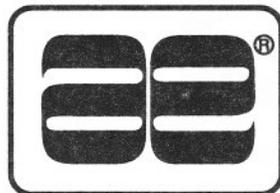




RECORD THIS INFORMATION FOR FUTURE REFERENCE BEFORE INSTALLING THE UNIT:

Model Number _____
Serial Number _____
Date Purchased _____
Place of Purchase _____

8482000 8483000 8484000 838200D Series Universal Hardware



**8500 & 9000
FRTA**

FABRIC ROLLER TUBE ASSEMBLY

USA
SERVICE OFFICE
Dometic Corp.
509 So. Poplar St.
LaGrange, IN 46761
(260) 463-4858

CANADA
Dometic Dist.
866 Langs Dr.
Cambridge, Ontario
CANADA N3H 2N7
(519) 653-4390

**For Service Center
Assistance Call:**
800-544-4881

⚠ WARNING

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

⚠ AVERTISSEMENT

Lire et comprendre ce manuel avant de procéder à l'installation, à des réglages, de l'entretien ou des réparations. L'installation de cet appareil doit être effectuée par un réparateur qualifié. Toute modification de cet appareil peut être extrêmement dangereuse et entraîner des blessures ou dommages matériels.

INSTALLATION INSTRUCTIONS

**8482000 8483000
8484000 838200D
SERIES
HARDWARE**

REVISION

Form No. 3109913.040 9/04
(Replaces 3109913.032)
(French 3109919.047)
©2004 Dometic Corporation
LaGrange, IN 46761

**Important: Instructions must stay with unit.
Owner read carefully**

SAFETY INSTRUCTIONS

This manual has safety information and instructions to help users eliminate or reduce the risk of accidents and injuries.

RECOGNIZE SAFETY INFORMATION



This is the safety-alert symbol. When you see this symbol in this manual, be alert to the potential for personal injury.

Follow recommended precautions and safe operating instructions.

UNDERSTAND SIGNAL WORDS

A signal word, **WARNING OR CAUTION** is used with the safety-alert symbol. They give the level of risk for potential injury.

⚠ WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

⚠ CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

CAUTION used without the safety alert symbol indicates, a potentially hazardous situation which, if not avoided, may result in property damage.

Read and follow all safety information and instructions.

SPECIFICATIONS:

MODEL SERIES**	8482000.001 8483000.001	8482000.002 8483000.002	8482000.003	8482000.101 8483000.101	8482000.102 8483000.102	8482000.107
Height Range	76" - 86"	64" - 76"	72" - 83"	76" - 86"	64" - 76"	94" - 107"
Main Arm Length	73"	61"	68.5"	73"	61"	92"
Adjustable Arm Length	57"	57"	57"	57"	57"	72"
Main Rafter Length	66"	54"	54"	66"	54"	71"
Secondary Rafter Length	32.5"	44.5"	44.5"	32.5"	44.5"	53.5"
Duty*	Standard	Standard	Standard	Heavy	Heavy	Heavy

MODEL SERIES	8482000.401x 8483000.401X 8484000.401X	8482000.402X 8483000.402X 8484000.402X	8482000.405X 8483000.405X 8484000.405X	8482000.407X 8483000.407X 8484000.407X	***8483000.408(X)
Height Range	76" - 86"	64" - 76"	78" - 91"	94" - 107"	Short 64" - 76" Tall 76" - 86"
Main Arm Length	73"	61"	76"	92"	Short 61" Tall 73"
Adjustable Arm Length	57"	57"	72"	72"	Short 57" Tall 57"
Main Rafter Length	66"	54"	71"	71"	Short 54" Tall 66"
Secondary Rafter Length	32.5"	44.5"	53.5"	53.5"	Short 44.5" Tall 32.5"
Duty*	Standard	Standard	Standard	Standard	Standard

MODEL SERIES	8482000.501X 8483000.501X 8484000.501X	8482000.502X 8483000.502X 8484000.502X		
Height Range	76" - 86"	64" - 76"		
Main Arm Length	73"	61"		
Adjustable Arm Length	57"	57"		
Main Rafter Length	66"	54"		
Secondary Rafter Length	32.5"	44.5"		
Duty*	Heavy	Heavy		

*Note: Standard Duty is used with 8500 and 9000 Awnings 21' and below.
Heavy Duty is used with 8500 and 9000 Awnings 22' and above.

**Note: Model series is Satin Color
Replace X with letter code from color chart.

***Note: Model 8483000.408(X) has one Short Arm and one Tall Arm.

COLOR CHART
B = Polar White
E = Colonial White
H = Mende White
S = Satin

INSTALLATION

COVERED BY ONE OR MORE OF THE FOLLOWING PATENTS: 4,188,964; 4,524,791; 5,351,736; 5,351,827; 5,383,346; 5,472,007; 5,516,244; 5,566,918; 5,924,465; 5,732,756; 5,944,085; 6,006,810; 6,098,693; D353,473; D366,763; D395,170; D428,266; D429,894; others pending.

A. APPLICATION

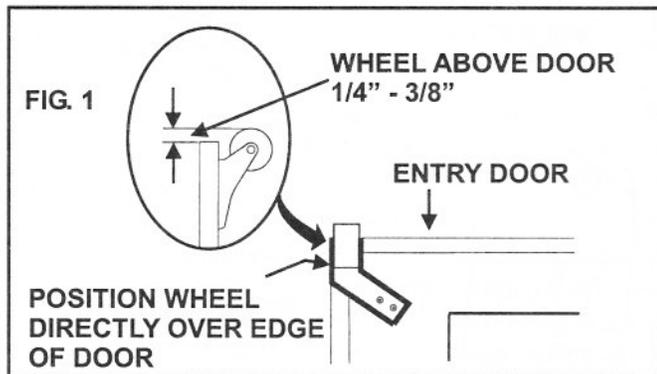
The standard A&E awning is designed and intended for use on motorhomes, mini-motorhomes, 5th wheels and travel trailers with straight sides. For curved sides, please see the separate Hardware List in the Dealer Service Manual for the appropriate model.

Important: Read and understand ALL of the following steps before beginning installation.

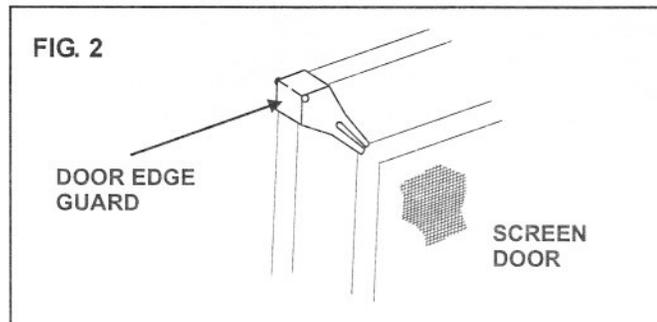
The Dometic Corporation reserves the right to modify appearances and specifications without notice.

A&E Awnings can be installed by one person with brief help from two others. Use the following procedure to assure a properly installed, and properly functioning awning.

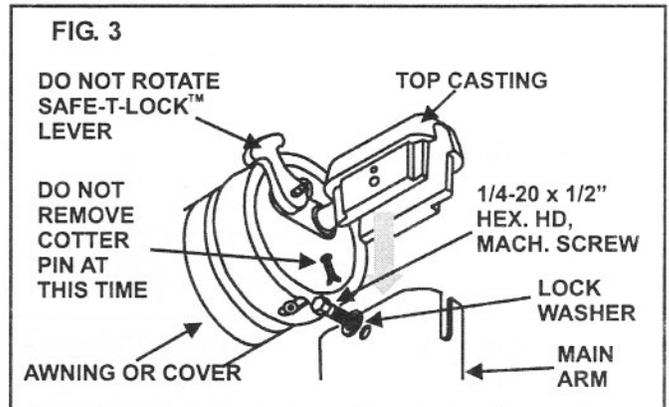
1. When the awning is mounted above a square corner entry door, a door roller and guard (NOT INCLUDED) must be installed per FIG. 1 and FIG. 2. To reduce the potential of damage to the fabric. Rounded doors may not require a door roller if the door will not damage the fabric.



Note: If installing the awning over a square door the A&E (Single) Door Roller Kit is part number 830304 and a carton of 50 is 830304.003.

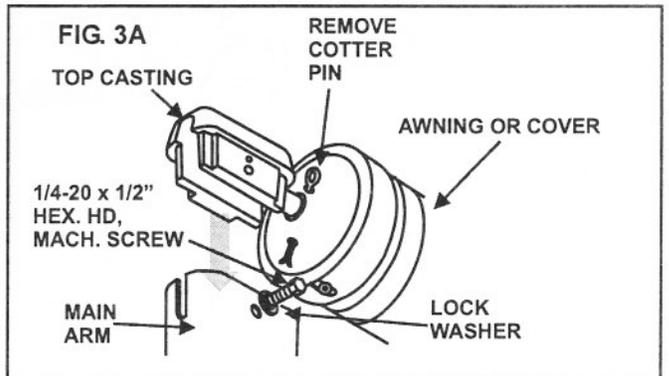


2. Carefully lay the fabric roller tube assembly on "V" troughs or other well protected surface to prevent fabric damage. Secure arm assemblies to the respective top castings using 1/4-20 x 1/2" hex. head machine screws and 1/4" lock washers. (FIG. 3)

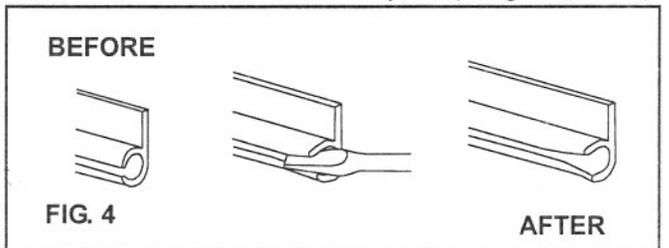


CAUTION
DO NOT REMOVE the right cotter pin. (FIG. 3)

3. After attaching both arms, rotate the Safe-T-Lock™ lever to the roll down position. Straighten, remove and discard left cotter pin only. See FIG. 3A.



4. Prepare the awning rail to accept the awning roller cover. Select the end from which the awning shall be fed, then widen that end of the rail with a flat screwdriver and file off any sharp edges. (FIG. 4)



5. With one person grasping each support arm, carefully lift the entire assembly upright. Keep the two arm assemblies Parallel to each other to avoid damage due to twisting. Carry the awning to the prepared awning rail end. (FIG. 4 & 5)

Feed the awning into the awning rail while standing on a stepladder, (third person) while two carry the awning assembly to the desired position.

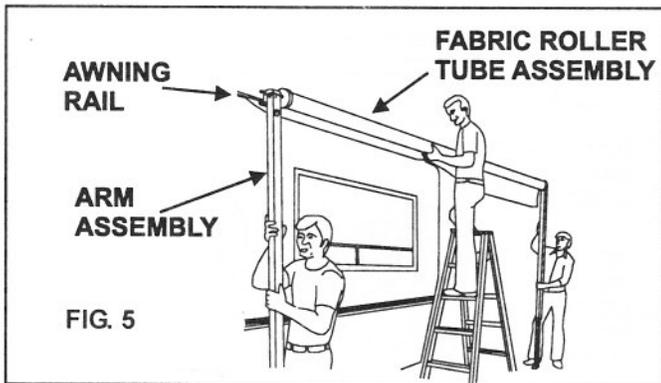


FIG. 5

6. Install Top Brackets. After the complete awning assembly has been threaded into the awning rail, check to be sure that its position allows for solid mounting of the top and bottom brackets and that support arms are in desired location (not restricting use of doors, access doors, windows, etc.). (FIG. 6)

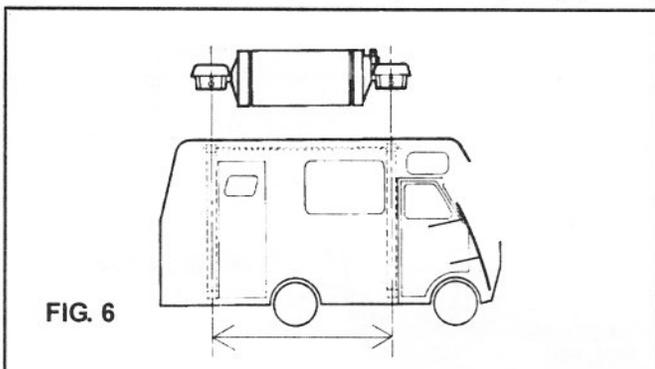


FIG. 6

The top mounting bracket can be placed in several different positions in relationship with the awning rail. Some awning rails have a drip channel to catch water as it runs off the roof and drain it to the front or rear of the coach.

Find solid structure in the coach wall to anchor the #14 X 3" hex head screw. The relationship of the solid structure with the awning rail will determine the position of the top mounting brackets. The top mounting bracket can be placed over, on or under the awning rail as shown in FIG. 7, FIG. 7A, FIG. 7B, & FIG. 7C. If the top mounting bracket cannot touch the side of the coach because the awning rail is too wide, a stand off is available. This will allow the top bracket to clear the wider awning rail. Part number for the (one) stand off is 3109623.003 and 50 count package 3109623.550

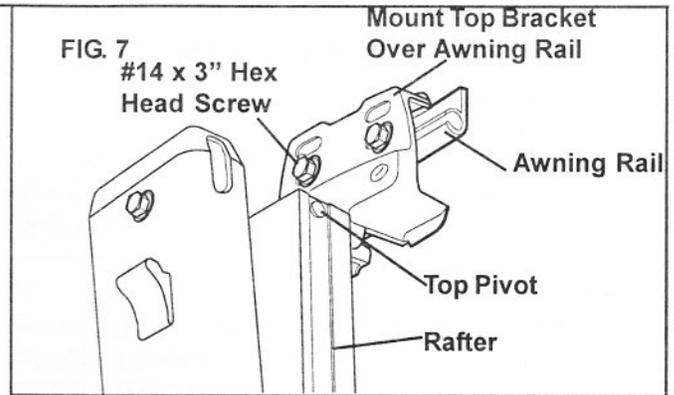


FIG. 7

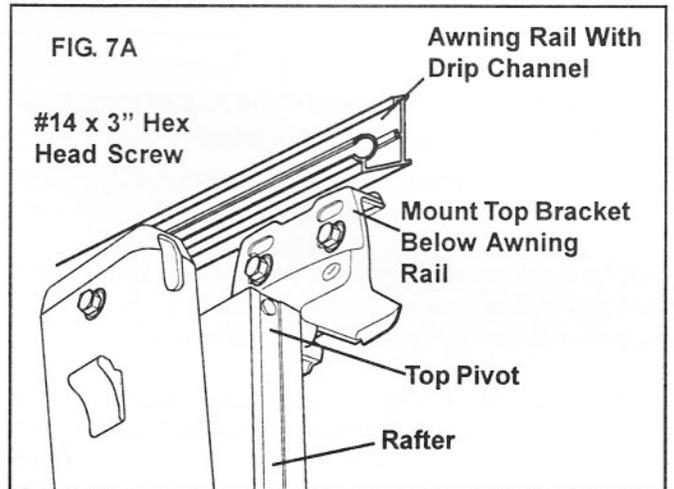


FIG. 7A

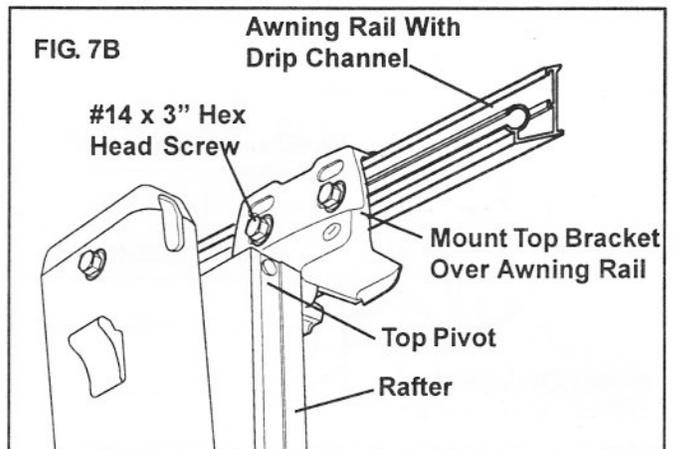


FIG. 7B

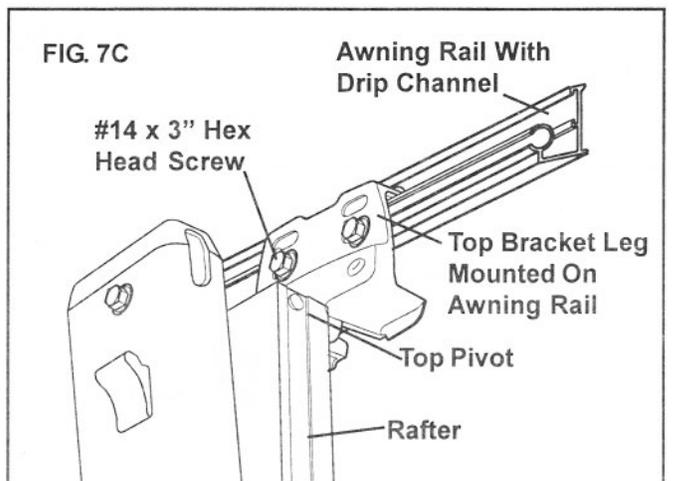


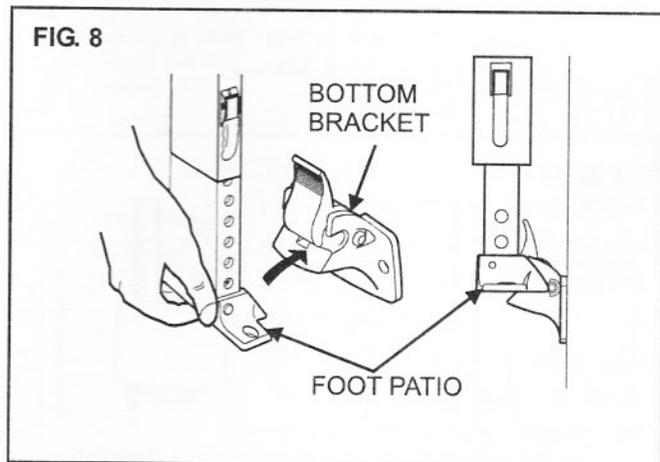
FIG. 7C

Align top bracket directly behind and centered with the main support arm.
Lift the arm handle (releasing lock button) and CAREFULLY extend the inner arm to the ground to support the awning.

Pull the main support arm away from the top bracket and rafter. Mark the top bracket position and predrill the two 3/16" diameter holes (drill 7/32" diameter if into steel). Install top bracket with two #14 X 3" hex. head screws (FIG. 7, 7A, 7B & 7C). Apply silicone sealant to screw threads and where the screws enter the coach. Place main support arm on the top pivot. Repeat for the other side.

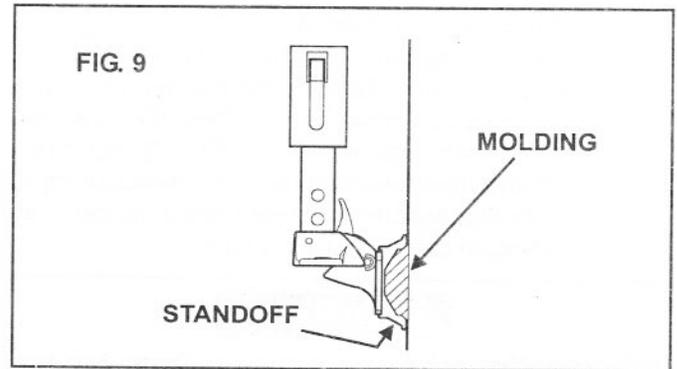
! WARNING

After the top bracket has been mounted, do not pull the bottom of the arm assembly away from the side of the vehicle, with the Safe-T-Lock™ in the roll-up position. Damage to the torsion lock can occur, which may cause the torsion to malfunction.



7. Install Bottom Brackets. Snap the patio foot on the bottom of the inner arm into the bottom bracket. (FIG. 8). Insure the arm top casting is resting on the top pivot. Lift the main arm handle and slide the inner arm up to the desired mounting position. Select the best supporting structure, i.e. mount directly into the floor line, molding, etc. Mark position of bottom bracket holes. Predrill two 3/16" diameter holes through the marked locations. (Drill 7/32" diameter hole if into steel). Apply silicone sealant to screw threads and where the screws enter the coach. Secure the bottom bracket to the coach using #14 hex head screws. (FIG. 8). Repeat for other side.

Note: If installing over a molding, A&E Standoff Kit 3104781 must be used (See Fig. 9).



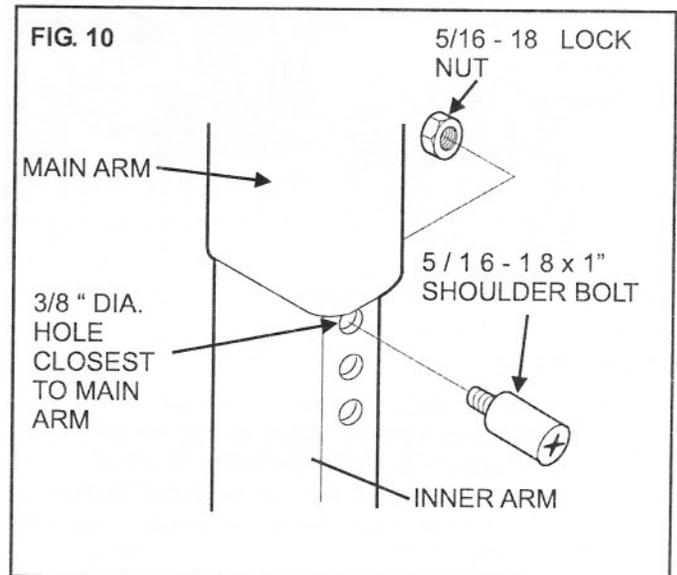
8. Install Stop Plugs.

! CAUTION

This step is essential for the proper functioning of all A&E Awnings.

Using the lift handle, RAISE THE MAIN ARM UP BY ONE HOLE ONLY.

Install the 5/16-18 shoulder bolt on the inner arm side, through the hole closest to the bottom of the main arm. Secure with a 5/16-18 lock nut (FIG. 10).



THE MAIN SUPPORT ARM SHOULD NOW CLEAR THE TOP PIVOT BY 1/2" WHEN THE AWNING CLOSES. SEE FIG. 7, 7A, 7B, & 7C.

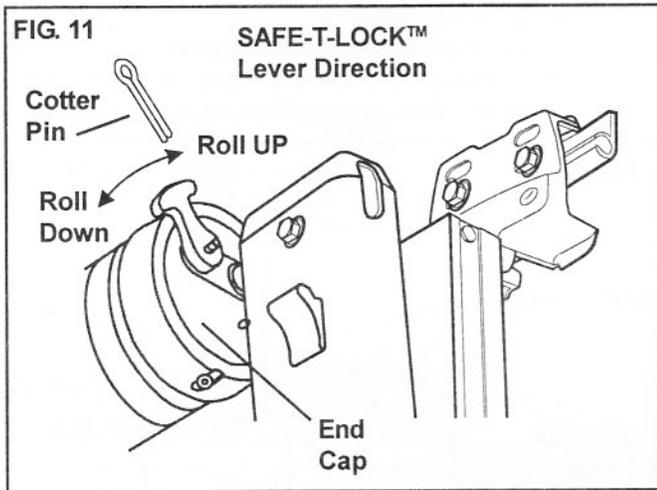
Repeat for other side.

- Release Preset Tension. Check to see if the Safe-T-Lock™ lever is in the roll down position. Remove right cotter pin that is holding factory preset torsion. The cotter pin is found in the roller tube end cap (FIG. 11). For easier removal, twist the roller tube as if unrolling awning by pulling the bottom of the tube toward yourself while pulling on cotter pin. Discard pin.

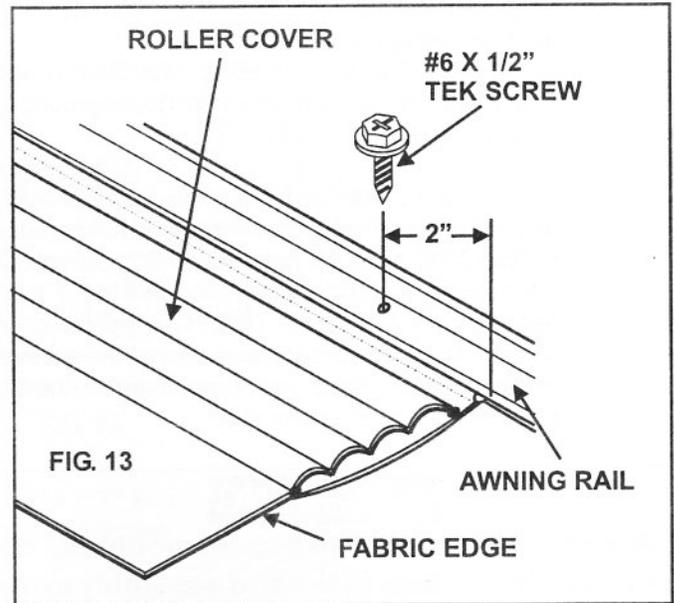
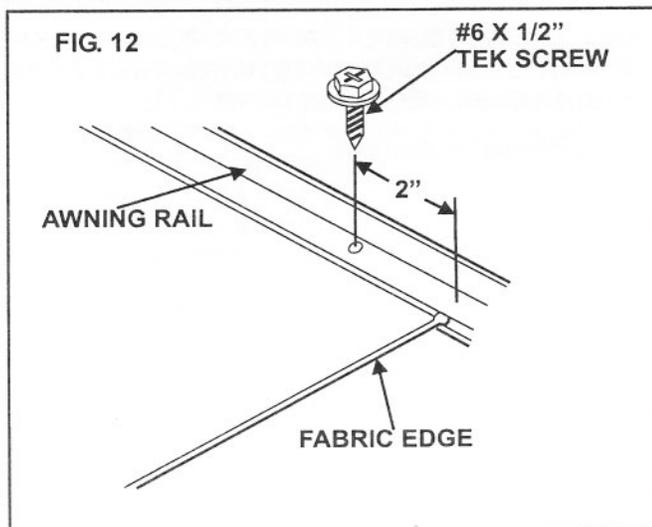
⚠ WARNING

When cotter pins are removed from the torsion, spring tension, will attempt to close the awning. Keep body clear of hardware and roller tube.

While holding the pull strap, move the Safe-T-Lock™ lever to the roll up position. The awning should now roll up snugly against the vehicle side. See FIG. 11.



- Secure Awning to Awning Rail. Open and close awning a few times to allow for natural self adjustment of awning. Insure the arms are still positioned directly in front of the top brackets. Secure by installing a #6 x 1/2" Tek screw on each end. (FIG. 12 & 13)



- Operate awning according to the Operating Instructions to check that all parts function properly.

- Secure Awning for Travel. For added security and rattle-free travel, tighten rafter knobs, secure travel latches and insure torsion lock is in the roll up position. (FIGS. 11, & 14).

