



SPECIALTY TOP CO.

INSTALLATION INSTRUCTIONS 1974-1981 RAMCHARGER/TRAILDUSTER PART #661-010

Thank you for purchasing Specialty's Convertible Top for your 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	ELECTRIC DRILL
8' TAPE MEASURE	RUBBING ALCOHOL

Step 1. Body Aluminum. Place end of rear body aluminum (Item 1) even with inside edge of tailgate. It should also measure 1 5/8" from inside edge of body to the inside edge of body aluminum. Mark and drill 1/8" holes using body aluminum as a template. Secure to body with #10 x 1/2" sheet metal screws (Item 2). Butt front body aluminum (Item 3) next to rear body aluminum. Secure to body using same method as above. See figure 1.

INSTALLATION TIPS

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

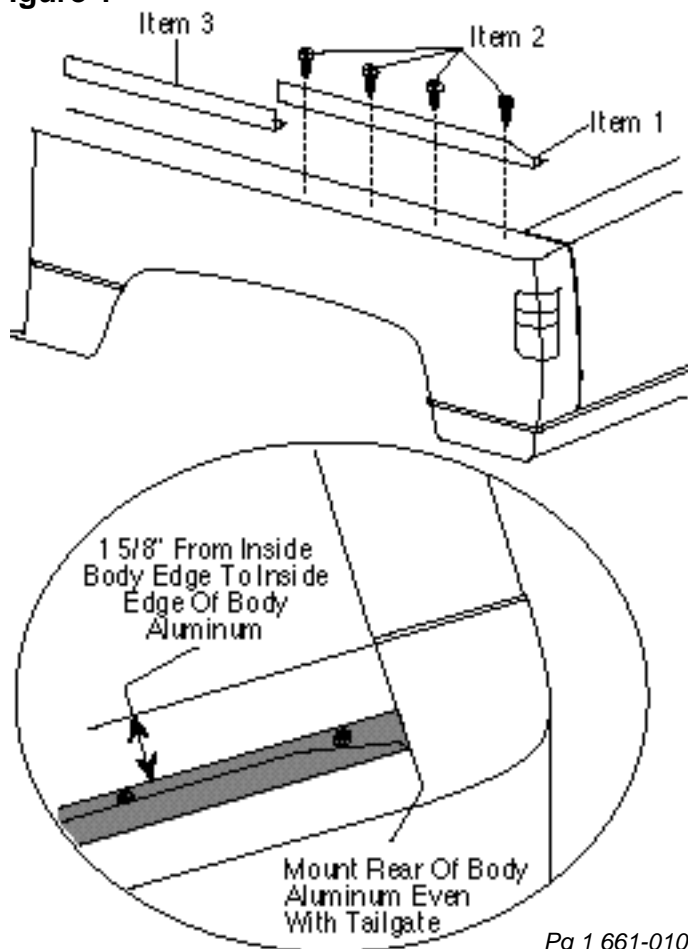
This top should be installed where the temperature is above 72 degrees Fahrenheit. Below this temperature, the top may contract making it difficult to install.

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.

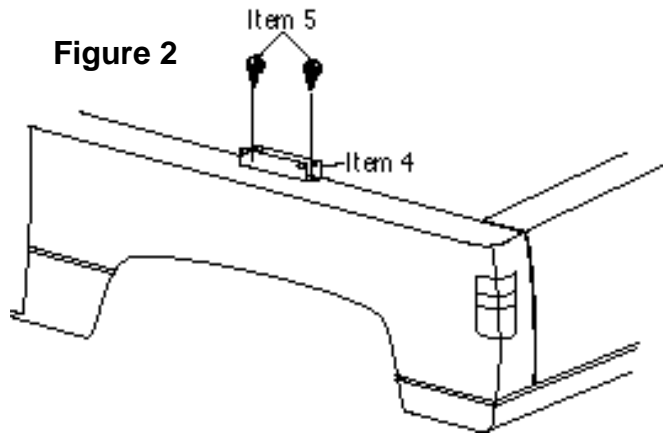
INSTALLATION PROCEDURES:

On page 3 of this instruction manual there is an assembly drawing. Please refer to it for identification of parts and assembly assistance. Also refer to page 5 to assure that all parts are included in your kit.

Figure 1



Step 2. Bow Mount. Place bow mount (Item 4) into notch in body aluminum. Mark and drill two 5/32" holes in body using bow mount as a template. Drill only one hole at the front and one at the rear. Secure to body with #14 x 1/2" sheet metal screws (Item 5). See figure 2.



Step 3. Bows. Secure bow release bracket (Item 6) to bow mount by placing 1/4-20 x 1 1/2" hex head bolt (Item 7) through one side of bow mount, the bow release bracket and the other side of bow mount. Secure with 1/4-20 lock nut (Item 8). These items must pivot so do not over tighten. Repeat for other side. Place bow sleeves (Item 9) over rear bow halves (Item 10). Slide rear bow halves together. Mount rear bow into center set of holes in bow release bracket by placing 1/4-20 x 1 1/2" hex head bolt (Item 7) through one side of release bracket, rear bow, and then through the other side of release bracket. Secure with 1/4-20 lock nut (Item 8). Again these items must pivot so do not over tighten. Repeat for the other side. Slide bow sleeves (Item 9) over front bow halves (Item 11). Slide front bow halves together. Place front bow into front of bow mount so that the large holes in bow are facing towards the front of vehicle. Place 1/4-20 x 1 1/2" hex head bolt through one side of bow mount, front bow and through other side of bow mount. Secure with 1/4-20 lock nut. Once again these items must pivot so do not over tighten. Repeat for the other side. See figure 3.

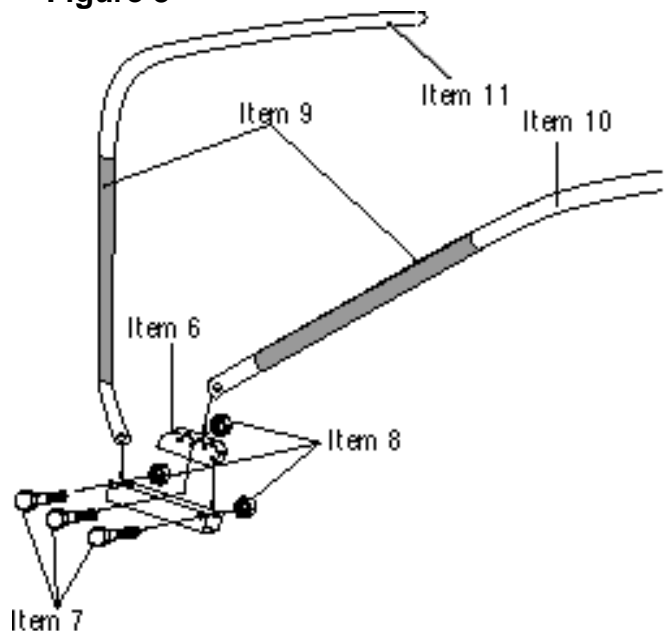
Step 5. Windshield Bracket. Place windshield bracket (Item 12) at top corner of windshield frame and approximately 5/8" from rear edge of windshield frame. The front inside corner of the windshield bracket should be pointing towards the corner of the rubber seal for the windshield glass. The outside edge of the windshield bracket should overhang the door by approximately 1/4" and the rear of the bracket approximately 5/8" forward of rear corner of windshield frame. Mark and drill 1/8" holes in top of windshield frame using the windshield bracket as a template. Secure bracket to windshield frame with #10 x 1/2" sheet metal screws (Item 2). Repeat for the other side. See figure 4-B.

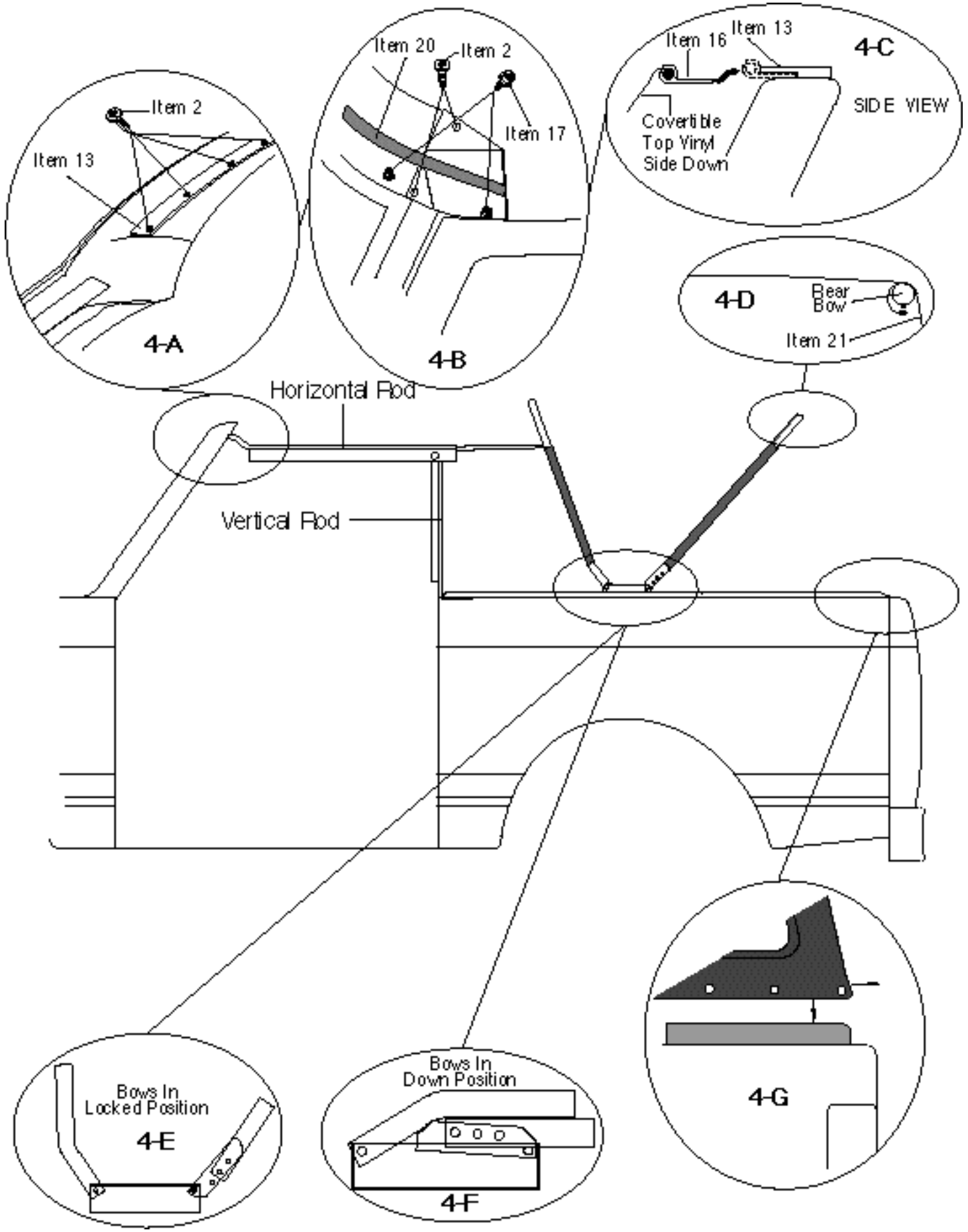
Step 6. Windshield Slot. Place windshield slot (Item 13) on top of windshield frame centered from side to side and set firmly next to the slight rise at each side of windshield frame. The weather stripped edge should be down and to the rear of the vehicle. Mark and drill 1/8" holes using windshield slot as a template. Secure to windshield frame with #10 x 1/2" sheet metal screws (Item 2). See figure 4-A. Place 8" piece of self adhesive weather stripping (Item 20) over top edge of windshield frame starting from end of windshield slot to outside corner of windshield bracket. See figure 4-B.

Step 6. Horizontal Rods. Remove rubber seal at rear upper corners of windshield frame. There will be two 3/16" holes spaced approximately 1" apart. Drill the upper hole to 3/8". Place front of horizontal rod (Item 14) into windshield bracket. The right horizontal rod is marked with a white dot at the front of the rod. Pull the front bow forward and place rear of the horizontal rod into large hole in the front bow. See figure 4.

Step 7. Vertical Rods. Place vertical rods (Item 15) at rear of door opening next to window glass with the door closed. The right vertical rod is marked with a white dot at the bottom of the rod. With the rod parallel with and touching the glass, mark and drill a 3/8" hole in the top of the body at the point where the rod meets the top of body. This position is approximately 3" from the inside edge of the body and near the forward edge of the door opening. This measurement may vary due to inconsistency of these older vehicles. Remove wing nut and washer from horizontal rod. Place stud on vertical rod into hole in horizontal rod and secure with washer and wing nut. Repeat for the other side.

Figure 3





Installing Vinyl Top. Place windshield channel (Item 16) over sewn in rope at front of convertible top. See figure 4-C. Slip flat portion into gap between windshield frame and windshield slot. Flip top up and over front and rear bows.

Snap rear bow flap on vinyl top to rear bow. Start with the outside snaps on the bow flap first and work your way to the center. The outer most snaps on the bow will not be used on this application. Measure and mark a center line on tailgate. With rear bow in the locked position (see figure 4-E & 4-F) and zippers closed at the side panels, pull center snap on rear curtain down to center line and mark for snap stud. This should be approximately 1" down from top of tailgate edge. Drill a 1/8" hole at this point centered from side to side on tailgate. Place sheet metal screw stud (Item 17) at this point. See figure 5. Snap rear curtain to stud just installed. Continue installing sheet metal screw studs, alternating from left to right of center using snaps on rear curtain as a guide. Pull down and to the side on rear curtain when locating studs. Snap top to each stud before installing next stud.

Install machine screw studs (Item 18) in body aluminum starting at the rear. Pull side panel to the rear and down to find location of stud. See figure 4-G. Mark and drill 3/16" hole, install machine screw stud (Item 18) and secure with #10-32 hex nut (Item 19). See figure 5. Repeat for the other side. Install remaining studs on body aluminum using snaps on side panel as a guide. The bottom of the side panel should touch the top edge of vehicle.

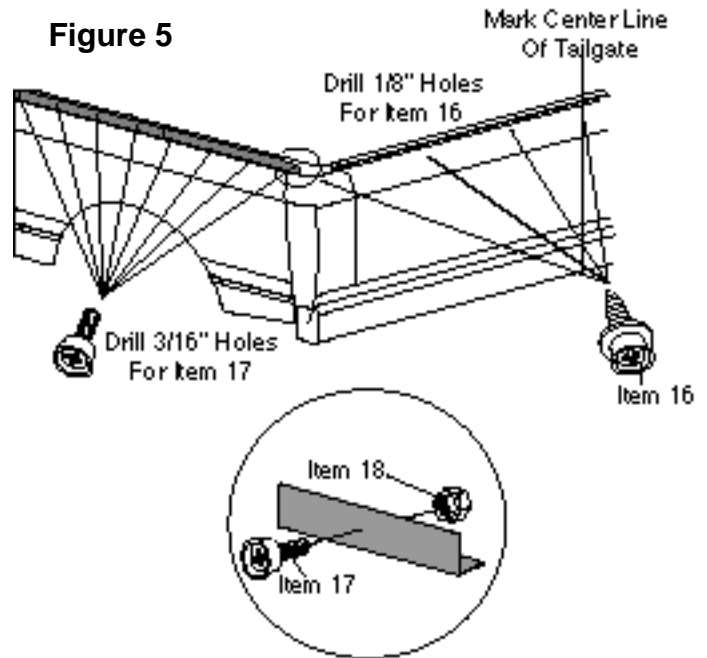
Wrap flaps around horizontal and vertical rods. Press hook and loop together.

Pull forward and down on front of top at windshield frame. Mark and drill 1/8" holes using snap in vinyl top as a guide. Install sheet metal screw studs at this point. Snap top to stud. This holds the rain flap over door opening to shed water away from your door. See figure 4-B. Repeat for the other side.

If you experience leaking around top of door frame, place 14" piece of self adhesive weather stripping (Item 20) to outside flat portion of horizontal rod to add a better seal.

Rolling Up Side Panels. It is possible to roll up your side panels and rear curtain to provide more ventilation in your vehicle. Prior to rolling up side panels or rear curtain you must first make sure that windows are clean. If not properly cleaned, dirt will scratch them reducing the life of your top. It is also recommended that you use a soft cloth between the windows and the retaining straps to prevent them from marring the glass. To clean the windows, wash them with a mild non-detergent soap and water. To roll up side panels first unzip rear curtain and unlock rear bow. Unfasten side panel from body aluminum, roll up side panel and secure with retaining strap. See figure 6. Snap bow retaining strap (Item 21) to outside snap on rear bow. See figure 4-D. Wrap retaining strap around rear bow. Lock rear bow and pull strap down to a snap at rear of vehicle to retain tension on convertible top. Follow same procedure to roll up rear curtain. You may roll up both side panels and rear curtain if you wish.

Figure 5

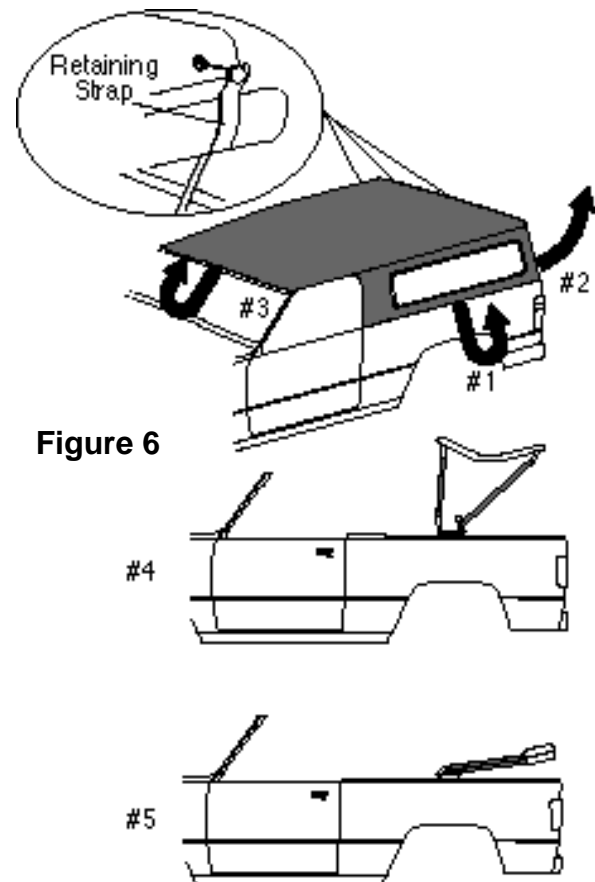


FOLDING INSTRUCTIONS

Step 1. Unlock rear bow and unfasten snaps. Lift side panel up and fold them on top of bows.

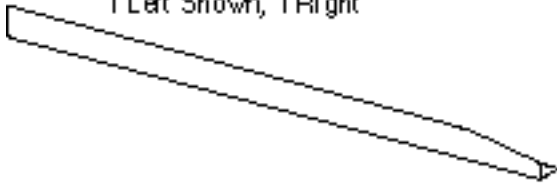
Step 2. Lift rear curtain up and fold on top of bows. Remove horizontal and vertical rods.

Step 3. Fold front of top to the rear, over bows. Continue to fold top to the rear of vehicle as bows come to rest on tailgate.



PARTS IDENTIFICATION

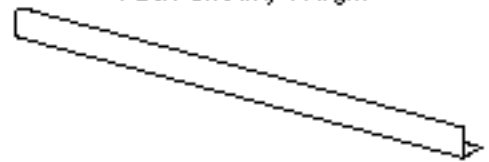
Item 1
Rear Body Aluminum
1 Left Shown, 1 Right



Item 2
#10 x 1/2"
Sheet Metal Screw
33 Required



Item 3
Front Body Aluminum
1 Left Shown, 1 Right



Item 4
Bow Mount Bracket
2 R required



Item 5
#14 x 1/2" Sheet
Metal Screw
4 R required



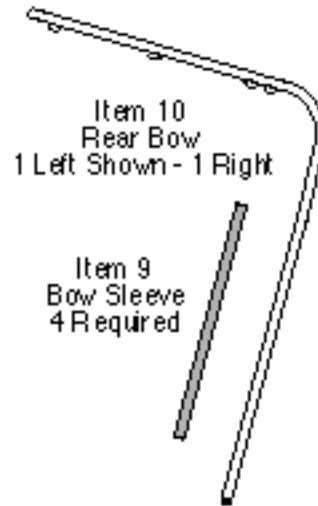
Item 6
Bow Release Bracket
2 R required



Item 7
1/4-20 x 1 1/2"
Hex Bolt
6 R required

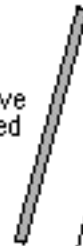


Item 8
1/4-20 Lock Nut
6 R required



Item 10
Rear Bow
1 Left Shown - 1 Right

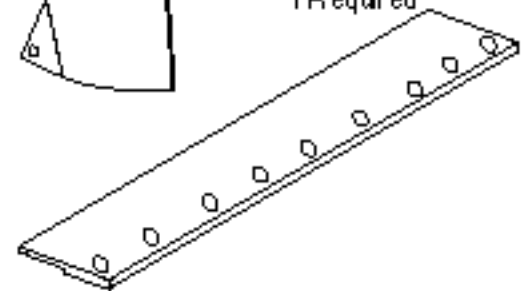
Item 9
Bow Sleeve
4 R required



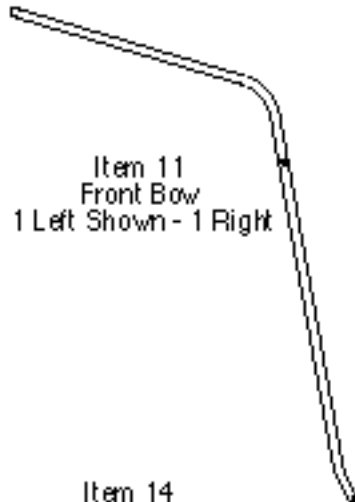
Item 12
Windshield Bracket
1 Left Shown - 1 Right



Item 13
Windshield Slot
1 R required



Item 11
Front Bow
1 Left Shown - 1 Right



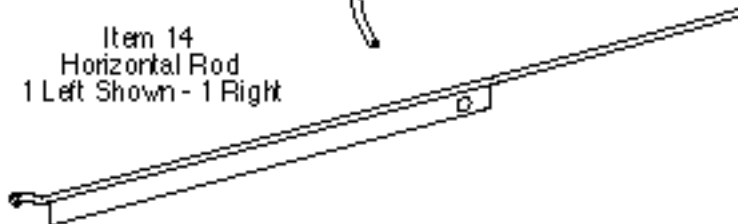
Item 15
Vertical Rod
1 Left Shown - 1 Right



Item 16
Windshield Channel
1 Left Shown - 1 Right



Item 14
Horizontal Rod
1 Left Shown - 1 Right



Item 20
Weather Strip
2 Pcs. 8", 2 Pcs. 14"



Item 17
Sheet Metal Screw Stud
16 Required



Item 18
#10-32 Machine Screw Stud
18 Required



Item 19
#10-32 Hex Nut
18 Required



Item 21
Hold Down Straps
2 R required



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 "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 "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.
7. **NEVER** use ice scrapers or snow brushes on vinyl windows.

WARRANTY INFORMATION:

Specialty Top Co. manufacturing 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. Manufacturing, 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.