



A&E Systems

DOOR AWNING WITH C-CHANNEL UNIVERSAL HARDWARE INSTALLATION

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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 & OPERATING INSTRUCTIONS

MODELS

832000(X).(XXX)(X)
832100(X).(XXX)(X)

REVISION

Form No. 3106075.025 6/03
(Replaces 3106075.017)
(French 3308491.004)
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LaGrange, IN 46761

 **Dometic**

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. **Caution** used without the safety alert symbol indicates a risk for potential property damage.

WARNING: Indicates a potential 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.

Learn how to operate the awning properly.

General Instructions

Application:

The A&E Door Awning is designed for use on most recreational vehicles and is available in a variety of sizes.

Contents - Fabric Roller Tube Assy. (FRTA)	Qty.
Fabric Roller Tube Assy.	1
Awning Rail	1

Contents - Support Hardware

Main Support Arm Assembly	2
1/4"-20 x 3/4" Php. Truss Hd. Screw	2
#10-12 x 3/4" Php. Pan Hd. Sheet Metal Screws	16
3/16" x 1" Dia. Oscar Rivet	16
#6-20 x 1/2" Php. Pan Hd. Sheet Metal Screw	30
Plastic Shim	2

Important: Read all of the following steps before beginning installation.

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

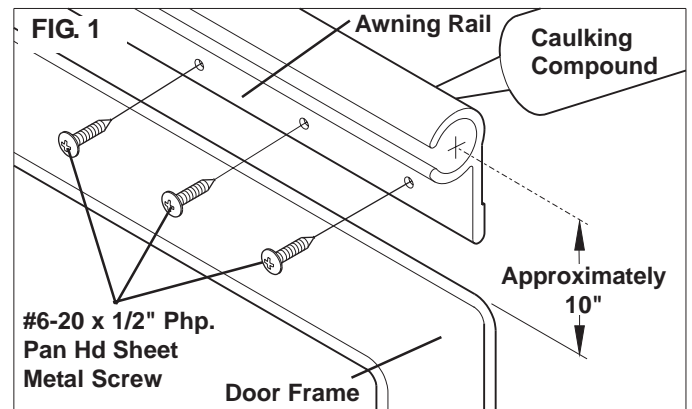
Installation Instructions



Do not remove cotter pins at this time. The FRTA is pre-wound and under tension. Rapid spin-off will occur if the cotter pins are removed. Failure to follow these instructions could cause serious personal injury or property damage.

1. Install the Awning Rail

- A. Position and center awning rail 10", or as high as possible, above the top of the door as shown in FIG. 1.
- B. Apply a caulking compound behind the awning rail before securing rail with #6-20 x 1/2" sheet metal screws. FIG. 1

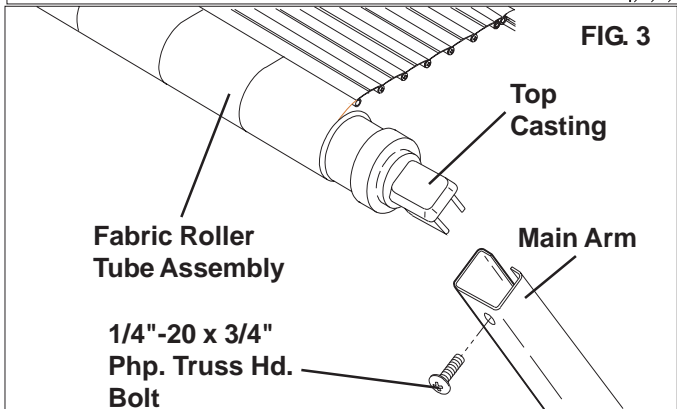
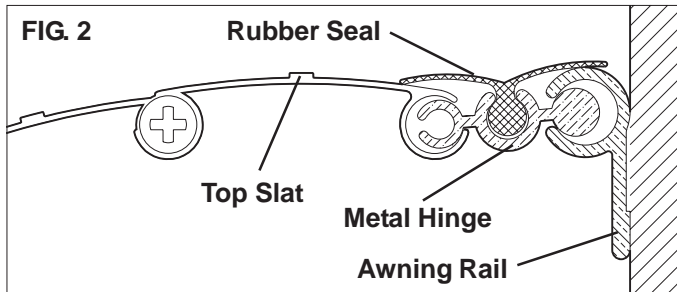


2. Hang the Awning

- A. Remove tape used for shipping.
- B. Secure the arms to the top casting with 1/4"-20 x 3/4" bolts. (Arms are identical) See FIG. 3.

Important: Unroll enough fabric to slide bead into awning rail. If too much fabric is unrolled before releasing the preset tension, there will NOT be the required amount of tension to sufficiently roll the awning back up after use.

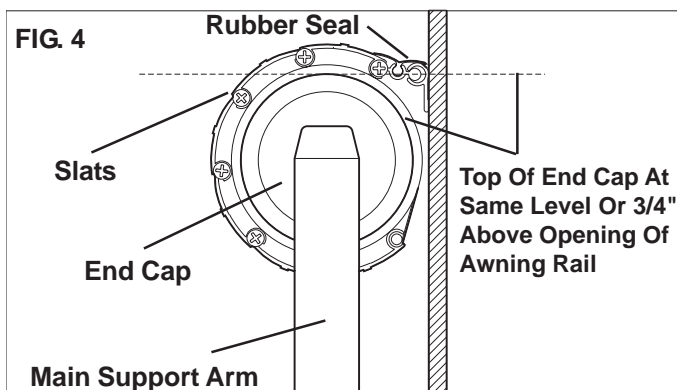
- C. Insert bead of hinge on fabric roller tube assembly into the groove in the awning rail and while lifting rubber seal over top of the awning rail, slide entire awning into awning rail. See FIG. 2



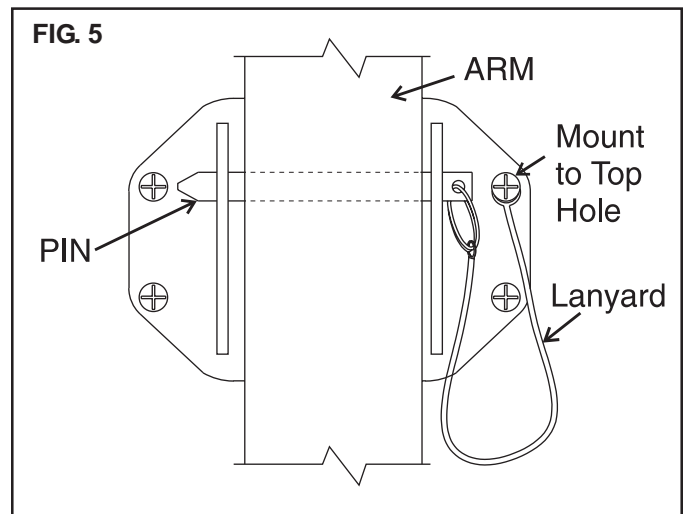
3. Install Bottom Mounting Bracket

Important: Position the bottom mounting bracket so that the top of the end cap is at the same level as the opening of the awning rail and the arms are vertical. This positioning is critical for the awning shield assembly to wrap tightly around the end cap and roller tube. See FIG. 4

- A. Mark location of bottom mounting bracket holes.



- B. For wood structure, drill four 1/8" dia. holes and secure bottom mounting bracket using four #10-12 x 3/4" sheet metal screws. Apply caulking compound to screws before inserting.
- C. If only the skin of the RV is to be used, drill four holes, using a #5 drill bit, and secure the bottom mounting bracket using 3/16" x 1" dia. oscar rivets. Apply caulking compound to fasteners. Repeat for other side.
- D. Mark location of upper mounting bracket holes. Position one shim behind each mounting bracket. When fastening the brackets to the wall, attach the pin lanyard to the proper hole. See FIG. 5.

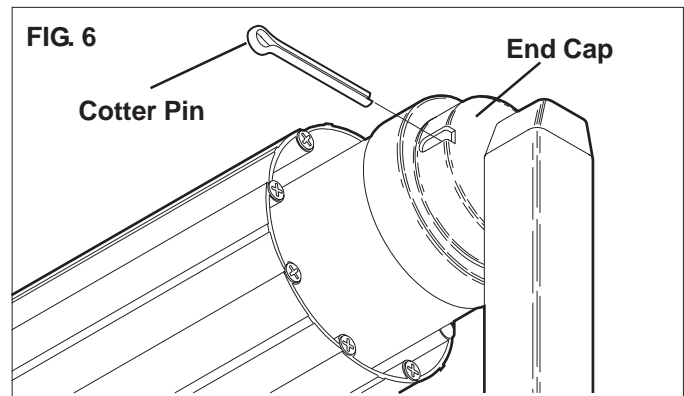


Follow the same fastening instructions as detailed for the bottom mounting brackets.

4. Releasing Preset Tension

Note: A & E awning torsions are pre-wound at the factory.

- A. Remove cotter pin that is holding factory preset tension. The cotter pin is found in the roller tube end cap. See FIG. 6. For easier removal, twist the roller tube as if unrolling awning while pulling on cotter pin. If for some reason the tension has been released, it can be re-wound after the awning is completely installed. See page 5 for winding instructions.



⚠ WARNING

Springs are under tension. When cotter pins are removed, the awning will attempt to close. Keep body and clothing clear of hardware and roller tube.

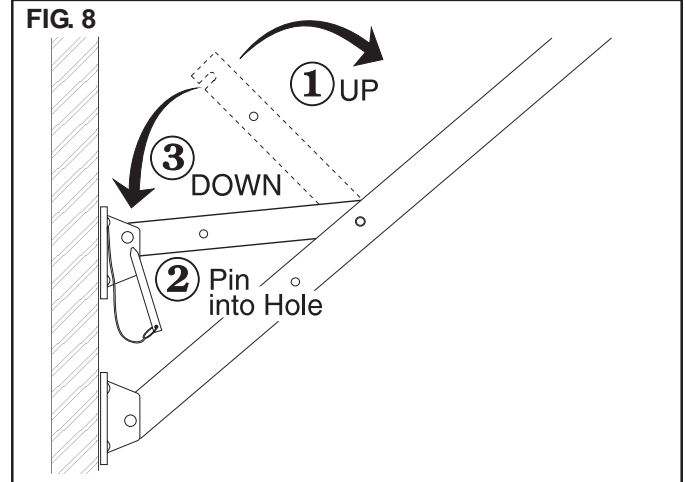
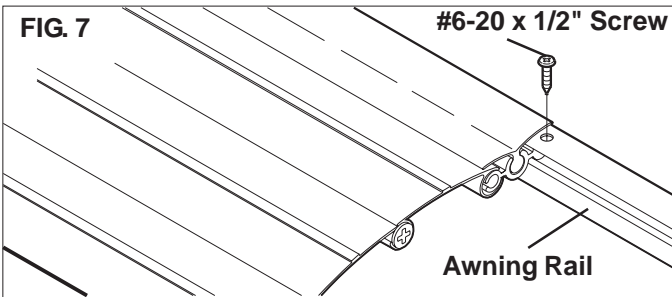
Discard pin and repeat for other side. The awning should now roll up snugly against the vehicle side. If it does not, check to see that the springs have been wound properly. See page 5.

⚠ WARNING

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

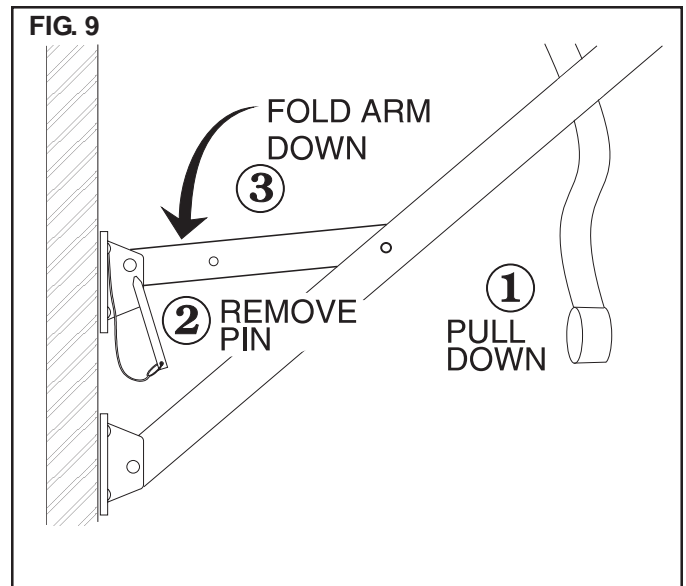
5. Center Awning

- A. After Steps 1 through 4 have been completed allow the awning to close. If necessary, slide the metal hinge to one side or the other to allow proper awning closure. Then drill a 7/64" diameter hole immediately next to the metal hinge and install one #6-10 x 1/2" sheet metal screws. Repeat on other side. See FIG. 7.



2. TO CLOSE AWNING

- A. Slide pull strap to one side of awning. Pull down on strap to take pressure off of rafters and pull pin. Maintain hold on strap and pivot rafter down into arm. Slide strap to other side and repeat. See FIG. 9.



Operating Instructions

1. TO OPEN AWNING

- A. Pull both pins to release awning arms. Grasp the loop on pull strap and pull down to extend awning. With awning held open, slide the pull strap to one side of the awning. Pivot the rafter up through the upper mounting bracket. Insert the pin back into the bracket, and then pivot the rafter down onto the pin. See FIG. 8. Repeat for other side.

CAUTION

Do not release strap as awning is under tension and may snap back against vehicle.

- B. Slowly allow awning to roll back to closed position by feeding pull strap upwards and diagonally. This prevents the strap from building up and creating a bulge in the fabric.
- C. Insert both pins into upper brackets.
- D. The awning is now ready for travel with no further locking required.

Winding Torsions

Important: Winding torsions is not part of the normal installation procedure for this awning. The following procedure is only done if the torsion tension has been released.

⚠ WARNING

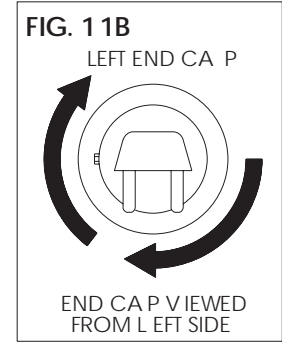
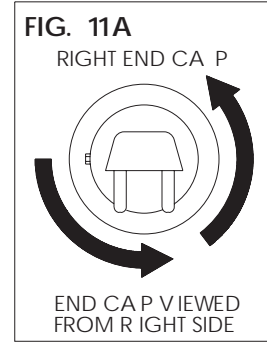
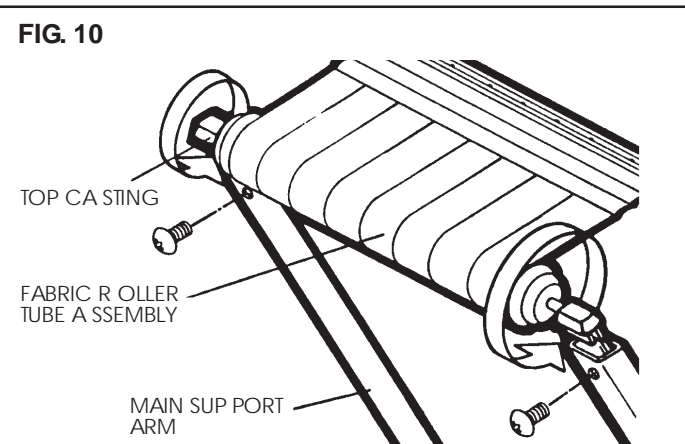
Use extreme care. Springs under tension are dangerous. If not controlled they will unwind quickly. Keep hands and clothing clear of top casting, as personal injury may result.

1. Wind The Torsion

- A. Torsions are to be wound with the awning in the near closed position. Open awning just far enough to be able to rotate the top casting on FRTA (approximately 2"). See FIG. 10.
- B. Remove the bolt and lift the top casting out of the arm.
- C. Turn the top casting the number of turns specified in the awning size chart below, and carefully insert it back into the arm. Reinstall the bolt. Repeat for other side. See FIG. 11A & 11B.

Note: When facing the awning, the top casting on the RIGHT is to be turned COUNTER-CLOCKWISE. See FIG. 11A. The top casting on the left is to be turned CLOCKWISE. See FIG. 11B.

Awning Size	Turns
40"-48"	9
54"	10
60"	11
66"-72"	12
91 1/2"-95 1/2"	13



Helpful Hints For Awning Care

Whenever the awning is wet while rolled up, as soon as conditions allow, roll it out and let it dry before rolling it up again. This will help prevent mildew and rotting. Mildew does not form on the fabric itself, but on the accumulated dust, dirt and grime. Periodically clean woven acrylic fabric using a mixture of **1/4 cup of dish soap and 1/4 cup of bleach mixed with 5 gallons of warm water**. Liberally slosh the mixture on the top of the fabric and roll the awning up for 5 minutes. This will apply the mixture to the bottom as well. Roll it back out and hose off with fresh water. Repeat if necessary. Allow to dry before rolling up.

Apply spray lubricant as needed to keep the awning's moving parts operating smoothly and to help prevent corrosion.

In addition to its beauty and soft translucence, woven fabric offers the advantage of strength and breath ability. It is water repellent; but because it is a woven cloth, it is not waterproof. Avoid touching the underside of the canopy when it is wet. To do so will break the surface tension of the water and encourage seepage through the fabric. Because woven fabric is of a much lighter weight than vinyl, shifting may occur if the awning and pull strap are not centrally aligned with the fabric roller tube while the awning is being rolled up. If necessary, roll the awning out and adjust the alignment.

WHEN TO GET MORE HELP

If malfunctions occur that cannot be corrected by reviewing this installation and operating instructions manual, contact a Dometic Service Center or qualified service technician for assistance. For Service Center Assistance Call 800-544-4881