



REPLACEMENT INSTRUCTIONS FOR 2500 CATALINA AWNINGS

■ FABRIC TORSION ASSEMBLY ROLLER TUBE

Tools and Supplies Required:

Phillips Screwdriver
Brass Hammer
3/16" Drill Bit
1/8" Pop Rivets

Pop Rivet Tool
Electric Drill
3/16" Pop Rivets
1/8" Punch

Round File
Step Ladder
11/8" Drill Bit

A. GENERAL INSTRUCTIONS

The fabric roller tube assembly consists of a fabric, a roller tube, and torsion assemblies.

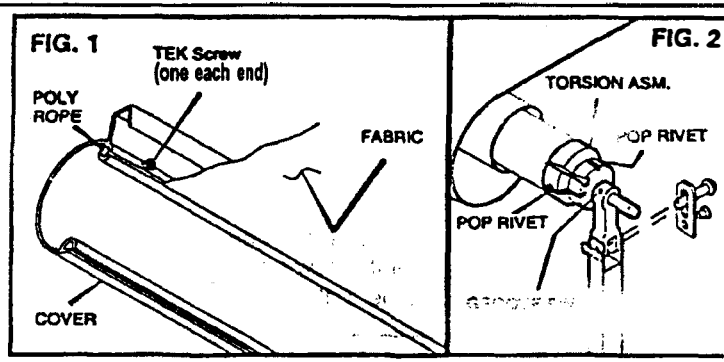
Service to the fabric roller tube should be performed **ONLY** by a qualified service person.

In all instances of fabric or roller tube replacement, it will be necessary to have a work area large enough to allow complete unrolling of the awning. This area must be clean and smooth so the fabric will not be damaged.

Read and understand these instructions before starting the replacement of a fabric, roller tube, or torsion assembly.

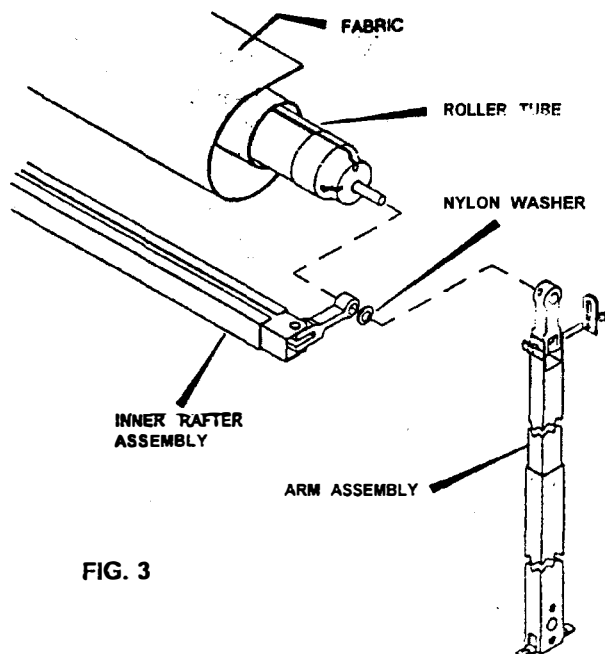
B. RELIEVING TENSION FROM TORSION ASSEMBLIES

1. Remove the two TEK screws from groove in the cover. See Fig. 1
2. Remove the groove pin from each torsion rod. (See Fig. 2) Removal of these pins relieves tension from the torsion assemblies.



C. REMOVING THE FABRIC ROLLER TUBE ASSEMBLY

1. Remove one arm assembly from the end of torsion, being careful not to misplace the nylon washer. (See Fig. 3)
2. Remove inner rafter assembly from the same end. Repeat Steps 1 and 2 for the other side.
3. Gently slide fabric roller tube assembly from casing and lead rail.



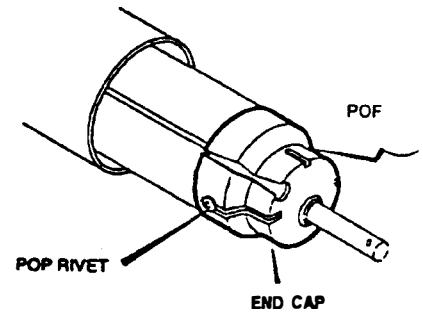
REVISION A

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D. HOW TO REMOVE TORSION ASSEMBLIES

1. Using a 1/8" drill bit, drill out the pop rivets in the end caps. Slide entire torsion assembly out of the roller tube. See Fig. 4. Remove rivet bodies from the roller tube. Repeat for opposite side.

FIG. 4



E. REMOVING FABRIC FROM ROLLER TUBE

1. Remove TEK screws from each end of the roller tube.
2. With the awning laying flat, slide the roller tube out from the fabric.

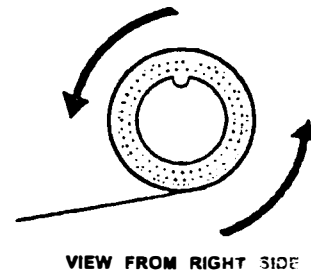
F. INSTALLING FABRIC ON ROLLER TUBE

NOTE: To prevent damage to the new fabric during installation, the channel of the lead rail that the old fabric came out of should be filed smoothly.

1. Unfold the fabric and lay it on top of the existing fabric in the exact same position. Be sure the new fabric is the correct size and color. If the roller tube is being replaced, make sure it is the correct length and position it the same as the original.
2. File the groove of the tube, then guide the roller tube over the poly rope of the new fabric. Be careful not to damage the roller tube or the fabric.

3. Center the fabric on the roller tube. Hand roll the entire assembly in the same direction as the original fabric. (See Fig 5) Clip ends of poly rope even with the roller tube.

FIG. 5



G. REPLACING ROLLER TUBE ASSEMBLY IN CASE

1. Gently slide the roller tube assembly back into the case while guiding poly rope through cover. Center fabric on cover and secure with TEK screws. Screw TEK screws in at an angle to prevent damage to the outside of cover.
2. Replace inner arm and inner rafter back into the original position.
3. Replace groove pins on both ends with a brass hammer, gently tapping into place.

H. REPLACING TORSION ASSEMBLIES

1. Reinstall the torsion assembly in the roller tube. Align the rivet holes in the roller tube.
2. Secure end caps to roller tube with 1/8" pop rivets.

NOTE: If the roller tube is new, rivet holes will have to be drilled.

1. REWINDING TORSION ASSEMBLY

1. Remove 3/16" pop rivets from aluminum lock tabs at each end. (See Fig 6) Slide lock tabs down.
2. Wind torsion by turning arm assembly in a 360° rotation. When facing the unit, the torsion *on* the right is to be turned counter-clockwise. (See Fig 7A) The torsion on the left end is to be turned clockwise. (See Fig 7B) Refer to chart below for proper number of turns.

FIG. 6

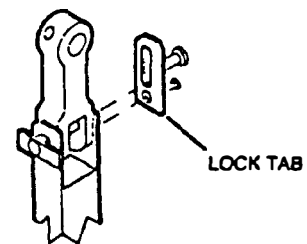
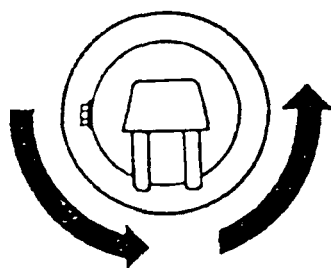


FIG. 7A

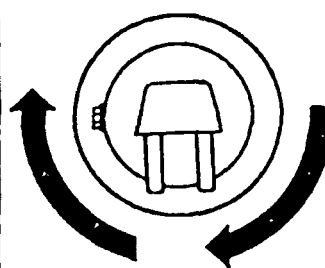
RIGHT END CAP



END CAP-VIEWED
FROM RIGHT SIDE

FIG. 7B

LEFT END CAP



END CAP-VIEWED
FROM LEFT SIDE

SIZE:	2.5m	3.0m	3.5m	4.5m
TURNS:	7	8	8	9