



RECORD THIS UNIT INFORMATION FOR
FUTURE REFERENCE:

Model Number _____

Serial Number _____

Date Purchased _____

8271003 & 8272003

Series

Nested Hardware

for use with

SUNCHASER®

FABRIC ROLLER TUBE ASSEMBLY

USA

SERVICE OFFICE
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2320 Industrial Parkway
Elkhart, IN 46516
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CANADA

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**Service Center &
Dealer Locations**
Please Visit:

www.eDometic.com

! 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**

**8271003
8272003
SERIES
NESTED
HARDWARE**

REVISION A

Form No. 3109970.040 09/13
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LaGrange, IN 46761 U.S.A.

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.

SPECIFICATIONS:

MODEL SERIES	8271003.401X	8271003.402X	8272003.401X	8272003.402X	8271003.403X
Height Range	74.5" - 88"	64" - 76"	74.5" - 88"	64" - 76"	58" - 69.5"
Main Arm Length	73"	61"	73"	61"	54.5"
Adjustable Arm Length	57"	57"	57"	57"	50.7"
Main Rafter Length	66"	54"	66"	54"	49"
Secondary Rafter Length	32.5"	44.5"	32.5"	44.5"	44.5"
Duty*	Standard	Standard	Standard	Standard	Standard

***Note:** Standard Duty is used with *SUNCHASER* Awnings 21' and below.

Replace X with letter code from color chart.

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

INSTALLATION

A. Application

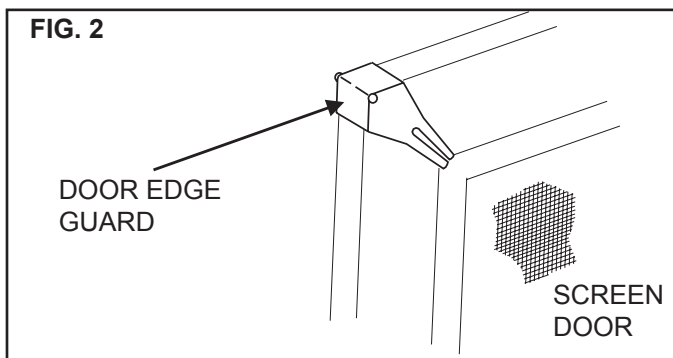
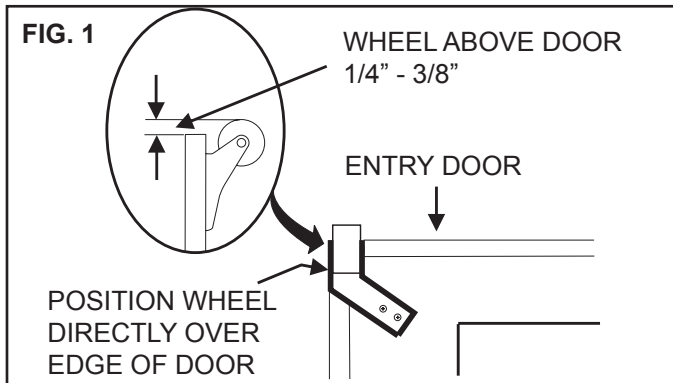
The standard Dometic Corporation Systems awning is designed and intended for use on motorhomes, mini-motorhomes, 5th wheels and travel trailers with straight sides.

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

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

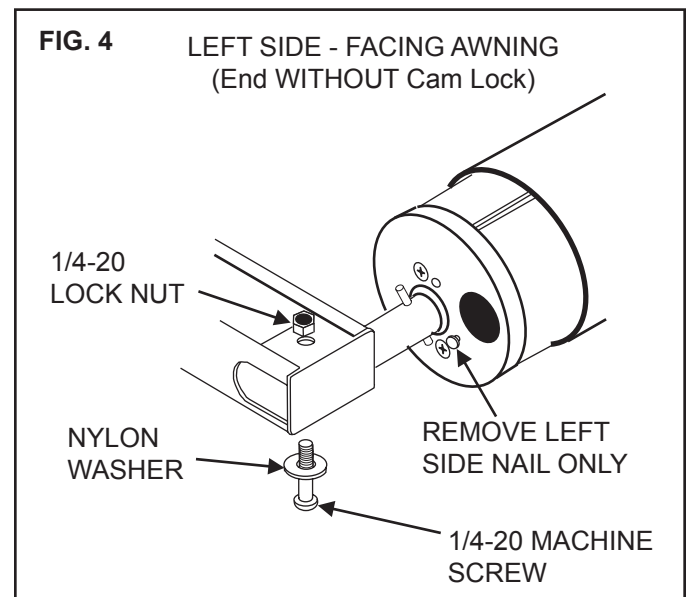
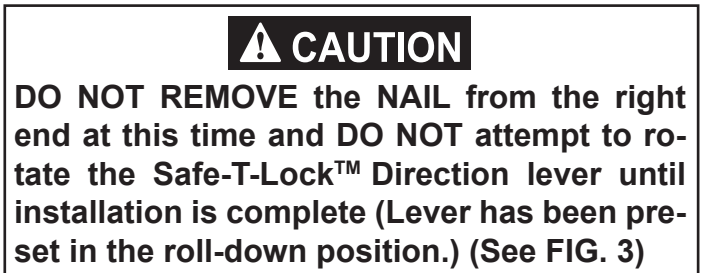
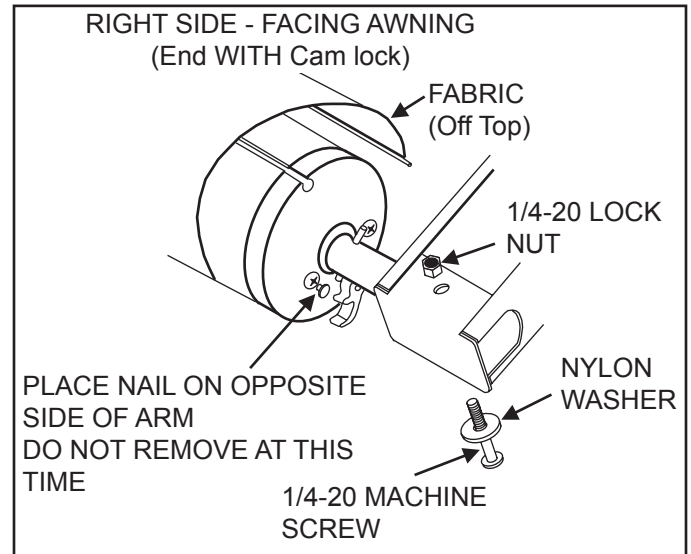
Dometic Corporation Systems Awnings can be installed by one person with brief help from two others. Use the following procedure to assure a properly installed, and properly functioning awning.

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.

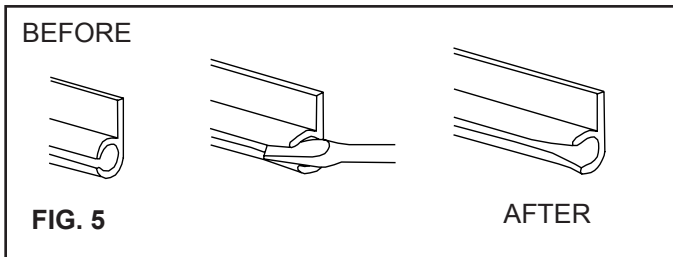


Note: If installing the awning over a square door the Dometic Corporation Systems (Single) Door Roller Kit is part number 830304 and a carton of 50 is 830304.003.

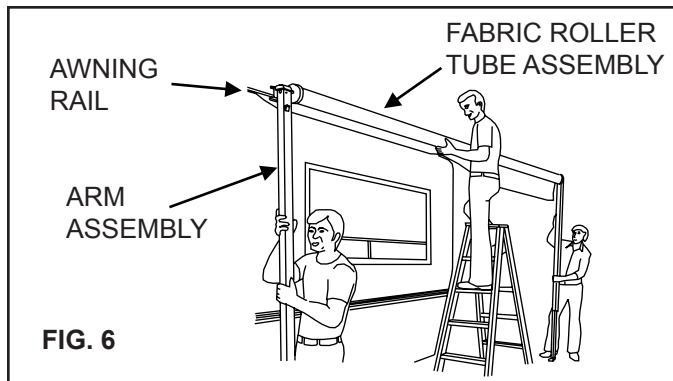
2. Carefully lay the fabric roller tube assembly on "V" troughs or other well protected surface to prevent fabric damage. Start working on the torsion with the cam lock (Right Hand), insert the arm cap into the arm. Position the nail in the end cap on the opposite side of the hardware arm. Align and secure the arm assembly to the torsion rod using the 1/4 - 20 machine screws, nylon washers and 1/4" lock nuts. See FIG. 3. Align and attach Left Hand torsion rod to the other arm assembly. See FIG. 4.



3. Remove the left nail ONLY. With both hardware arms secured to the Fabric Roller Tube Assembly, and facing the floor, rotate the left arm clockwise as if rolling the fabric up. This takes the pressure off of the nail. Remove the nail by hand and lower the arm to the floor. See FIG. 4.
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. 5)

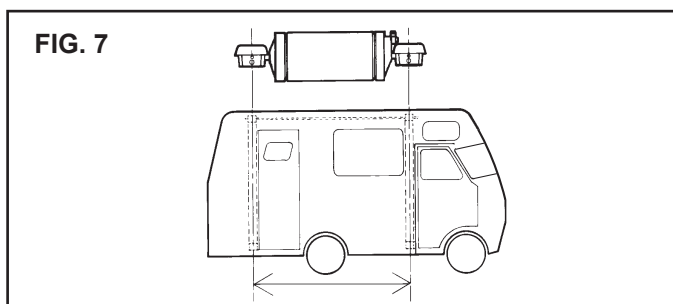


5. With one person grasping each support arm, carefully lift the entire assembly upright. Keep the two arm assemblies Parallel to each other to avoid damage due to twisting. Carry the awning to the prepared awning rail end. (FIG. 5 & 6)



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

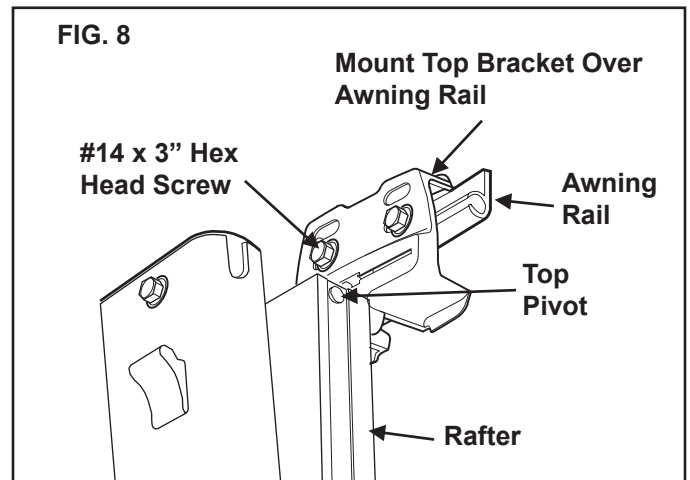
6. Install Top Brackets. After the complete awning assembly has been threaded into the awning rail, check to be sure that its position allows for solid mounting of the top and bottom brackets and that support arms are in desired location (not restricting use of doors, access doors, windows, etc.). (FIG. 6 & 7)



Place top pivot in position over awning rail as shown in FIG. 8. Align 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.

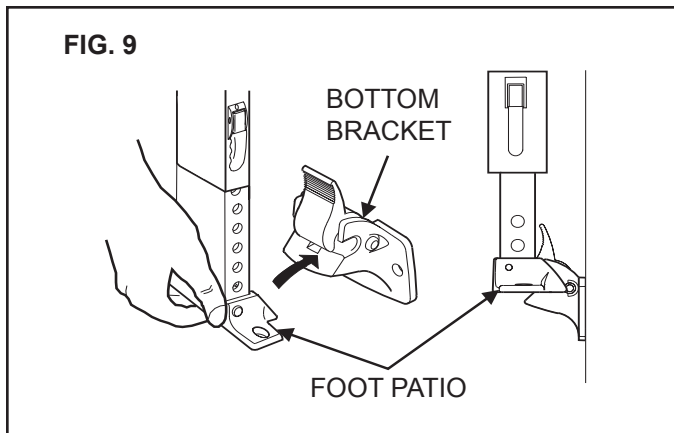
Pull the main support arm away from the top bracket and rafter. Mark the top bracket position and predrill the two 3/16" diameter holes (drill 7/32" diameter if into steel). Install top bracket with two #14 hex. head screws (FIG. 8). Apply silicone sealant to screw threads and where the screws enter the coach. Place main support arm on the top pivot. Repeat for the other side.



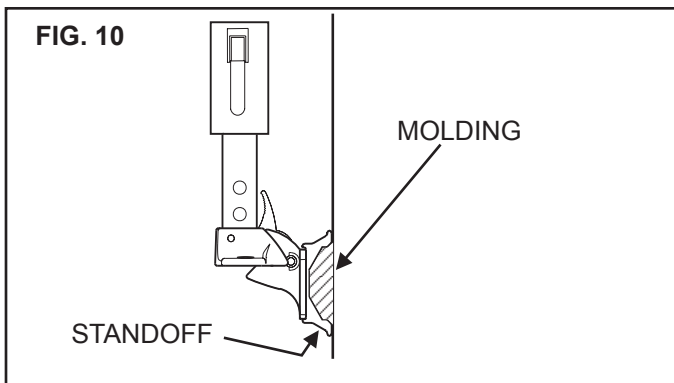
⚠ WARNING

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. 9). 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. Close the travel latch. Mark position of bottom bracket holes. Predrill two 3/16" diameter holes through the marked locations. (Drill 7/32" diameter hole if into steel). Secure the bottom bracket to the coach using #14 hex head screws. (FIG. 9). Apply silicone sealant to screw threads and where the screws enter the coach. Repeat for other side.



Note: If installing over a molding, Dometic Corporation Systems (Single) Standoff Kit 3104781.004 (Bulk 10 pack 3104781.103) may be used (See FIG. 10).



8. Install Stop Plugs.

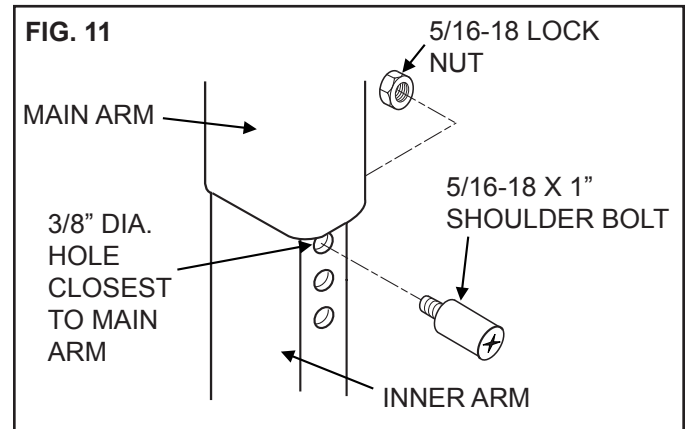
⚠ CAUTION

This step is essential for the proper functioning of all Dometic Corporation Systems Awnings.

Using the lift handle, **RAISE THE MAIN ARM UP BY ONE HOLE ONLY**. Install the 5/16-18x1" shoulder bolt on the inner arm side, through the hole closest to the bottom of the main arm. Secure with a 5/16" lock nut (FIG. 11).

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

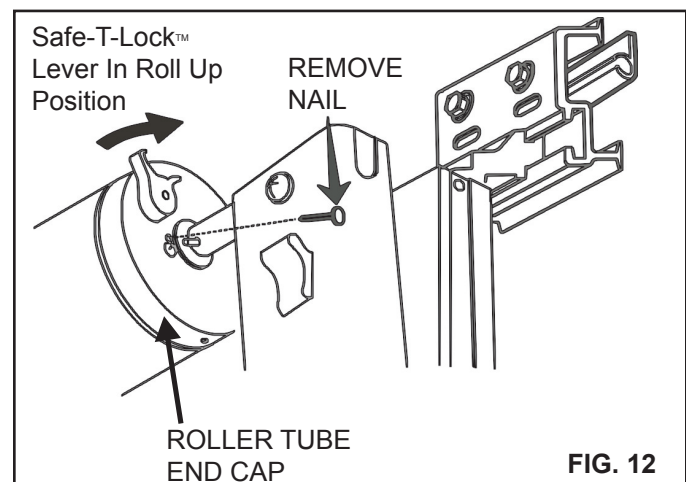
Repeat for other side.



9. Release Preset Tension.

The nail is found in the roller tube right end cap (FIG. 12). Twist the roller tube as if unrolling awning while pulling the nail by hand and discard.

Remove wire tie from the Safe-T-Lock™ lever, Rotate the lever to the roll up position and allow the awning to roll up snugly against the vehicle side. If no tension is felt, check to make sure the Safe-T-Lock™ Lever is in the roll-up position (FIG. 12).

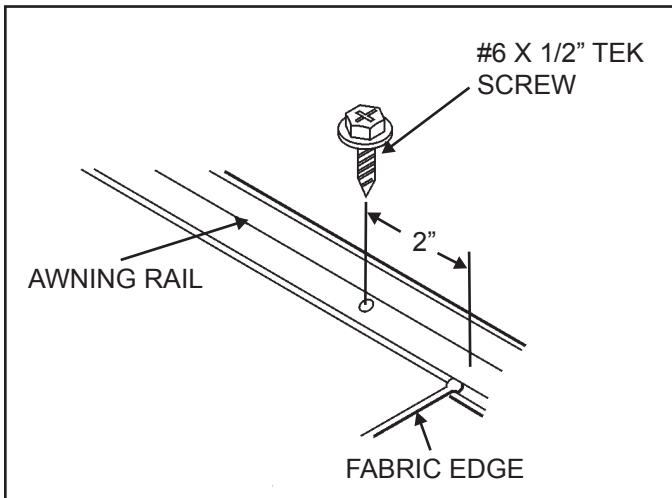


⚠ WARNING

When removing nails, keep hands clear of hardware and roller tube. Springs are under tension and the awning will attempt to close.

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 the top brackets.

The fabric will locate itself. Pull the fabric sideways 1/4" in the awning rail. Measure in 2" from the edge of the fabric and secure by installing a #6 x 1/2" Tek screw on each end. (FIG. 13)



11. Operate awning according to the Operating Instructions 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 Safe-T-Lock™ is in the roll up position. FIGS. 12 & 14.

