

8290002 Series Wide-Body Hardware for use with



by Dometic

Fabric Roller Tube Assembly

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**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.

INSTALLATION INSTRUCTIONS

MODEL
Wide Body
Sunchaser Hardware
8290002.XXX Series

REVISION

Form No. 3106990.033 9/98
(Replaces 3106990.025)
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LaGrange, IN 46761
(French 3108859.004)

**Important: This literature must stay with unit.
Owner read carefully**

INSTALLATION

REQUIRED PARTS (Packed with each Hardware Assembly)

(2) Rafter knobs	(4) #14 x 3 Screws
(2) Brackets	(2) #10 Machine Screws
(2) Arm Caps	(1) Pull Strap
(2) 1/4-20 Machine Screws	(2) #10 Locknuts
(2) 1/4-20 Short Locknuts	(2) Stop Washers
(2) Nylon Washers	(2) #6 Self-Drilling Screws
(4) #14 x 2 Screws	(1) Plastic Angle

User Video

A video showing the awning operation may be included in the package. Include this with the Operating Instructions in the pack the Original Purchaser gets with the vehicle.

Application

The A&E Wide Body Awning is designed to set partially above the roof and install into the standard awning rail. It is intended for use on motorhomes, mini-motorhomes, travel trailers with straight smooth sides and 5th wheels where the awning does not extend into the riser section.

IMPORTANT: Read ALL of the following steps before beginning installation.

The hardware arms mount nearly flush to the coach side but will accommodate trim and/or awning rails underneath up to 1/2" thick. Installations with an awning rail or trim thicker than 1/2" will require additional spacing (installer supplied support) from the coach wall.

Top Mount Surface

This unit should be installed on hard side coaches only. The top mount bracket must be parallel to the full coach side to ensure proper functioning of the travel lock.

Top Mount Structure

The top mounting bracket supplies the travel locking strength. Ensure there is ample structure in the coach wall to secure the awning.

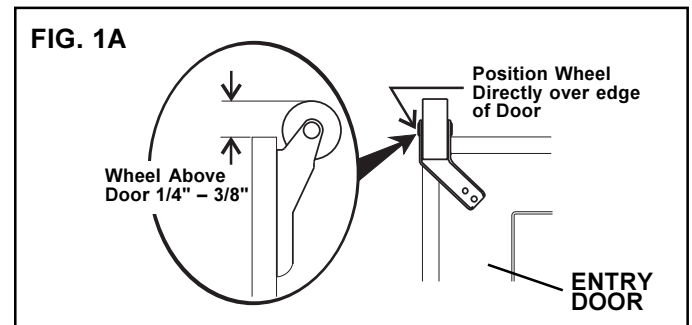
Wind Deflection on Road

Install deflectors to the coach as needed to protect the fabric from wind damage. The need, determination of best location and installation of this part are the ultimate responsibility of the installer. This will vary depending on the coach geometry, obstacles in front of the awning and how close the awning is to the front of the coach. Fabric damage or accelerated wear due to wind in the stowed position is not warranted.

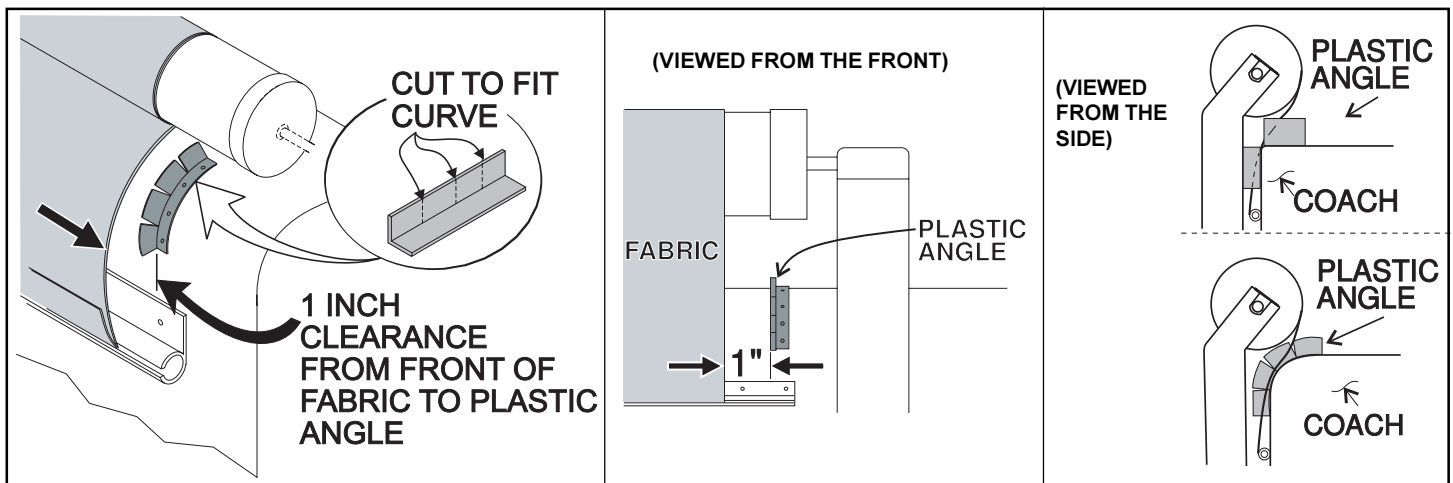
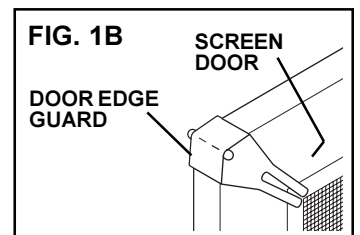
The supplied plastic angle can be modified to fit roof radii and installed 1" in front of the fabric, the most likely wear-point. (Refer to illustration at bottom of this page).

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

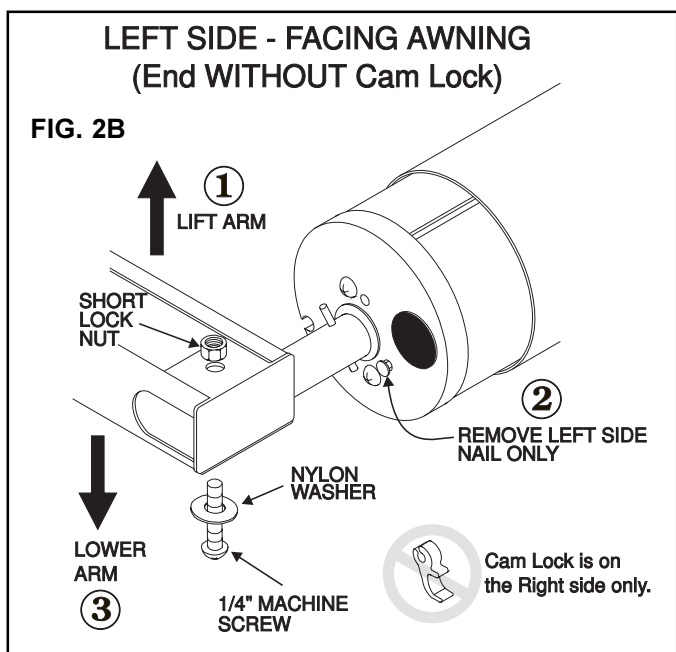
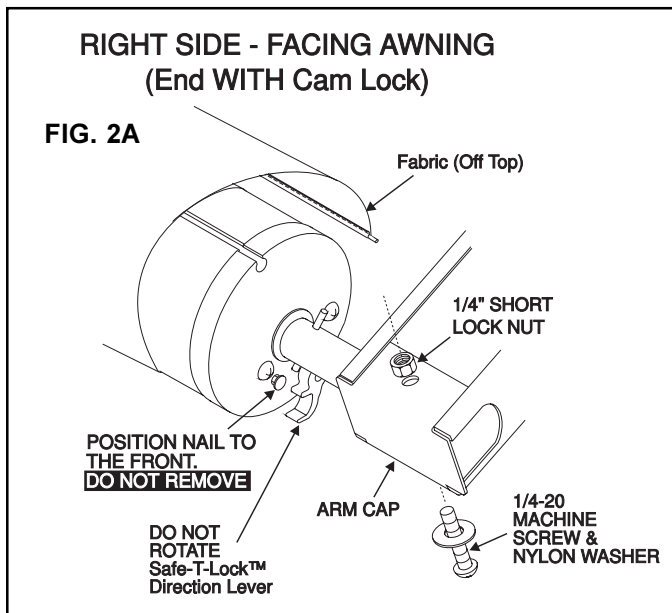
A&E Awnings can be installed by one person with brief help from two others. Use the following procedure to assure a properly installed, and properly functioning awning.



1. When the awning is mounted above a square corner entry door, a door roller and guard (not included) must be installed per FIG. 1A and 1B 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 Door Roller Kit #830304 us available from The Dometic Corporation.



2. Carefully lay the fabric roller tube assembly on a clean, padded "V" trough to prevent fabric damage. Working on the torsion lock end first, insert the arm cap into the arm, position the nail in the end cap to the front of the hardware, align and secure the arm assembly to the torsion rod using the 1/4-20 machine screws, nylon washers, and 1/4" locknuts. FIG. 2A) Align and attach the other end.



⚠ WARNING

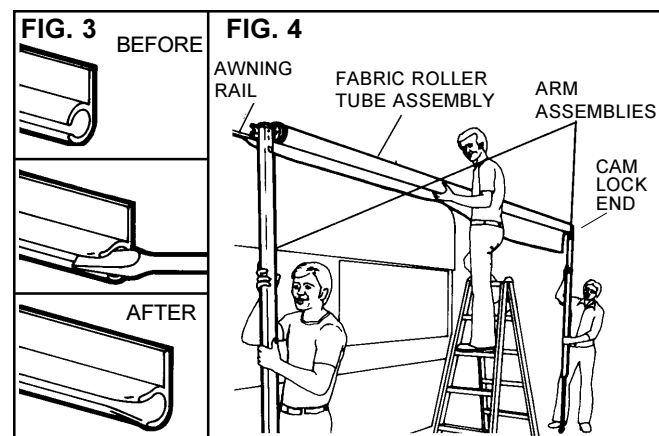
DO NOT REMOVE the NAIL from the right end at this time and DO NOT attempt to rotate the Safe-T-Lock™ Lock Direction Lever until installation is complete. (Lever has been preset in the roll-down position.) (FIG. 2A)

3. **Remove the left nail only.** With both awning 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 torsion pressure off of the nail. Remove the nail by hand and lower the arm to the floor. (FIG. 2B)

4. Prepare the awning rail to accept the awning roller cover by selecting the end from which the awning shall be fed, then widen that end of the rail with a flat screwdriver and remove burrs. (FIG. 3)

With one person grasping each support arm, carefully lift the entire assembly to an upright position.

Keep the arm assemblies **PARALLEL** to each other to avoid damage due to twisting. Walk the awning to the prepared awning rail end (FIG. 4) Ensure the cam lock is on the right end as you face the coach.

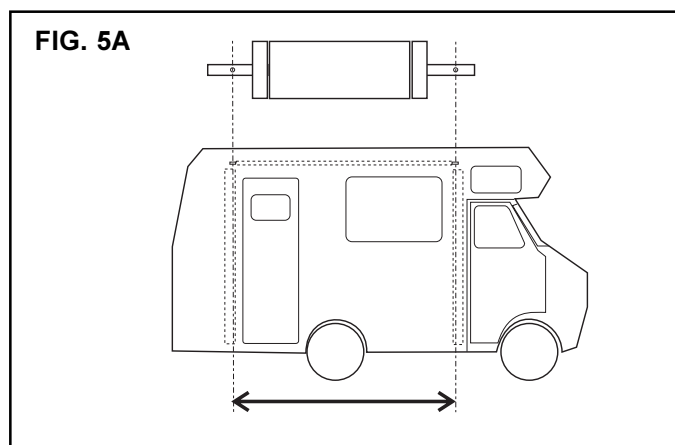


Feed the awning into the awning rail while standing on a stepladder (3rd person), while the other two carry the awning assembly to the desired position. (FIG. 4)

5. Lift handle (releasing lock button) on the side of the main arm and **CAREFULLY** allow the inside arm to extend to the ground and support the awning (FIG. 5D).

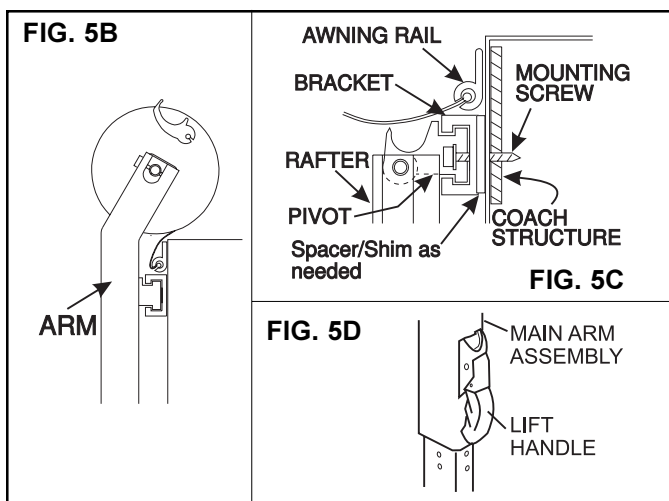
6. Install Top Brackets.

After the complete awning assembly has been slid 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, etc.) (FIG. 5A)



Slide the bracket onto the rafter pivot and position below awning rail as shown in FIG. 5B. Align bracket directly behind and centered with the main support arm.

Pull the main support arm away from the top mounting bracket and rafter arm. Mark the top bracket position and predrill two 3/16" dia. holes (7/32" dia. in steel). Install top bracket with two #14 hex. hd. screws (FIG. 5C). (Install a 3/4" spacer behind the bracket if the permanently mounted aluminum foot is used.) It is recommended that clear silicone be used to seal the screw where it enters the coach.



Install remaining top mounting bracket using the same procedure.

Top Mount Adjustment

The screws will bow the bracket when fully tightened so it grips and holds the top pivot in place. Sideways adjustment to align the rafter with the arm center can be made by loosening the bracket screws, adjusting and retightening.

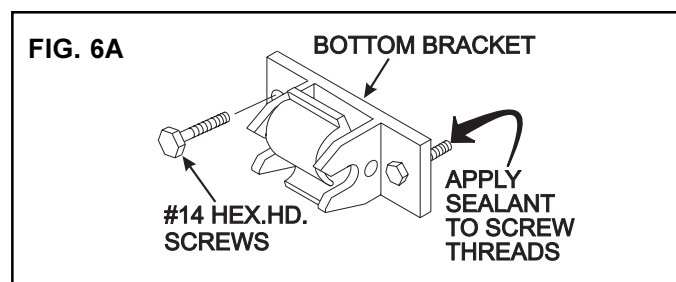
7. Install Bottom Brackets

Position the foot bracket behind the arm and over the best supporting structure, i.e. mounting the bottom bracket directly into the floorline, molding, etc.

Mark position of bottom bracket so that both holes are positioned over the floorline. Predrill two 3/16" dia. holes through the marked locations. (Use 7/32" dia. if drilling through steel).

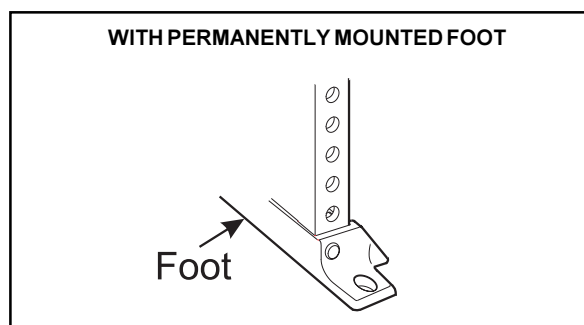
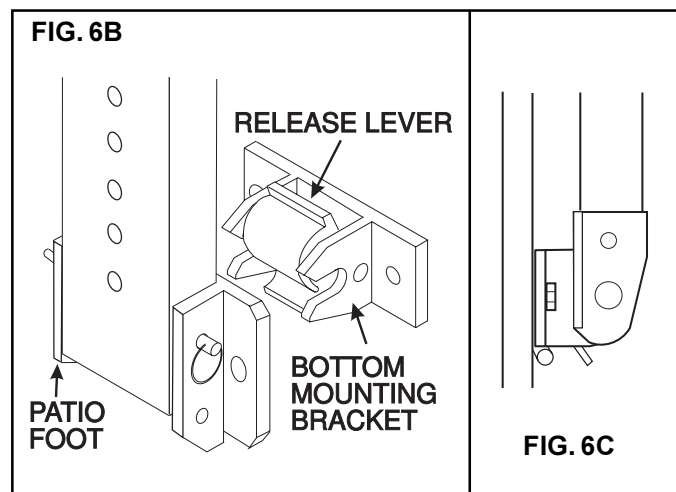
Secure bracket using two #14 hex head screws. (FIG. 6A). Seal the screw where it enters the coach.

Repeat for other side.



Pick up the awning weight with the lift handle. Slide the inner arm up until it is even with the mounting bracket (FIG. 6C)

Release the lift handle locking the arm height. Snap the arm foot into the bracket (FIG. 6B). Repeat for other side.



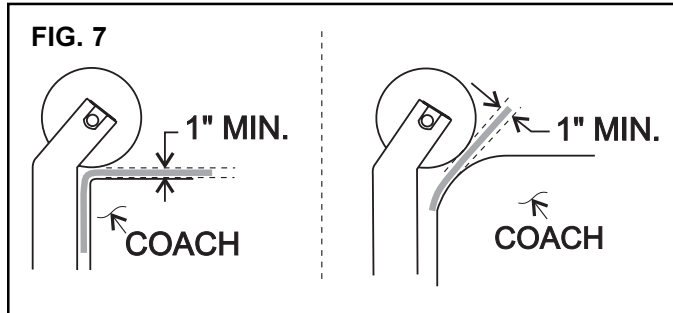
8. Install Stop Plugs.



This step is essential for the proper functioning of all A&E Awnings.

After both bottom brackets are installed, and both main arms are engaged, push the main arm back to the coach and raise it until there is **AT LEAST 1" CLEARANCE FROM THE ROOF.** (FIG. 7)

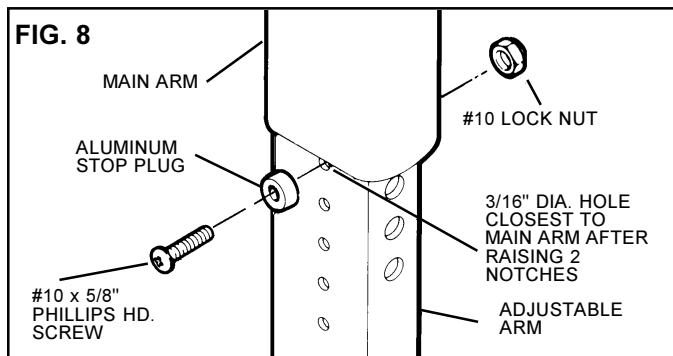
Then raise the awning 1 notch higher.



On the front of the adjustable arm, locate the small hole closest to the bottom of the arm (FIG. 8). Install aluminum stop plug in this hole by inserting a #10 x 5/8" Phillips screw through the stop plug and through the hole. Secure with a #10 lock nut (FIG. 8). Lower the arm onto the stop plug with the lift handle.

THE MAIN SUPPORT ARM SHOULD NOW COMPLETELY CLEAR THE TOP BRACKET WHEN PUSHED TO THE VEHICLE SIDE.

Repeat for other side.



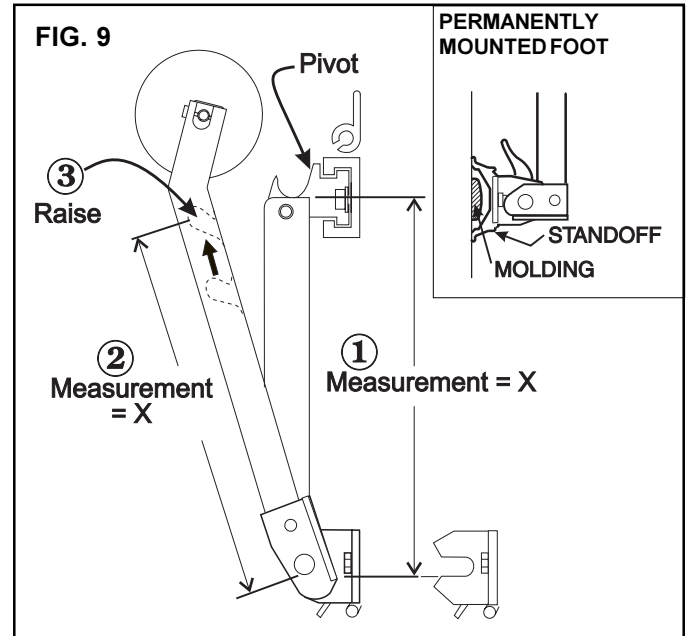
9. Adjust the Travel Latch Stop



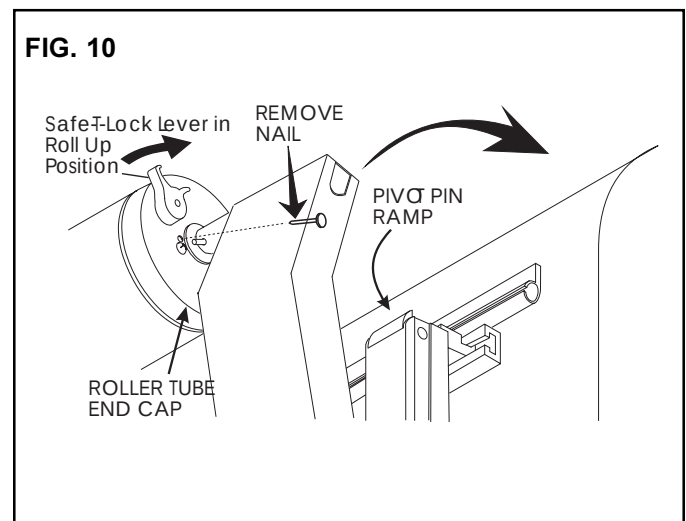
This step is essential for the proper functioning of the Awning.

There is a "U" shaped spring installed at the top of the main arm. Measure the distance from the bottom hook in the top pivot to the bottom of the notch in the foot bracket.

Then measure from the bottom of the pin in the foot up the arm and mark the same distance on the arm. Slide the spring up so the top of the spring is at this mark. (FIG. 9)



Next, cut the tie holding the 2 slides together at the weld of the arm and push the arm to the coach wall. The pin in the lower slide should slide up and drop behind the ramp of the pivot. (FIG. 10)



10. Release Pre-Set Tension.



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

The 2nd nail is found in the roller tube end cap (FIG. 10). 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. The awning will roll up until the fabric is taut and the arm is a few inches from the wall. If no tension is felt, check to make sure the Safe-T-Lock™ Lever is in the roll-up position.

11. Secure Awning to Rail

The fabric must be secured from shifting within the awning rail.

Open and close awning a few times without tensioning to allow for natural self adjustment of awning. Replace the pull strap on the awning with the short one from the hardware parts pack. Track the strap slightly to one side as it closes to avoid bulging over the extra thickness of material and stretching the fabric.

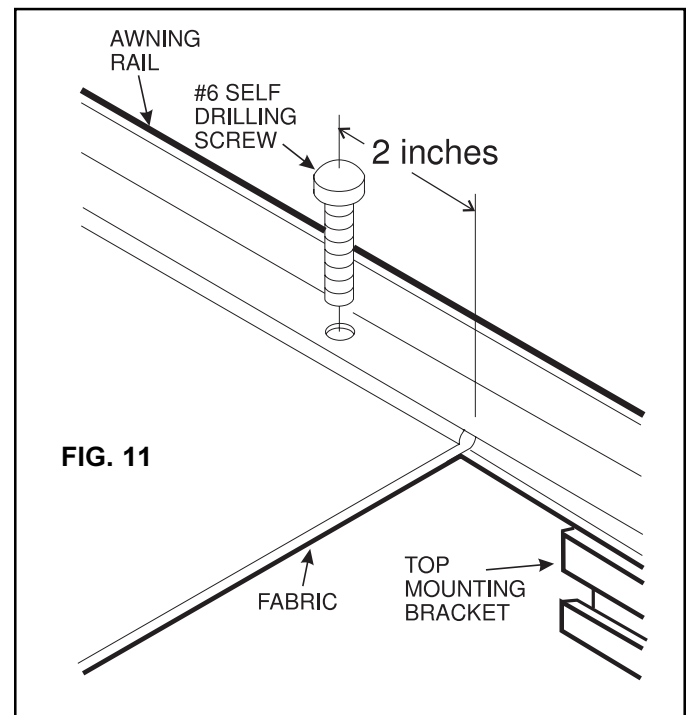
Insure the main arms are still positioned directly in front of the top brackets.

With the awning closed, the fabric will locate itself between the two top brackets. Pull the fabric sideways 1/4" in the awning rail. Measure in 2" from the edge of the fabric and secure by driving a #6 self-drilling screw through the rail and into the fabric rope. (FIG. 11)

Repeat at the other end, pulling the fabric 1/2" and holding while securing the fabric. This will ensure a wrinkle-free weather shield.

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

13. Secure for travel by pushing the arm to the coach until latched.



14. Wind deflector must be installed if needed. Refer to Page 2 for instructions.

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by Dometic

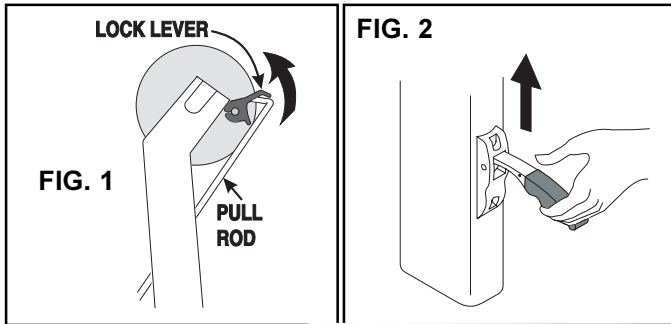
**Fabric Roller Tube Assembly
with Wide Body "Nested" Hardware**

OPERATING INSTRUCTIONS

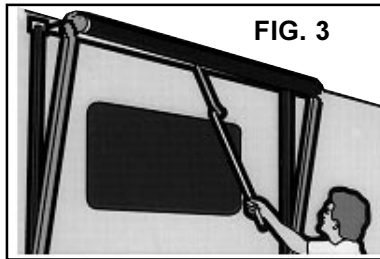
MODEL
Wide Body
Sunchaser

TO OPEN AWNING:

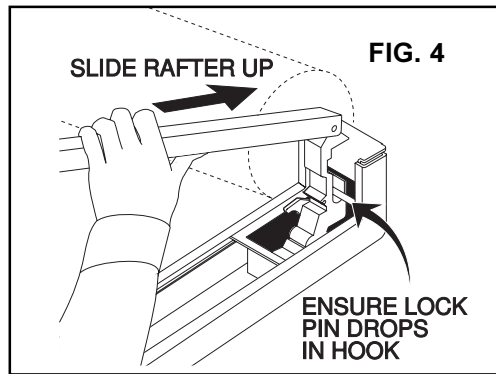
1. Push the locking lever to release to awning. The unlocking will be stiff when the lock is fully engaged. FIG. 1
2. Lift each arm to unlock the awning. FIG. 2



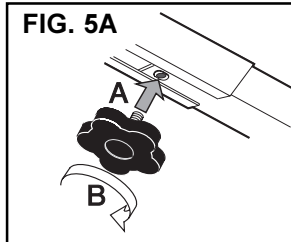
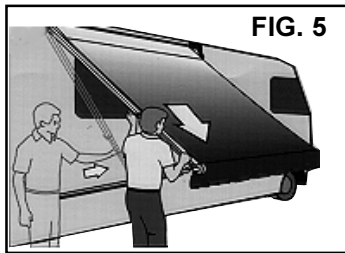
3. Hook the rod into the loop of the pull strap, and pull the awning all the way out. FIG. 3



4. Slide the rafter up. Push the outside hook firmly over the top of the arm. The rafter lock pin must drop into the inside hook. FIG. 4



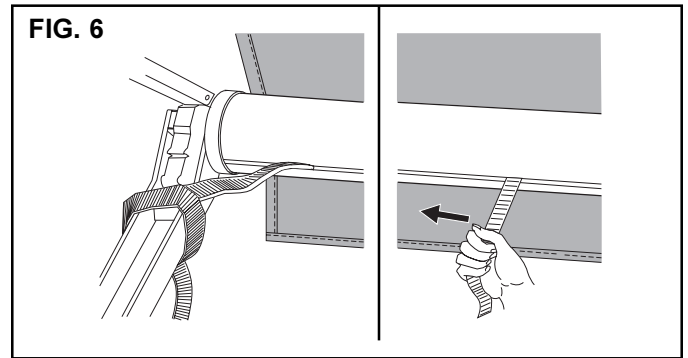
5. Pull down and out on the sliding rafter to remove slack from the fabric. Install and tighten the black adjustment knob (FIG. 5A). (The knob is left installed on models with the aluminum foot permanently attached.) Repeat for other side. FIG. 5



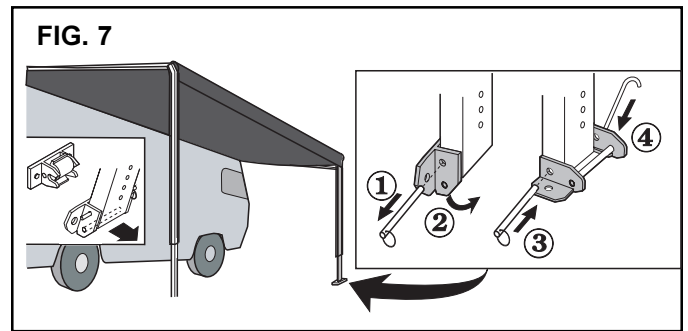
CAUTION

Do not operate the awning without the knobs in place.

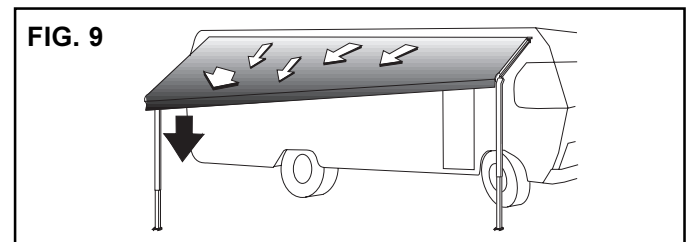
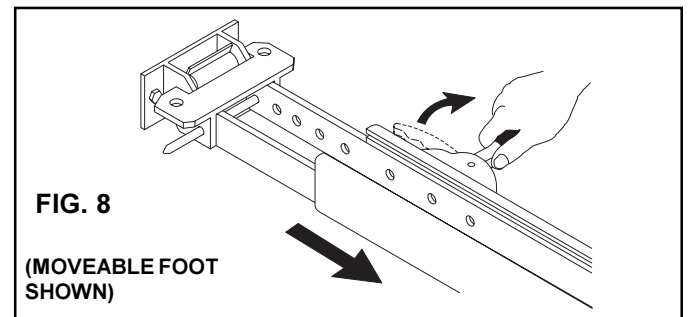
6. Slide the pull strap to the right end of the roller and wrap it around the main arm. FIG. 6



7. **(OPTIONAL STEP)** Press the release lever at the bottom end of one main arm. Pull the arm assembly outward to a vertical position.
8. Reposition the foot if not permanently attached and drive stakes through the foot into the ground. Stake kits are available from your awning distributor. FIG. 7



9. Pull up on the lift handle, and raise the arm assembly to the desired height. Swing handle in and allow the lock button to snap into one of the holes. Repeat for the other side. FIG. 8.
10. Lower the end furthest from the door to allow water to flow off. FIG. 9

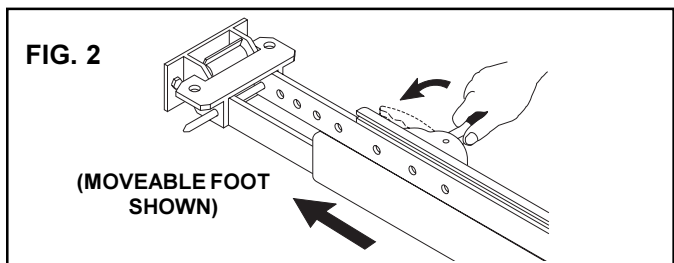
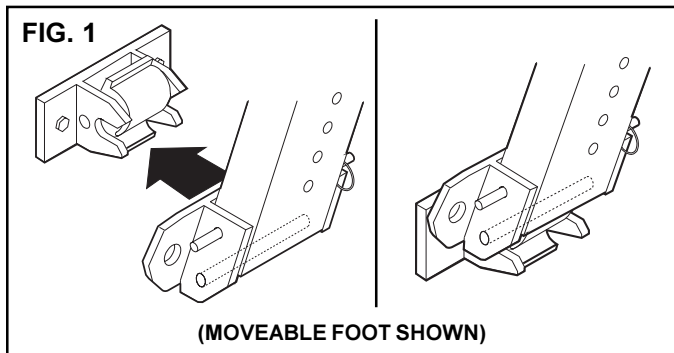


⚠ CAUTION

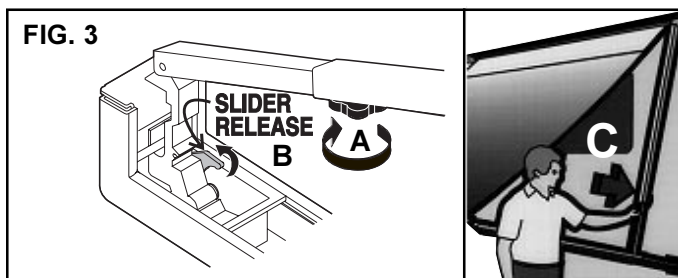
Whenever heavy or prolonged rain or wind is anticipated, or you will leave the awning unattended, it is important to close the awning. Damage as a result of weather is NOT covered by warranty.

TO CLOSE AWNING:

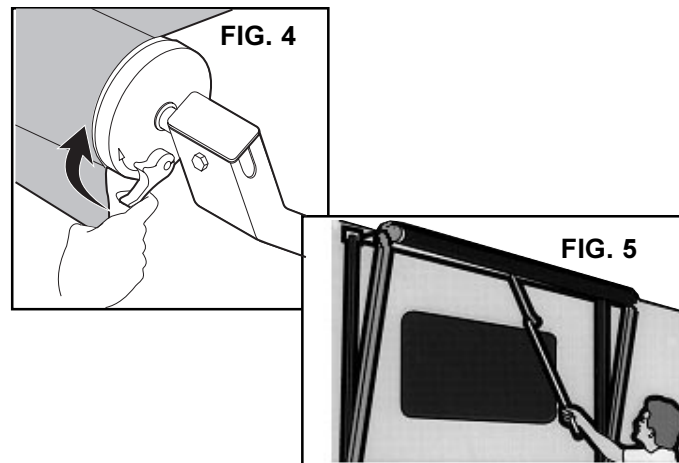
1. Pull stakes from the ground. Return the foot to the original position, swing arm toward the vehicle, and snap the patio foot into the bracket. Repeat for other side, and proceed to the next step. FIG. 1



2. Raise the lift handle to release the lock button. Lower main arm to the stop plug. Swing the handle in to engage the lock button in a hole. Rotate lock spring back to "LOCK" position. Repeat for other side.
3. Loosen black adjustment knob. Lift the slider release and pull back on the rafter to release the slide. Slide the rafter to the bottom of the main arm. **Remove and Store the knob for future use on models without the aluminum foot permanently attached.** Repeat for other side. FIG. 3



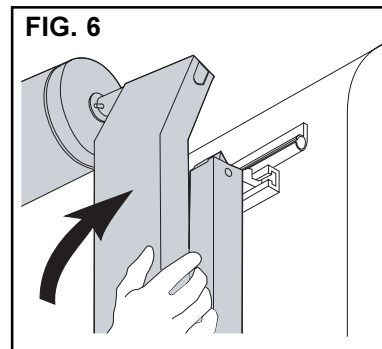
4. Grasp the pull strap, pull toward you, and flip the locking lever to the ROLL UP position. FIG. 4



⚠ WARNING

DO NOT release the awning now. It is under tension and could snap back against the vehicle side.

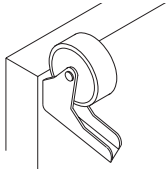
5. Slide the pull strap to the center, and using it to control speed, allow the awning to return slowly to vehicle side. **NOTE:** Wind the strap diagonally to prevent a bulge in the fabric. FIG. 5
6. Push the arm to the wall until the latch pin drops into the top hook, while holding the top of the arm to the coach. Pull on the arm to be sure the awning is locked. FIG. 6.



(Continued on Page 10)

HELPFUL HINTS FOR AWNING CARE

- * Apply silicone spray lubricant at the beginning of each season and as needed to the awning's moving parts.
- * 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 vinyl with mild soap and water.
- * Always make sure the awning is extended high enough before opening the entry door.



Please Note: A slight "travel line" may appear where the door roller contacts the awning fabric. This is considered normal and does not affect the integrity of the awning.

WHEN TO GET MORE HELP:

- * The hardware must be secure to travel. If the unit does not lock to the coach on closing:
 - Ensure the foot is repositioned to the storage position if not permanently attached. (FIG. 1)
 - Ensure the arm is lowered fully onto the stop bolt. (FIG. 2)
 - Ensure you are pushing as high as possible on the arm. (FIG. 6)
- * If malfunctions occur that cannot be corrected by reviewing this manual, contact a qualified Dometic service technician.