72185 County Road 3
Nappanee, IN 46550

Newmar Corporation
Warranty Department

800.858.4924
Fax 219.773.2007

Technical Service Bulletin

Date Issued	Model Year(s) Affected	Model(s) Affected	TSB #
3/14/96	1996	ALL	132

Brand				Type		
All ☐	American Star ☐	Kountry Star ■	Dutch Star ■	All ☐	T T ☐	F W ☐
NewAire ☐	Mountain Aire ■	Kountry Aire ■	London Aire ■	C A ■	D P ■	D B ☐

- ☐ Air Conditioning & Heating
- ☐ Appliances & Accessories
- ☐ Cabinets & Furniture
- ☐ Chassis Components
- ☐ Construction Components
- ☐ Electrical Components
- ☐ Exterior Components
- ☐ Interior Components
- ☐ Plumbing & Bath Components
- ■ Windows, Awnings, Vents, & Doors

Description of Problem

A&E slide topper awning unwinding with slide out in the in position. Newmar did not put enough turns in the awning springs. All units built between 1/1/96 and 3/6/96 would need to be redone.

Recommended Solution

A&E would like to have the awning have six turns total. Please wind the awning up three more turns as Newmar was only putting three turns at time of production. Please refer to the attached sheet from A&E. Please allow .5 hour to complete. If you have any questions, please contact your service representative.

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A&E Systems®
by Dometic

INSTRUCTIONS FOR THE REPLACEMENT OF SLIDE TOPPER AWNINGS

■ FABRIC ■ TORSION ASSEMBLY ■ ROLLER TUBE

TOOLS REQUIRED:	
Screwdriver	(2) Cotter Pins (7/64" x 2-3/4")
Pop Rivet Tool	3/16" Drill Bit
Electric Drill & 1/8" Drill Bit	(6) 3/16" x 3/8" Aluminum Pop Rivets
Pliers	(4) 1/8" x 1/4" Aluminum Pop Rivets
Stepladder	

A. GENERAL INSTRUCTIONS

The Slide Topper fabric roller tube assembly (FRTA) consists of a fabric, roller tube and two torsion assemblies.

For proper Slide Topper Awning operation, the roller tube is under spring tension from the torsion assemblies.

⚠ WARNING

Use extreme care. Springs under tension are dangerous. If not controlled, they will unwind quickly. Keep hands and clothing clear of the end brackets as personal injury may result.

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 awning fabric will not be damaged.

⚠ WARNING

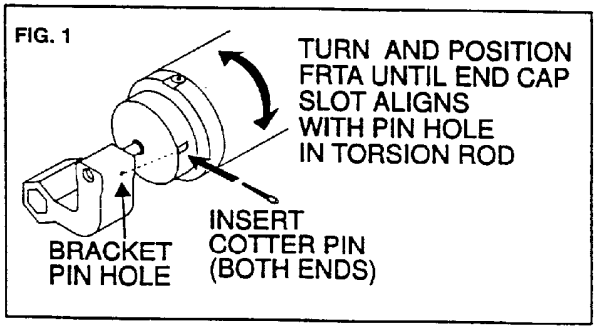
This Manual should be read and understood before installation, adjustment, service or maintenance is performed. This unit must be installed and serviced by a qualified serviceman. Modification of this appliance can be extremely hazardous and could result in personal injury or property damage.

B. REMOVAL OF SLIDE TOPPER FROM SLIDE OUT OF THE COACH

For ease of repair and winding or unwinding of the torsion, the awning must be removed from the slide out. The slide out should be fully retracted to the transport position.

1. Remove the TEK screws securing the awning fabric/aluminum guard at each end of the awning rail. (See FIG. 2, Page 2).
2. Insert a 7/64" x 2-3/4" cotter pin into each end cap and through the hole in the torsion rod. It may be necessary to turn the roller tube and slide the end bracket toward or away from the FRTA to align with the hole in the torsion rod. (See FIG. 1). Repeat on the opposite end.

FIG. 1



3. Remove both self-tapping screws holding the extension bar in the mounting bracket.

(Continued on Page 2 . . .)

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Remove both mounting brackets from the slide out. (See FIG. 2)

4. Slide the awning out of the mounting bracket and awning rail. (See FIG. 2) This may require two people.

FIG. 2

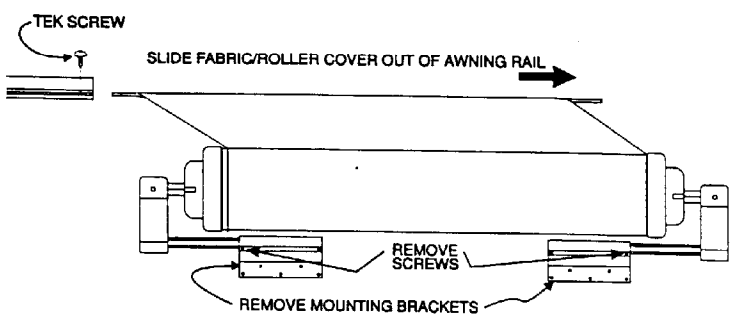
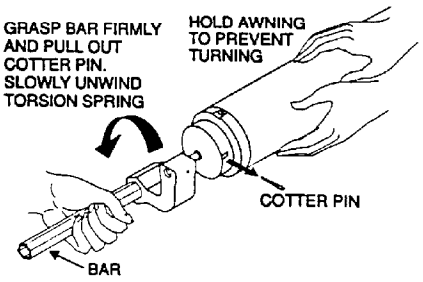


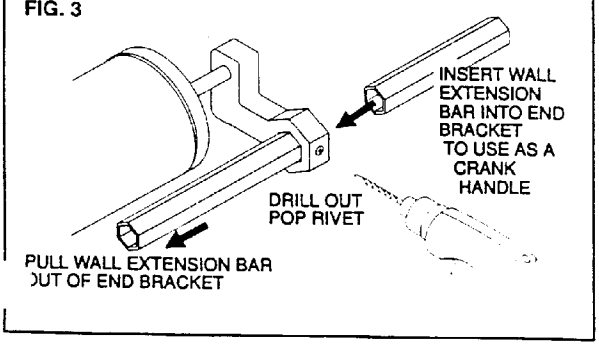
FIG. 4



C. UNWINDING AND REMOVE A TORSION ASSEMBLY

1. Remove Slide Topper awning from the coach. See Section B, Steps 1–4.
   NOTE: Do not pull cotter pin at this time.
2. Drill 3/16" x 3/8" pop rivet out of end bracket This will allow the wall extension bar to be removed and inserted from the other side. It then will act as a crank handle. (See FIG. 3). If the other torsion needs to be removed, repeat Step 2.
3. Two people are required when the torsion spring is unwound. Have one person hold the awning tube. The second person tightly grasps the wall extension bar and removes the cotter pin. (See FIG. 4)
4. Slowly unwind the torsion spring. (See FIG. 4)
5. Drill out pop rivets that attach the end cap to the roller tube. Pull the torsion out from the roller tube.

FIG. 3



D. HOW TO REMOVE FABRIC ASSEMBLY FROM ROLLER TUBE

1. Remove the Slide Topper awning from the coach. See Section B, Steps 1–4.
2. Inspect end cap for alignment with the polyrope channel in the roller tube. If the polyrope does not align with the slot of the end cap, the torsion must be removed. See Section C, Steps 1–5.
3. Unroll fabric assembly of the roller tube. Slide the fabric out of the channel and off the roller tube.

E. ROLLER TUBE REMOVAL

1. Remove awning from coach. See Section B, Steps 1–4.
2. Remove both torsions. See Section C, Steps 1–5.
3. Remove fabric assembly. See Section D, Steps 1–3.

F. INSTALLATION OF FABRIC ASSEMBLY ON ROLLER TUBE

1. Be sure the new fabric assembly is the correct size and color. If roller tube is being replaced, make sure it is the correct length.
2. If your roller tube is new, the fabric assembly can be placed in any one of the three channels.
   If you are placing a new fabric assembly onto an existing roller tube, the fabric is placed into the same channel from which the old fabric was removed. This eliminates the need to drill new holes.

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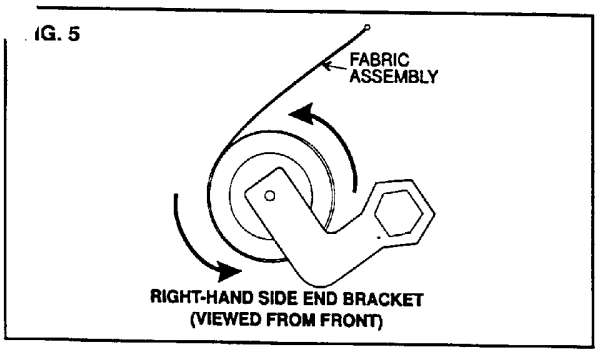
3. Center the fabric assembly on the roller tube and hand-roll the entire assembly in the same direction as the original fabric assembly (See FIG. 5). Trim off any rope protruding from the roller tube.



G. INSTALLING TORSION ASSEMBLY

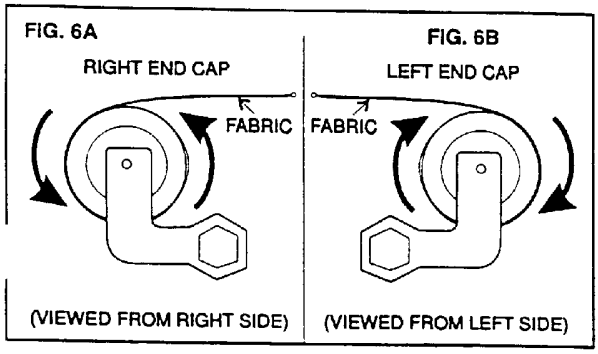
1. Reinstall the torsion assembly in the roller tube. Align the rivet slots on the end cap with the holes in the roller tube.

2. If the roller tube is new, rivet holes will need to be drilled.
   Drill 1/8" holes in the 1-13/16" diameter roller tube.
   Drill 3/16" holes in the 2-1/2" diameter roller tube.
   Use the end cap as a template to locate the holes. The open slot in the end cap should line up with the channel holding the fabric.

3. Secure end cap to roller tube with two pop rivets of the proper size:
   1/8" x 1/4" aluminum pop rivet for 1-13/16" roller tube
   3/16" x 3/8" aluminum pop rivet for 2-1/2" roller tube

H. REWINDING TORSION SPRINGS

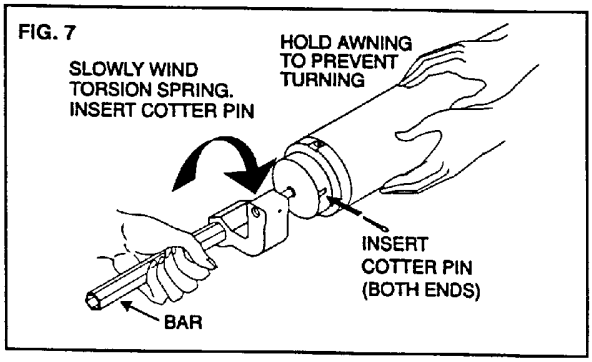
1. When facing the awning, the end bracket on the right is to be turned counterclockwise (see FIG. 6A). The end bracket on the left is turned clockwise (see FIG. 6B).



LENGTH (Inches)	66–102	108–144	150–168	174–192
TURNS	12	13	8	9

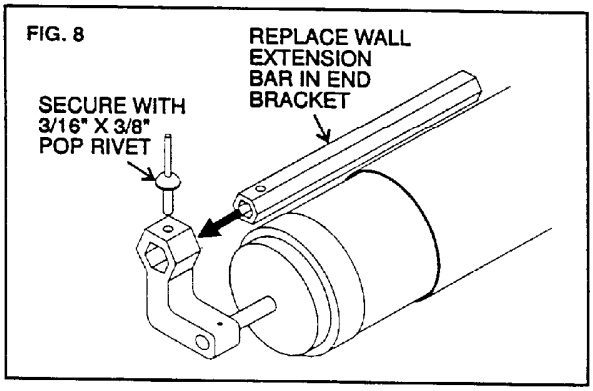
2. Turn the end bracket the number of turns specified in the chart. Two people are required for this procedure.

3. Insert the cotter pin into the end cap and through the hole in the torsion rod to lock spring tension into torsion. (See FIG. 7). It may be necessary to slide the end bracket toward or away from the FRTA to align with the hole in the torsion rod.



4. **Make sure the end brackets are in the same position on each end of the roller tube.**

5. Replace wall extension bar in end bracket. Secure with 3/16" x 3/8" aluminum pop rivet. (See FIG. 8)



I. REPLACE AWNING ON COACH

1. Reverse the steps in Section B., Steps 4–1.

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