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Model Number \_\_\_\_\_  
Serial Number \_\_\_\_\_  
Date Purchased \_\_\_\_\_  
Retailer / Qualified Installer \_\_\_\_\_

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**For Service Center Assistance Call:**  
800-544-4881

**TYPE 9500  
CASSETTE  
AWNING**

**INSTALLATION  
INSTRUCTIONS**

**MODEL  
200(XX)(XX).003(#)**



## IMPORTANT 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.

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

## GENERAL INSTRUCTIONS

**⚠ WARNING**  
Read and understand these instructions before installing this product. Incorrect installation can lead to serious injury. Follow all installation instructions. This product **MUST** be installed by a Dometic, LLC Service Center or a qualified service technician. **Do NOT** modify this product in any way. Modification can be extremely hazardous. Failure to obey these warnings could result in death or serious injury.

Required hardware:

8' - 13' Models:

- (1) Mounting Bracket
- (12) M6 X 50 mm L Carriage Bolt
- (12) M6 Split Lock Washer
- (12) M6 Flat Washer
- (12) M6 Locknut With Nylon Insert
- (6) #8-18 X .38 Self Drilling Flat Head Screw

Additional hardware quantities:

15' - 16' Models ONLY:

- (4) M6 X 50 mm L Carriage Bolt
- (4) M6 Split Lock Washer
- (4) M6 Flat Washer
- (4) M6 Locknut With Nylon Insert
- (2) #8-18 X .38 Self Drilling Flat Head Screw

Required tools:

- 3 mm Hex Key
- 6 mm Hex Key
- Torque Wrench
- 6 mm Hex Key Socket
- 10 mm Socket
- PH Phillips Head Screwdriver (or bit and drill)

Optional accessories:

- 3313887.000 Kit, Support Leg
- 3313885.000 Kit, Tie Down Strap

### A. Application

This awning (hereinafter referred to as “product” or “awning”) is ideal for use on RVs. It is especially well suited for RVs with an over cab extension where there is not sufficient surface for a bottom mounting bracket. This awning can be installed by one person with brief help from additional personnel. Use the following procedure to ensure a properly installed, and properly functioning awning.

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

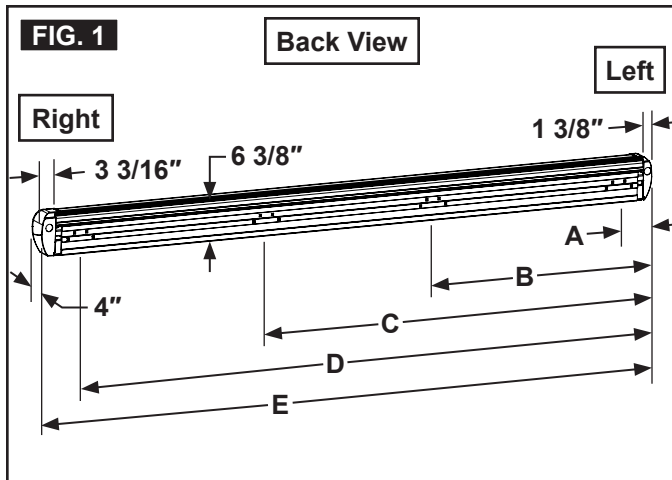
## B. Specifications

### ⚠️ WARNING

**IMPACT OR CRUSH HAZARD.** Locate mounting bolts behind each shoulder assembly (lateral arm attachment) to provide proper support. Otherwise, awning may become unstable and could bend or collapse. Failure to obey this warning could result in death or serious injury.

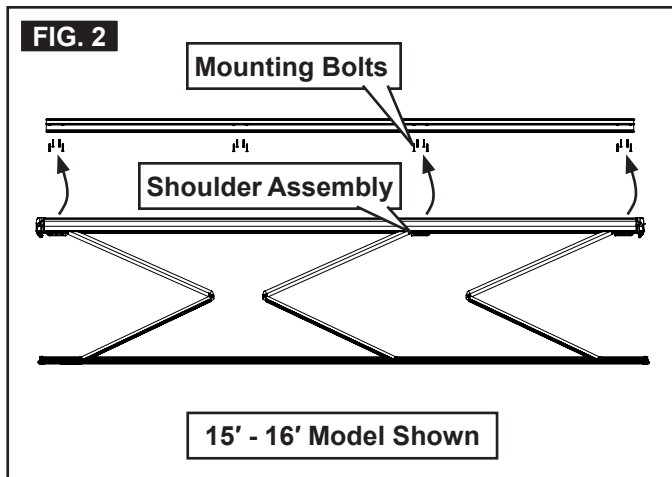
1. Mounting bracket (bolt pattern) spacing. See FIG. 1.
  - a. 8' - 13' models require (3) sets of bolts.
  - b. 15' - 16' models require (4) sets of bolts.

**Note:** Spacing must provide mounting bolts behind each shoulder assembly (lateral arm attachment). See FIG. 2.



**Hole Pattern Locations**

	8'	10'	12'	13'	15'	16'
<b>A</b>	6 3/8"					
<b>B</b>	N/A				59"	
<b>C</b>	50 5/8"	60 7/8"	69 1/4"	79"	116 3/8"	
<b>D</b>	94 3/4"	115 1/4"	132"	151 5/8"	180 1/4"	191"
<b>E</b>	103"	123 1/2"	140 1/4"	159 7/8"	188 1/2"	199 1/4"



## PROCEDURE

### A. Install Awning

### ⚠️ WARNING

**IMPACT OR CRUSH HAZARD.** Make sure RV's structure will safely and securely support product before installation. Otherwise, product may become unstable and could bend or collapse. Failure to obey this warning could result in death or serious injury.

### ⚠️ CAUTION

**PINCH HAZARD.** Maintain a horizontal distance of at least 16" between the fully open awning and any permanent object. Failure to obey this caution could result in injury.

### NOTICE

Make sure entry door will open without interference when awning is completely extended. Make sure the mounting surface is flat and vertical. Any tilt in the mounting surface will cause tilt in the lead rail.

1. Determine location of awning.
  - a. Allow for a minimum of 1/2" clearance at top and sides of awning case.

**Note:** Additional clearance is recommended to allow ease of access for servicing.

- b. Avoid location that interferes with entry door swing when awning is completely extended.

**Note:** Awning is factory preset for a 5° fabric slope, but it may be adjusted for a 15° slope. Allow for sufficient clearance to accommodate awning pitch (slope).

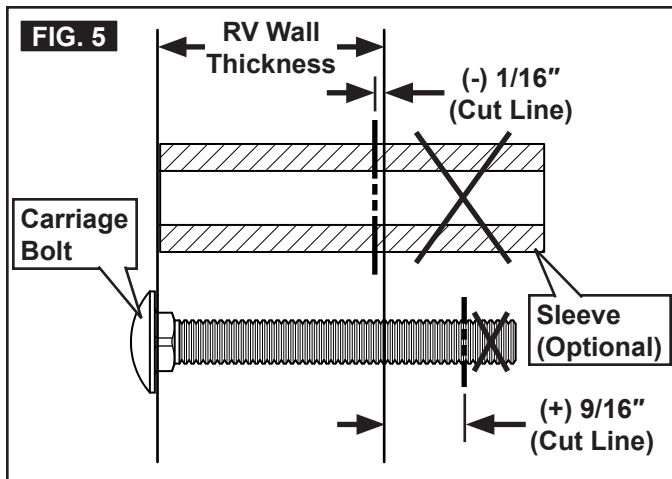
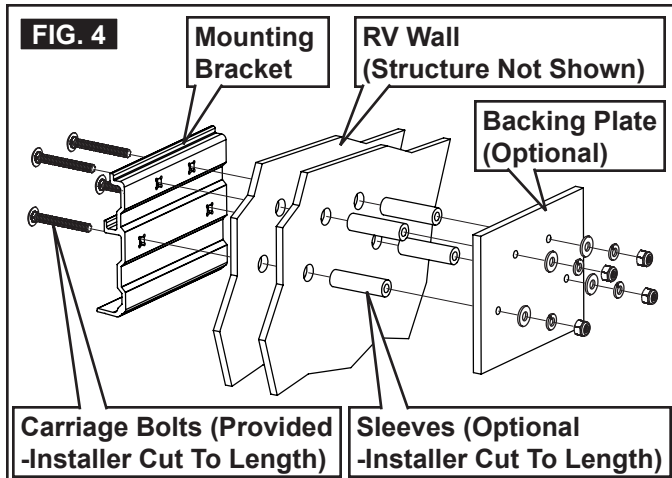
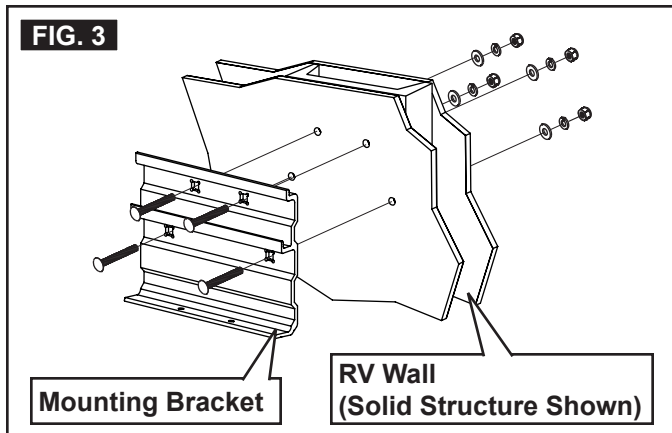
For a 22" entry door, the approximate clearance should be 2 1/2" for 5° slope, and 6 1/2" for 15° slope.

- c. Find a solid structure in RV wall for support of mounting bracket (if possible). See FIG. 3.

**Note:** Solid structure must be as wide as mounting bolt pattern (behind each shoulder assembly), and span from floor to roof of RV.

**Important:** For installations without sufficient structural support, a backing plate and sleeves (available from Dometic, LLC) will be needed inside RV wall. This will help strengthen awning support. See FIG. 4.

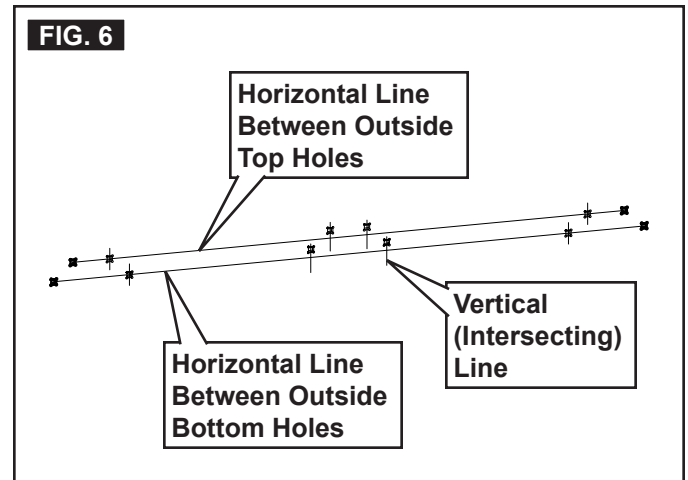
**Note:** The 0.405" O.D. sleeves and M6 carriage bolts provided will fit up to 1 7/16" RV wall thickness. If RV wall is thicker than 1 7/16", longer carriage bolts and sleeves will be required. Cut sleeves and carriage bolts (Grade 8.8 minimum) to fit RV wall as necessary. Repair threads (at cut) on carriage bolts. See FIG. 5.



## NOTICE

**Install mounting bracket on a flat surface, and make sure it is level to ensure correct function and appearance.**

2. Using a mounting bracket as a template, mark its position and all hole locations. See FIG. 3.
3. Mark lines between the (2) outside top holes, and the (2) outside bottom holes. See FIG. 6.



4. Verify horizontal lines are level, then mark vertical lines from all remaining holes to intersect the marked horizontal lines. See FIG. 6.

**Note:** Due to the nature of long extruded parts, the mounting bracket may be slightly bowed. Some hole locations may be above or below the marked horizontal lines.

## ⚠ WARNING

**FIRE OR ELECTRICAL SHOCK HAZARD.** Before drilling or cutting into RV, shut off gas supply. Disconnect 120 Vac power from RV, and the positive (+) 12 Vdc terminal from supply battery. Make sure there are no obstacles inside RV's roof and/or walls (wires, pipes, etc.). Failure to obey these warnings could result in death or serious injury.

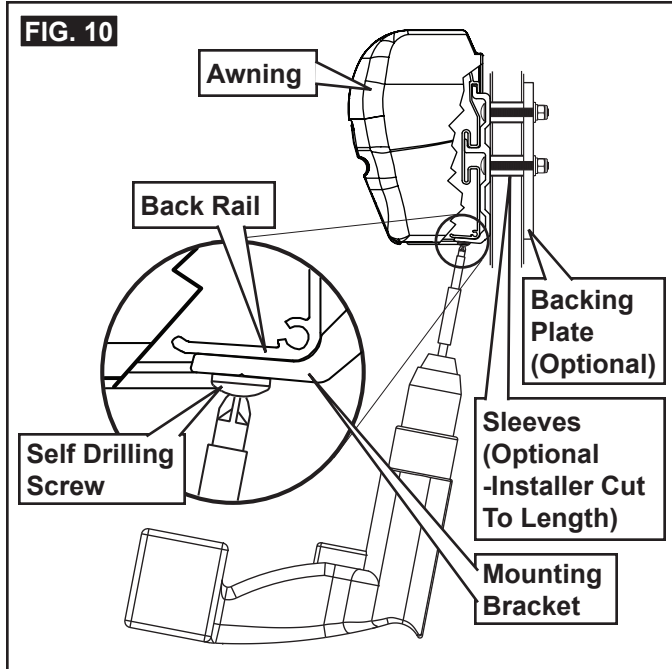
5. Pre-drill 1/2" clearance holes for sleeves, or 1/4" clearance holes for M6 carriage bolts on the marked locations. See FIG. 3.



**⚠ WARNING**

**IMPACT OR CRUSH HAZARD.** Do NOT operate or leave awning unattended until it is securely fastened to mounting bracket. Otherwise, awning could dislodge and fall. Failure to obey this warning could result in death or serious injury.

10. Place and tighten the self drilling screws through mounting bracket and into awning's back rail. See FIG. 10.



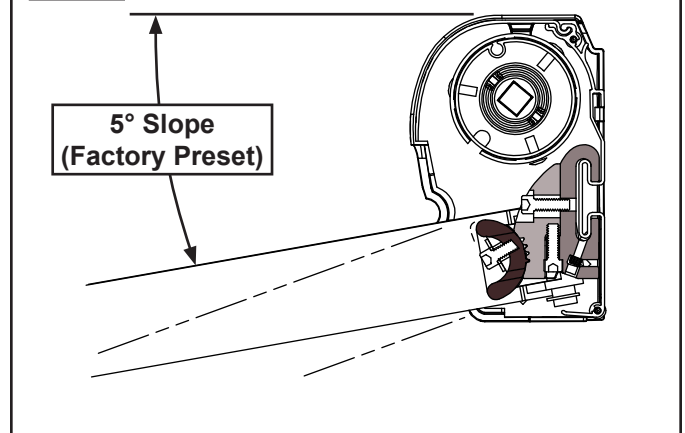
**B. Adjust Fabric Slope (If Desired)**

**⚠ WARNING**

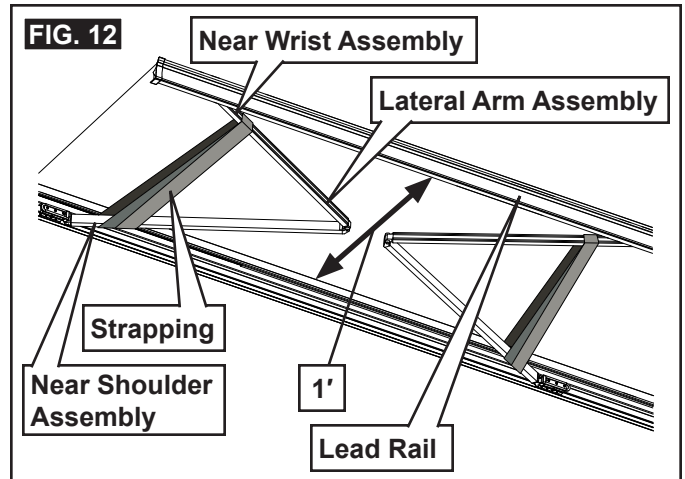
Any adjustments to this product **MUST** be performed by a Dometic, LLC Service Center or a qualified service technician. Incorrect adjustments can be extremely hazardous. Failure to obey this warning could result in death or serious injury.

The awning is factory preset for a 5° fabric slope to help accommodate water runoff. Alternatively, the awning may be set for a 15° fabric slope if there is adequate door clearance, etc. See FIG. 11.

**FIG. 11**



1. Extend awning far enough to access shoulder (approximately 1'), then tie all lateral arm assemblies securely (with fabric strapping or light rope) near shoulder and wrist. See FIG. 12.



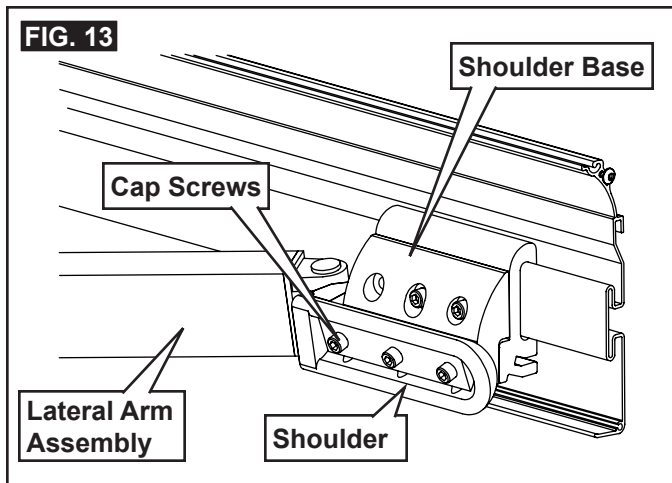
2. Support weight of lead rail and lateral arm assemblies securely.

**⚠ WARNING**

**IMPACT OR CRUSH HAZARD.** Make sure lateral arm assemblies are tied and supported securely (with lead rail) before loosening fasteners. Otherwise, the lead rail and lateral arm assemblies could shift or drop quickly and unexpectedly. Failure to obey this warning could result in death or serious injury.

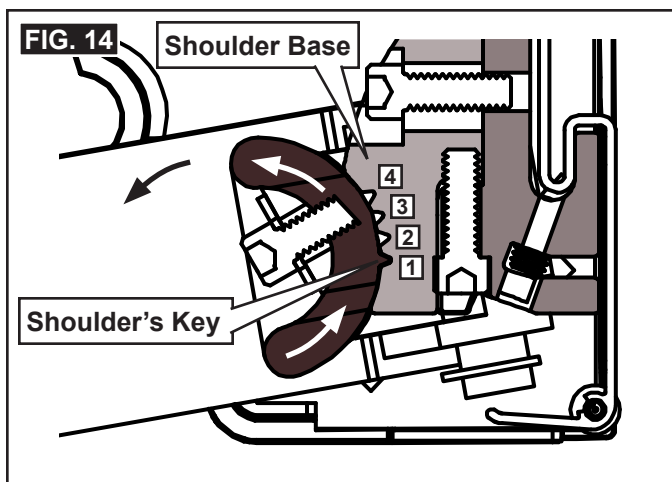
3. Loosen the (3) cap screws (3.5 turns maximum) clamping the shoulder to the shoulder base on (1) lateral arm assembly only. See FIG. 13.

## C. Readjust Lateral Arm Assemblies (If Required)



**CAUTION**  
**PINCH POINT HAZARD.** Keep clear of pivot area when raising or lowering lateral arm assembly. Failure to obey this caution could result in injury.

- Pivot the lateral arm assembly down (rotate shoulder in shoulder base to lower lead rail) until shoulder's key aligns with shoulder base's groove at position "2". See FIG. 13 and 14.



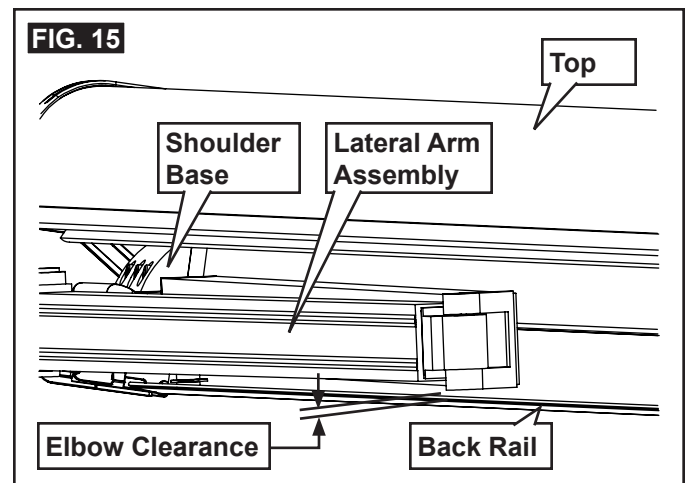
- Tighten cap screws to 140 in·lb torque to re-clamp the shoulder to the shoulder base. See FIG. 13.
- Repeat steps (3) through (5) for each lateral arm assembly. Remove ties when done.

### NOTICE

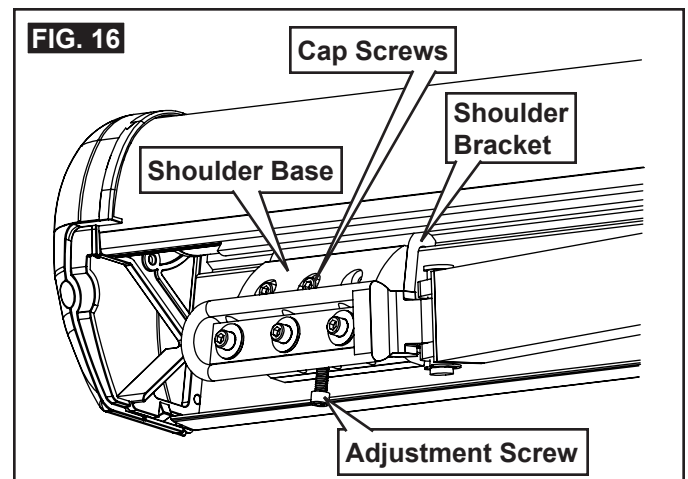
Do NOT allow lateral arm assemblies to rub against lower lip of back rail when closing, or rest on awning fabric when fully opened. Otherwise, premature wear and abrasions could occur.

After fabric slope adjustment, verify that awning will close without interference. If awning will not close correctly, or if lateral arm assembly's elbow will not clear back rail, it will need readjustment. See FIG. 15.

**Note:** The lateral arm assembly's elbow should just clear (slightly above) lower lip of back rail without rubbing. Adjusting too high may interfere with top (awning case), or may cause shoulder base to contact awning fabric.



- Extend awning far enough to access shoulder base (approximately 1'). See FIG. 16.





2. Support weight of lead rail and lateral arm assemblies securely.

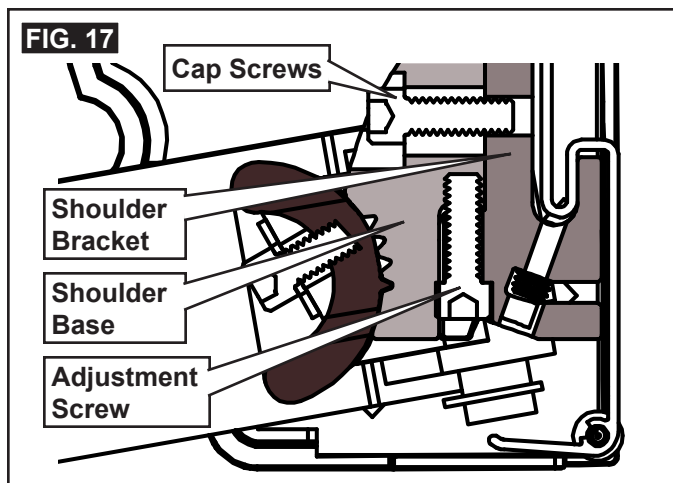
- c. When you reach appropriate clearance, extend awning far enough to access shoulder base (approximately 1').
- d. Tighten the (2) cap screws to 140 in-lb torque (for each lateral arm assembly) to clamp the shoulder base to the shoulder bracket.

**⚠ WARNING**

**IMPACT OR CRUSH HAZARD. Make sure lead rail and lateral arm assemblies are supported securely before loosening fasteners. Do NOT completely remove fasteners, or loosen them so far that shoulder base will disengage from shoulder bracket. Otherwise, the lead rail and lateral arm assemblies could drop quickly and unexpectedly, or lateral arm assemblies could extend to the side, beyond awning perimeter quickly and unexpectedly. Failure to obey these warnings could result in death or serious injury.**

3. Slightly loosen the (2) cap screws (per lateral arm assembly) clamping the shoulder base to the shoulder bracket. See FIG. 16 and 17.

**Important:** Loosen cap screws just enough to relieve clamping pressure on components. Do NOT loosen any farther.



4. Readjust lateral arm assembly's closing height. See FIG. 15, 16 and 17.
  - a. Retract awning until lateral arm assembly's elbow meets top and back rail to check for clearance.

**Note:** Allow enough gap to access adjustment screw. See FIG. 17.

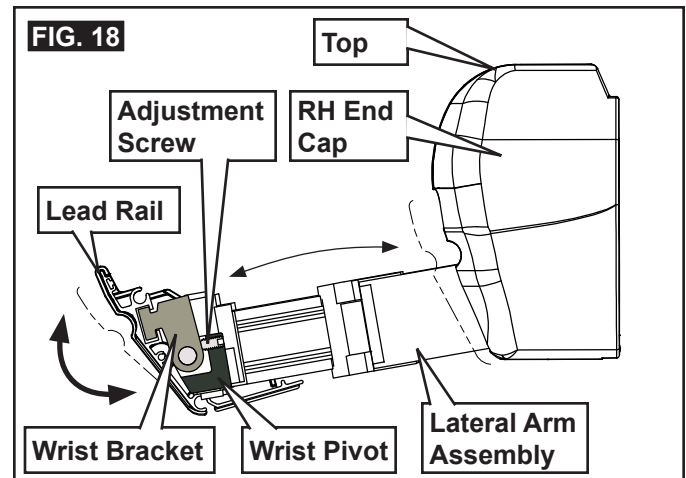
- b. Turn adjustment screw in shoulder base IN to raise or OUT to lower lateral arm assembly.

**Note:** This will also affect the lead rail height. See "Realign Lead Rail" section to adjust lead rail alignment.

#### D. Realign Lead Rail (If Required)

After fabric slope and lateral arm assembly adjustments, the lead rail may need realignment with top and end caps. See FIG. 18.

1. Check alignment of lead rail against top and end caps.
2. Extend awning far enough to access adjustment screw in wrist pivot (approximately 6").
3. Tilt lead rail, by turning adjustment screw in wrist pivot (for each lateral arm assembly), until alignment appears correct.
  - a. Turn clockwise to tilt lead rail forward.
  - b. Turn counter-clockwise to tilt lead rail back.
4. Retract awning again to check alignment of lead rail against top and end caps.
5. Repeat steps (2) through (4) as necessary.



#### E. Secure Awning For Travel

**⚠ WARNING**

**Examine installation for imbalance; and signs of wear or damage to wiring, cables, and other critical parts. Any adjustments or repairs must be performed by a Dometic, LLC Service Center or a qualified service technician.**

1. Operate awning according to the Operating Instructions to verify all parts are functioning correctly.
2. Secure awning for travel. (See "Close Awning" in Operating Instructions.)