



RECORD THIS INFORMATION FOR FUTURE REFERENCE BEFORE INSTALLING THE UNIT:

Model Number \_\_\_\_\_  
Serial Number \_\_\_\_\_  
Date Purchased \_\_\_\_\_  
Place of Purchase \_\_\_\_\_

**838000D, 838100D, 839000D, 840000,  
8410000, 8471000, 8472000, 8474000,  
8475000, 8480000, 8481000, 8481003,  
8490000, 8491000,  
Series  
Universal Hardware  
for use with  
8500, 9000  
Fabric Roller Tube Assembly**

**USA**  
SERVICE OFFICE  
Dometic Corporation  
1120 North Main Street  
Elkhart, IN 46514

**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**

**838000D, 838100D, 839000D,  
840000, 8410000, 8471000,  
8472000, 8474000, 8475000,  
8480000, 8481000, 8481003,  
8490000, 8491000,  
SERIES  
UNIVERSAL HARDWARE**

**REVISION A**  
Form No. 3103837.088 10/17  
(French 3108060.025\_A)  
©2017 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.

## INSTALLATION

COVERED BY PATENT 4,524,791; 5,351,736; 5,566,918; 5,383,346; D353,473, others pending

### Application

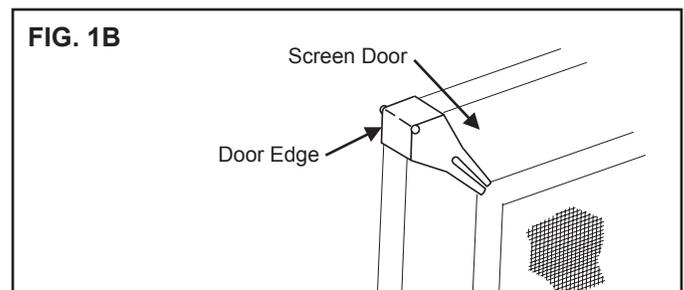
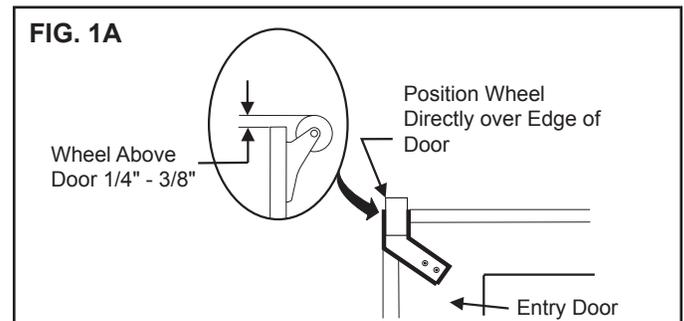
The Dometic Corporation awning with "Universal Hardware" is designed and intended for use on motorhomes, mini-motorhomes, 5th wheels and travel trailers with straight or curved sides. For curved sides, please see the separate Hardware List in the Dealer Service Manual for the appropriate model.

**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.

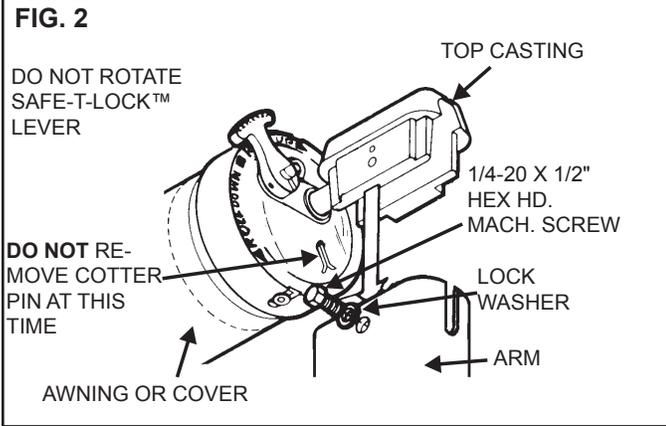
Installation of Dometic Corporation awnings will briefly require three people. Use the following procedure to assure a properly installed, and properly functioning awning.

1. Where the awning is mounted above the entry door, the door roller must be installed on the outside of the door in the extreme upper corner above the door handle. (FIG. 1A)



A door screen edge guard must be installed on the outside of the screen door in the extreme upper corner opposite the door hinges. (FIG. 1B)

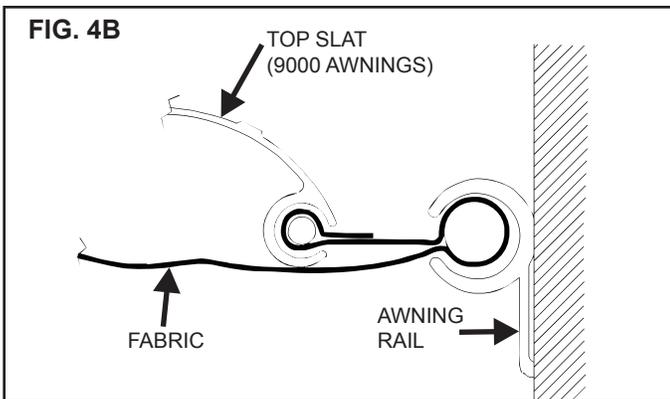
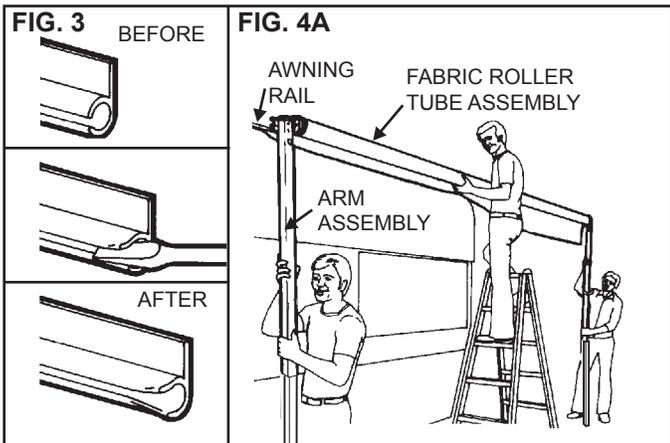
When the entry or screen door is opened while the awning fabric is extended low, the door roller or edge-guard (instead of the sharp door corner) contacts the underside of the fabric.



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. hd. machine screws and 1/4" lock washers. (FIG. 2)

**CAUTION**

DO NOT REMOVE the cotter pins at this time and DO NOT attempt to rotate the Safe-T-LOCK™ Lever until installation is complete. (Lever is pre-set in the roll-up position.) (FIG. 2)



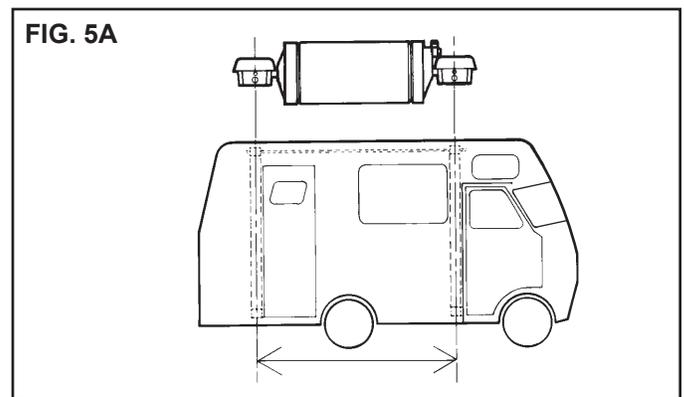
3. Prepare the awning rail to accept the awning roller cover. Select the end from which the awning shall be fed, then widen that end of the rail with a flat screwdriver and file off any sharp edges. (FIG. 3)

4. 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. 4A & B)

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

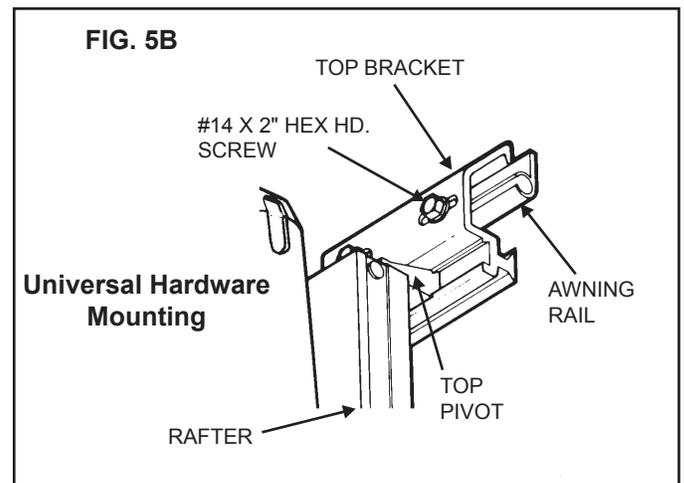
**5. Install Top Brackets**

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, egress windows, etc.). (FIG. 5A)



Place top pivot in position over awning rail from below as shown in FIG. 5B. Align pivot directly behind and centered with the main support arm. (Rotate the Class-A pivot onto the rail by lifting up and out on the rafter.)

Pull the main support arm away from the top bracket and rafter. Mark the top bracket position and predrill the two holes (use a 3/16" drill bit in steel.) Install top bracket over the awning rail. Apply sealant to the threads of the two #14x2-1/2" hex. hd. screws and where the screws enter the coach with clear silicone. Secure the top bracket. Place main support arm on the top pivot. (FIG. 5B).

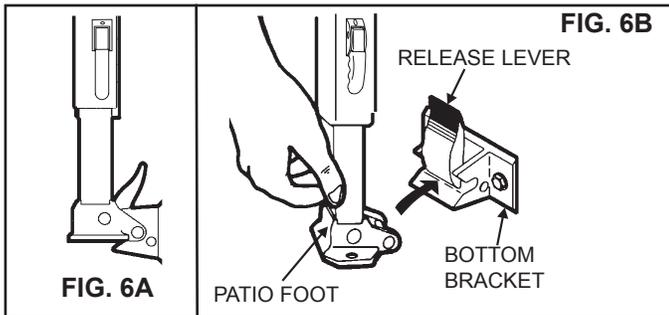


**⚠ WARNING**

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.

Lift the arm handle (releasing lock button) and **CAREFULLY** extend the inner arm to the ground to support the awning. (FIG. 6B).

Repeat for the other side.



**6. Install Bottom Brackets**

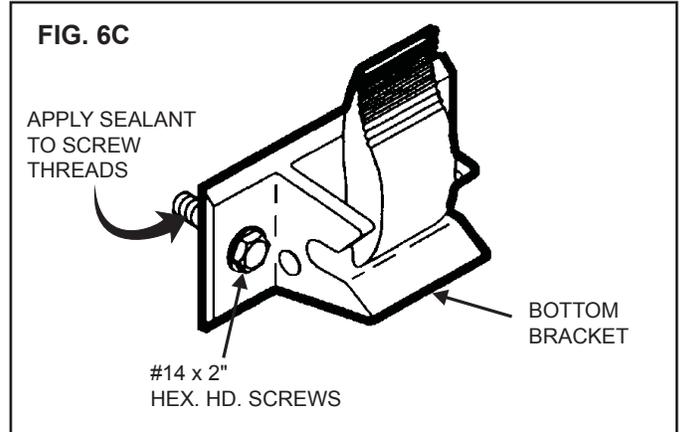
Snap the patio foot on the bottom of the inner arm into the bottom bracket. (FIGS. 6A & 6B). Insure the arm top casting is resting on the top pivot. Lift the main arm handle and slide the inner arm up to the desired mounting position. Select the best supporting structure, i.e. mount directly into the floorline, molding, etc.

Release the handle and slide the inner arm down until the handle lock button snaps into a hole. Close the travel latch.

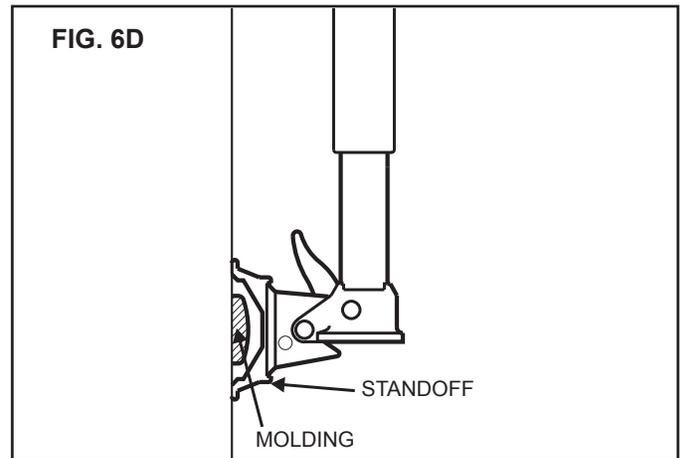
Mark position of bottom bracket holes into the floorline. Pre-drill two 3/16" dia. holes through the marked locations. (Drill 7/32" dia. into steel).

Disconnect bottom bracket from patio foot and secure it to the coach using two #14 x 2" hex head screws. Apply sealant to the threads of the two #14x2-1/2" hex. hd. screws and where the screws enter the coach with clear silicone. (FIG. 6C). Snap the foot back into the bracket.

Repeat for other side.



Note: If installing over a molding, **Dometic Corporation Standoff Kit 3104781** must be used (See Fig. 6D).



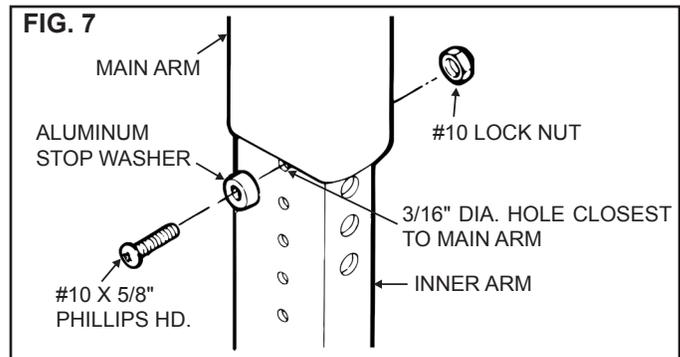
**7. Install Stop Plugs.**

**⚠ CAUTION**

**This step is essential for the proper functioning of all Dometic Corporation awnings.**

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

Install an aluminum stop washer on the inner arm face, through the hole closest to the bottom of the main arm with a #10 x 5/8" phillips screw and a #10 lock nut (FIG. 7).

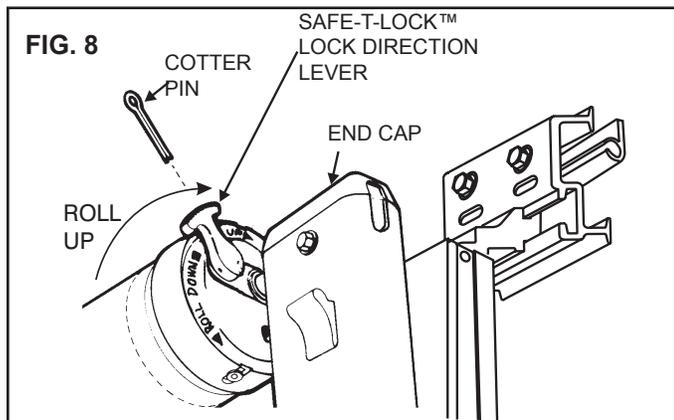


**THE MAIN SUPPORT ARM SHOULD NOW CLEAR THE TOP PIVOT WHEN THE AWNING CLOSES.**

Repeat for other side.

**8. Release Pre-Set Tension.**

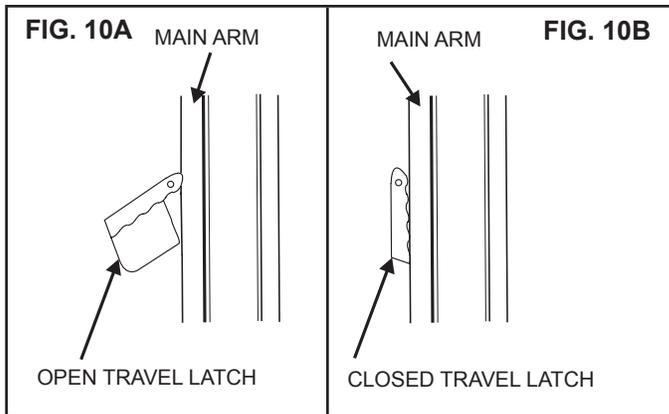
Move the Safe-T-Lock™ lever to the roll down position. Remove cotter pin that is holding factory pre-set torsion. The cotter pin is found in the roller tube end cap (FIG. 8). For easier removal, twist the roller tube as if unrolling awning while pulling on cotter pin.



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

**11. 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. 8, 10A & 10B).



**⚠ WARNING**

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

Discard pin and repeat for other side.

**9. Secure Awning to Awning Rail**

Open and close awning a few times to allow for natural self adjustment of awning. Secure by installing a #6 x 1/2" Tek screw into the rail. (FIG. 9A & 9B) Repeat at other end.

