



RECORD THIS INFORMATION FOR FUTURE
REFERENCE BEFORE INSTALLING THE UNIT:

Model Number _____
Serial Number _____
Date Purchased _____
Retailer _____

8275000 SERIES SUNCHASER II 8485000 SERIES UNIVERSAL PLUS HARDWARE

**8500 PLUS
9000 PLUS
SUNCHASER II
FRTA**

USA
SERVICE OFFICE
Dometic Corporation
2320 Industrial Parkway
Elkhart, IN 46516
574-294-2511

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46 Zatonski, Unit 3
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**Service Center &
Dealer Locations
Please Visit:**
www.eDometic.com

FABRIC ROLLER TUBE ASSEMBLY

⚠ 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 & 8485000
SERIES
HARDWARE**

REVISION A
Form No. 3313712.000 09/13
(French 3313784.000_A)
©2013 Dometic Corporation
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. It is used to alert you to personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

UNDERSTAND SIGNAL WORDS

A signal word, when used with the safety alert symbol, will identify a safety hazard and its level of risk for personal injury. A signal word, without the safety alert symbol, will be used for property damage messages only.

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

⚠ CAUTION CAUTION, used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE NOTICE is used to address practices not related to personal injury.



Read and follow all safety information and instructions to avoid possible injury or death.

GENERAL INSTRUCTIONS

⚠ WARNING

These instructions must be read and understood before installation of this hardware. This hardware must be installed by a Dometic Corporation Service Center or a qualified service technician. Modification of this product can be extremely hazardous and could result in personal injury or property damage.

These instructions apply to:

8275000 Series Product Numbers	8485000 Series Product Numbers
8275000.421#	8485000.421#
8275000.422#	8485000.422#
8275000.425#	8485000.425#
8275000.427#	8485000.427#
8275000.428#	8485000.428#
	8485000.521#
	8485000.522#

A. Application

The standard 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 Sales Catalog for the appropriate model.

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

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

B. Specifications

MODEL SERIES	8485000.421# 8275000.421#	8485000.422# 8275000.422#	8485000.425# 8275000.425#	8485000.427# 8275000.427#	**8485000.428# **8275000.428#
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	8485000.521#	8485000.522#
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 greater than 21'.

****Note:** Model 8485000.428# & 8275000.428# has one Short Arm/Rafter and one Tall Arm/Rafter for fifth wheel applications.
(For 8485000.428#, water shed feature is in Tall Arm only.)

Replace # in part number with:

B = Polar White
R = Champagne
S = Satin
U = Black

PROCEDURE

A. Install Door Roller And Door Edge Guard

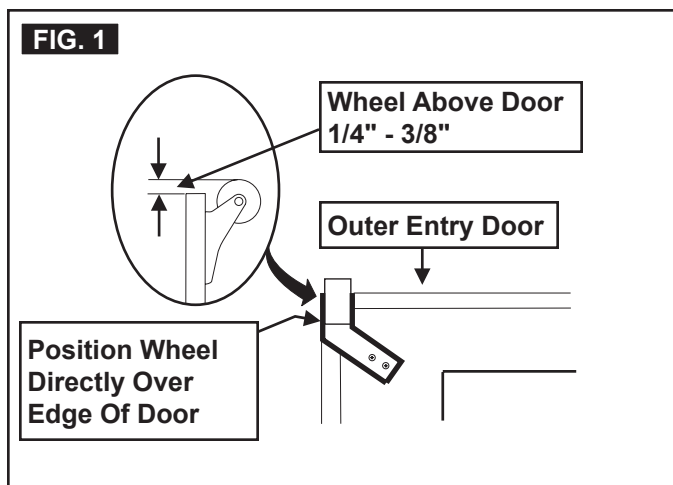
NOTICE

Do not allow corner of entry door to contact awning fabric. This could cause premature wear or tear the awning fabric.

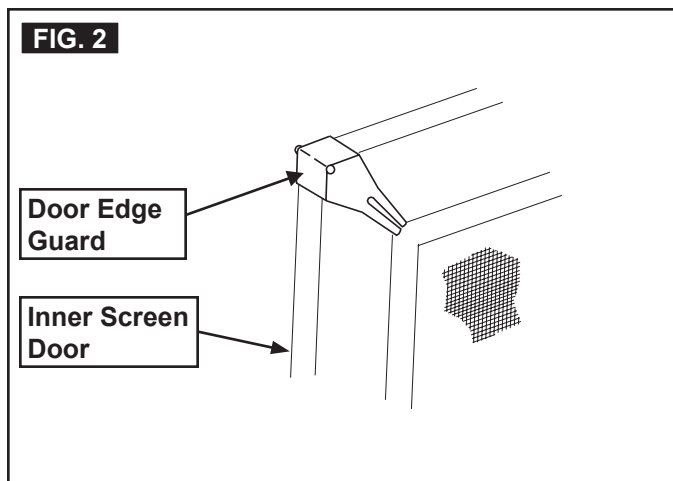
When the awning is mounted above a squared corner entry door, a door roller and door edge guard (NOT INCLUDED) should be installed. Rounded corner doors may not require a door roller if there is no potential for damage to awning fabric.

Note: Order part number 830304 for (1) Door Roller Kit, or part number 830304.003 for a package of (50) kits.

1. Place door roller on upper corner of outer entry door (opposite to hinge), transfer (drill) two pilot holes, and place and tighten mounting screws. See FIG. 1.



2. Clip door edge guard onto upper corner of inner screen door (opposite to hinge). See FIG. 2.



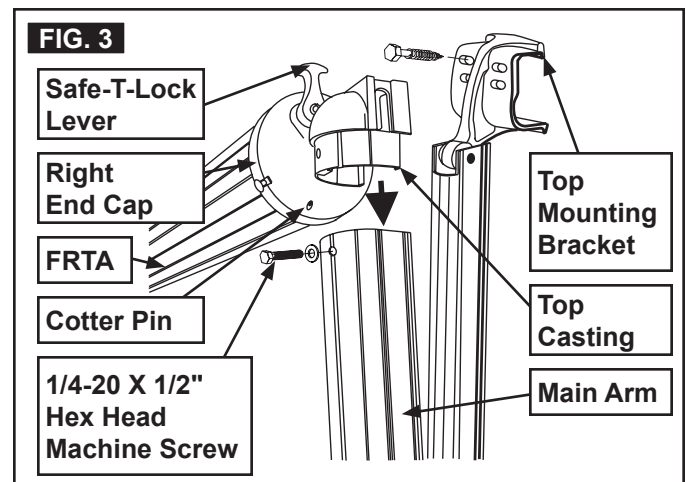
B. Prepare Hardware Assembly

The awning hardware requires minor preparation before installing on coach.

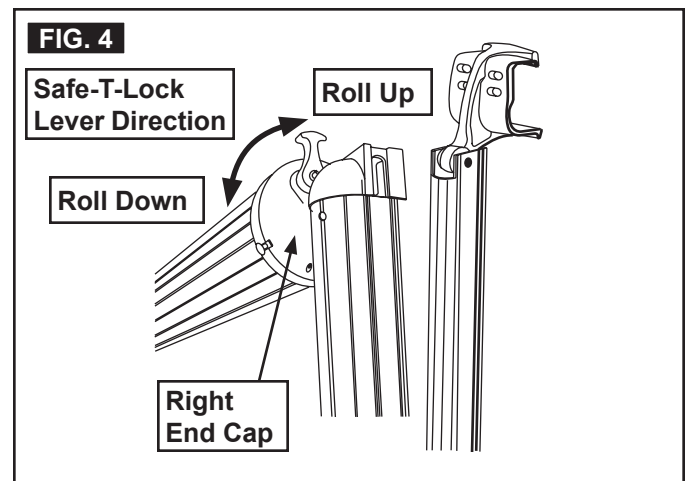
Important: The 8485000 Series hardware is manufactured with the water shed feature (an actuated arm designed to automatically lower to the water shed position).

This water shed arm can be placed on either the right or left end of the fabric roller tube assembly (FRTA). However, it is recommended that it is placed on the end farthest away from entry door.

1. Carefully lay the fabric roller tube assembly (FRTA) on "V" troughs or other well protected surface to prevent fabric damage.
2. 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 and 5.



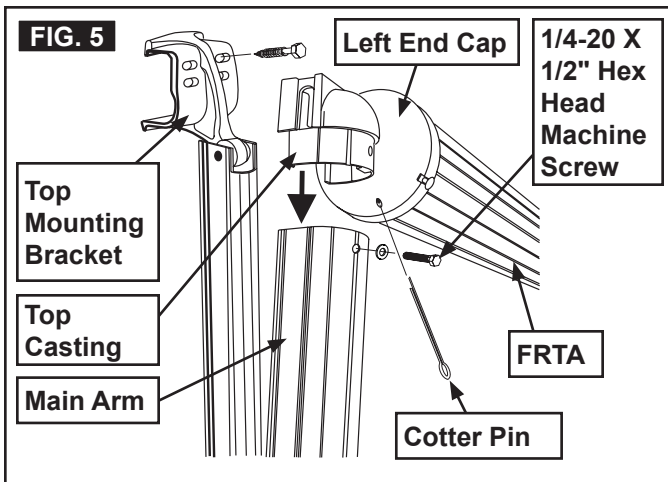
3. After attaching both arms to top castings, rotate the Safe-T-Lock lever to the roll down position. See FIG. 4.



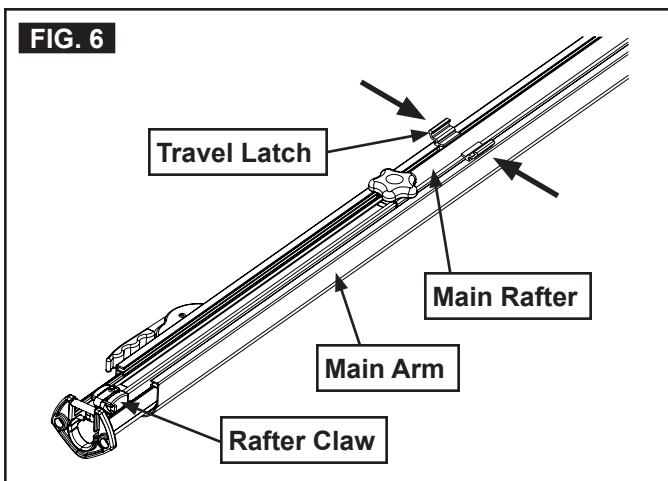
⚠ WARNING

IMPACT OR PINCH HAZARD. Do not remove cotter pin from end cap until top casting is secured to hardware, and Safe-T-Lock lever is in roll down position. Otherwise, rapid casting spin off will occur if cotter pin is removed from torsion rod (at end cap). Spring tension will attempt to spin the hardware and/or fabric roller tube quickly and unexpectedly. Failure to obey this warning could result in death, serious injury, or property damage.

4. Straighten, remove, and discard cotter pin from left end of torsion rod (left end cap) only. See FIG. 5.



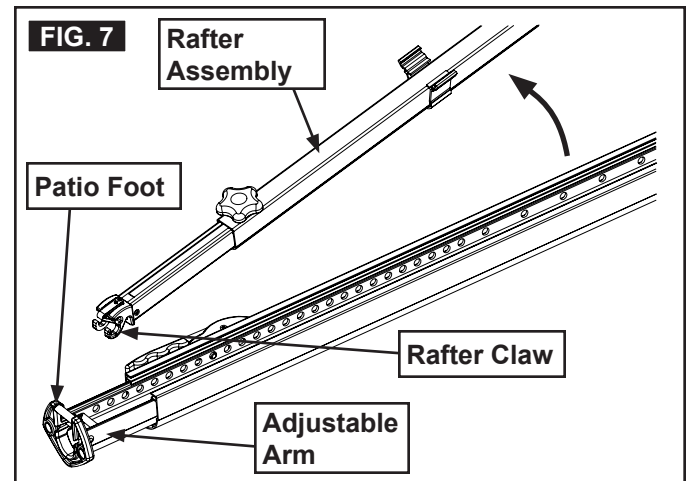
5. Push one side tab of travel latch, then the other to release main rafter from main arm. See FIG. 6.



⚠ CAUTION

IMPACT HAZARD. Do not leave rafter assemblies attached to hardware at this stage. The rafter assembly could detach unexpectedly from arm assembly. Failure to obey this caution could result in injury or property damage.

6. Unlatch rafter claw from patio foot on adjustable arm, and remove rafter assemblies from awning hardware. Save for reinstallation later. See FIG. 7.

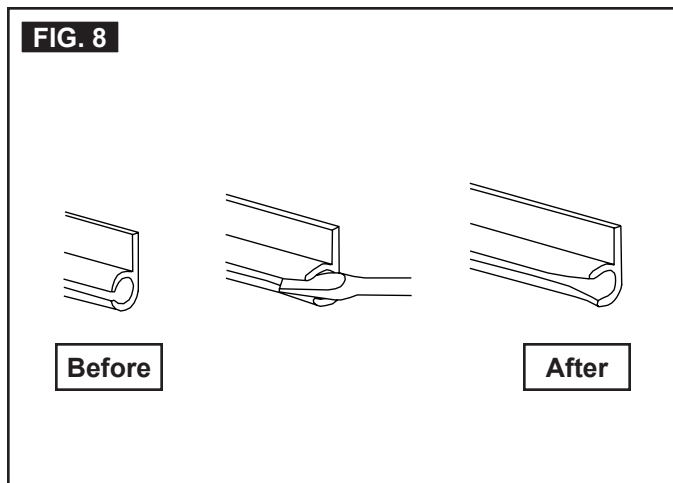


C. Prepare Awning Rail

NOTICE

Make sure awning rail on coach is not warped or curved before installing awning fabric. If awning rail is not straight, awning fabric may wrinkle or stretch.

1. Select the desired awning rail end (on coach) into which the awning fabric will be fed. Widen that end of the rail with a flat screwdriver, and file off any sharp edges. See FIG. 8.



2. With Safe-T-Lock lever in roll down position, unwind fabric one revolution before installing awning fabric (with awning roller cover, if equipped) into awning rail. See FIG. 4.

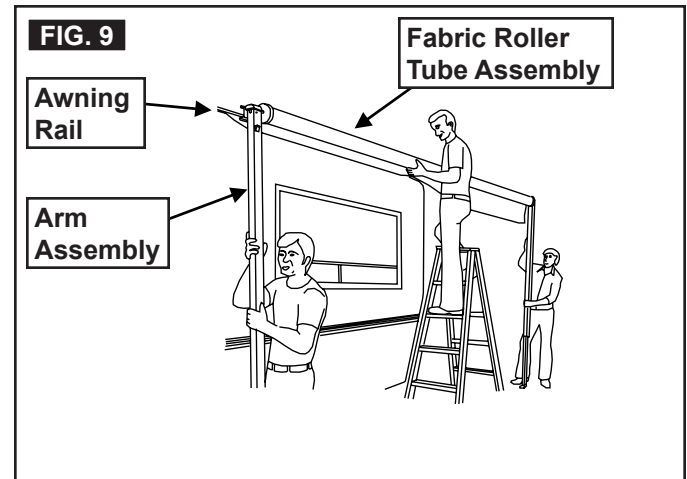
Note: This will allow enough space between side wall and awning hardware to guide awning fabric into awning rail.

D. Attach Awning Fabric

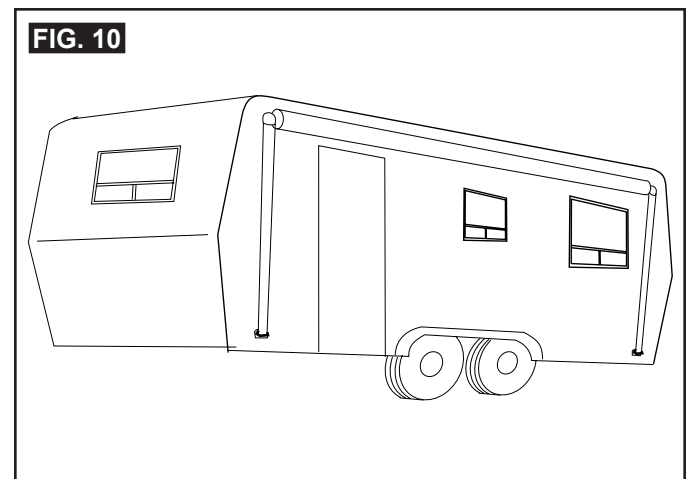
NOTICE

Keep both arm assemblies parallel to each other to avoid twisting, which could cause property damage.

1. With one person grasping each support arm, carefully lift the entire awning assembly upright. Carry the awning to the prepared awning rail end. See FIG. 9.
2. One person is needed to guide the awning fabric (with awning roller cover, if equipped) into the awning rail (a stepladder may be necessary), while two others carefully move (carry) the awning hardware assembly to desired position. See FIG. 9.



3. After awning fabric has been threaded into awning rail, check to make sure its position allows for solid mounting of the top and bottom mounting brackets, and that arm assemblies are in desired location (not restricting use of doors, windows, etc.). See FIG. 10.



E. Install Top Mounting Brackets

1. Latch the secondary rafter back onto patio foot (on adjustable arm) to reinstall rafter assemblies on awning hardware. See FIG. 7.

NOTICE

If the coach's roof construction has rounded corners, do not fasten top mounting bracket over the awning rail and against the rubber cap molding. Failure to obey this notice could cause a water leak resulting in property damage.

2. Find a solid structure in coach wall to install the top mounting brackets. The relationship of the solid structure with the awning rail will determine the appropriate position.
 - a. The top mounting bracket may need to be placed **over** the awning rail (see FIG. 11),
 - b. ... **on** the awning rail (see FIG. 12),
 - c. ... or **under** the awning rail (see FIG. 13).

Important: If the coach's roof construction has rounded corners with rubber cap molding, it is recommended that the top leg of the top mounting bracket be fastened under the awning rail (see FIG. 13) or against the awning rail flange (see FIG. 12).

Note: 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. If the top mounting bracket cannot touch the side of the coach because the awning rail is too wide, a top bracket spacer is available. This will allow the top mounting bracket to clear the wider awning rail.

Order part number 3109623.003 for (1) top bracket spacer, or part number 3109623.550 for a package of (50) top bracket spacers.

FIG. 12

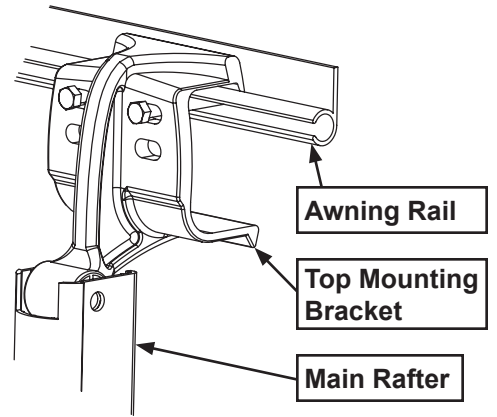
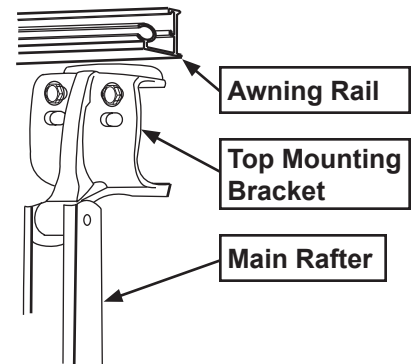
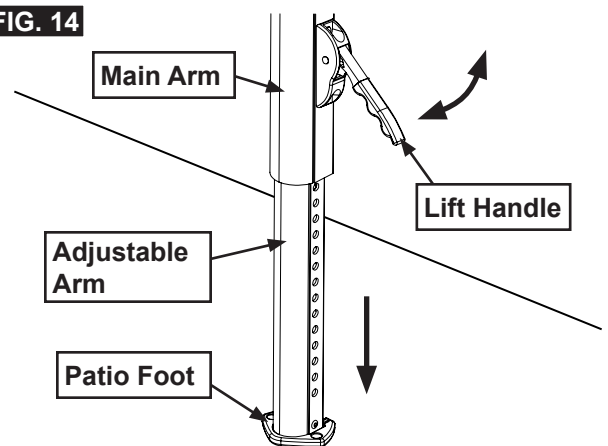


FIG. 13



3. Make sure top mounting bracket is aligned directly behind and centered with the main arm. To help support the awning, pull lift handle out and CAREFULLY extend the adjustable arm until patio foot contacts the ground, then release lift handle to lock in position. See FIG. 14.

FIG. 14

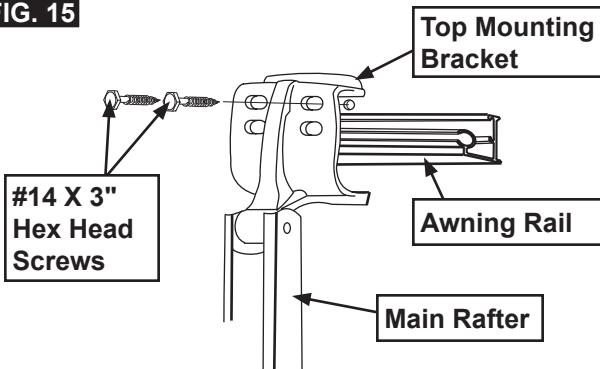


NOTICE

Do not pull arm assembly away from coach when the Safe-T-Lock is in the roll up position. Damage to the torsion lock could occur, causing it to malfunction.

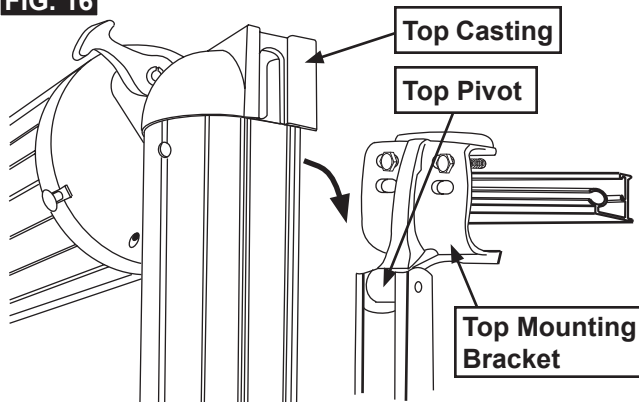
4. With Safe-T-Lock lever in roll down position (See FIG. 4), CAREFULLY pull the main arm away from top mounting bracket and main rafter, and mark the hole locations for top mounting bracket. See FIG. 11, 12, or 13.
5. Drill two 3/16" diameter holes (7/32" diameter if drilling steel) through marked hole locations and into solid structure of coach.
6. Apply silicone sealant to the #14 X 3" hex head screw threads where screws will penetrate coach.
7. Replace top mounting bracket and align its mounting holes to the pre-drilled holes in coach. Place and tighten the two #14 X 3" hex head screws through top mounting bracket and into solid structure coach. See FIG. 15.

FIG. 15



8. Lift and place top casting onto the top mounting bracket's top pivot. See FIG. 16.

FIG. 16

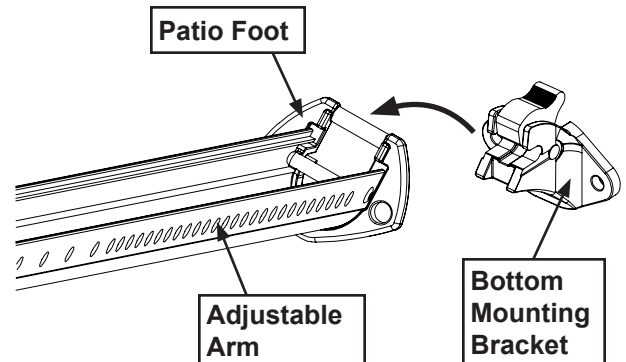


9. Repeat steps "3" through "8" for opposite side.

F. Install Bottom Mounting Brackets

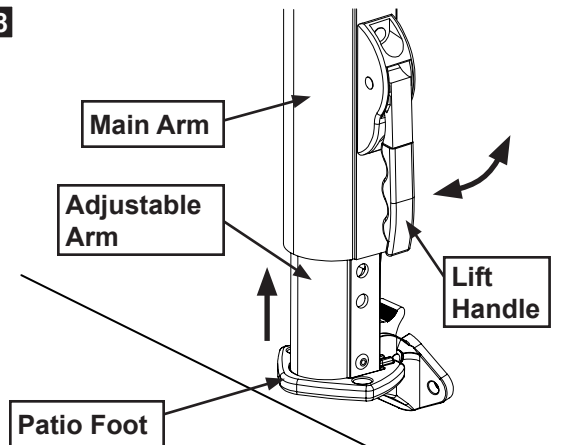
1. Latch bottom mounting bracket, onto patio foot located on bottom of adjustable arm (or on bottom of water shed arm if equipped). See FIG. 17.

FIG. 17



2. Ensure top casting is still resting on the top mounting bracket's top pivot. See FIG. 16.
3. Pull lift handle out and slide adjustable arm up to the desired mounting position, then release lift handle to lock in position. See FIG. 18.

FIG. 18



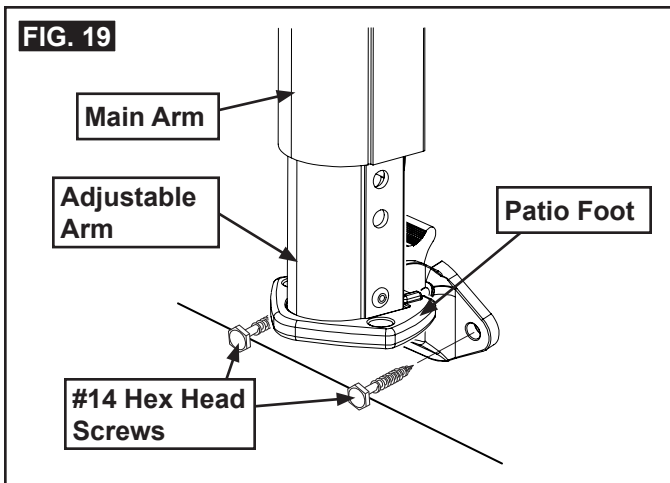
4. Find a solid structure in coach wall to install the bottom mounting bracket. (Mount directly into floor line, over molding, etc.)
5. Mark the hole locations for bottom mounting bracket.
6. Drill two 3/16" diameter holes (7/32" diameter if drilling steel) through marked hole locations and into solid structure of coach.
7. Apply silicone sealant to the #14 hex head screw threads where screws will penetrate coach.

NOTICE

Do not use common hardware store lag screws for this application. Use supplied mounting screws only. The strength rating of common screws will not meet the application requirements and could fail.

8. Replace bottom mounting bracket and align its mounting holes to the pre-drilled holes in coach. Place and tighten the two #14 hex head screws through bottom mounting bracket and into solid structure of coach. See FIG. 19.

FIG. 19

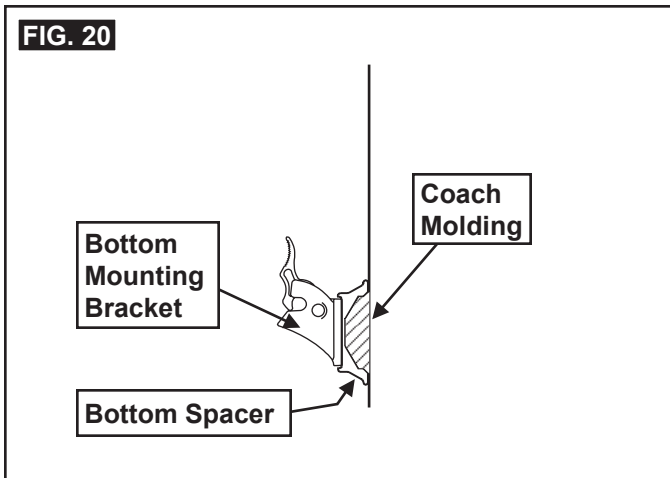


9. Repeat steps "1" through "8" for opposite side.

Note: If installing over a molding, a bottom spacer kit must be used. See FIG. 20.

Order part number 3104781.004 for (1 pair) bottom spacer kit, or part number 3104781.103 for a package of (10 pair) bottom spacer kits.

FIG. 20



G. Install Stop Bolt

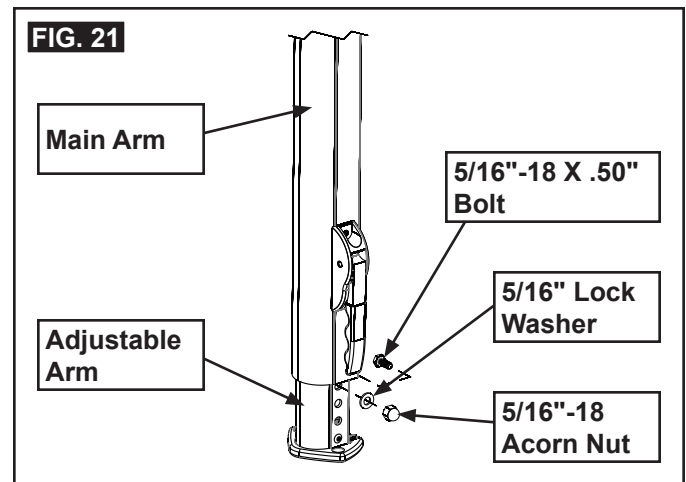
NOTICE

The stop bolt is essential for proper function of all Dometic awnings. Property damage could occur if standard arm assembly is allowed to over-travel.

Sunchaser model 8275000 series hardware, and the standard arm assembly (side without water shed arm) on Universal model 8485000 series hardware requires a stop bolt to prevent over-travel.

1. With Safe-T-Lock lever in roll down position, pull lift handle out and slide main arm up by one hole only. Then release lift handle to lock in position. See FIG. 4 and 18.
2. Place the 5/16"-18 X .50" bolt from inside adjustable arm, protruding out through the hole closest to bottom of main arm. See FIG. 21.

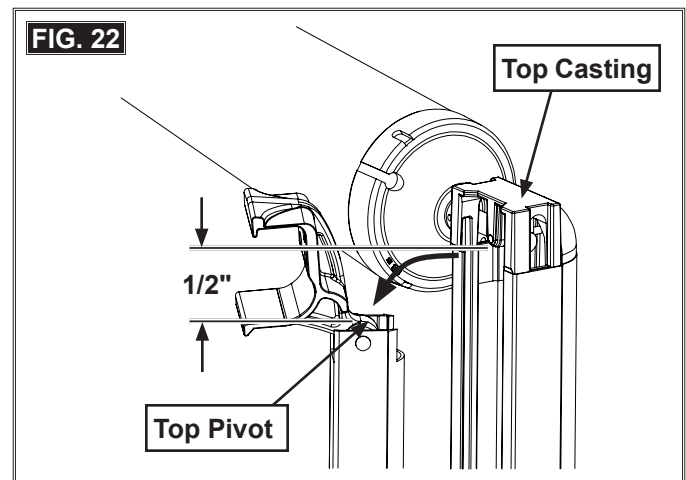
FIG. 21



3. Place the 5/16" lock washer over bolt against outside surface of adjustable arm, and secure with 5/16"-18 acorn nut. See FIG. 21.

Note: The top casting should now clear the top pivot by 1/2" when the awning closes. See FIG. 22.

FIG. 22



4. Repeat steps "1" through "3" for opposite side on 8275000 series hardware only.

H. Install Stop Clip (8485000 Series Only)

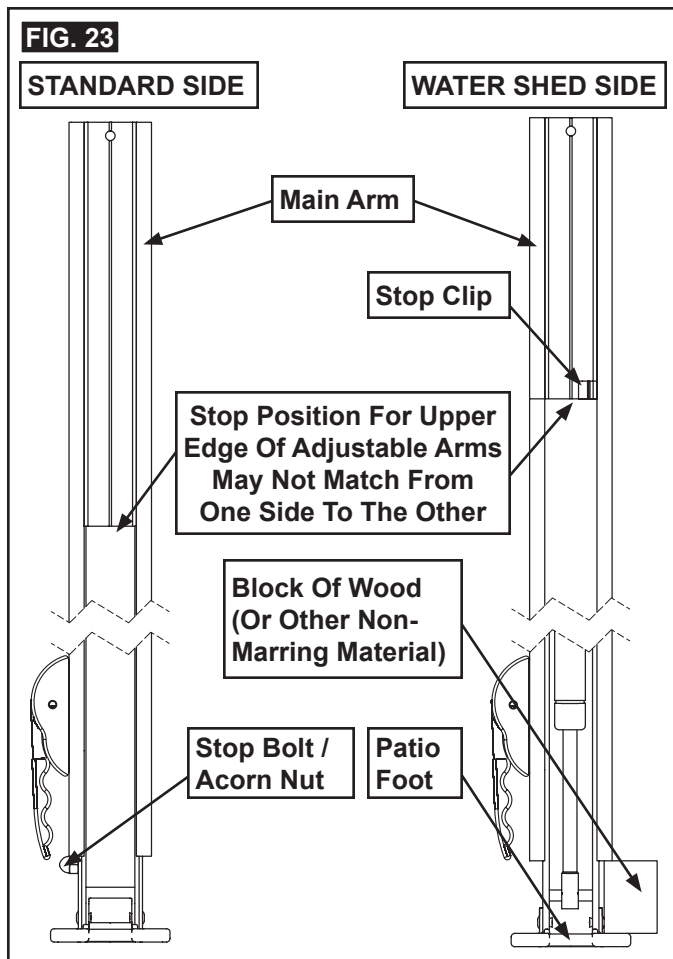
NOTICE

The stop clip is essential for proper function of all Dometic awnings with the water shed feature. Property damage could occur if water shed arm assembly is allowed to over-travel.

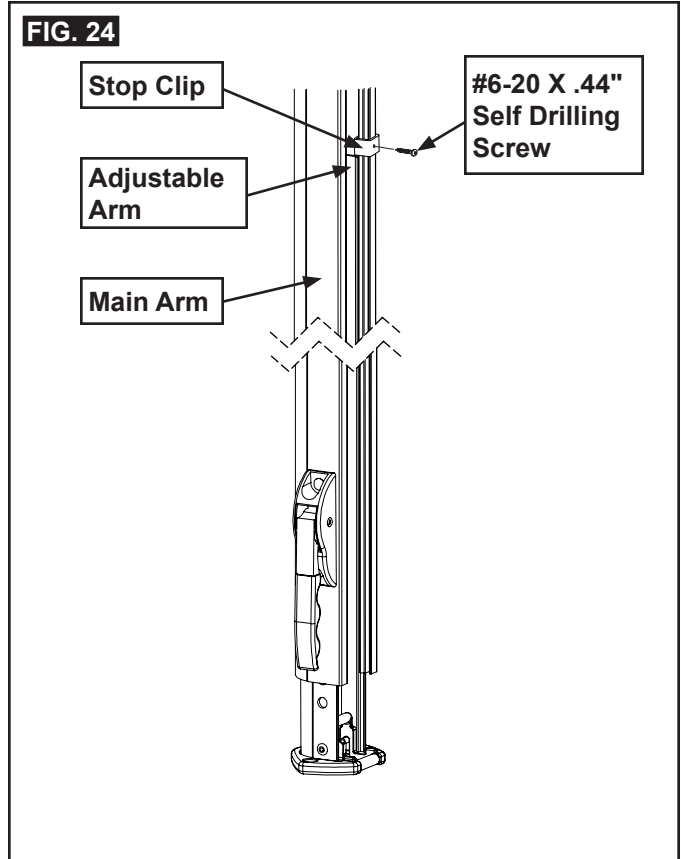
The water shed arm assembly on Universal model 8485000 series hardware requires a stop clip to prevent over-travel. The stop clip performs the same function as the stop bolt, but attaches to main arm instead of adjustable arm.

1. With Safe-T-Lock lever in roll down position, pull lift handle out and slide main arm up by one hole only. Then release lift handle to lock in position. See FIG. 4 and 18.

Note: If water shed arm is telescoped so far into main arm that the lift handle cannot lock in position, prop main arm with a block of wood (or other non-marring material) between its lower edge and the patio foot. Make sure the distance between top casting and top pivot matches with the standard (non-water shed) side. See FIG. 22 and 23.



2. Place and slide the stop clip down the main arm until it rests on top of adjustable arm. See FIG. 24.



3. Using a pencil, draw a line on main arm for the slide stop location.
4. Open awning for free access to stop clip. Drive the #6-20 X .44" self drilling screw through hole in stop clip and into main arm. See FIG. 24.

I. Release Preset Tension

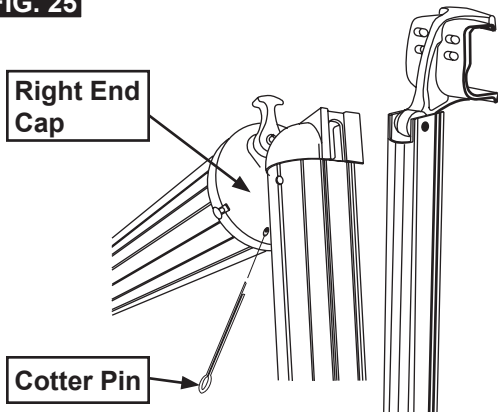
⚠ WARNING

IMPACT OR PINCH HAZARD. Do not remove cotter pin from end cap until top casting is secured to hardware, and Safe-T-Lock lever is in roll down position. Otherwise, rapid casting spin off will occur if cotter pin is removed from torsion rod (at end cap). Spring tension will attempt to close the awning quickly and unexpectedly. Failure to obey this warning could result in death, serious injury, or property damage.

1. With Safe-T-Lock lever in roll down position, straighten, remove, and discard cotter pin from right end cap. See FIG. 4 and 25.

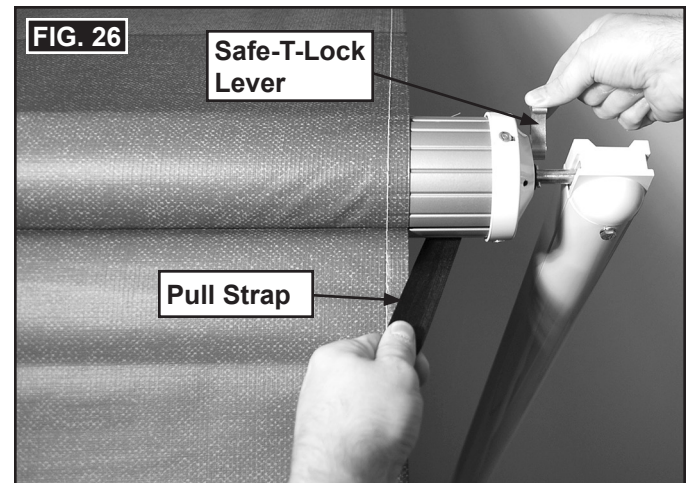
Note: Removing cotter pins will release the factory preset tension. To facilitate removal, you may need to twist the fabric roller tube (as if unrolling awning) by pulling the bottom of tube toward you while pulling on cotter pin.

FIG. 25



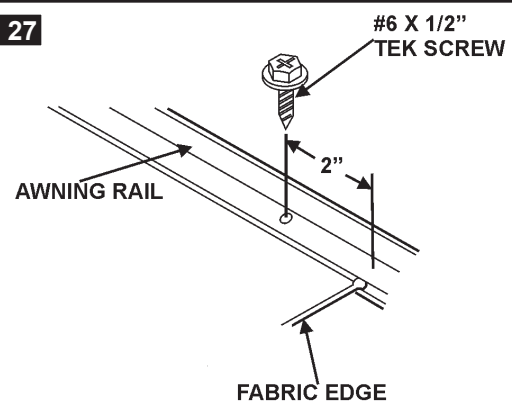
J. Secure Awning Fabric To Awning Rail

1. While holding pull strap, rotate the Safe-T-Lock lever to the roll up position. The awning should now roll up snugly against side of coach. See FIG. 4 and 26.



2. Open and close awning a few times to allow for natural self adjustment of awning.
3. Ensure the arms are still positioned directly in front of the top brackets, then secure awning fabric by installing a #6 X 1/2" Tek screw on each end of awning rail. See FIG. 27.

FIG. 27



K. Secure Awning For Travel

1. Operate awning according to the User's Guide to verify all parts are functioning properly.
2. Secure awning for travel. (See "Close Awning" in User's Guide.)

Note: For added security and rattle-free travel, tighten rafter knobs, secure travel latches, and make sure the Safe-T-Lock lever is in the roll up position. See FIG. 4, 28, and 29.

