

REMOVE OLD FABRIC

A. Unwind spring and remove roller tube

1. Unlock awning and roll down.

2. Set the front rafter arm and the front Z- Lock, if any, to lock the awning open. Support the roller tube either as shown or, preferably, by another person. Unbolt rear main arm from the lower main hinge (Fig. 1a) and slide the main arm tube assembly off of the main arm bar. (Fig. 1).

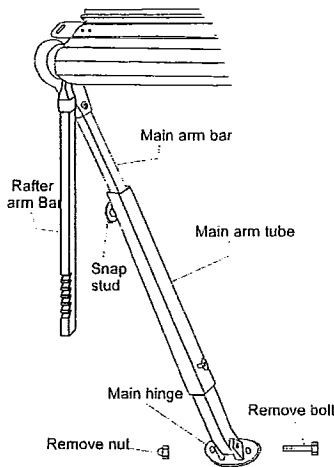


Figure 1a

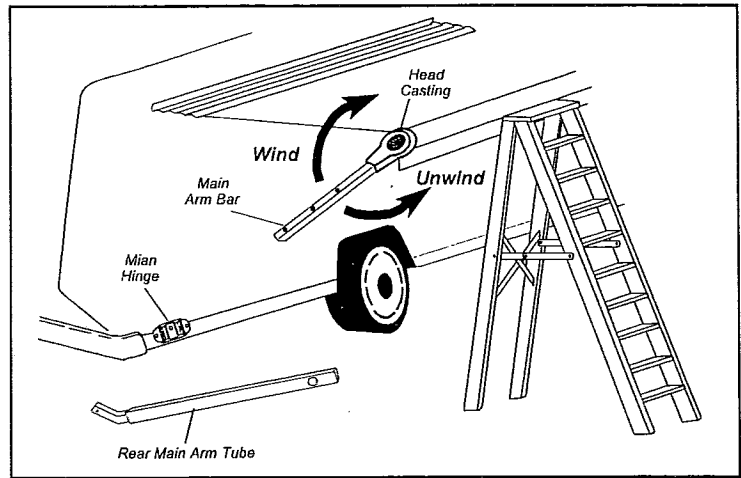


Figure 1

3. Using the main arm bar as a lever, unwind the spring by rotating the main arm bar counter-clockwise. The number of turns will vary with the length of the awning. It will be approximately the length of the awning plus 7 (e.g. 21' awning; 28 turns).

4. After unwinding the spring, put the main arm tube back onto the main arm bar and re-attach the arm to the lower main hinge.

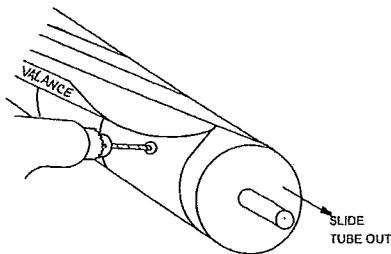
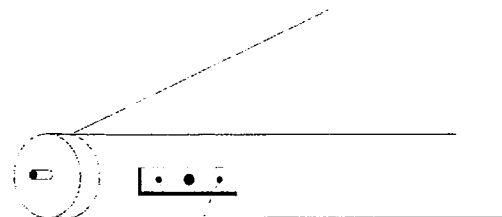


Figure 2

5. Working from the underside of the awning, raise the valance of the awning to expose the heads of the rivets that secure the fabric to the roller. Drill off the heads of the rivets with an electric drill and a 9/64" drill bit. (Fig. 2) **Note:** If a center support or Screen Enclosure has been installed, the roller plate and/or snaps must also be removed. (Fig. 2a)

6. When all the rivets have been removed, detach the roller assembly from both main arms by disconnecting the head casting at each end from the roller shaft (Fig. 3). Allow the awning fabric and roller to hang down the side of the vehicle. If Rafter Bars are attached to the Head Castings or roller shafts, mark each bar as "Front" or "Rear" for later reassembly.



TO REMOVE, DRILL OFF RIVET HEADS

Figure 2a

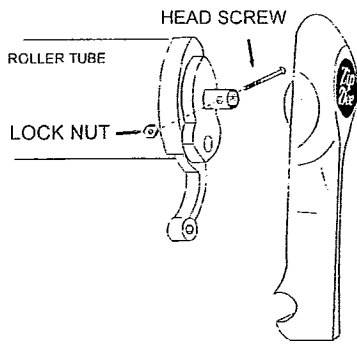


Figure 3

7. Slide the roller tube out of the fabric pocket and lay to one side. If the roller assembly is equipped with a Z-Lock, that end will not pass through the fabric pocket. The end without the Z-Lock could be pulled through the fabric or if there are Z-Locks at both ends, it is necessary to drill out and remove the front Zlock. (Fig. 3a)

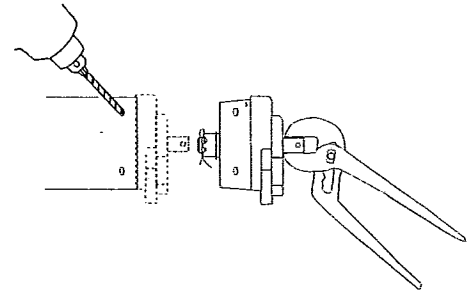


Figure 3a

B. REMOVE FABRIC FROM VEHICLE

1. Disconnect the case slat directly attached to the fabric from the remaining portion of the case by unscrewing the Phillips screw from each end of that case slat (Fig. 4) and slide that slat, together with the fabric, out of the other slats. If the case slats are secured with rivets rather than screws (awnings before 1980), drill off rivet heads (Fig 4a) on both ends of end slat. When reassembling, used special #6 screw provided. NOTE: This will be easier to do if the slat is twisted slightly downward keeping it from binding. (Fig. 4b)

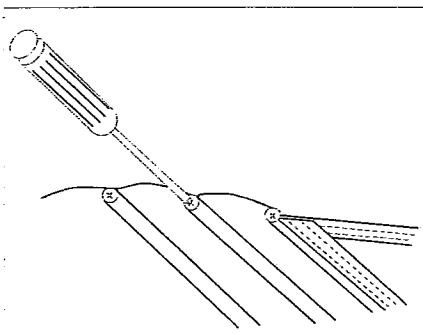


Figure 4

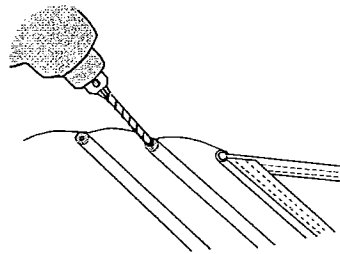


Figure 4a

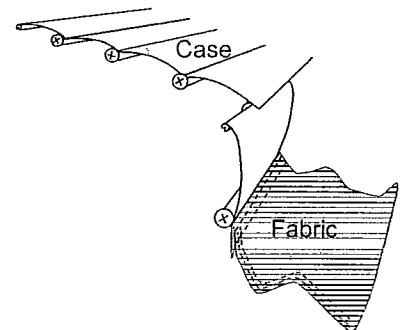


Figure 4b

2. Lay the fabric and case slat on a flat clean surface with the underside facing up

C. SEPARATE FABRIC FROM CASE SLAT

NOTE: IF REPLACEMENT FABRIC WAS PURCHASED WITH SLAT ATTACHED, SKIP TO STEP D5

The fabric of a Zip Dee awning is attached to the metal wrap-around cover by sliding the end hem of the fabric, which has been sewn around a 3/16" diameter cord, into the open channel of the end slat. (Fig. 5.)

Although the diameter of the cord prevents the fabric from pulling directly out of the cover, the channel was "Crimped" closed at intervals in order to prevent the fabric from sliding or shifting out of the channel.

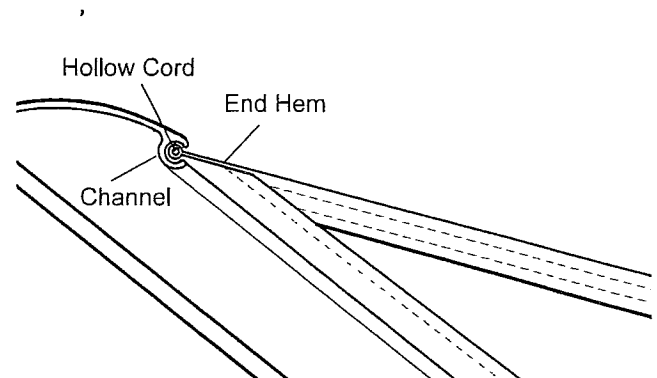


Figure 5

To remove an existing fabric from the metal cover, it is only necessary to loosen the crimps enough to allow the fabric to slide out of the channel. Opening the crimps too far or attempting to open the channel to pull the corded hem directly out may cause the channel to crack when it is closed.

1. Remove screw from each end of cord (after 1/90 only). Some models 2 small screws through the channel and into the cord. Remove these also. (Fig. 6)

2. Using the optional uncrimping tool, as shown in Fig. 6, or a vise grip pliers. Insert tool or pliers next to, not over each crimp, then rotate the channel open. Open the channel just enough to be able to shift the fabric. When all the crimps have been opened, slide the fabric out of the channel.

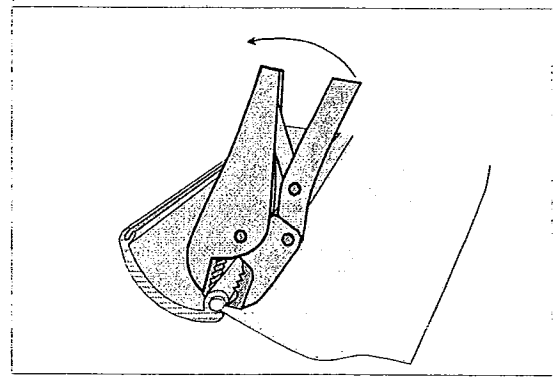


Figure 6

D. ATTACH NEW FABRIC TO SLAT

1. Lay the new fabric out flat with the underside facing (the hem is visible) up. Slide the case slat onto the bead of the fabric with the underside also facing up.

2. Align the fabric and case at one end so both are even. Trim any excess cord even with the fabric. Crimp over the end hem to hold the cord in place, then Insert a #6 phillips screw (provided) into the cord and tighten until cord is drawn even with slat. Smooth fabric evenly along the slat, then trim and secure the opposite end.

3. Use a vise grip pliers to close down the remaining crimps that were previously opened (Fig. 7) just enough to prevent the fabric from shifting in the case channel. Crimp only on each side of, not over, the seams.

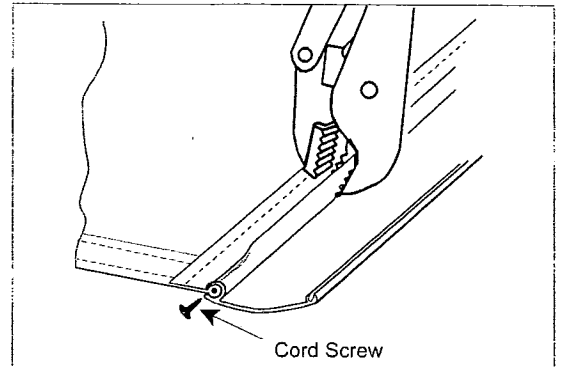


Figure 7

4. Slide the case slat with the fabric back into the case assembly until it is even with the other slats. Again, lifting and twisting downward as shown in Fig. 4b to allow slat to slide easily. Re-install the Phillips screws at each end of the case slat to secure it in place.

E. REINSTALL THE ROLLER TUBE

1. Slide the roller tube back into the fabric pocket making sure that the spring of the roller is to the left side. Equal amount of roller should be projecting from each end so the fabric pocket is even and stretched on the tube.

2. Reattach Z-Lock assembly, if it was removed in Step A7. Use 5/32 x 4/16 steel blind rivets. Reattach the Head Castings to each end of the roller. (Fig. 8) If the awning style is US or UC produced after 1989, reattach the Rafter Bars to each end of the roller by slipping the Rafter Link that were removed in step 6 onto shafts of roller. **Remember:** There is a front and rear bar marked in Step 5. Be sure Fin on casting facing away from roller before securing Head Castings. (Fig. 8)

3. Set the Rafter arms at each end of the awning to provide tension and help straighten the fabric.

4. Raise the awning so that the roller assembly is comfortably at eye level

5. Straighten the fabric on the roller so that there are no wrinkles or sags in the fabric and that it has an overall flat even appearance

6. Using a blind or "PoP" rivet gun (**Fig. 9**) secure the fabric to the roller with a special 1/8" dia. wide flange aluminum blind rivet. Move down the length of the awning, drilling through the fabric and the steel tube at every seam and the middle of each panel making sure that a rivet is installed at each end seams as well.

7. Disconnect the rear main arm from the rear hinge casting again and, using the main arm bar, wind the spring in a clockwise direction 7 turns plus one turn for every foot of awning length. (**Fig. 1**) For example, 21' awning equals 31 turns.

Test the awning spring tension. Disconnect and store the rafter arms and test the awning for spring tension. Proper tension is achieved when the roller remains open with the rafter arms disconnected, but closes of its own tension when being given a starting push of 12" to 15". It may be necessary to add or deduct a turn or two to reach this balance.

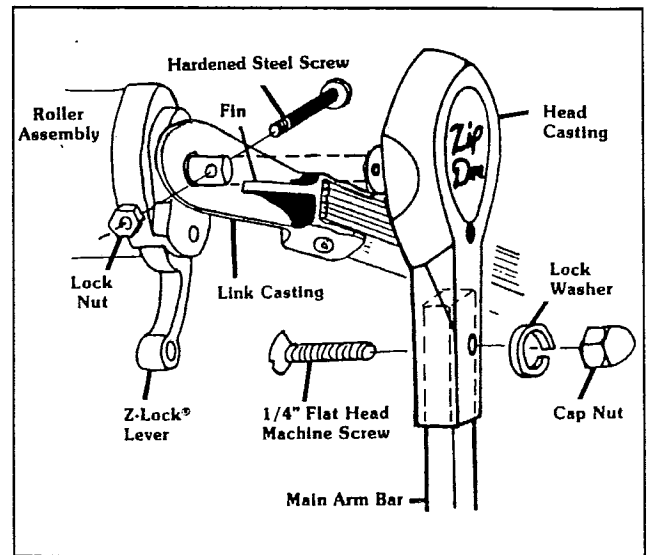


Figure 8

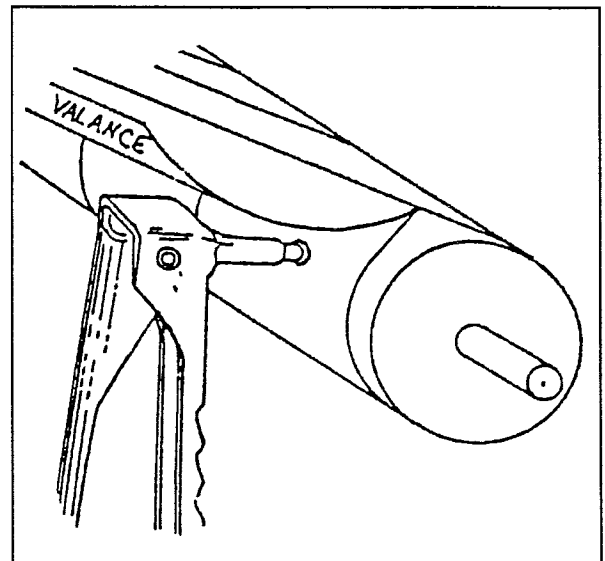


Figure 9

Replacement fabrics are available for any Zip Dee awning. They can be purchased by themselves or attached to a single case slat for easier installation. Either way, the fabric must be detached from the roller by drilling out the blind rivets which attach it. Instructions and replacement rivets to reattach the fabric to the roller tube are supplied with the new fabric.

WITH A CASE SLAT: Reinstallation is easier; simply slide out the end slat of the case with the old fabric attached and slide in the new. There is no need to open the crimps in the metal channel, which can sometimes lead to metal fatigue and cracking. Must ship by truck.

FABRIC ONLY: Fabric must be detached from the channel of the end slat by opening the numerous crimps in the channel. An optional fabric release tool is available for this purpose. The channel must then be re-crimped on the new fabric. Care must be used to prevent metal fatigue and cracking in the channel. Shipping costs are lower since fabric alone may be sent by UPS.

HOW TO MEASURE AND ORDER REPLACEMENT FABRIC:

To order a replacement Patio or Window awning fabric, you must provide us with:

1. **THE EXACT LENGTH OF THE FABRIC:** measure the length of the metal cover as shown below to which the fabric attaches (this is not the same as the awning length).
2. **THE PATTERN NUMBER OF THE FABRIC:** since there are over 100 patterns, we need the pattern number as it appears in the Zip Dee Color Selector or Sunbrella swatch book. If you are matching existing awnings, the pattern number (color code), slope and the exact size of the fabric can be found on the work tag sewn into the front hem on the underside of the awning near the metal cover as "Slope-Color Code".
3. **METAL FINISH:** bright or satin.
4. **SLOPE OF THE FABRIC,** as measured from case to the seam behind the roller. The color code on the Work Tag described above includes the slope code number.
5. **DIAMETER OF THE ROLLER TUBE** (Window awnings only) Will be either 2 1/4" or 2 1/2"

