
Vertical Rod Bracket  
(1 Left Shown - 1 Right)



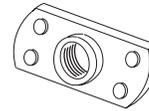
Item 12  
1/4-20 x 5/8"  
Flat Head Machine  
Screw  
(2 Required)



Item 13  
#12 Flat Washer  
(2 Required)



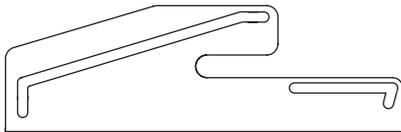
Item 14  
1/4-20 Rectangular Nut  
(2 Required)



Item 15  
#8 x 1/2"  
Oval Head  
Sheet Metal Screw  
(9 Required)



Item 16  
Bow Mount Bracket  
(2 Required)



Item 17  
#12-24 Truss  
Head Screw  
(2 Required)



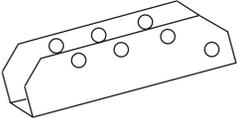
Item 18  
#12-24 Hex Nut  
(2 Required)



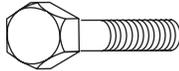
Item 19  
Tailgate Clip  
(2 Required)



Item 20  
Rear Bow Release  
Bracket  
(2 Required)



Item 21  
1/4-20 x 1 3/4"  
Hex Bolt  
(6 Required)



Item 22  
1/4" Flat Washer  
(8 Required)



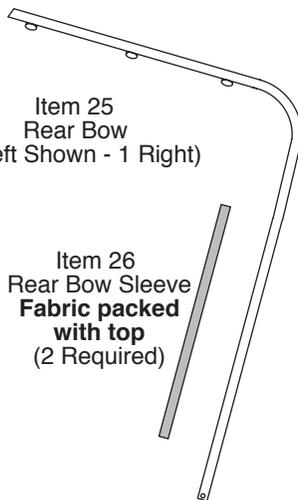
Item 23  
Corner Clips  
w/pre-installed bolts  
(2 Required)



Item 24  
1/4-20 Lock Nut  
(6 Required)



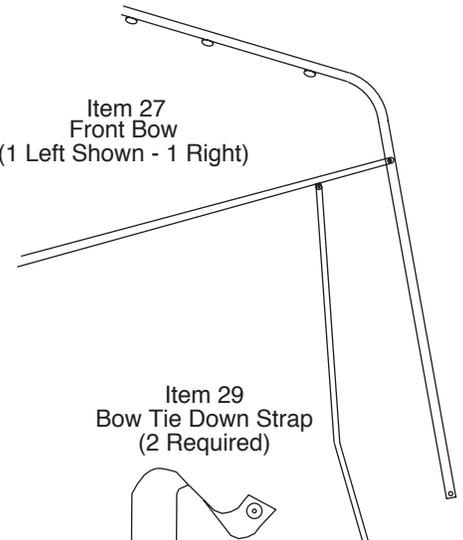
Item 25  
Rear Bow  
(1 Left Shown - 1 Right)



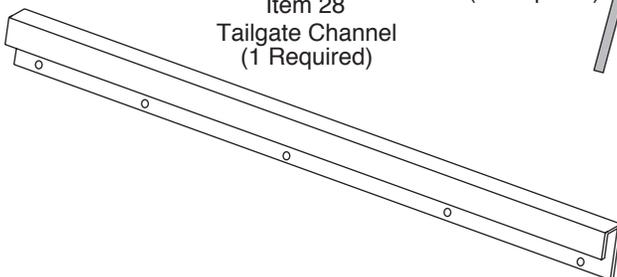
Item 26  
Rear Bow Sleeve  
**Fabric packed  
with top**  
(2 Required)



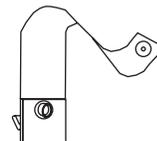
Item 27  
Front Bow  
(1 Left Shown - 1 Right)



Item 28  
Tailgate Channel  
(1 Required)



Item 29  
Bow Tie Down Strap  
(2 Required)



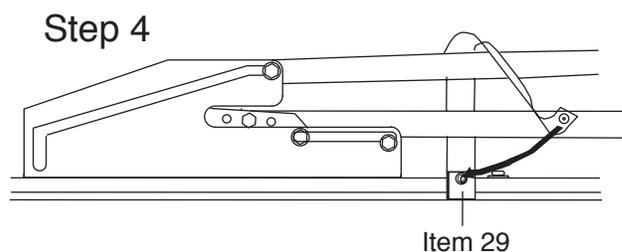
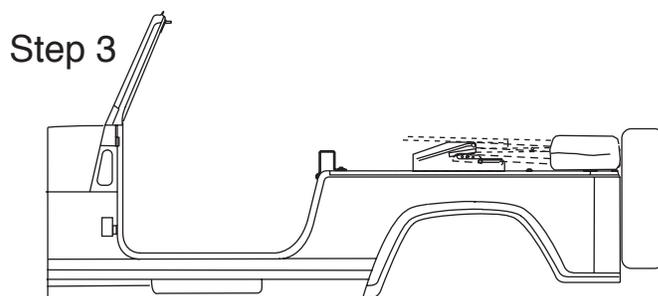
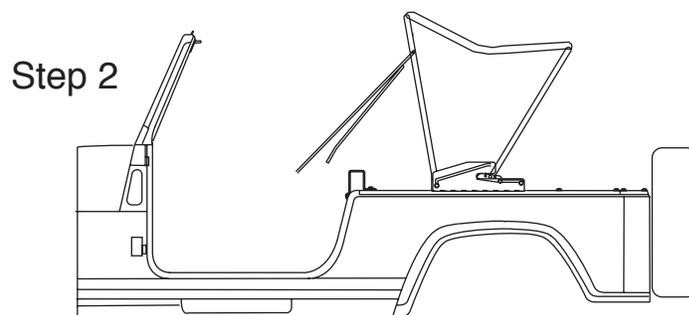
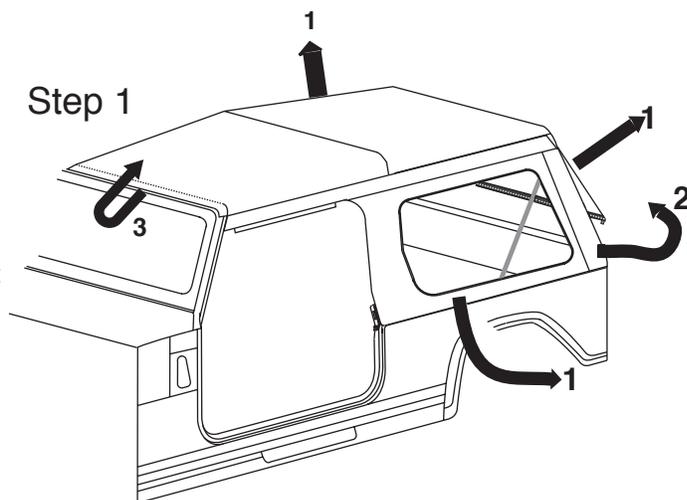
## FOLDING INSTRUCTIONS

**Step 1.** Unzip the rear curtain past the curve at the top and unlock rear bow. Disengage rear curtain plastic from tailgate clips and channel. Slide both zipper pulls together on the **left side** and remove rear curtain. **(1)** Either lay it flat or roll it up and put it in the storage bag. **Make sure glass is clean before rolling it up.** Unfasten the hook and loop from around the horizontal and vertical rods. Unzip both side curtains and disengage k-locks on the side curtain from the belt rail. Remove the side curtains. **(1)** Lay the curtains flat or roll them up and put them in the storage bag. Now disengage the rear corner k-locks, take the piece out of the corner clips first. Then flip the rear fabric corner pieces up onto the deck. **(2)** Allow rear bow to lean forward. While holding on to the rear bow, or tilting it to lean forward, remove the front of the top from the windshield channel and fold it back onto the top deck. **(3)** You should now have the top folded between the front and rear bows. Let it sag down between the bows.

**Step 2.** While holding the two bows together. Gently lift up on the front bow. Then disengage the horizontal and vertical rods. The top should sag down between the front and rear bows.

**Step 3.** As you fold the top and bows and rods to the rear of vehicle, let the top sag between the front and rear bows. **Slide the rear bow release bracket to the front of its slot in bow mount bracket. Slide the front bow to the rear of its slot in bow mount bracket. Note: The bows must be this way when folding down the top or you will bend the bow mount bracket.** Lay the bows and top down on top of the tailgate in front of the spare tire. Nest the rods together on top of the bows and the bow mount.

**Step 4.** Fasten the bows down using the bow tie down straps. **(Item 29)** Clip k-lock on bow tie down strap, to belt rail, pull strap around bows and snap to stud at belt rail. This will help to keep bows in place while traveling. A convertible boot is available from your distributor to keep your top well bundled while in the down position. Ask for part number 116-610.



## CARE INSTRUCTIONS

Convertible tops and accessories require special care if you want to get the maximum usage and enjoyment from them. The following recommendations, if followed carefully, can extend the life of your top or accessory.

1. Hand wash using a mild non-detergent soap such as Ivory. Use a nonabrasive cloth or sponge. Rinse thoroughly.
2. **DO NOT** wash in direct sunlight and avoid automatic car washes.
3. When your top is clean, we recommend using "RAGG TOPP" or "303 Protectant" on both the vinyl top and windows. This product contains a sunscreen that helps protect from the sun's damaging rays. Stay away from products containing alcohol as it will cause the fabric and windows to lose their elasticity, thus reducing the life of your top or accessory. If you are unable to locate "RAGG TOPP" Please call 1-800-377-4700 for a distributor near you or go online to [www.wolfsteins.com](http://www.wolfsteins.com). For "303 Protectant", please call 1-800-223-4303 for a distributor near you.
4. Direct sunlight and heat are the biggest enemies of the windows. Park in the shade whenever possible. If you must park in the sunlight, rotate the direction that you park every few days so all windows get even exposure.
5. Our tops are designed so that you may roll up and/or store the rear curtain and side curtains. To prevent scratching of the windows, be sure that windows are completely clean and free of dust particles. Even a little dirt will badly scratch the windows. You may want to use a soft cloth when rolling up or storing your windows. Heat may build up on rolled up windows, so be sure to unroll them frequently. If you roll up the windows at the beginning of summer and leave them, they may be ruined by fall.
6. **DO NOT** open or roll up windows at temperatures below 45 degrees F. This could cause them to crack or break.

## WARRANTY INFORMATION:

Specialty Top Co. warrants to the original purchaser of any product it manufactures, that the product will be free of defects in material or workmanship for a period of 90 days from date of purchase. Such obligations under this warranty shall be limited to the **repair or replacement**, at Specialty's discretion, of any assembly or parts which upon examination by Specialty Top Co. proves to be defective. All defective items must be returned with proof of purchase to Specialty Top Co., 200 East 64th Avenue, Denver, Colorado 80221, freight prepaid. This warranty does not cover damage resulting from abuse, misuse, alteration, accident or damage in transit. Specialty's obligations under this warranty are limited to the aforementioned repair or replacement of warranty defects for which the return authorization has been received during the warranty period, and **SPECIALTY TOP CO. SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM BREACH OF THIS OR ANY IMPLIED WARRANTY.**

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which may vary from state to state.

If you need assistance or further information, you may contact Specialty Top Co. at 1-866-487-9944 between the hours of 8:00 AM and 5:00 PM, Monday through Friday, Mountain Standard Time.