



## INSTALLATION INSTRUCTIONS

BRONCO '80-'91  
Part # 334-010-XX

# Kayline Mfg.

Thank you for purchasing Kayline's Convertible Top for your Bronco 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 of the vehicle in a potentially dangerous situation.

### TOOLS REQUIRED:

3/8" Wrench                      Drill Bits(1/8", 5/32",  
7/16" Wrench                      3/16", & 1/2")  
Electric Drill                    #2 Phillips Screwdriver  
8' Tape Measure

### INSTALLATION TIPS

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

A. For ease in installation, the top should be installed where temperature is above 72° F. Below this temperature, top may contract an inch or more, making it difficult to install.

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

### INSTALLATION PROCEDURES

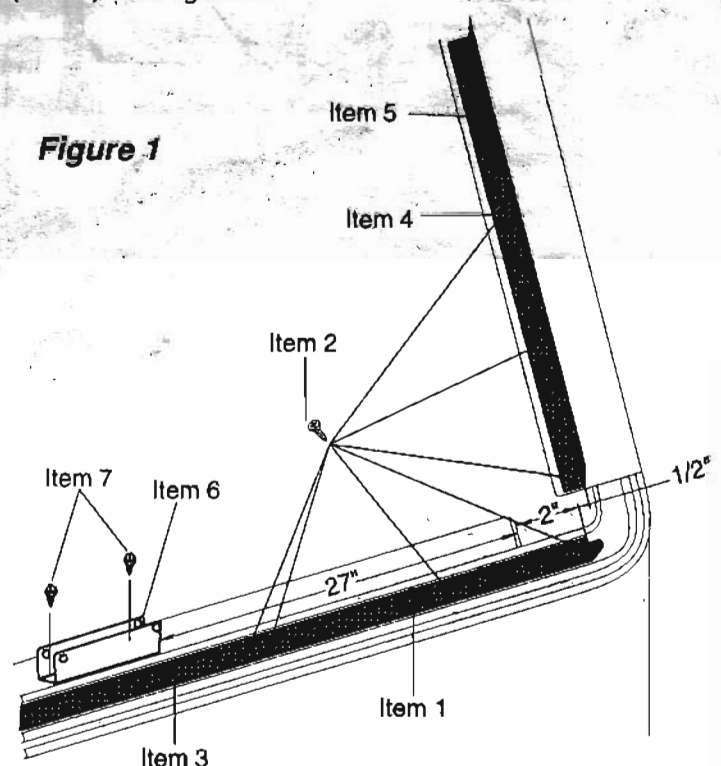
Check to ensure that all kit parts are included. Refer to page 5.

**Step 1 . Body aluminum.** Locate rear body aluminum (Item 1) just outside of slight drop in top of body edge and 2" to rear of notch in vehicle. Body aluminum should be parallel to vehicle body front to rear. Using body aluminum as a template, mark and drill 1/8" holes. Secure to body with #10 x 1/2" sheet metal screws (Item 2). Butt front body aluminum (Item 3) up against rear body aluminum. Mark

and drill holes using body aluminum as a template. Secure to body using same procedure as above. The last sheet metal screw at the front of the body aluminum will be installed horizontally into the cab. See figure 1 and figure 2.

**Step 2 . Tailgate Aluminum.** Butt both pieces of tailgate aluminum (Items 4 & 5) together on top edge of tailgate. Center from left to right making sure that it is parallel with tailgate and 1/2" from the rear edge of body aluminum to the outside edge of the tailgate aluminum. Using tailgate aluminum as a template mark and drill 1/8" holes and secure to tailgate with #10 x 1/2" sheet metal screws (Item 2). See figure 1.

Figure 1

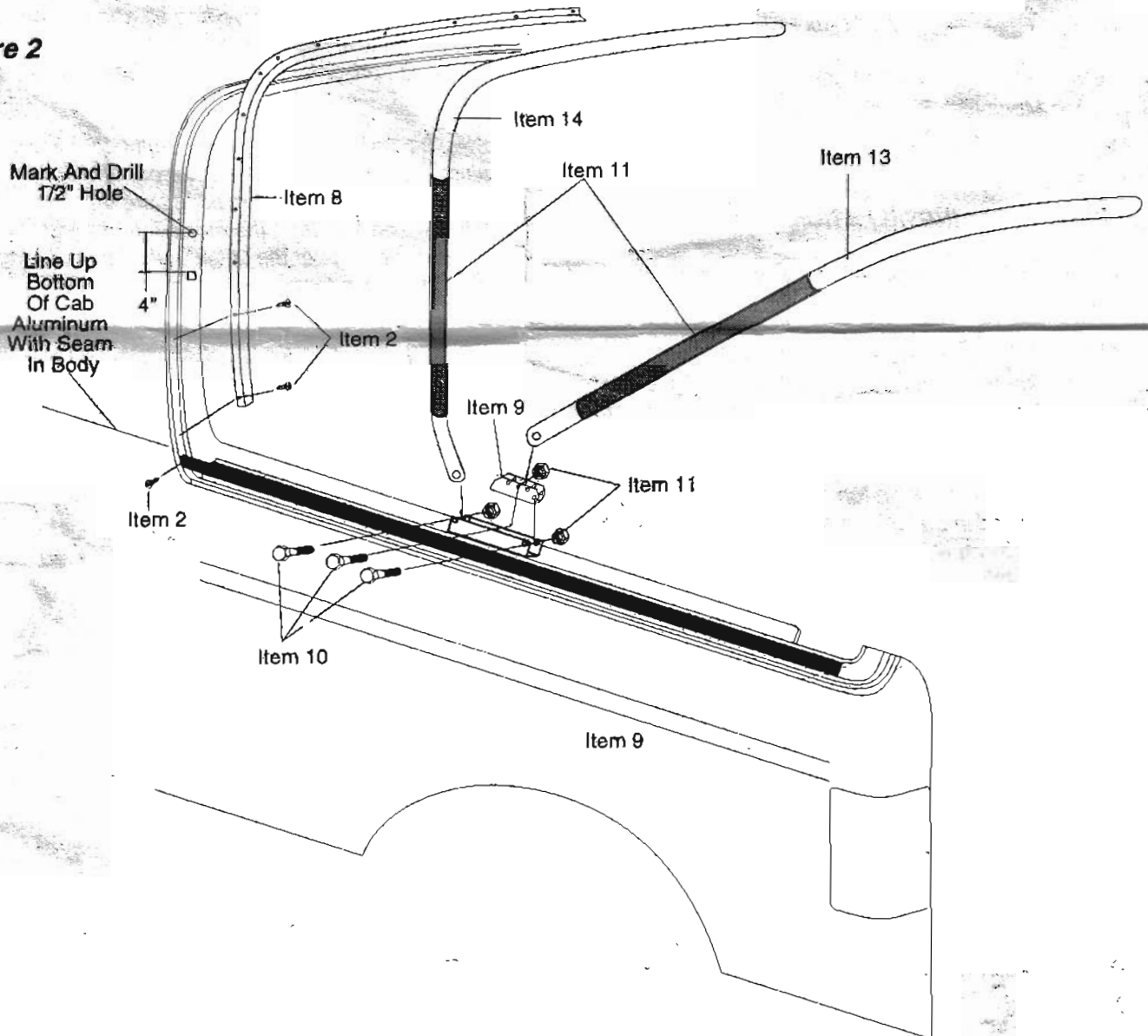


**Step 3. Bow Mount.** Measure 27" from the tailgate inset and mark a line. The rear of the bow mount (Item 6) will be positioned on this line and next to inside edge of body aluminum. Using bow mount as a template, mark and drill two 5/32" holes, one at the front inside of bracket and one at the rear inside of bracket. Secure with #14 x 1/2" hex head sheet metal screws (Item 7). Repeat for the other side. See figure 2.

**Step 4. Cab Aluminum.** Position bottom of cab aluminum (Item 8) even with seam in the body. Starting at bottom, mark and drill 1/8" holes using cab aluminum as a template. Drill one hole at a time and secure to body with #10 x 1/2 sheet metal screws (Item 2), making sure that cab aluminum follows the contour of your vehicle. Slight bending of the cab aluminum may be necessary. Butt cab aluminum pieces together at the center. Starting from the center of cab and working down the side of cab mark, drill and install screws using same procedure as above. See figure 1.

**Step 5. Bows.** Secure bow release bracket (Item 9) to rear set of holes in bow mount by placing 1/4-20 x 1 1/2" hex head bolt (Item 10) 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 11). These items must pivot so do not over tighten. Repeat for other side. Place bow sleeves (Item 12) over rear bows (Item 13). 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 10) 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 11). Again these items must pivot so do not over tighten. Repeat for other side. Slide bow sleeves (Item 11) over front bow halves (Item 14). Slide front bow halves together. Place front bow into front hole in bow mount so that the large holes in bow are facing towards the front of vehicle. Secure front bow to bow mount with 1/4-20 x 1 1/2" hex head bolt through one side of bow mount, front bow and the other side of bow mount. Secure with 1/4-20 lock nut. Once more these items must pivot so do not over tighten. Repeat for other side. See figure 2.

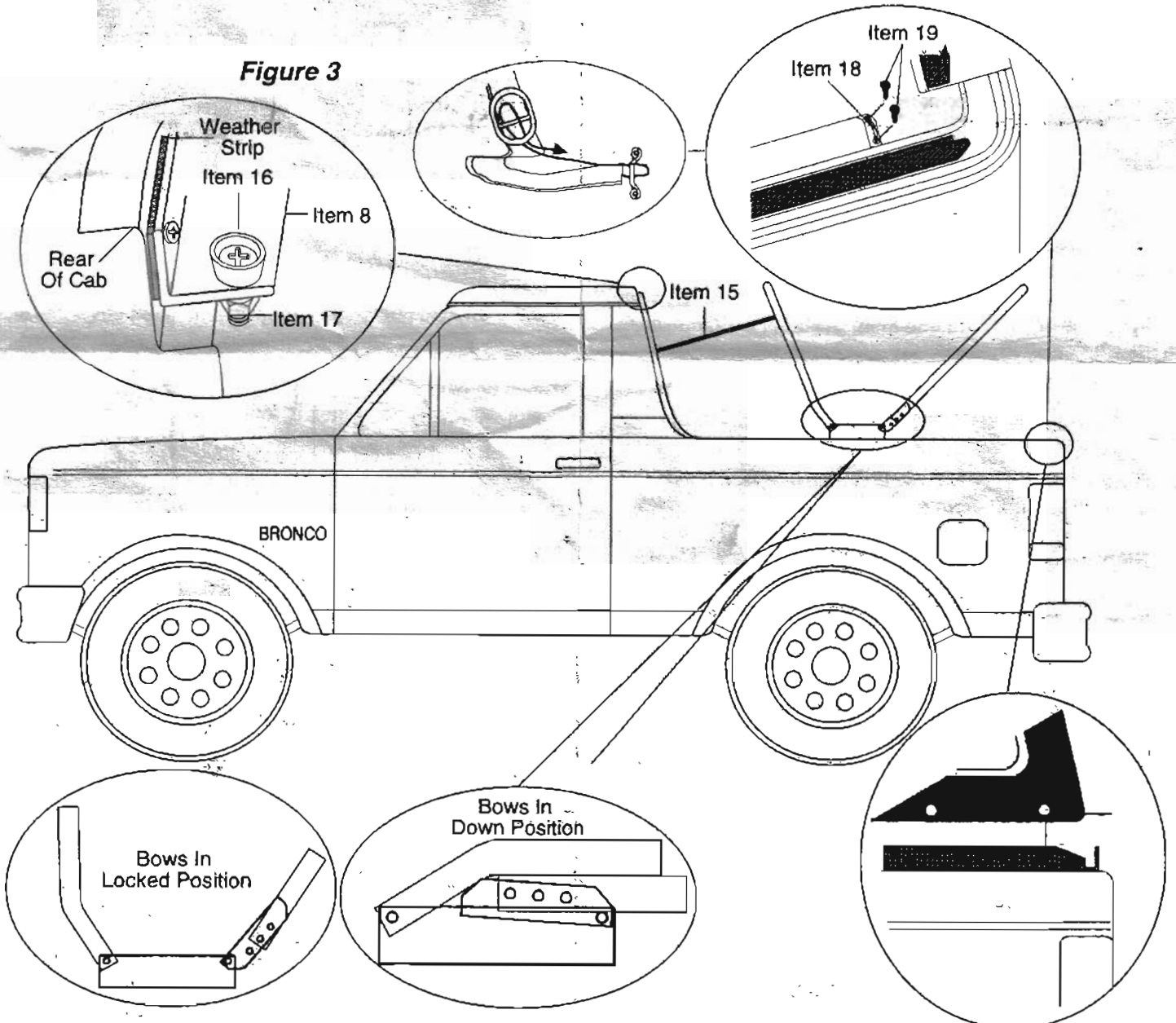
**Figure 2**



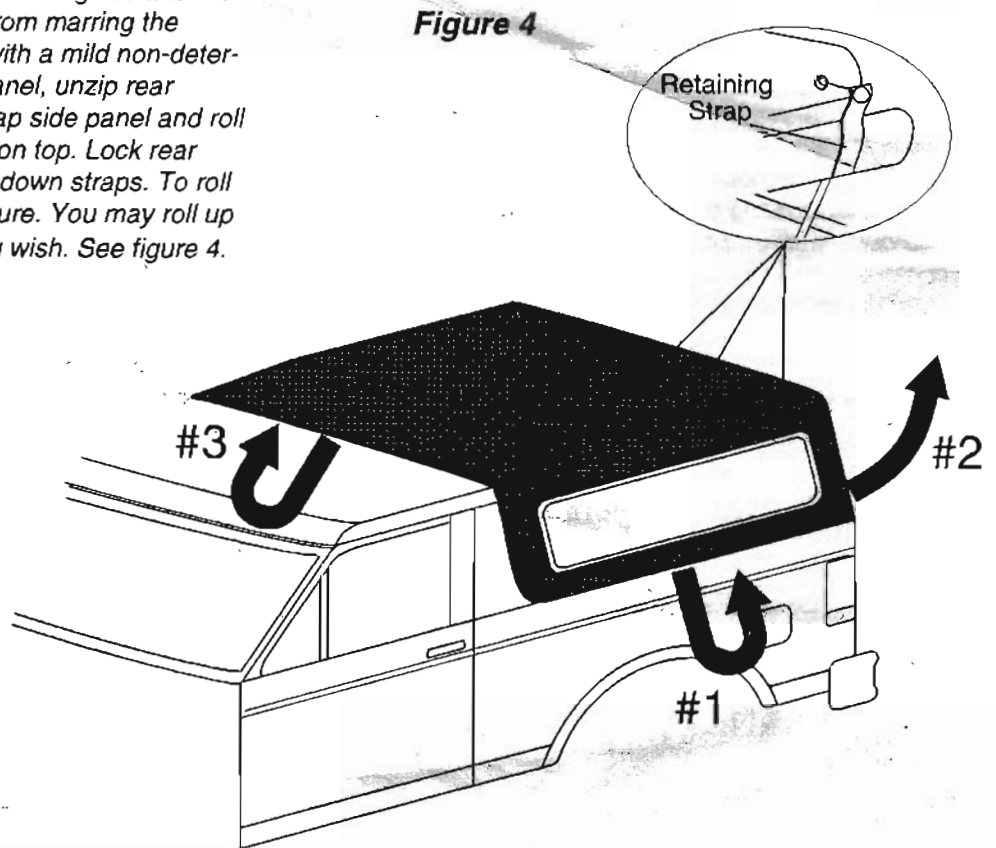
**Step 6. Horizontal-Rods.** Measure 4" up from square hole in back of cab. Mark and drill 1/2" hole centered from left to right. See figure 2; Place "Top Hat" portion of horizontal rod (Item 15) into this hole and the opposite end into hole in front bow. Repeat for the other side. These rods keep the front bow in position while top is in place. See figure 3.

**Step 7. Top Installation.** Measure 3" to the right of center split in cab aluminum and 1/4" from the rear edge of cab aluminum. Mark and drill 3/16" hole. Place machine screw stud (Item 16) into hole and secure with #10-32 hex nut (Item 17). Find front center of the vinyl top and secure snap, to the right of center, to stud just installed. Install remaining screw studs on cab aluminum alternating from left to right. Pull on the top until smooth. Mark for best hole location using vinyl top as a guide. Install each stud and snap into position until all studs are in place on cab aluminum. Pull top over bows and snap rear bow flap to rear bow. Partially close zippers on rear curtain. With the rear bow in the locked position, pull the side curtain to the rear and down to find best location for the stud to be installed in the body aluminum. The first location for the screw studs should be approximately 1 1/4" from the end of the body aluminum and centered from top to bottom. Mark, drill and install machine screw stud at this point. Repeat for the other side. Continue installing studs working from the rear forward alternating from left to right side of vehicle. Find center of tailgate aluminum and mark a line. Pull center snap on rear curtain, down to meet center line on tailgate aluminum. Mark and drill 3/16" hole. Install machine screw stud and snap center snap on the top to the stud. Continue installing studs alternating from left to right and pulling on rear curtain until smooth when finding stud positions. See figure 3. Position footman loop (Item 18) at tailgate inset. Using footman loop as a template, mark and drill 1/8" holes. Secure to body with #8 x 1/2" sheet metal screws (Item 19). Thread rear bow tie down straps through footman loop and buckle. Tighten until snug. See figure 3. This will hold the rear bow in place. It also holds the rear bow in place if you should decide to roll up the side panels or the rear curtain. See figure 4.

**Figure 3**



**Rolling Up Side Panels.** It is possible to roll up your side panels or rear curtain to provide more ventilation in your vehicle. Prior to rolling side panels or rear curtains you must first make sure that windows are clean. If not properly cleaned dirt will scratch them reducing top life. It is also recommended to place a cloth between the glass and the retaining straps to prevent the straps from marring the glass. To clean windows, wash them with a mild non-detergent soap and water. To roll up side panel, unzip rear curtain zippers, unlock rear bow, unsnap side panel and roll up panel. Secure with retaining-straps on top. Lock rear bow, buckle and tighten rear bow hold down straps. To roll up rear curtain follow the same procedure. You may roll up both side panels and rear curtain if you wish. See figure 4.



**FOLDING INSTRUCTIONS**

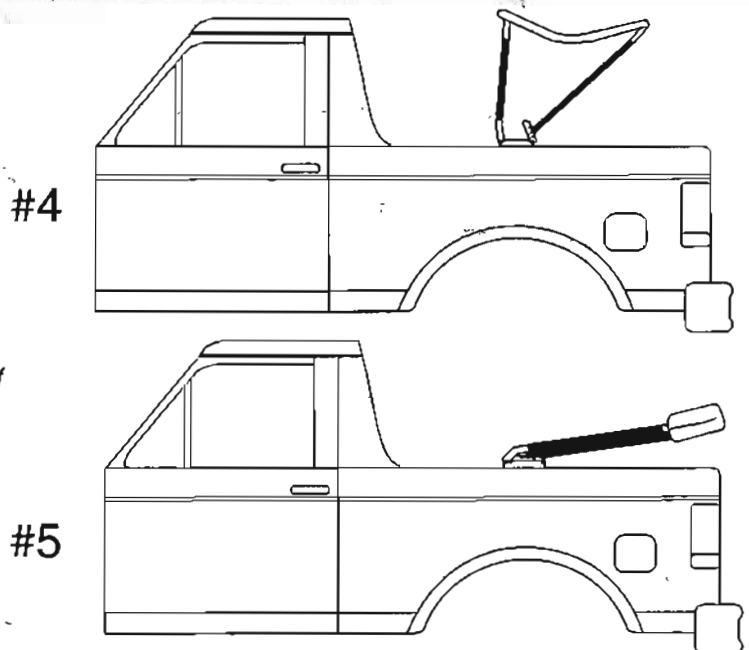
**Step 1.** Unlock rear bow, unfasten snaps. Lift side curtains up and fold them on top of bows.

**Step 2.** Lift rear curtain up and fold it on top of bows.

**Step 3.** Remove horizontal rods. Fold front of top to the rear, over bows.

**Step 4.** As you pull the front of top and bows to the rear of vehicle, let the top sag in between bows.

**Step 5.** Continue to lay bows down and let them come to rest on top of tailgate. A convertible boot is available from your local dealer to enclose your top, preventing top from becoming dirty while in the down position.



## **CARE INSTRUCTIONS**

Convertible tops 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:

1. Hand wash using a mild non-detergent soap such as Ivory. Use a soft non-abrasive 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 vinyl top and windows. This product contains a sunscreen that helps protect from the sun's damaging rays. Your local dealer can sell you a supply.
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 that all windows get even exposure.
5. Our tops are designed so that you may roll up the side and rear windows. To prevent scratching of the windows, be sure that the windows are completely free of dust particles. Even a little dirt will badly scratch the windows. You may want to use a soft cloth between the retaining straps and the windows to prevent marring. Heat will build up on rolled up windows, so be sure to unroll them frequently. If you roll the windows up at the beginning of summer and leave them, they will be ruined by fall.
6. **DO NOT** open or roll windows in temperatures at or below 45 degrees F. This could cause them to crack.
7. **NEVER** use ice scrapers or snow brushes on vinyl windows. Use warm water to clear away ice and snow.

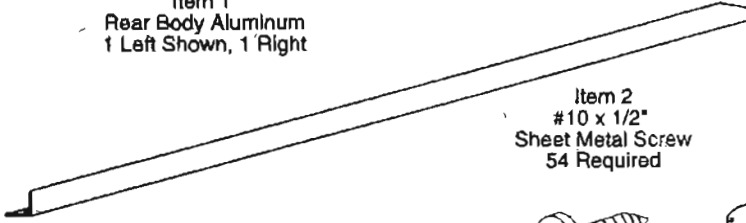
## **WARRANTY INFORMATION;**

Kayline Manufacturing warrants to the original consumer 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 the date of purchase. Such obligations under this warranty shall be limited to the repair or replacement, at Kayline's discretion, of any assembly or part which upon examination by Kayline proves to be defective. All defective items must be returned with proof of purchase to Kayline Manufacturing, 200 East 64th Avenue, Denver, Colorado 80221, freight pre-paid. This warranty does not cover damage resulting from abuse, misuse, alteration, accident or damage in transit. Kayline's obligations under this warranty are limited to the aforementioned repair or replacement of warranty defects for which return authorization has been received during the warranty period, and **KAYLINE SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM BREACH OF THIS OR ANY IMPLIED WARRANTY.**

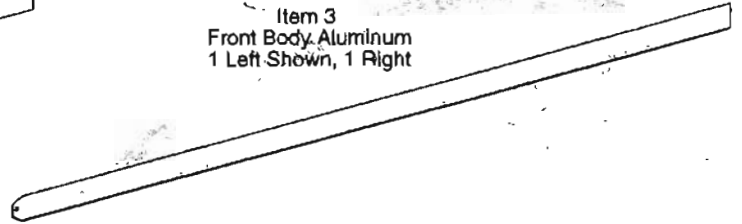
Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

# PARTS IDENTIFICATION

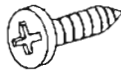
Item 1  
Rear Body Aluminum  
1 Left Shown, 1 Right



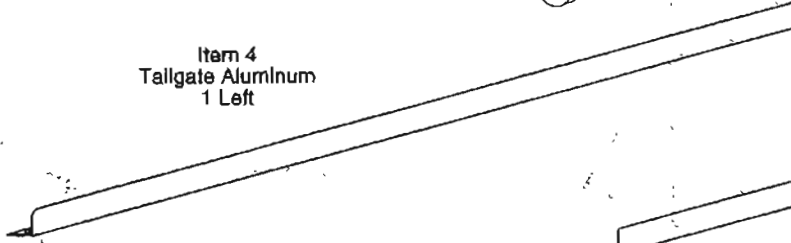
Item 3  
Front Body Aluminum  
1 Left Shown, 1 Right



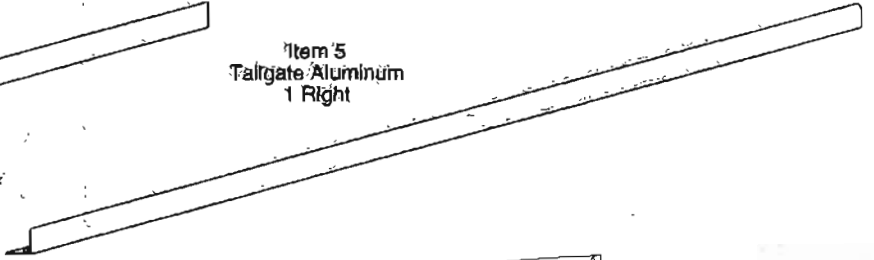
Item 2  
#10 x 1/2"  
Sheet Metal Screw  
54 Required



Item 4  
Tailgate Aluminum  
1 Left



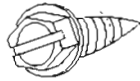
Item 5  
Tailgate Aluminum  
1 Right



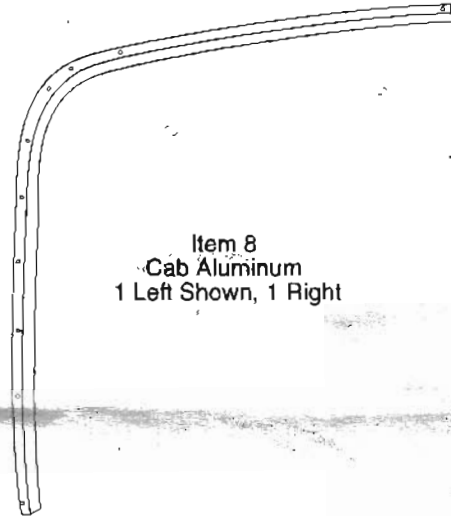
Item 6  
Bow Mount Bracket  
2 Required



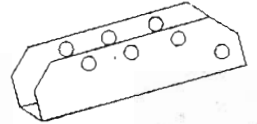
Item 7  
#14 x 1/2" Sheet Metal Screw  
4 Required



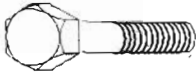
Item 8  
Cab Aluminum  
1 Left Shown, 1 Right



Item 9  
Bow Release Bracket  
2 Required



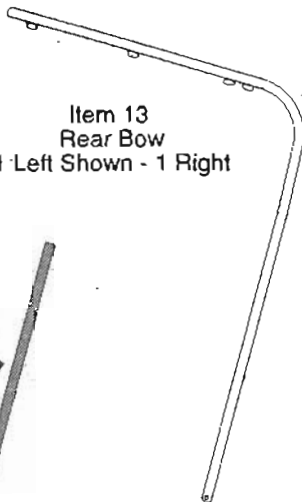
Item 10  
1/4-20 x 1 1/2"  
Hex Bolt  
6 Required



Item 11  
1/4-20 Lock Nut  
6 Required



Item 13  
Rear Bow  
1 Left Shown - 1 Right



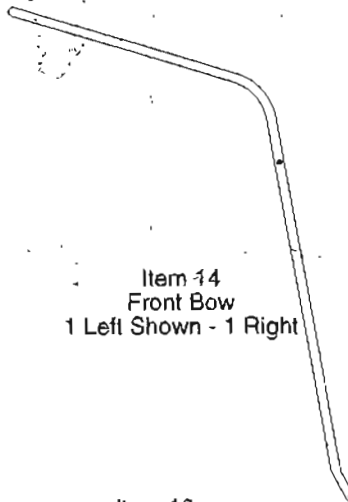
Item 15  
Horizontal Rod  
2 Required



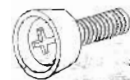
Item 12  
Bow Sleeve  
4 Required



Item 14  
Front Bow  
1 Left Shown - 1 Right



Item 16  
#10-32 Machine Screw Stud  
45 Required



Item 17  
#10-32 Hex Nut  
45 Required



Item 18  
Footman Loop  
2 Required



Item 19  
#8 x 1/2" Oval Head  
Sheet Metal Screw  
45 Required

