

REPLACEMENT INSTRUCTIONS FOR WINDOW AWNINGS

■ FABRIC ■ TORSION ASSEMBLY ■ ROLLER TUBE

FOR MODELS DELUXE PLUS, DELUXE W/ SLATS, ELITE, GRANDVIEW & SUNSCREEN WINDOW AWNINGS

Tools and Supplies Required:

Screwdriver
Socket Wrench Set
3/16" Drill Bit
1/8" Pop Rivets

Pop Rivet Tool
Electric Drill
3/16" Pop Rivets

Adjustable Wrench
Step Ladder
1/8" Drill Bit

A. GENERAL INSTRUCTIONS

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

For proper awning operation, the roller is 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.

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. REMOVAL OF THE AWNING FROM THE COACH

NOTE: Awning removal from the coach is NOT necessary when replacing a torsion assembly. Proceed to Section C.

FOR DELUXE PLUS, DELUXE W/ SLATS, ELITE AND GRANDVIEW MODELS

1. Remove the TEK screws securing the awning fabric aluminum guard at each end of the awning rail.
2. Slide the awning fabric/aluminum guard out of the awning rail.

FOR SUNSCREEN MODELS

1. With vise grips, grasp top casting on right end of awning.
2. Remove 1/4-20 x 3/4 truss hd. bolt that secures right top casting to mounting bracket.
3. Carefully pull right top casting away from mounting bracket and slowly allow the torsion spring to unwind completely.
4. Remove 1/4-20 x 3/4 truss hd. bolt securing left top casting to mounting bracket.
5. The Sunscreen can now be removed from the coach.

C. UNWINDING & REMOVING A TORSION ASSEMBLY SPRING

WARNING

Use Extreme Care. Springs under tension are dangerous. If not controlled they will unwind quickly. Keep hands and clothing clear of top casting, as personal injury may result.

REVISION

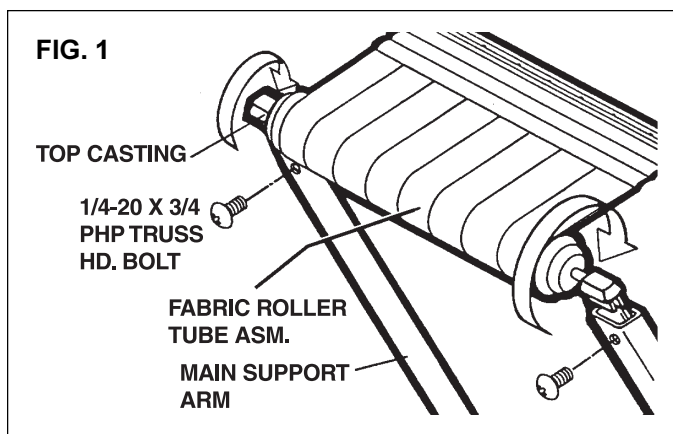
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Note: When awning is installed on a coach, complete the following steps on a step ladder, with the awning fabric unrolled three inches from the awning rail.

1. Remove the 1/4-20 x 3/4 PHP Truss HD Bolt from the top casting. (See Fig 1)



2. Take the top casting carefully out of the main support arm. Gently rest main arm against the coach to avoid damage to the sidewall. Slowly let the torsion spring unwind completely. Repeat for the opposite side.
3. Using a 3/16" drill bit, drill out the two pop rivets in the end caps. Slide entire torsion assembly out of the roller tube. Remove rivet bodies from the roller tube.

FOR SUNSCREEN MODELS

NOTE: Only the right torsion assembly requires replacement on the Sunscreen models.

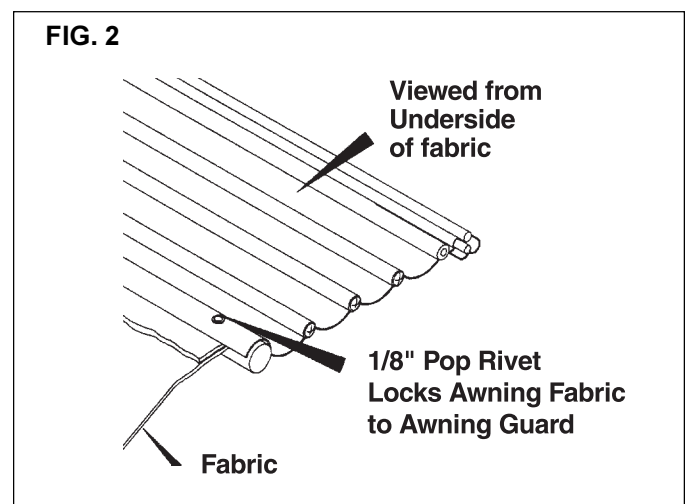
1. With vise grips, grasp top casting on right end of awning.
2. Remove 1/4-20 x 3/4 truss hd. bolt that secures right top casting to mounting bracket.
3. Carefully pull right top casting away from mounting bracket and slowly allow the torsion spring to unwind completely.
4. Using a 3/16" drill bit, drill out the two pop rivets in the end caps. Remove the torsion assembly from the roller tube. Remove rivet bodies from the roller tube.

D. HOW TO REMOVE THE FABRIC FROM THE ROLLER TUBE

FOR ALL MODELS LISTED

1. Remove both torsions. See Section B, Steps 1-2 for torsion removal.
2. Roll the awning out completely on a clean, smooth surface.
3. With the awning fabric laying flat, slide the roller tube out from the fabric.

NOTE: When removing the fabric from the Deluxe w/ Slats and Elite model awnings, it is necessary to remove the 1/8" pop rivets from both ends of the aluminum guard. Once the rivets are removed, you can slide the fabric out of the guard. (See Fig. 2)



E. INSTALLING THE FABRIC ON ROLLER TUBE

FOR ALL MODELS LISTED

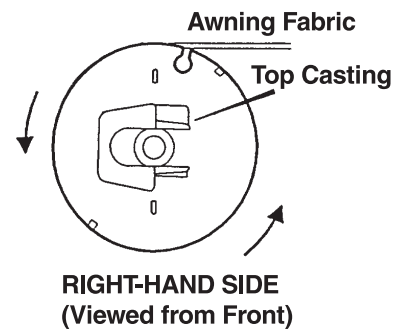
1. Unfold the new fabric and lay it on top of the existing fabric in the same position. Be sure the new fabric is the correct size and color. If roller tube is being replaced, make sure it is the correct length and position it the same as the original.
2. Guide the roller tube over the poly rope(s) of the new fabric. Be careful not to damage the roller tube or the fabric.
3. Cut the poly rope(s) on the new fabric even with the ends of the roller tube. When replacing the fabric on the Deluxe w/ Slats and Elite model awnings, slide the aluminum shield on the poly rope of the new fabric. Secure the fabric in the aluminum guard with a 1/8" pop rivet at each end.

Note: When changing the fabric, it is vital that the same groove(s) be used. This eliminates the need to redrill any holes.

- Center the fabric on the roller tube and hand roll the entire assembly in the same direction as the original fabric. (See Fig 3)

Note: When installing fabric on the Deluxe w/ Slats and Elite model awnings, it is necessary to slide the new fabric into the aluminum guard and re-secure with 1/8" pop rivets at each end.

FIG. 3



F. REPLACING TORSION ASSEMBLIES

FOR ALL MODELS LISTED

- Reinstall the torsion assembly in the roller tube. Align the rivet slots on the end cap rivet holes in the roller tube.

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

- Secure ends caps with 3/16" pop rivets.

G. REWINDING THE TORSION

FOR ALL MODELS LISTED

- When facing the awning, the top casting on the right is to be turned counterclockwise. (See Fig 4A; For Sunscreen Models, Use FIG. 4A ONLY) The top casting on the left is to be turned clockwise. (See Fig 4B)
- Turn the top casting as specified, and carefully insert it back into the main support arm. Then secure with a 1/4-20 x 3/4" PHP Truss bolt. Repeat for other side. Refer to chart below for proper number of turns.

FIG. 4A

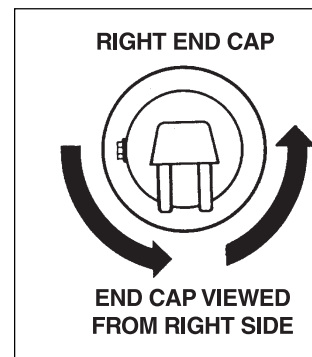
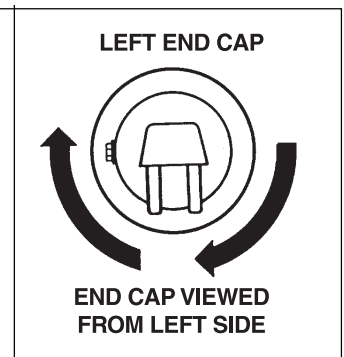


FIG. 4B



SIZE:	156" – 192"	144"	132"	120"	108"	96"	90"	84"
TURNS:	16	14	14	13	13	13	13	12

SIZE:	72"	66"	60"	58"	54"	48" AND LESS
TURNS:	12	12	11	10	10	9

SUNSCREEN MODELS ONLY

SIZE:	72"	66"	60"	58"	54"	48"	42"	36"	30"
TURNS:	2	2	2	2	2	2	2	2	2

NOTE: An additional two turns may be added (a total of four turns) if the fabric does not return fully when retracting. **DO NOT** put more than four turns of preload torsion on spring as damage may occur to torsion spring when sunscreen is pulled down.

H. INSTALLING AWNING ON COACH

Slide fabric/aluminum guard back into awning rail and secure with Tek screws.