



RECORD THIS UNIT INFORMATION FOR  
FUTURE REFERENCE:  
Model Number \_\_\_\_\_  
Serial Number \_\_\_\_\_  
Date Purchased \_\_\_\_\_

## 8275000.X09# Series Sunchaser II Hardware

### 812 PLUS SUNCHASER II TENT CAMPER FRTA

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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 INSTRUCTIONS

8275000  
SERIES  
HARDWARE

**Revision:**  
Form No. 3311850.014 5/03  
(Replaces 3311850.000)  
(French 3311852.010)  
©2010 Dometic, LLC  
LaGrange, IN 46761

**Important:** These 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 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

Please see the separate Hardware List in the Dealer Service Manual for the appropriate model.

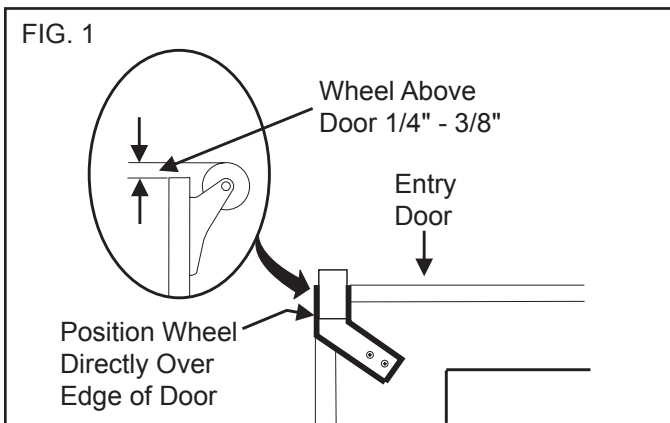
**Important: Read and understand ALL of the following steps before beginning installation.**

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

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.

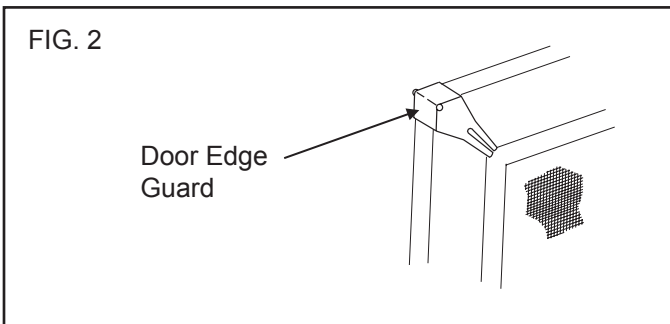
1. When the awning is mounted above a square corner entry door, a door roller and guard (NOT INCLUDED) must be installed per FIG. 1 and FIG. 2, to reduce the potential of damage to the fabric. Rounded doors may not require a door roller if the door will not damage the fabric.

FIG. 1



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

FIG. 2

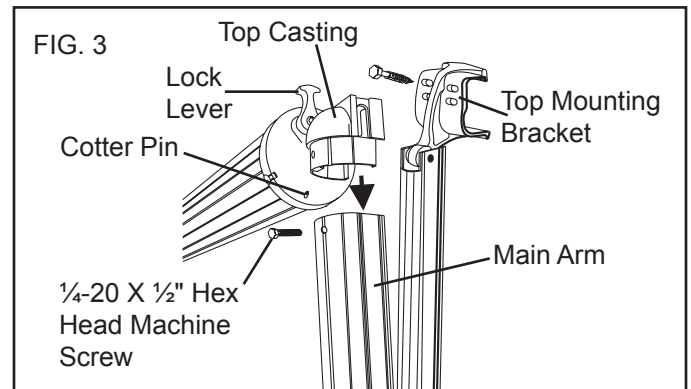


2. Install Bottom Brackets. Pre-install the first (lower) and second (upper) set of bottom brackets. See FIG. 13.

**Important: Structural backing sufficient to withstand a minimum of 350Lb of normal force must be present at the mounting locations of all mounting brackets. See FIG. 13 for the limits of allowed mounting locations for the first and second sets of bottom brackets, and top brackets.**

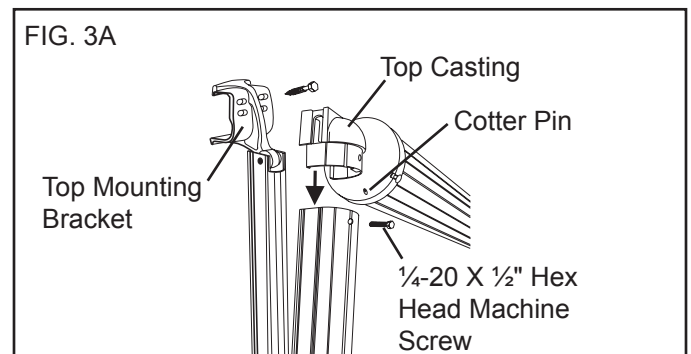
3. Carefully lay the fabric roller tube assembly on "V" troughs or other well protected surface to prevent fabric damage. Secure arm assemblies to the respective top castings using 1/4-20 x 1/2" hex. head machine screws and 1/4" lock washers. See FIG. 3.

FIG. 3



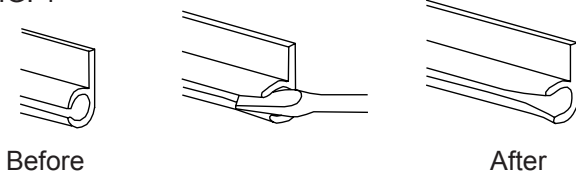
4. After attaching both arms, rotate the Safe-T-Lock™ lever to the roll down position. Straighten, remove and discard left cotter pin only. See FIG. 3A.

FIG. 3A



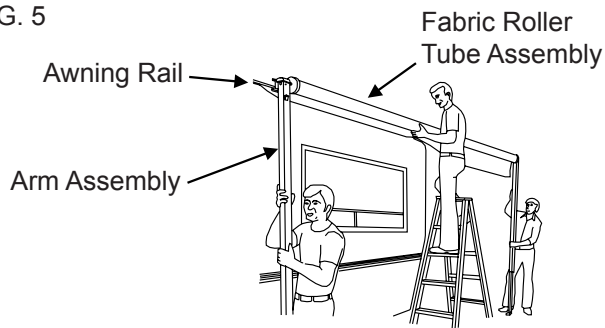
5. Remove the rafter assemblies from the hardware and store in a place for re-installation after Step 7. This will reduce the opportunity for the rafters to become unlatched and scratch the vehicle during installation.
6. Prepare the awning rail to accept the awning roller cover. Select the end from which the awning shall be fed, then widen that end of the rail with a flat screwdriver and file off any sharp edges. Unwind fabric one revolution before feeding awning fabric into awning rail. This will allow enough space between side wall and awning hardware to feed fabric into awning rail. See FIG. 4.

FIG. 4



7. **Install Awning Assembly.** 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. See FIG. 5. Feed the awning into the awning rail until the hardware arms reach the location of the pre-mounted bottom brackets. For safety and ease, it is recommended that this operation be done while the tent camper is in its lowest configuration. The hardware arms must be aligned with the first (lower) set of bottom brackets at this time. Snap the hardware feet into the brackets.

FIG. 5

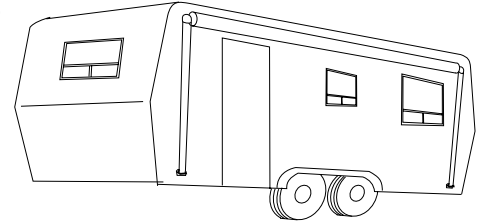


8. **Install Top Brackets.** With the hardware arms secured to the bottom brackets in the desired location, re-install the rafter assemblies into the hardware.

Note: The top bracket/ rafter assemblies are independent of the main support arm assemblies, but may be held together by snapping the travel locks into the main support arms.

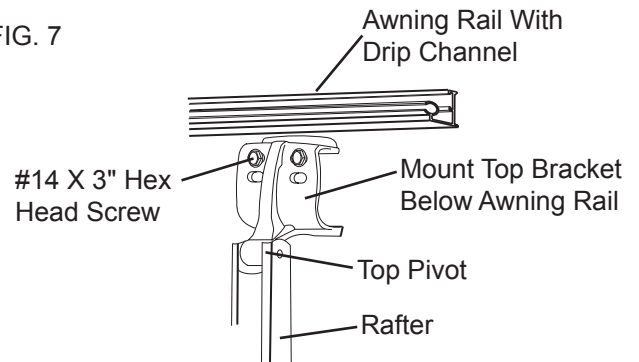
Place the top mounting brackets directly underneath the awning rail (see FIG. 7) ensuring that they are aligned and centered with the main support arms. Proper structural backing must be available in the trailer wall under the awning rail to anchor the #14 X 3" hex head lag screws (see Step 2). Slightly pull the main 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 #14X3" hex head screws. See FIG. 7. 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.

FIG. 6



Note: Top rafter bracket assembly is independent of the main support arm assembly.

FIG. 7

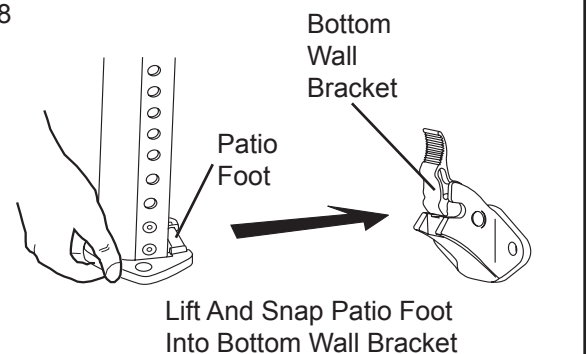


### CAUTION

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.

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. See FIG. 7. 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.

FIG. 8



### CAUTION

This step is essential for the proper functioning all awnings.

9. Release Preset Tension.

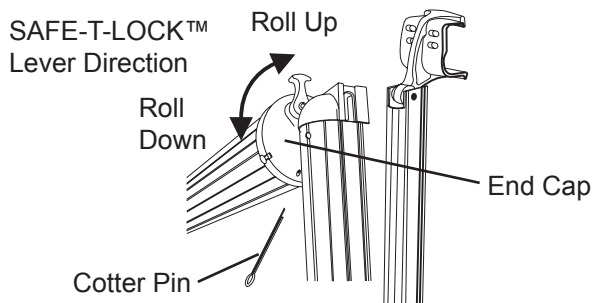
Check to see if the Safe-T-Lock™ lever is in the roll down position. Remove right cotter pin that is holding factory preset tension. The cotter pin is found in the roller tube end cap. See FIG. 10. For easier removal, twist the roller tube as if unrolling awning by pulling the bottom of the tube toward 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 against the vehicle side. See FIG. 10.

FIG. 10



10. 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 top brackets. Secure by installing a #6 x 1/2" Tek screw on each end. See FIG. 11. Model 8485000 requires the stop to be installed in the water dump arm, while awning is open. See FIG. 10.
11. Operate awning according to the Operational Instructions in the User's Guide included with the awning, to check that all parts function properly.
12. 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. See FIG. 10 & 12.

FIG. 11

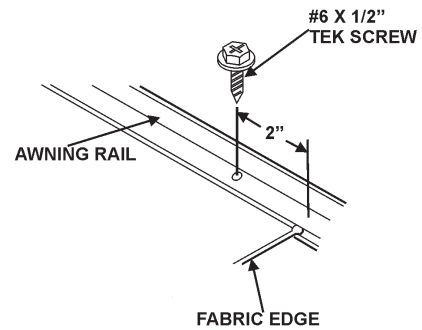
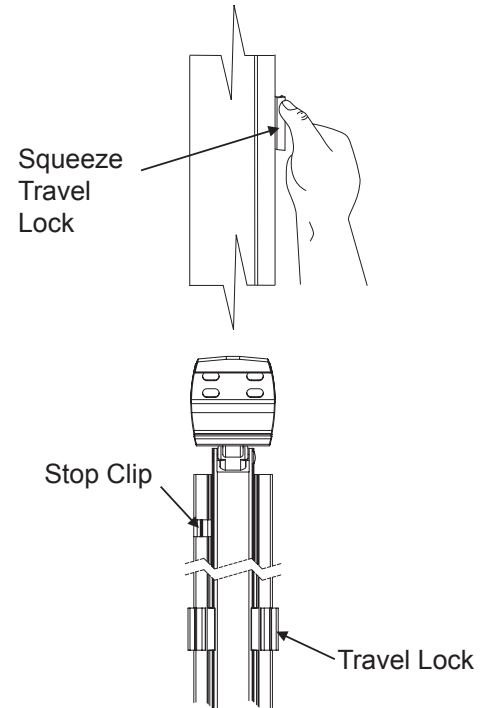


FIG. 12



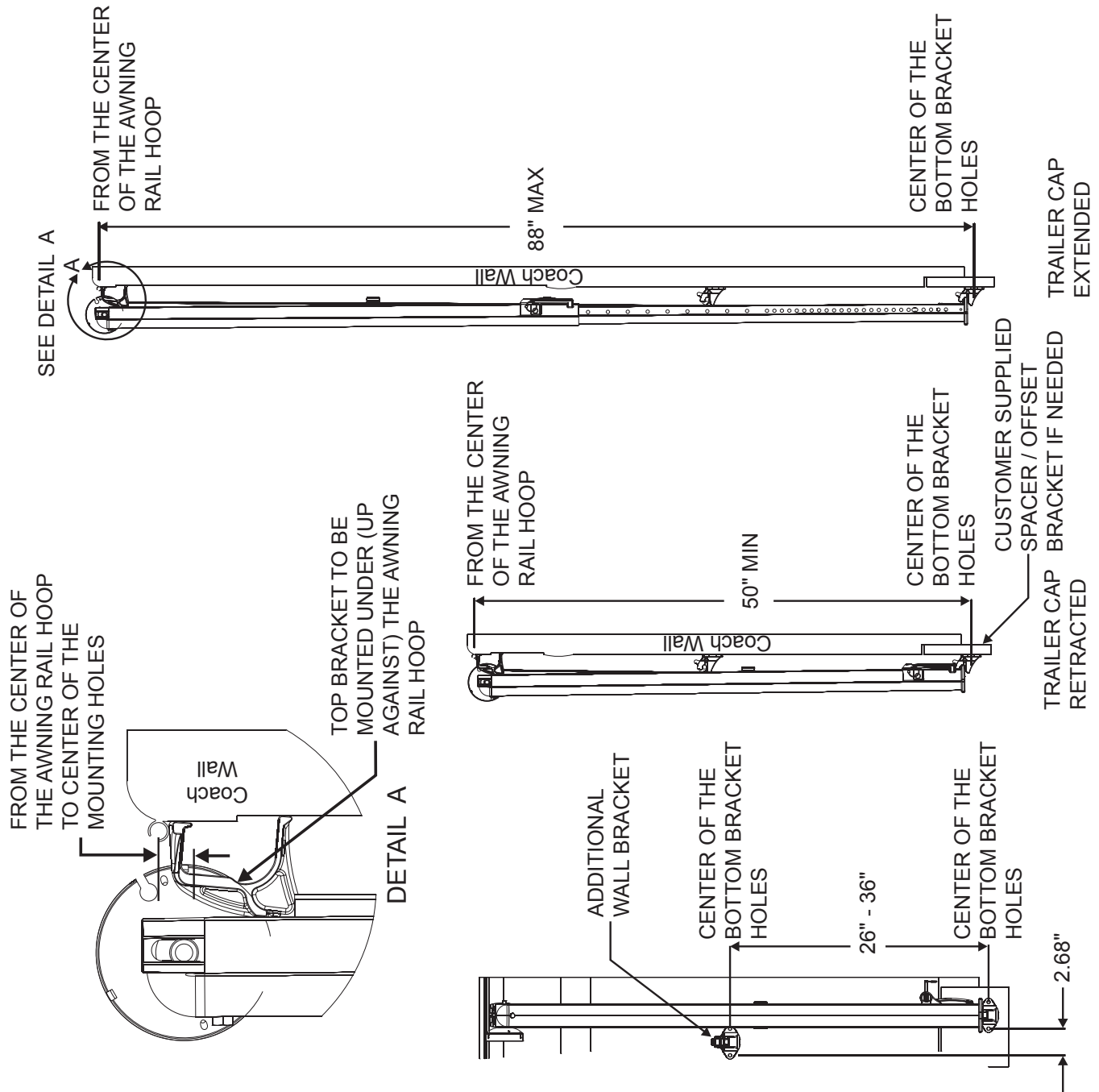


FIGURE 13: MOUNTING DIMENSIONS