

REPLACEMENT INSTRUCTIONS FOR DOOR AWNINGS

■ FABRIC ■ TORSION ASSEMBLY ■ ROLLER TUBE

FOR MODELS ELITE AND CUSTOM DELUXE

TOOLS AND SUPPLIES REQUIRED:

Screwdrivers	Pop Rivet Tool	Adjustable Wrench
Socket Wrench Set	Electric Drill	Step Ladder
3/32" Drill Bit	3/32" Pop Rivet	1/8" Drill Bit
1/8" Pop Rivet	7/64" Cotter Pin	

A. GENERAL INSTRUCTIONS

The Door Awning Fabric Roller Tube Assembly (FRTA) consists of a fabric, a roller tube and two torsion assemblies.

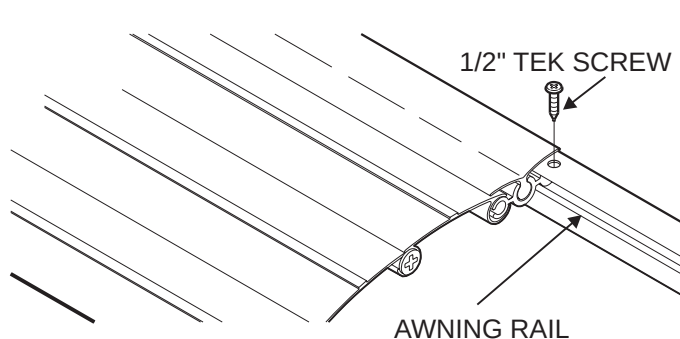
! WARNING

This manual should be read and understood before installation, adjustment, service or maintenance is performed. This unit must be installed and serviced by a qualified serviceman. Modifications of this appliance can be extremely hazardous and could result in personal injury or property damage.

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, torsion assembly or roller tube.

FIG. 1



B. PINNING THE TORSION

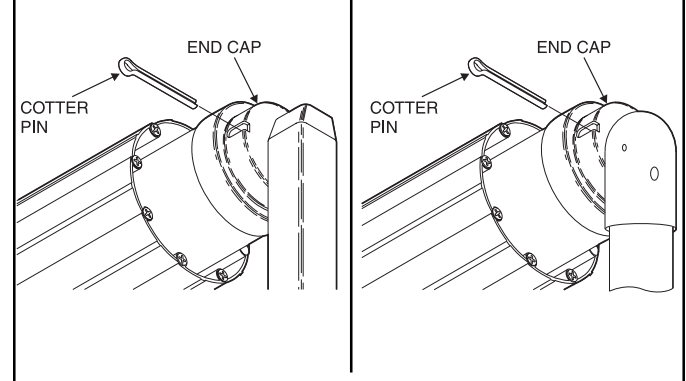
1. Rotate the roller tube slightly to allow three or more inches of fabric to unwind. Insert the 3" x 7/64" cotter pin into the end cap and through the torsion rod. Do both ends. (See FIG. 2)

C. REMOVAL OF THE AWNING FROM THE COACH

NOTE: Awning removal is not necessary when replacing only a torsion assembly. Proceed to Section D, Step 1.

1. Remove the TEK screws (two #6 x 1/2") that center the fabric in the awning rail. (See FIG. 1).
2. With the cotter pins in place the two fasteners can be removed from the top castings. Lift the top castings out of the arms. Slide the fabric out of the awning rail and lay it on a clean work area.

FIG. 2



REVISION

Form No. 3105843.019 1/98
(French 3108410.006)

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D. UNWINDING AND REMOVING A TORSION ASSEMBLY

! WARNING

Proper awning operation requires that the roller be under spring tension from the torsion assemblies. Improper release of this spring tension can result in damage to the awning, severe personal injury, or both.

NOTE: When awning is removed from the coach, proceed to Step 2.

1. Make sure the cotter pin is installed as instructed in **Section B** before removing the arms.
2. Hold the fabric roller tube assembly (FRTA) so it cannot roll. Clamp a vise grip tight on the top casting or insert a one inch pipe or rod into the round top casting. Pull the cotter pin out of the torsion. Keep a firm grip on the vice grip/pipe and slowly unwind the spring.
3. Use the 1/8" drill to remove the pop rivets that hold the end cap onto the roller tube. Pull out the torsion assembly and remove the rivet bodies that may be inside the roller tube. Repeat procedure on other end.

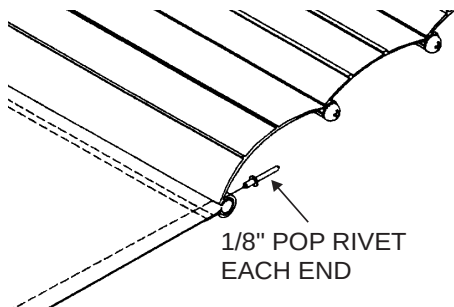
E. HOW TO REMOVE FABRIC FROM THE ROLLER TUBE

1. Remove fabric and roller tube from the coach. See Section D., Steps 1–3 for torsion removal.
2. Roll the awning fabric out on a clean, smooth work area.
3. With the awning fabric laying flat, slide the roller tube off the fabric.

NOTE: To remove the fabric from the slat assembly remove the 3/32" pop rivets from both ends of the roller cover. Once the rivets are removed, you can slide the fabric out of the cover. (See FIG. 3).

F. INSTALLING FABRIC ON THE ROLLER TUBE

FIG. 3



NOTE: When changing the fabric, it is vital that the same grooves be used on the roller tube. This eliminates the need to drill new holes.

1. Lay the new fabric on top of the existing fabric in the 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. Guide the roller tube back on the poly ropes of the new fabric. Be careful not to damage the roller tube or the new fabric.
3. Center the fabric on the roller tube and hand roll the fabric.
4. Cut the poly rope on the fabric even with the ends of the roller tube.
5. Install two pop rivets in the main slat on both ends to prevent the fabric from shifting in roller cover. If a new roller cover assembly is being installed, a 3/32" hole will need to be drilled 1-1/2" to 2" from end of main slat for the pop rivets. To prevent damage, be sure to remove any burrs left by the drill. (See FIG. 3).

G. REPLACING TORSION ASSEMBLY

1. Reinstall the torsion assembly in the roller tube. Align the rivet holes on the end cap with the holes in the roller tube.

NOTE: If the roller tube is new, rivet holes will need to be drilled. Use the 1/8" drill to make new holes. Remove all burrs out of the roller tube.

2. Secure the end cap to the roller tube with 1/8" pop rivets.

H. REWINDING THE TORSION

1. The top casting of the right-hand torsion is to be turned counterclockwise (the right-hand end of the awning is always on your right side as you are facing the coach). (See FIG. 4). The top casting of the left-hand torsion is to be turned clockwise. (See FIG. 4A).
2. Turn the casting the number of turns indicated in the chart.

Model	Size	Torsion Turns
850(XXX)XX.030	30"	9
85(XXX)(XX).040	40"	9
85(XXX)(XX).048	48"	9
85(XXX)(XX).054	54"	10
85(XXX)(XX).060	60"	11
85(XXX)(XX).066	66"	12
85(XXX)(XX).072	72"	12

3. Insert the 3 x 7/64" cotter pin through the end cap and torsion rod. This will prevent the spring from unwinding. Repeat for opposite end.

I. INSTALLING AWNING ON COACH

1. The fabric roller tube assembly (FRTA) has been wound and pinned as described in **Section H, Steps 1-3**. Unroll one wrap off the FRTA and slide it into the awning rail.
2. Replace the arms back on the top castings and install the fasteners that secure them together.
3. Remove the two cotter pins from the end caps on both ends of the FRTA.
4. Extend the awning three to four times and center the fabric in the awning rail. Install the TEK screws in the awning rail to prevent the fabric from shifting.
5. Test awning for proper operation, and adjust as necessary.

