



# Owner's Manual & Installation Instructions

*Do Not Discard,  
Retain for Future Reference*

## 1000XT Awnings

**WARNING:  
FAILURE TO FOLLOW  
THESE INSTRUCTIONS  
COULD RESULT IN  
PERSONAL INJURY!**

For Technical support visit us at <https://support.sunsetter.com>,  
e-mail at [contactus@sunsetter.com](mailto:contactus@sunsetter.com) or call Toll Free 800-670-7071

## READ ME FIRST !

**Congratulations!** You have just purchased America's #1 Retractable Awning. The SunSetter 1000XT Awning will provide you and your family with many years of enjoyment on your deck or patio.

Before you begin installation, take a moment to familiarize yourself with the Awning and your Owner's Manual. You may also find it helpful to view the DVD included with the Awning hardware for a visual walkthrough of the Awning installation.

Please check to ensure that you have received your Hardware Box, Fabric Tube and Roller Bar Tube. All of the parts listed on **Page iv** are in the Hardware Box. Check the labels to ensure you have the correct size, color and model Awning.

### **Installation of your Awning**

**Note:** It is important to follow the instructions very closely when installing your Awning. Left and Right references are as you are facing the house.

When installing your 1000XT Awning, you will need to adhere to the **Minimum Mounting Height**. For the greatest enjoyment of your 1000XT Awning, please mount as high on your wall as possible, with a recommended mounting height of 9'. When determining the Mounting Height of your Awning, please be sure you allow for 4" of space over any obstructions on your wall such as light fixtures, AC units, etc. If you are installing to an eave or overhang, refer to Page 15 for some examples of **Installation Options for Overhang or Low Eaves** and **Page 17** for the **Floor Mount Feature Installation Instructions**.

### **Operation of Your Awning**

Your SunSetter Awning, once installed, has the ability to be opened in different positions to suit your deck or patio design. The Awning will always need to be extended or opened completely and the rafters locked, but the Arms may be placed in either the Angled or Vertical Position. If in your application the Awning cannot be mounted directly on the wall, see **Pages 15 through 17** for **Installation Options for Overhang or Low Eaves**. Refer to your **Home Owner's Operation and Maintenance Manual** for detailed information.

**Note:** Please follow the **Care and Maintenance Guidelines on Page 11 (and also Page 17 of your Homeowner's Operation and Maintenance Manual)** for proper use and inclement weather precautions.

Please retain your Owner's and Operation Manuals for future reference regarding operation, care and maintenance, troubleshooting, customer service and warranty information.

### **Customer Support**

Our technical experts are available via email at [contactus@sunsetter.com](mailto:contactus@sunsetter.com) or call us at **800-670-7071** should you require assistance. We also invite you to visit the SunSetter Owner's Corner at <http://ownerscorner.sunsetter.com> for additional information on your Awning and other products.

We know that you will be delighted with your SunSetter Awning and will experience many years of added enjoyment on your deck or patio.

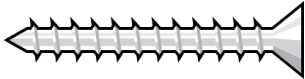
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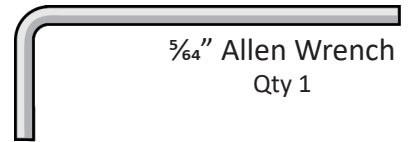
## PARTS SUPPLIED



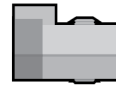
Short Awning Rail Screws ( $\frac{3}{4}$ "  
Qty 60



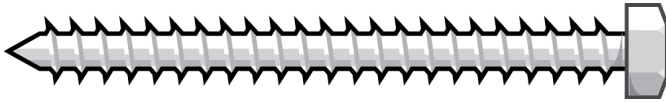
Long Awning Rail Screws ( $1\frac{1}{2}$ "  
Qty 60



$\frac{5}{64}$ " Allen Wrench  
Qty 1



Fabric Stop  
Qty 4



$\frac{1}{4}$ " x 3" Lag Screw  
Qty 15



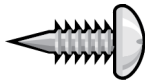
$\frac{1}{4}$ -20 x  $2\frac{1}{4}$ " Stainless Bolt  
Qty 2



$\frac{1}{4}$ -20 Stainless  
Lock-Nut  
Qty 2



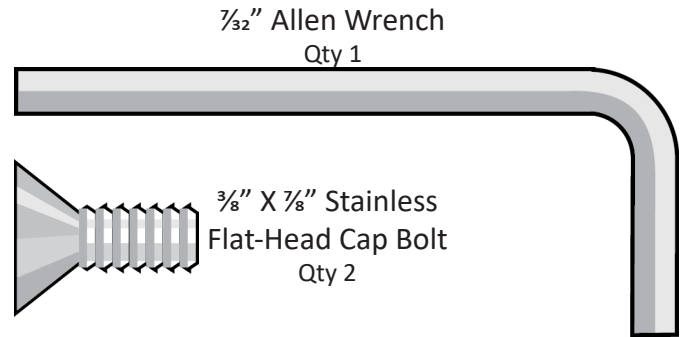
Stainless Acorn Nut  
Qty 2



#8 x  $\frac{1}{2}$ " Screw  
Qty 1

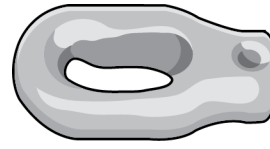


$\frac{1}{4}$ -20 x  $\frac{1}{4}$ " Round  
Head Screw  
Qty 2



$\frac{3}{32}$ " Allen Wrench  
Qty 1

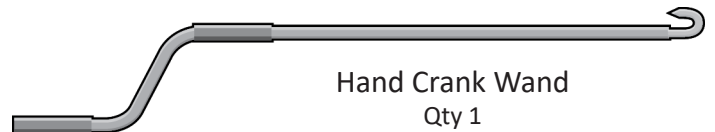
$\frac{3}{8}$ " X  $\frac{7}{8}$ " Stainless  
Flat-Head Cap Bolt  
Qty 2



Crank Loop  
Qty 1



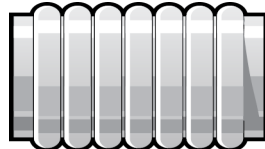
4 mm x 20 mm  
Stainless Machine Screw  
Qty 1



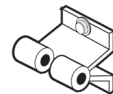
Hand Crank Wand  
Qty 1



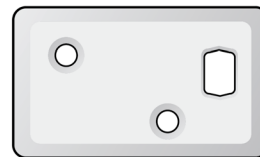
$\frac{1}{4}$ " Lag Shield  
Masonry Anchor  
Qty 15



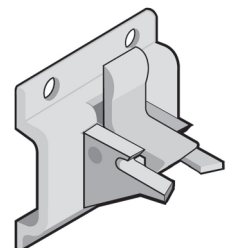
Cream Boot  
Qty 2



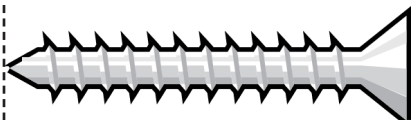
Upper  
Bracket  
Qty 2



Deck Plate  
Qty 2



Wall Bracket  
Qty 2



#14 Stainless Deck Plate Screws  
Qty 4



#14 Plastic Anchor  
Qty 4



Awning Rail  
(Packaged with Roller Bar)

**Note:** All the parts in the dashed boxes are included in separate plastic bags, packaged together in one hardware bag. The Wand, (2) Upper Brackets, (2) Wall Brackets, and (2) Deck Plates are wrapped separately. All parts are located in the Hardware Box, except for the Awning Rail which is packaged with the Roller Bar.

# AWNING INSTALLATION

**Note:** The Awning size (width) is measured from the outside of the Arms. See Figure 1.

**WARNING:** FAILURE TO WEAR SAFETY GLASSES OR TO FOLLOW THE INSTRUCTIONS BELOW COULD RESULT IN PERSONAL INJURY!

**WARNING:** THE SUNSETTER AWNING MUST BE USED WITH THE FABRIC FULLY EXTENDED AND BOTH RAFTERS LOCKED IN THE 'UP' POSITION AS SHOWN IN FIGURE 1. BE SURE TO READ THE HOMEOWNER'S OPERATION AND MAINTENANCE MANUAL THAT IS INCLUDED WITH YOUR AWNING.

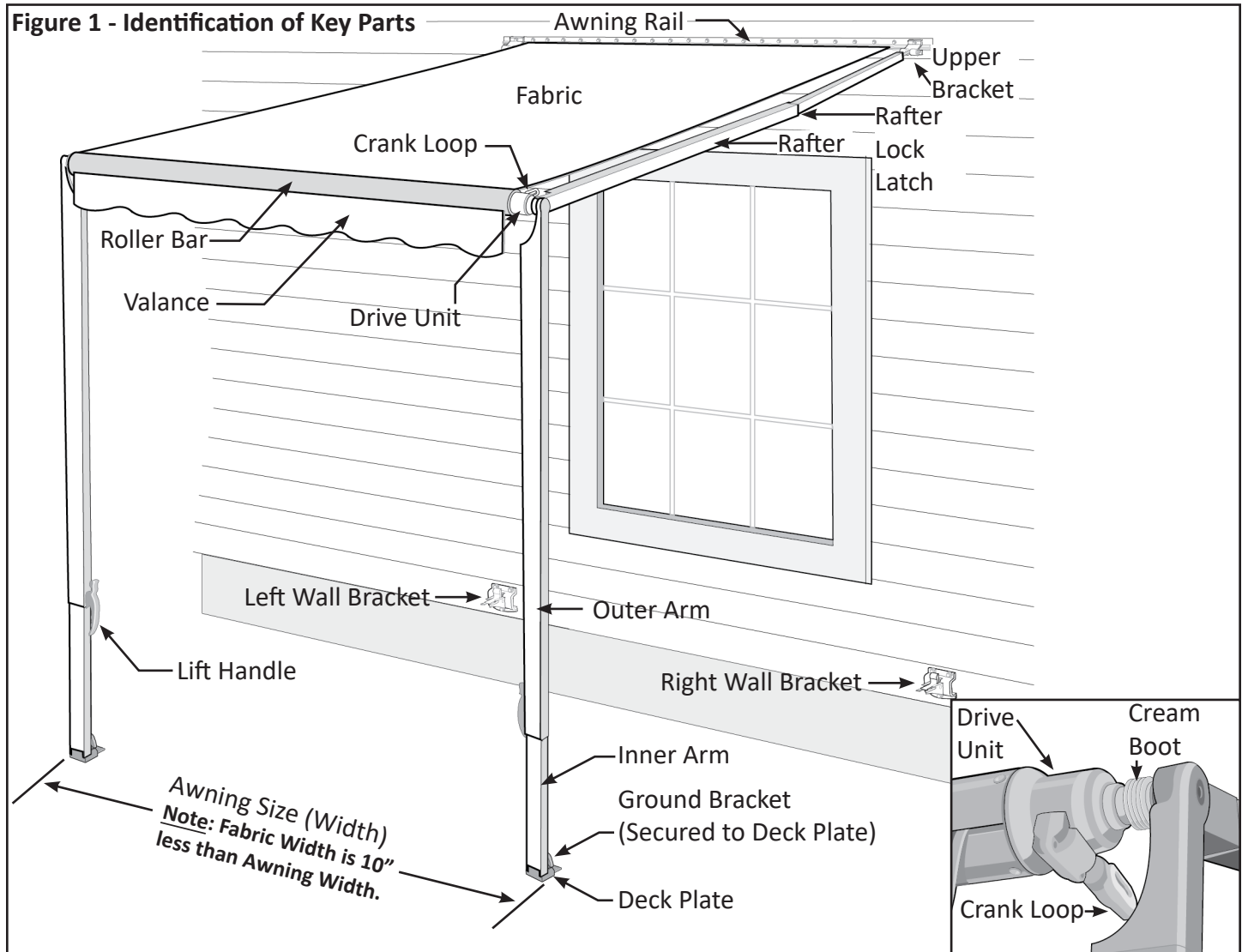
**WARNING:** NEVER ATTEMPT TO REPAIR OR DISASSEMBLE ANY PART OF THE AWNING WITHOUT FOLLOWING REPLACEMENT PART PROCEDURES SUPPLIED BY THE MANUFACTURER. TRYING TO DO SO WITHOUT PROPER INSTRUCTIONS COULD RESULT IN PERSONAL INJURY.

## Tools Needed:

1. Before starting, you will need: An Assistant, Hammer, Measuring Tape, Step Ladder, Two Chairs or Saw Horses, Electric Drill and Drill Bits:  $\frac{1}{8}$ ",  $\frac{3}{16}$ ",  $\frac{9}{32}$ ",  $\frac{5}{8}$ ", Level, Pencil, Punch, Knife or Scissors, Pliers, Socket and Driver:  $\frac{3}{8}$ ", Wrench:  $\frac{7}{16}$ ", Phillips Screwdriver, and Flat Screwdriver.

**For Masonry installation and Concrete patio:** Masonry Drill Bits:  $\frac{1}{4}$ ",  $\frac{5}{16}$ ",  $\frac{1}{2}$ ", and  $\frac{5}{8}$ " and a 1" x 4" Pressure Treated Header Board equal to the width of your Awning.

2. See Figure 1 for Identification of Key Parts mentioned in the instructions.

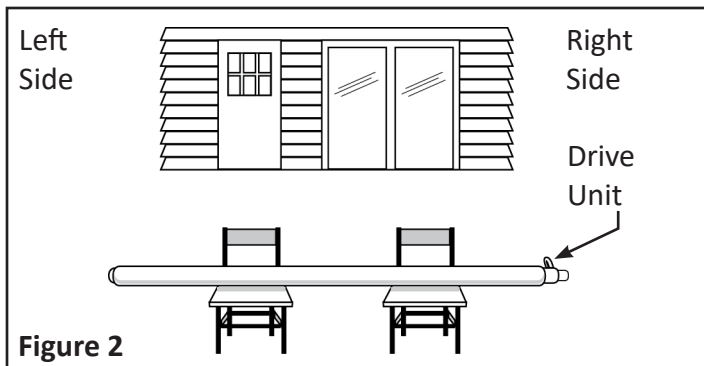


## Slide the Fabric into the Roller Bar

**3.** Position two chairs approximately 8' apart. For awnings greater than 16', you should use three chairs to support the Roller Bar during this process.

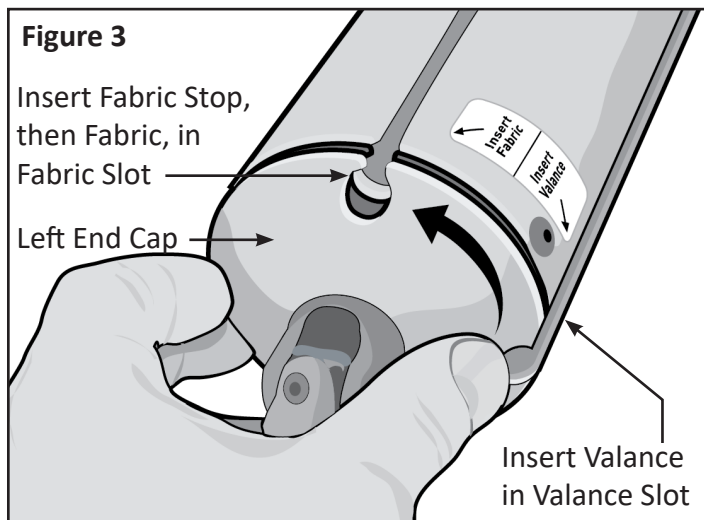
**4.** Remove the Roller Bar from the cardboard tube. Separate the Awning Rail from the Roller Bar and remove the plastic sleeve by sliding it off the end.

**5.** Lay the Roller Bar across the chairs with the **Drive Unit on the right** when facing the house. See **Figure 2**.

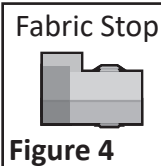


**6.** Remove the Awning Fabric from the cardboard tube or box. **Lay the Fabric on a protective surface.** Pull back the protective plastic sleeve from the end that has the Red Marker (Indicator) to expose approximately (6") six inches of the Fabric.

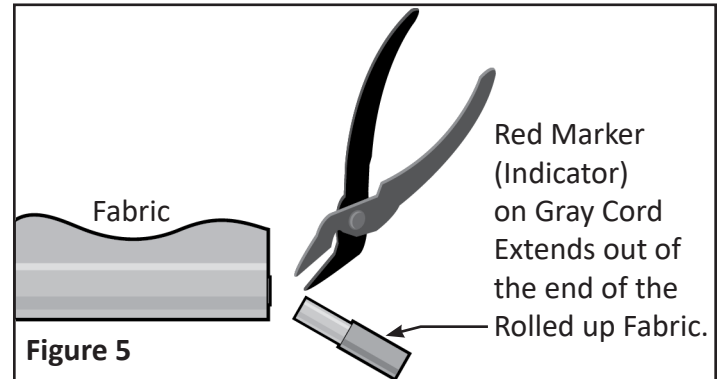
**7.** On the Roller Bar, **rotate the Left End Cap** so that the opening is aligned with the Fabric Slot indicated as 'Insert Fabric' on the Roller Bar. See **Figure 3**.



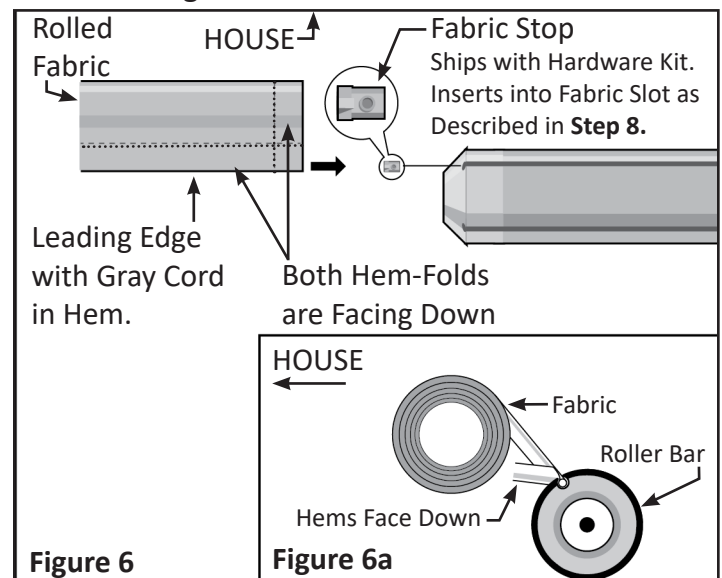
**8.** Locate the Fabric Stops in the Hardware Kit. See **Figure 4**. Insert a Fabric Stop, with the smaller end first, into this Slot. Slide the Fabric Stop to the opposite end of the Roller Bar and secure with the supplied  $\frac{5}{64}$ " Allen wrench.



**9.** On the Awning Fabric, locate the Gray Cord with the Red Indicator on the end, then trim the Cord flush with the edge of the Fabric. See **Figure 5**.



**10.** Insert the Fabric into the Fabric Slot on the left end of the Roller Bar. Be sure that the Hem of the Fabric is facing down while the Fabric is toward the house. See **Figure 6**.



**11.** While removing the protective plastic sleeve, continue to carefully slide the Fabric onto the Roller Bar until approximately six inches (6") of the Fabric is still extending out of the Roller Bar.

**12.** Carefully separate the Valance from the Fabric and set it aside.

**13.** On the remaining six inches (6") of Fabric extending out of the Roller Bar, cut the Gray Cord flush with the edge of the Fabric.

**14.** Slide the Fabric the rest of the way onto the Roller Bar until it stops at the other end. Make sure the Fabric is still rolled and on the chairs.

**15.** Insert a Fabric Stop, with the larger end toward the Gray Cord, into the same Slot until it rests on the edge of the Fabric. Tighten the Fabric Stop with the supplied  $\frac{5}{64}$ " Allen wrench.

16. Rotate the Left End Cap so that the opening is aligned with the slot indicated as 'Insert Valance' on the Roller Bar. See **Figure 3**.

17. Position the Valance with the Hem facing down. See **Figure 7**.

18. Trim the Gray Cord flush with the edge of the Valance. See **Figure 5**.

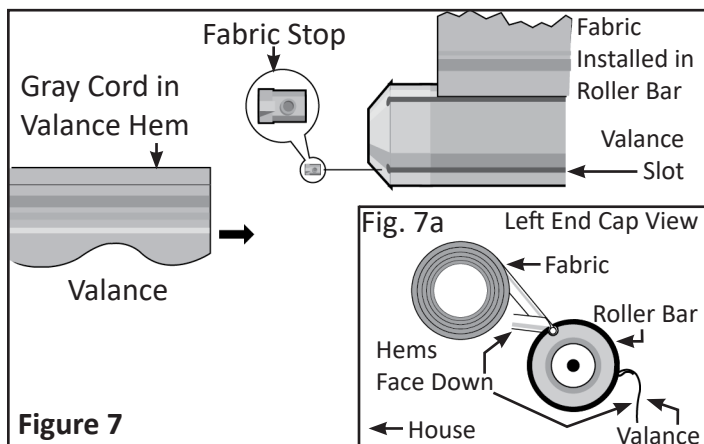
19. Insert a Fabric Stop, with the smaller end first, into the Valance Slot. Slide the Fabric Stop to the opposite end of the Roller Bar and secure with the supplied  $\frac{5}{64}$ " Allen wrench.

20. While holding the Valance upright, slide the Valance onto the Roller Bar until approximately six (6") inches is still extending out of the Roller Bar.

21. On the remaining six inches (6") of Valance extending out of the Roller Bar, cut the Gray Cord flush to the end of the Valance.

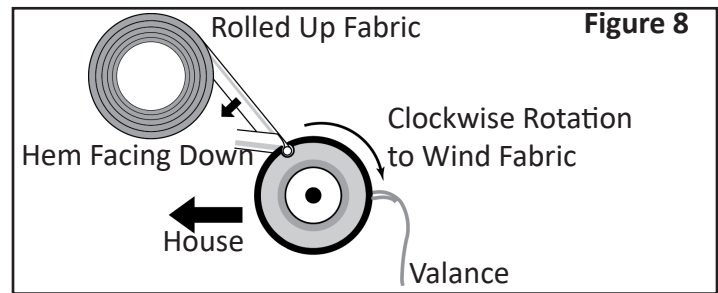
22. Slide the Valance the rest of the way onto the Roller Bar until it stops at the other end.

23. Insert another Fabric Stop, with the larger end toward the Gray Cord, into the same Slot until it rests on the edge of the Valance. Tighten the Fabric Stop with the supplied Allen wrench.

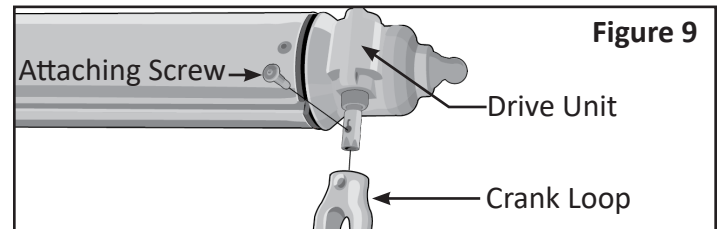


24. **With your Helper**, hold the Roller Bar from both ends. Lift the Roller Bar to about waist height. Rotate the Roller Bar in a direction away from the house so that the Fabric and the Valance roll up around the Roller Bar, **until the last 16 to 20 inches of Fabric hangs freely**.

**CAUTION:** The Hem of the Fabric Must be Rolling on the Inside and NOT Facing Up. See **Figure 8**.



25. Locate the Crank Loop and Attaching Screw in your package. Place the Loop onto the Shaft extending from the Drive Unit and secure with the Attaching Screw. See **Figure 9**.



## Positioning the Awning Rail on the House

26. Determine the location of the Awning and the Awning Rail mounting height, above the patio.

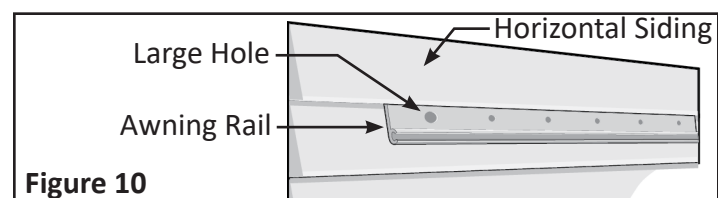
The Awning Rail should be mounted **1" below any obstruction**; 2" if using the Floor Mount feature (see **Page 16**) and **as high above the patio** as possible, with a **recommended height of 9'** to the top edge of the Awning Rail (9'6" if installing the Screen Room), to maximize the Pitch of the Awning.

If you are installing your Awning **above doors and windows that swing out** or other obstructions, the Awning Rail must be installed a minimum of 4" above the actual door or window (not trim or brick-mold).

The Awning can be mounted **as low as 7' for 1000xt** and **as high as 10'** above the deck or patio.

For wood siding installation, locate the Awning Rail parallel to, and at the top course, of Horizontal Siding. See **Figure 10**.

**Note:** Siding may not be perfectly horizontal or parallel to the patio. If siding is not level, adjust the Mounting Rail to be level.





**Note:** In the following steps you will temporarily install the Awning Rail to assist in marking the Mounting Hole Locations.

**27.** Measure up from the patio on one side and make a mark at the desired mounting location.

**28.** Using a chalk line or a string, snap a level line the length of the Awning. For siding installation, use the siding edge as the reference line if the siding is level.

**29. Note:** Installation procedures are provided that cover different mounting surfaces, review the procedures (Type I, Type II and Type III) and select the one that matches your mounting surface.

### Type I Installation

For **WOOD SIDING and VINYL or ALUMINUM SIDING WITH WOOD SHEATHING BEHIND IT.** If you are not sure about having wood sheathing, follow Type II installation.

**I-1.** Using the Awning Rail as a template, align the upper edge of the Awning Rail with the Siding edge or chalk line, and **mark screw holes** at both ends and in the middle of the Awning Rail.

**I-2.** Drill  $\frac{1}{8}$ " pilot holes. With the Long Awning Rail Screws provided, temporarily install one screw in the middle and one on each end of the Awning Rail.  
**CAUTION:** To prevent wood siding from cracking, drill a clearance hole for the screws through the wood siding only, using a  $\frac{3}{16}$ " drill bit.

**I-3.** Mark remaining Mounting Holes while the Awning Rail is aligned with the chalk line.

**I-4.** Mark the Mounting Hole Location for the Upper Bracket (single Large Hole in the end of the Awning Rail) and drill a pilot hole 3" deep for the  $\frac{1}{4}$  x 3" Lag Screw using a  $\frac{3}{16}$ " drill bit (see **Figure 10**). Repeat this procedure for the other side.

**I-5.** Remove the Awning Rail from the house and drill  $\frac{1}{8}$ " pilot holes at marked locations.

**CAUTION:** To prevent wood siding from cracking, drill a clearance hole for the screws through the siding only, using the following:  $\frac{3}{16}$ " drill bit for awning rail screws;  $\frac{5}{32}$ " drill bit for  $\frac{1}{4}$ " screws.

**Proceed to step 30 on page 6.**

### Type II Installation

For **VINYL or ALUMINUM SIDING and STUCCO WITHOUT WOOD SHEATHING BEHIND IT.** For other installations see Type I or Type III installations.

**Note:** For this type of installation, a 1" x 4" board (Pressure Treated Lumber) equal to the length of the Awning should be fastened to wall studs or other structural members. The Awning Rail and Upper Brackets will be mounted to that board. Pre-drill the board and wall as follows:

**II-1.** Make a mark at each end of the Board,  $\frac{3}{4}$ " down from the top edge (**Note:** This dimension is used to leave space to mount a SunSetter Cover).

**II-2.** Snap a straight line with a chalk line or string, the full length of the board,  $\frac{3}{4}$ " down from the top edge.

**II-3.** Align the top edge of the Awning Rail with the line on the board (See **Figure 11**).

**II-4.** Drill a  $\frac{1}{8}$ " pilot hole through one hole at one end of the Awning Rail, into the board (**do not use the large hole**).

**II-5.** Temporarily fasten the Awning Rail to the board with one short Awning Rail Screw in the End Hole.

**II-6.** Using the Awning Rail as a template, align it with the Snapped Chalk or String Line on the Board.

**II-7.** Drill pilot holes in the board at all other Hole Locations.

**II-8.** Mark the **Mounting Hole location for the Upper Bracket** (single Large Hole in the end of Awning Rail) and drill a  $\frac{3}{16}$ " pilot hole through the board for the  $\frac{1}{4}$ " x 3" Lag Screw. Repeat this procedure for the other side. See **Figure 11**.

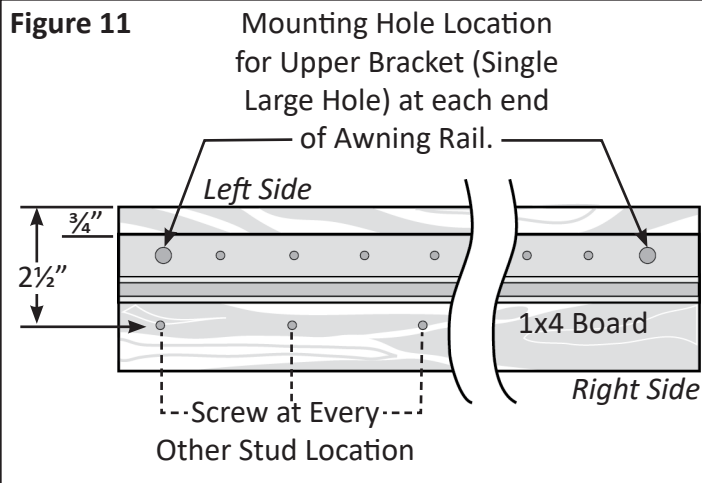
**II-9. Remove the Awning Rail from the board.**

**II-10.** Using a **Helper**, measure down 2 $\frac{1}{2}$ " from the top edge of the Board and mark mounting holes approximately every 32". These holes must align with the studs in the wall. See **Figure 11**.

**II-11.** Drill pilot holes through the Board at the marked locations using a  $\frac{5}{32}$ " drill bit.

**WARNING:** THE BOARD MUST BE ATTACHED TO THE WALL STUDS AND A STUD FINDER MAY BE REQUIRED. FAILURE TO DO SO COULD RESULT IN COLLAPSE OF THE AWNING AND CAUSE PERSONAL INJURY.



**Figure 11**

**II-12.** Using a Helper, position the board against the wall at the predetermined height, aligning the upper edge of the Board with the chalk line.

**II-13.** Using the Board as a template, drill  $\frac{3}{16}$ " holes 3" deep at the two End Mounting holes.

**II-14.** **Temporarily** fasten the Board with two 3" long Lag Screws.

**II-15.** With the Board fastened to the wall at both ends, use the Board as a template and drill  $\frac{3}{16}$ " holes 1 1/2" deep for the Upper Bracket mounting holes and for all the other Mounting Holes.

**II-16.** Remove the Board from the wall.

**II-17.** Paint or finish the Board if desired.

**II-18.** Using 3" long Lag Screws, fasten the Board to the wall.

**CAUTION:** Do not use the two Upper Bracket mounting holes (one per side) to mount the Board.

**Proceed to step 30, page 6.**

### Type III Installation

For **MASONRY**, including brick and cement block, but **NOT stucco**. For other installations, see Type I or Type II installations.

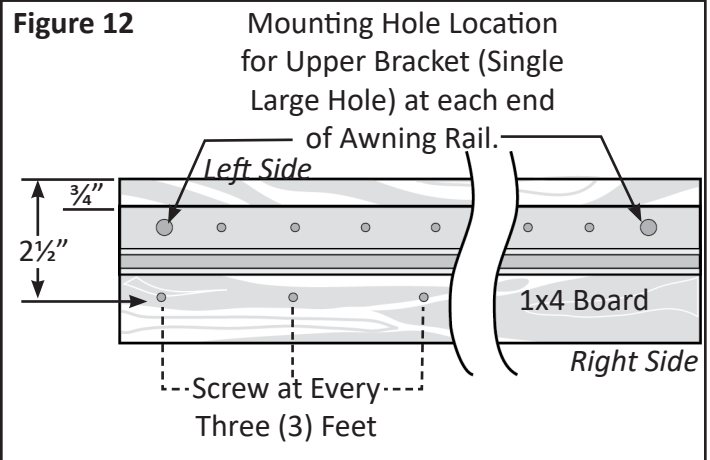
**Note:** For a masonry wall installation, a 1" x 4" (Pressure Treated Lumber) Board equal to the length of the Awning will be mounted to the house. The Awning Rail and Upper Brackets will be mounted to that board. Pre-drill the Board and wall as follows:

**III-1.** Measure down from the top of the Board  $\frac{3}{4}$ " (**Note:** This dimension is used to leave space to mount a Sunsetter cover) and make a mark at each end.

**III-2.** Snap a straight line with a chalk line or string, the full length of the Board,  $\frac{3}{4}$ " down from the top edge.

**III-3.** Align the top edge of the Awning Rail with the snapped line on the board. See **Figure 12**.

**III-4.** Drill a  $\frac{1}{8}$ " pilot hole through one hole at one end of the Awning Rail, into the Board (**do not use the large hole**).

**Figure 12**

**III-5.** **Temporarily** fasten the Awning Rail to the 1x4 Board with one short Awning Rail Screw in the end hole.

**III-6.** Using the Awning Rail as a template, align it with the line on the board.

**III-7.** Drill pilot holes in the Board at all other hole locations.

**III-8.** Mark the Mounting Hole location for the Upper Bracket (single Large Hole in the end of the Awning Rail) and drill a  $\frac{3}{16}$ " pilot hole through the Board for  $\frac{1}{4}$  x 3" Lag Screw. See **Figure 12**.

**III-9.** Place an Upper Bracket on the end of the Awning Rail, aligning the Top Hole of the Bracket with the Large Hole on the Awning Rail.

**III-10.** Mark the location of the Bottom Hole of the Bracket and drill a  $\frac{3}{16}$ " pilot hole through the board.

**III-11.** Repeat this procedure for the other side of the awning.

**III-12.** Remove the Awning Rail from the Board.

**III-13.** Using a Helper, measure down 2 1/2" from the top edge of the Board and mark Mounting Holes approximately 3 ft. apart. See **Figure 12**.

**III-14.** Drill  $\frac{5}{32}$ " pilot holes through the Board at the marked locations.

## Attaching the Support Arms to the Roller Bar and Securing the Awning Rail and Upper Brackets to the House

**III-15.** Using a Helper, position the board against the wall at the predetermined height, aligning the upper edge of the board with the chalk line.

**III-16.** Using the board as a template and with  $\frac{1}{4}$ " masonry bit, drill a pilot hole 3" deep into the wall at the two end Mounting Holes. **Note: Do not drill through the Upper Bracket Mounting Holes.**

**III-17. Remove the board.**

**III-18.** With a  $\frac{1}{2}$ " masonry bit, enlarge the pilot holes 1" deep.

**III-19.** Insert a  $\frac{1}{4}$ " lag shield masonry anchor into each of the two holes, large side out.

**III-20. Temporarily** fasten the board with two 3" long Lag Screws.

**III-21.** With the board fastened to the wall at both ends, using the board as a template, mark the wall at all hole locations, including the Upper Bracket Mounting Holes.

**III-22. Remove the board from the wall.**

**III-23.** Drill clearance holes 3" deep into the wall with a  $\frac{1}{4}$ " masonry bit for all holes.

**III-24.** With a  $\frac{1}{2}$ " masonry bit, enlarge the mounting holes only (not the upper bracket holes) to 1" deep. Insert a  $\frac{1}{4}$ " lag shield into each of the mounting holes, large side out.

**III-25.** Paint or finish the board if desired.

**III-26.** Using 3" long Lag Screws, fasten the board to the wall.

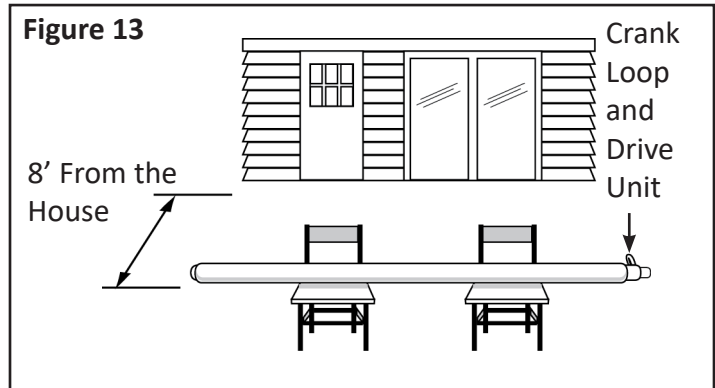
**CAUTION: Do Not Use the Upper Bracket Mounting Holes (two per side).**

**WARNING: SOME BRICK WALLS MIGHT NOT BE STRONG ENOUGH TO SAFELY SUPPORT AN AWNING. WE SUGGEST TO CONSULT A LOCAL HANDYMAN OR CONTRACTOR FOR PROPER MOUNTING. FAILURE OF THE WALL TO SUPPORT AN AWNING COULD RESULT IN COLLAPSE OF THE AWNING AND CAUSE PERSONAL INJURY.**

Proceed to step 30, next column.

**30.** Unpack the Arms from the shipping carton.

**31.** Place the Roller Assembly on the Chairs, with the Drive Unit on the Right, approximately 8 feet away from the House. See **Figure 13**.



**32. Orient the Roller Bar so that the Crank Loop is pointing slightly downward, TOWARD the House.**

**33.** Insert a Cream Boot over the end of the Roller Bar as shown in **Figure 14**.

**34.** Remove the **LEFT** Arm and Rafter Assembly from the **CLEAR PLASTIC SLEEVE** and position them so that the Open Channels are facing up.

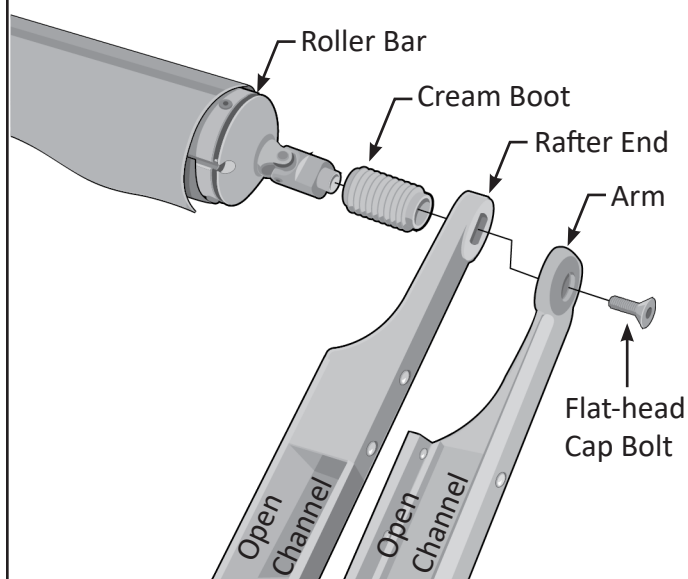
**Note: The RIGHT Arm and Rafter Assembly is in the RED PLASTIC SLEEVE.**

**35.** Assemble the **LEFT** Arm and Rafter to the Roller Bar with the Lift Handle facing the middle of the Awning and the bottom of the Arm pointing towards the house. See **Figure 15**.

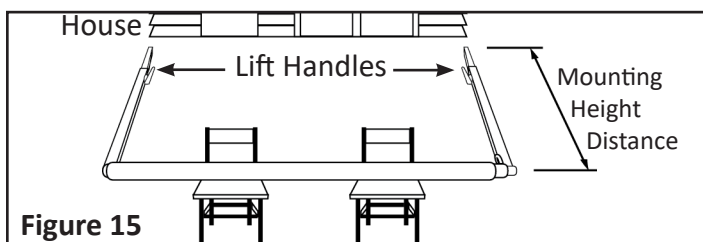
**36.** Secure the Arm and Rafter to the Roller Bar with the  $\frac{3}{8}$  x  $\frac{7}{8}$ " Flat-head Cap Bolt. See **Figure 14**. Tighten with the supplied  $\frac{7}{32}$ " Allen Wrench. **Note: The Cap Bolt is not fully seated in the Arm Assembly; this condition is normal and allows the Arm Assembly to rotate freely during opening/closing functions.**

**Note: The Rafter should be laying on top of the Arm, not below the Arm.**

**Figure 14 - Left Roller Bar End Connection**

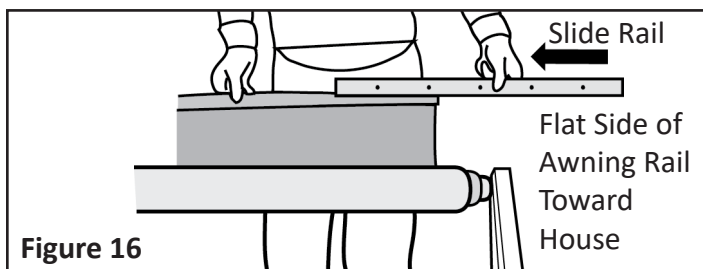


**37.** Remove the **RIGHT** Arm and Rafter Assembly from the **RED PLASTIC SLEEVE** and repeat the process for the right side.



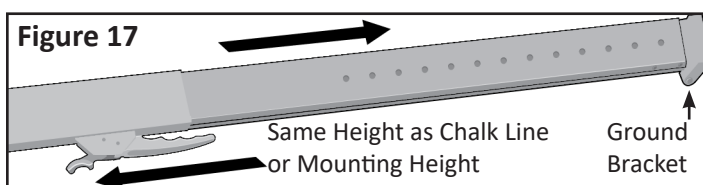
**Figure 15**

**38.** Make sure that 16"-20" of Fabric hangs free from the Roller Bar. Slide the Awning Rail onto the Fabric from either end, with the Flat Side of the Rail toward the House. See **Figure 16**.



**Figure 16**

**39.** Lift the Handle and press the Thumb Latch on the Lift Handle and extend the Inner Arms down from the Outer Arms. See **Figure 17**. Be sure they are locked in place so that the total length between the Roller Bar and Ground Brackets are approximately the same as the height of the chalk line or Mounting Height. See **Figure 15**.



**Figure 17**

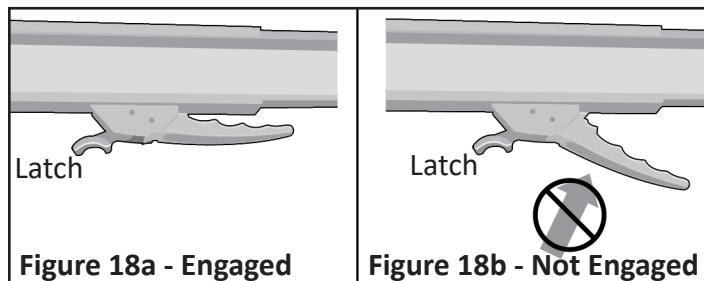
**CAUTION:** Be sure that the Latch on the Lift Handle is fully engaged in a Square Hole on the Inner Arm after you raise or lower the Arms.

The Lift Handle will retract back towards the Outer Arm without assistance when the Latch is fully engaged in a Square Hole.

Do not force the Handle closed as this will cause damage to the Lift Handle Assembly. Simply raise or lower the Arm slightly so the Latch engages a hole.

Figure 18a shows a correctly engaged Lift Handle.

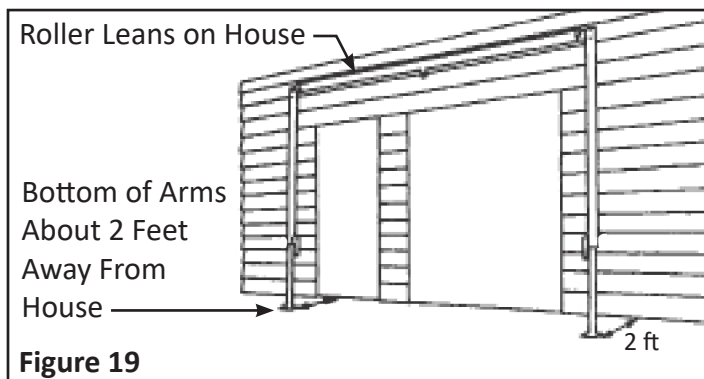
Figure 18b shows an incorrectly engaged Lift Handle.



**Figure 18a - Engaged**

**Figure 18b - Not Engaged**

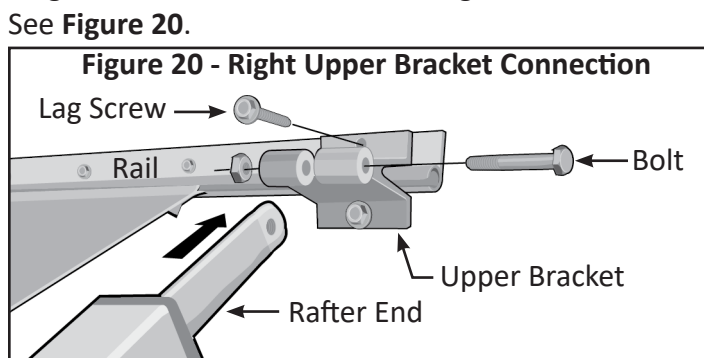
**40.** Using a Helper, place the bottoms of the Arms about (2') two feet from the base of the wall and allow the Roller to lean against the house. See **Figure 19**.



**Figure 19**

**41.** Fasten the Awning Rail to the wall, or to the 1 x 4" Board, using the previously drilled holes, with the Long Awning Rail Screws (without wood board installation) or Short Awning Rail Screws (with wood board installation).

**42.** Align the hole in the Upper Bracket with the single Large Hole in the end of the Awning Rail. See **Figure 20**.



**Figure 20 - Right Upper Bracket Connection**

**43.** Secure one of the Upper Brackets to the wall with a  $\frac{1}{4}$ " x 3" Lag Screw and tighten in the center of the Slot in the Bracket.

**44.** Drill a  $\frac{3}{16}$ " hole  $2\frac{1}{2}$ " deep through the Bottom Hole in the Upper Bracket and secure with another  $\frac{1}{4}$ " x 3" Lag Screw. Repeat for the Upper Bracket on the other end of the Awning Rail (slotted holes in the Bracket allow for realignment if necessary). **Note:** If you used the masonry Type III Installation Process, these holes were previously drilled.

**45.** Position one of the Rafter Ends in-between the slot in the Upper Bracket and secure with the supplied  $\frac{1}{4}$ " x  $2\frac{1}{4}$ " Hex-bolt and nut. See **Figure 20**.

Repeat this process for the other side.

## Securing the Wall Brackets to the House

**WARNING:** THE WALL BRACKETS ARE USED TO SUPPORT THE ARMS IN THE CLOSED POSITION OR WHILE USING THE AWNING WITH THE ARMS IN THE ANGLED POSITION. THESE BRACKETS ARE DESIGNED TO BE INSTALLED ON A VERTICAL SURFACE, SUCH AS THE WALL OF THE HOUSE. INSTALLING THE WALL BRACKETS ON A HORIZONTAL PLATFORM, SUCH AS THE DECK OR PATIO FLOOR, COULD RESULT IN PERSONAL INJURY WHILE OPENING OR CLOSING THE AWNING OR WHILE USING THE ARMS IN THE ANGLED POSITION. IF THERE IS NO VERTICAL SURFACE IN YOUR APPLICATION TO SUPPORT THE ARMS IN THE CLOSED POSITION, REFER TO PAGE 17 IN THIS BOOKLET FOR FURTHER INSTRUCTIONS ON USING THE FLOOR MOUNT FEATURE.

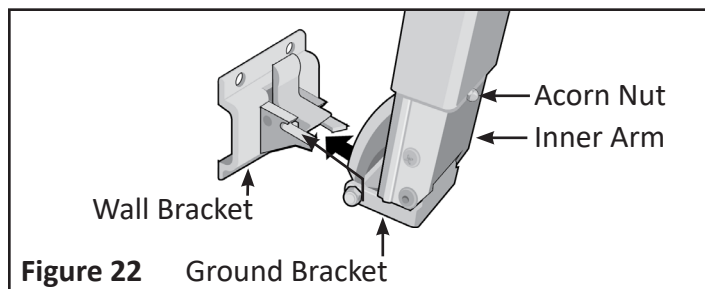
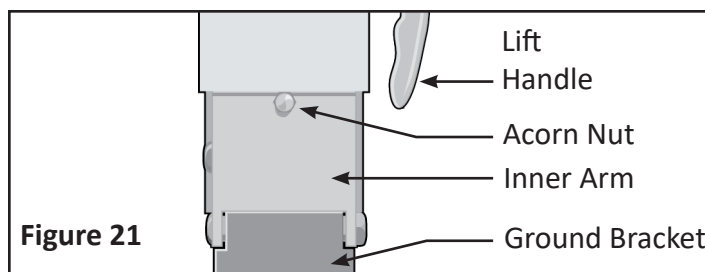
**WARNING:** BE CAREFUL THAT THE AWNING DOES NOT FALL WHILE SECURING THE WALL BRACKETS.

**46.** Using the Hand Crank Wand, roll up the Awning until the Fabric is fully rolled up against the House.

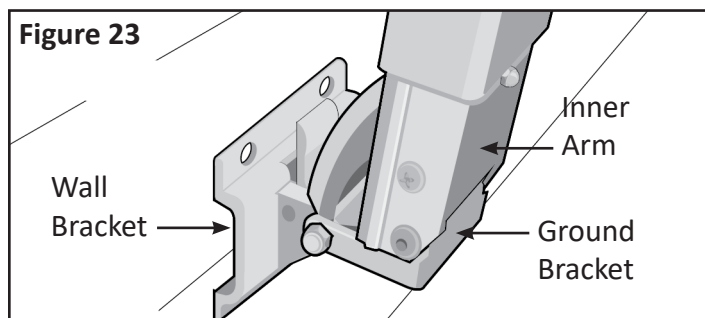
**47.** Lift the Handle and press the Thumb Latch on the Lift Handle and slide the Inner Arm into the Outer Arm **until it stops on the Existing Acorn Nut Stop** at the bottom of the Inner Arm. See **Figure 21**.

**Note:** Two more sets of Round Head Screws and Acorn Nuts have been provided, and will be installed in Step 56.

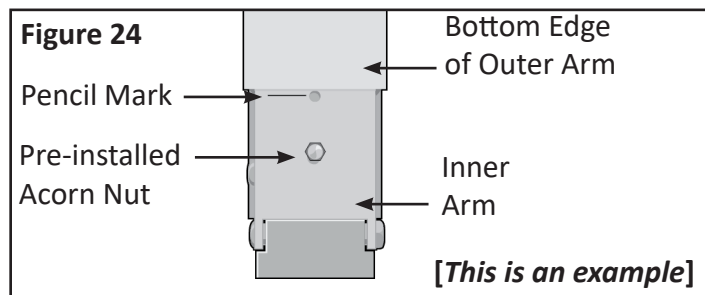
**48.** Locate a Wall Bracket from the Hardware Box and latch it onto the Ground Bracket. See **Figure 22**.



**49.** Each Wall Bracket must sit uniformly on the wall/siding and there must be the same amount of holes showing on the front of the Inner Arms. If necessary, extend the Inner Arms down one hole at a time until the Wall Brackets sit uniformly on the siding. See **Figure 23**.



**50.** With a pencil, make a mark next to the hole OR pre-installed Acorn Nut on the face of the Inner Arm that is right below the Bottom Edge of the Outer Arm. See **Figure 24**.



**CAUTION:** Make sure that the Latch on the Wall Bracket has full range of motion.

**51.** Make sure that the Outer Arm remains pushed against the house and the bottom of the Inner Arm remains pushed up. Plumb the Arm with a level.

**52.** Mark the three Mounting Holes using the Wall Bracket as a template and detach the Wall Bracket from the Arm.

**53.** Drill pilot holes 3" deep using a  $\frac{3}{16}$ " drill bit. Fasten the Wall Bracket to the House with 3" Long Lag Screws. Attach the Arm to the Wall Bracket on the house.

**Repeat these steps for the other Arm.**

**CAUTION:** To prevent wood siding from cracking, drill a clearance hole through the siding only with a  $\frac{5}{32}$ " drill bit.

**Note:** For vinyl or aluminum siding and stucco without wood sheathing behind, a support board for each Wall Bracket is necessary.

**Note:** For masonry installation, plumb the Arms with the level, locate the holes using the Wall Brackets as templates, and drill holes 3" deep with a  $\frac{1}{4}$ " masonry bit. Enlarge the holes with a  $\frac{1}{2}$ " bit 1" deep and insert a  $\frac{1}{4}$ " lag shield.

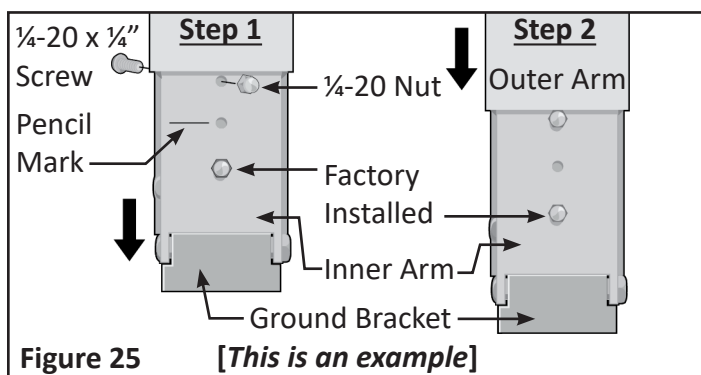
**54.** Using the Hand Crank, unroll the Awning approximately (3') three feet from the house.

**55.** Operate the Lift Handle and raise the Arm about (2") two inches.

**56. Important:** On the next hole above the hole or the Pre-installed Acorn Nut that you marked with the pencil in **Step 50**, **place a second  $\frac{1}{4}$ -20 x  $\frac{1}{4}$ " screw** (supplied) through the round hole from the back of the Arm. See **Figure 25**, step 1. **Attach an Acorn Nut** to the front of the Inner Arm and tighten with a  $\frac{7}{16}$ " wrench.

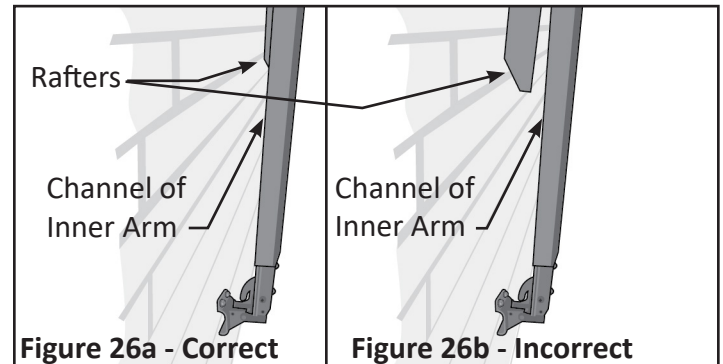
**57.** Lower the Arm to the new Acorn Nut Stop. See **Figure 25**, step 2.

**Repeat these steps for the other arm.**



**Note:** The Rafters should nest (fit) completely within the Channels of the Inner Arms when closed, and after Step 57 has been completed. See Figure 26a.

If your Rafters look as shown in Figure 26b, review Steps 49 through 57, which is the installation and placement of the Second Acorn Screw and Nut.



**58.** Adjust the Fabric as follows:

**Note:** This step is important because the fabric must be permanently secured to the Awning Rail. This will ensure that the Fabric rolls up properly on the Roller Bar. Without securing the Fabric as described, the Fabric will shift left and right in the Rail. This will cause the Fabric to roll up unevenly. If your Awning is mounted with an obstruction on the top, install this screw from the bottom.

**58a.** Using the Hand Crank Wand, roll the Awning out to waist height and roll back several times. Refer to the supplied Operation and Maintenance Manual if you need guidance. If necessary with the Rafters unlocked, shift the Fabric left and right in the Awning Rail until it rolls straight up and down.

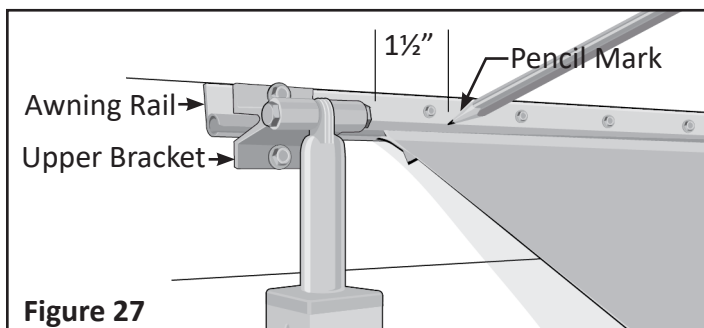
**58b.** With the Fabric rolled out about 2 feet, measure in from the left end of the Fabric  $1\frac{1}{2}$ " and make a Pencil Mark on the Rail. See **Figure 27**.

**58c.** Center-punch the Awning Rail at this location. See **Figure 28**.

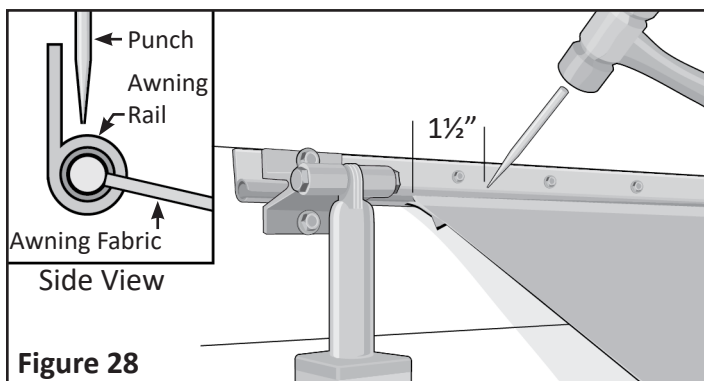
**58d.** Drill a  $\frac{1}{8}$ " hole at the location and secure with the supplied #8 x  $\frac{1}{2}$ " Screw.

**CAUTION:** Be careful not to slip and damage the Fabric.





**Figure 27**

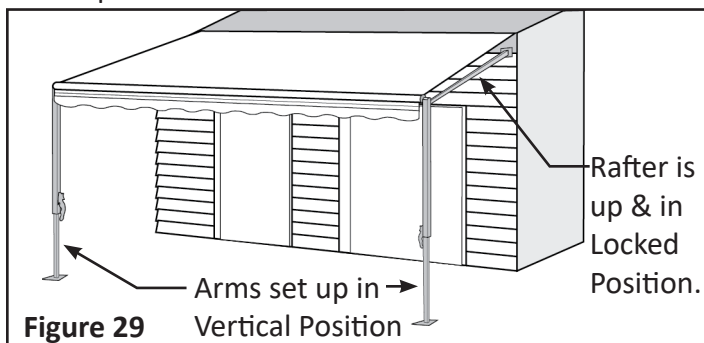


**Figure 28**

Installation of your Awning for operation in the Angled Position is now complete. Test your Awning for proper operation. If you prefer or your application requires operation in the Vertical Position, please install Deck Plates, as follows:

## To Install Deck Plates for Optional Vertical Position Use

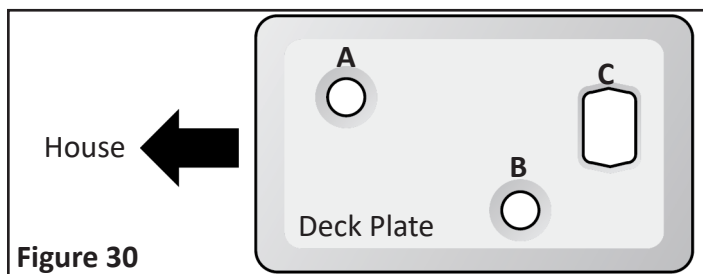
**59.** Following the Homeowner's Operation and Maintenance Manual, set the Awning up in the Vertical Position. See **Figure 29**. Be sure the Fabric is fully extended and both Rafters pushed 'up' in the locked position.



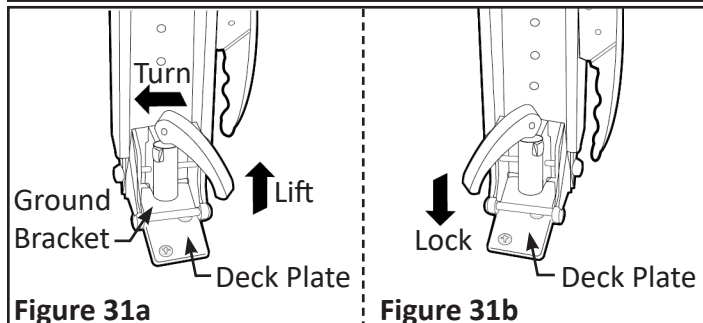
**Figure 29**

**60.** Using a Deck Plate as a template, position it on the bottom of the Ground Bracket making sure that hole "C" is facing **AWAY** from the house. See **Figure 30**.

**61.** Secure the Ground Bracket to the Deck Plate by lifting the Ground Bracket Handle and rotating it clockwise approximately ¼ turn until it locks. See **Figure 31a** and **Figure 31b**.



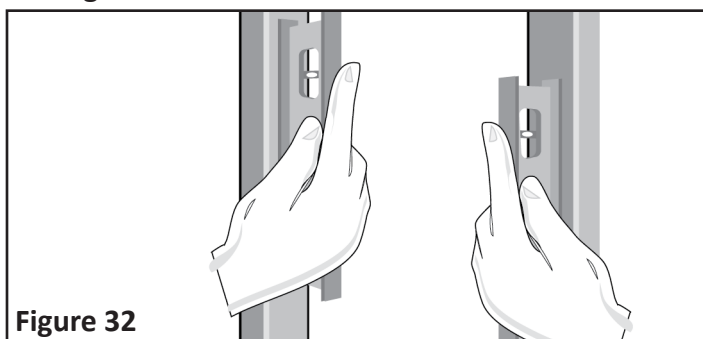
**Figure 30**



**Figure 31a**

**Figure 31b**

**62.** Level the Arm both front to back and left to right. See **Figure 32**.



**Figure 32**

**63.** Mark the center of holes A and B of the Deck Plate (see **Figure 30**) with a small punch or pencil. (A thin marker may work better for masonry applications).

**64. Repeat these steps for the other arm.**

**65. FOR WOOD DECKS:** Drill ⅜" pilot holes, at points A and B, 1½" deep for each of the two mounting Screws on each plate. See **Figure 30**.

**FOR MASONRY PATIOS:** Drill ⅝" pilot holes at points A and B, 1½" deep for each of the two #14 Plastic Anchors. See **Figure 30**. Install the Anchors with a hammer being careful not to collapse the Anchors.

**66.** Remove the Deck Plate from the Ground Brackets. Place the Deck Plate over the Holes that you just drilled and align them with holes A and B in the Deck Plate. Mark the center of hole C and remove the Deck Plate.

**Repeat this step for the other side.**

**67.** Drill a clearance hole (one per plate) at point C, ⅜" deep using a ⅝" drill bit. Make sure to clean out the holes.

**68.** Place the Deck Plates over the Mounting Holes and install the plates with the supplied #14 stainless mounting screws.



## CARE AND MAINTENANCE OF YOUR SUNSETTER AWNING

The Awning Fabric and the structure are not designed to support the load of water pooling on the Fabric or excessive windy conditions.

**WARNING: YOU MUST PREVENT RAIN WATER FROM ACCUMULATING OR POOLING ON THE FABRIC! FAILURE TO DO SO MAY RESULT IN THE COLLAPSE OF THE STRUCTURE, WHICH COULD CAUSE PERSONAL INJURY!**

**TO PREVENT RAIN WATER FROM ACCUMULATING AND POOLING ON THE FABRIC**, you must lower or raise an Arm on one side of the Awning to allow the rain water to run off (creating enough drop, front to back or left to right). See **Figure 33** and **Figure 34**.

Damage to the Awning Fabric, Arms and Mechanism caused by water pooling or windy conditions, is not covered by the manufacturer's product warranty.

**Note: Optional Rain-Away-Arches help prevent water from accumulating on the Fabric. To purchase Rain-Away-Arches call our sales department at 800-670-7071.**

**WARNING: IF INSTALLING RAINAWAY-ARCHES AND LOWERING ONE ARM IS NOT ENOUGH AND WATER STILL ACCUMULATES ON THE FABRIC, YOU MUST FULLY RETRACT YOUR AWNING AGAINST THE HOUSE. FAILURE TO DO SO MAY RESULT IN THE COLLAPSE OF THE STRUCTURE, WHICH COULD CAUSE PERSONAL INJURY.**

**WARNING: IF WATER HAS ACCUMULATED ON YOUR AWNING FABRIC, DO NOT STAND UNDER THE AWNING OR POKE AT THE FABRIC. FOLLOW THE PROCEDURE ON PAGE 20 TO SAFELY DRAIN THE WATER FROM THE FABRIC.**

### WHEN LEAVING THE AWNING UNATTENDED:

**To prevent water from accumulating and pooling on the Fabric**, you must set the Awning with at least one Arm angled back to the Wall Bracket, and lower that Arm to create enough drop (front to back) and allow rain water to run off.

**WARNING: WHEN THE WEATHER FORECAST IS UNCLEAR, AND COULD POSSIBLY BE STORMY, THE AWNING MUST BE RETRACTED COMPLETELY AGAINST THE HOUSE WHEN UNATTENDED.**

## PROTECTING THE SUNSETTER FABRIC FROM MILDEW

If it is necessary to roll the Awning up wet, be sure to roll it out to dry when the weather is better. While the Vinyl Awning Fabric itself will not mildew, mildew can form on the dust and dirt allowed to accumulate on the Fabric. If the Fabric is rolled up and stored when wet, the moisture will promote the formation of mildew. **Do not use caustic cleaners.**

## CLEANING THE FABRIC

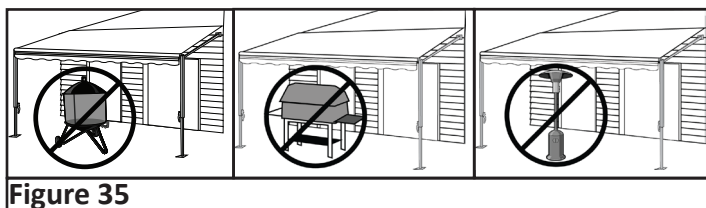
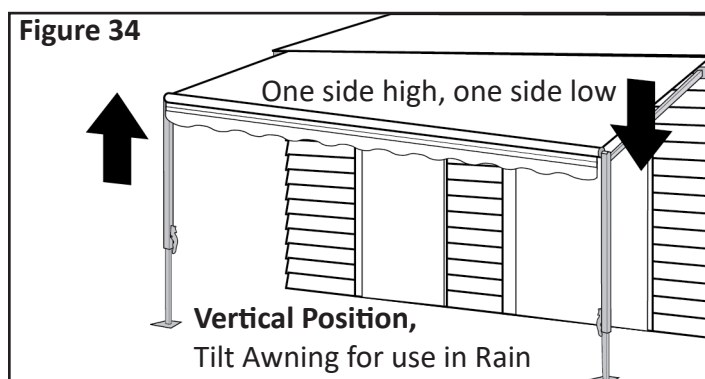
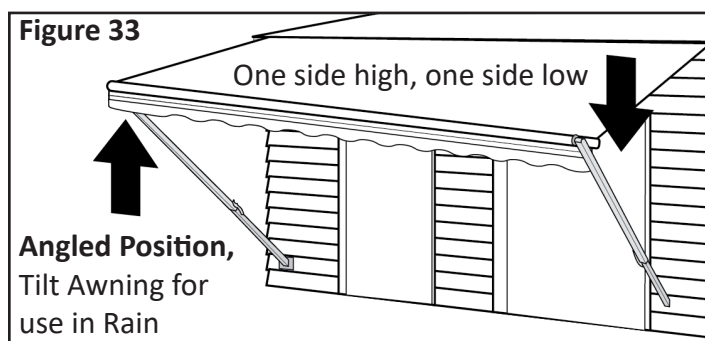
Cleaning the Awning regularly will extend the life of the Fabric and prevent the formation of mildew.

Call **800-670-7071** to order a SunSetter Cleaning and Maintenance Kit.

## FOR EASE OF OPERATION

If it becomes difficult to raise and lower the Awning height, apply some common household lubricant to the small tracks on the inside of the Outer Arms.

**CAUTION: NEVER USE A BARBECUE GRILL, ANY TYPE OF PATIO HEATER OR FIREPLACE UNDER YOUR SUNSETTER AWNING. SEE FIGURE 35.**



## TROUBLESHOOTING

IF...	THEN...
Awning won't roll down after it was just installed...	Check to see that the Arms are adjusted properly using the supplied Acorn Nuts ( <b>Review Steps 49 through 57</b> ).
Fabric not rolling straight when opening or closing the Awning...	<ol style="list-style-type: none"> <li>1. Check that the Fabric was tacked to the Awning Rail (<b>Review Step 58</b>).</li> <li>2. Roll the Awning out, unlock the Rafters and loosen the Fabric Stop with the supplied <math>\frac{5}{64}</math>" Allen Wrench.</li> <li>3. Shift the Fabric in the Roller Bar to adjust the squareness of the Fabric.</li> <li>4. Tighten the Fabric Stop with the supplied <math>\frac{5}{64}</math>" Allen Wrench.</li> </ol>
One Arm stays against the house when I roll the Awning down...	<ol style="list-style-type: none"> <li>1. Check to see that the Fabric is tacked (<b>Review Step 58</b>).</li> <li>2. Check that the Arms are plumb.</li> <li>3. Check that the Rafters are centered behind the Arms when the Awning is rolled up.</li> <li>4. Check that the Arms are adjusted properly using all four of the supplied Acorn Nuts (<b>Review Steps 49 through 57</b>).</li> </ol>
Awning Rail was bent in shipping...	The Awning Rail can be straightened by using a wooden dowel. Call <b>800-670-7071</b> for a replacement Rail section if necessary.
Awning has dirt and/or mildew on the Fabric...	The Awning was not properly cleaned or was left rolled up wet for a long period of time. Please call <b>800-670-7071</b> to order a <b>SunSetter</b> Cleaning/Maintenance Kit.
Awning is difficult to raise in the angled position...	Apply some common household lubricant to the Arms to reduce friction on Inner Arms.
Fabric has been damaged...	Call for a Vinyl Repair Kit.
Roller Bar/Crank Loop is oriented wrong way...	Review steps in "Attaching the Support Arms to the Roller Bar and securing the Awning Rail and Upper Brackets to the house" on <b>Page 6</b> .
If water has accumulated or pooled on the Fabric....	Follow the instructions on <b>Page 20</b> to SAFELY DRAIN RAIN WATER FROM THE AWNING FABRIC.
Fabric wrinkles when the Awning is opened/closed...	<p>The Awning Fabric has a hem along both ends of the material; some wrinkling is a characteristic of the extra thickness along either edge. This wrinkling may be more noticeable when retracted and after prolonged periods when the Awning is not used. This condition is normal.</p> <p>Leaving the Awning open in warm weather should minimize the wrinkling over a period of time.</p>
Rafter Assemblies are rubbing against wall and/or not retracting fully when the Awning is in the closed position	Ensure that two(2) Acorn Nuts are installed on each Inner Arm. ( <b>Review Steps 49 through 57</b> ).
When opening or closing the Awning the Drive Unit binds, skips or spins freely.	The Drive Unit gears may have been stripped or damaged during operation. Please call <b>800-670-7071</b> for possible replacement.
My Awning has been heavily damaged by a severe storm.	<p>We can help you replace the parts that were damaged.</p> <p>Please refer to the <b>XT Awning Parts View</b> figure on <b>Page 14</b> and identify the parts that need replacing. In some cases pictures of the awning damage may be required. Do not dispose of any components until awning parts have been replaced by <b>SunSetter</b>.</p>

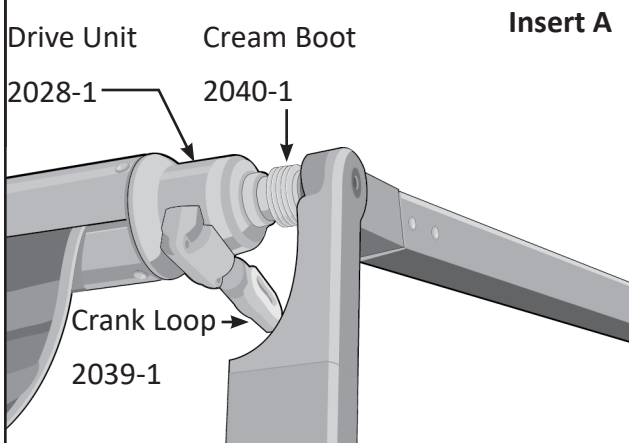
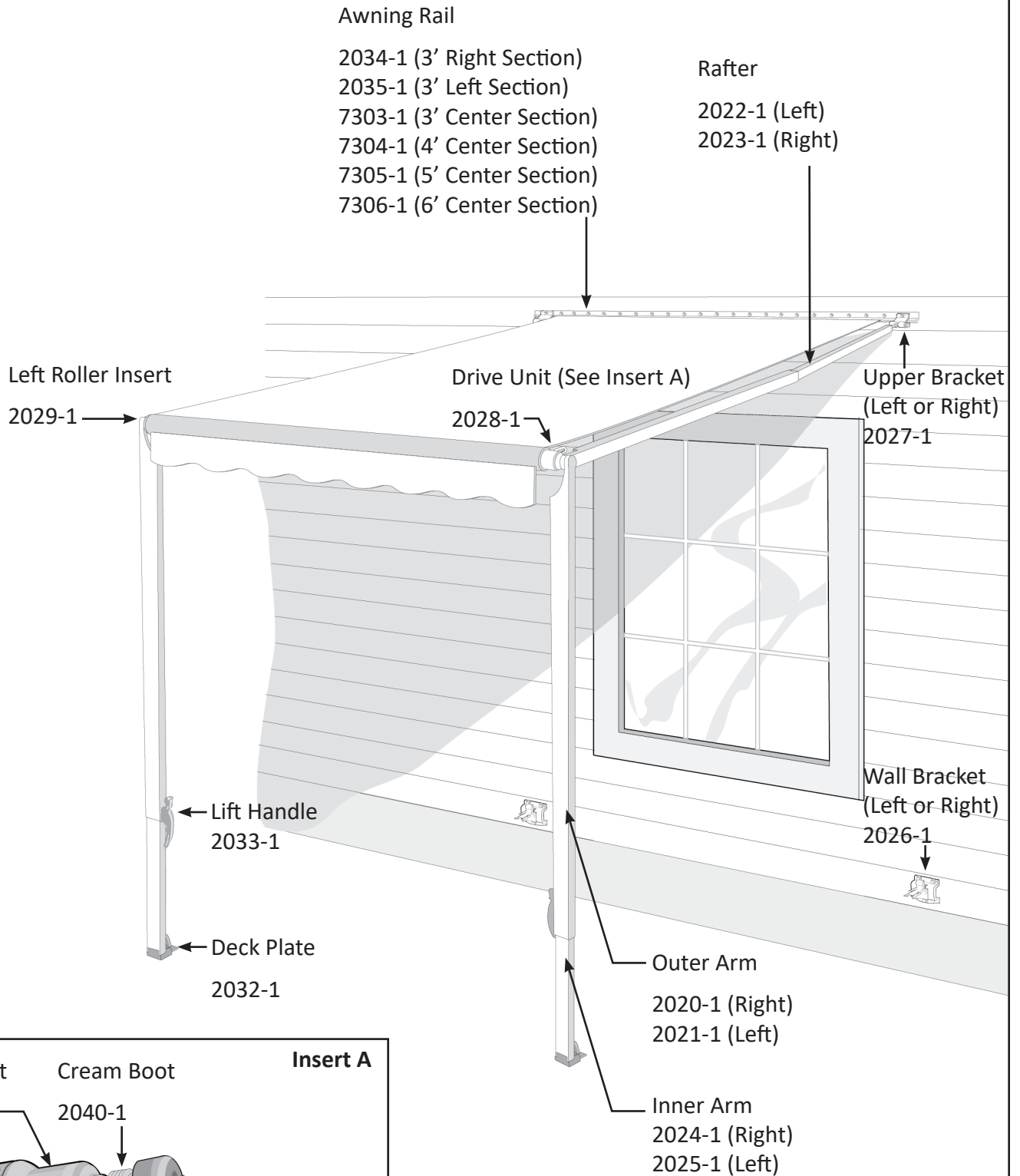
## AWNING PARTS LIST

2020-1	Right Outer Arm	2032-1	Replacement Deck Plate Kit
2021-1	Left Outer Arm	2033-1	Lift Handle Kit
2022-1	Left Rafter Assembly	2036-1	Short Awning Rail screws
2023-1	Right Rafter Assembly	2037-1	Long Awning Rail screws
2024-1	Right Inner Arm	4603-1	Hand Crank Wand
2025-1	Left Inner Arm	5555-1	Masonry attachment bag-lag shields only
2026-1	Wall Bracket	2038-1	Lag Screws- ¼ x 3"
2027-1	Upper Bracket	2039-1	Crank Loop with screw
2028-1	Drive Unit Assembly	2040-1	Cream Boot
2029-1	Left Roller Insert	2041-1	Lift handle rivets
2030-1	Flat head Bolts and Allen wrench	2043-1	Cream roller bar stickers
2031-1	Complete Fastener Kit	CALL	Replacement Fabrics w/valance (please call <b>800-670-7071</b> )

## OTHER ITEMS AVAILABLE

2034-1	3' Awning Rail section- Right side	CALL	Overhang Mounting Brackets
2035-1	3' Awning Rail section- Left side	2044-1	Floor Mount Deck Plate Kit
7303-1	Awning Rail 3' middle section	5335-1	Cream Touch Up Paint
7304-1	Awning Rail 4' middle section	7004-1	Vinyl Repair Kit
7305-1	Awning Rail 5' middle section		
7306-1	Awning Rail 6' middle section		

# XT AWNING PARTS VIEW



## INSTALLATION OPTIONS FOR OVERHANG OR LOW EAVES

### Minimum Mounting Height is 7' for 1000XT

If there is not enough clearance under an overhang, the Awning can be mounted to the fascia of the overhang. See **Figure 36**. The following are some low overhang mounting techniques, as well as options for mounting on the front or underside of a deep overhang.

Using the methods shown in **Figures 37** through **39** may require you to relocate the Wall Brackets as well. The Wall Brackets are normally placed in the same Vertical Plane as the Awning Rail and Upper Brackets. If the Awning Rail and Upper Brackets are more than 12" away from the house, the Wall Brackets must be adjusted away from the house as well. The Wall Brackets must be attached to a Vertical Plane (not horizontal) as shown in **Figures 36B and 36C**. If no Vertical Plane is incorporated, you should use the Floor Mount feature of the Ground Bracket. Refer to **FLOOR MOUNT FEATURE INSTALLATION INSTRUCTIONS** on **Page 17** in this booklet for further instructions on how to use the Floor Mount feature as shown in **Figure 36A**.

### Floor Mount / Wall Bracket Options

The hardware can be mounted to the deck or patio (**Figure 36A**), using the Floor Mount feature, utilizing the supplied Deck Plates. Flower boxes (**Figure 36B**) and benches can also be used to mount the Wall Brackets. Vertical posts can be mounted between the deck or patio and the underside of the overhang (**Figure 36C**).

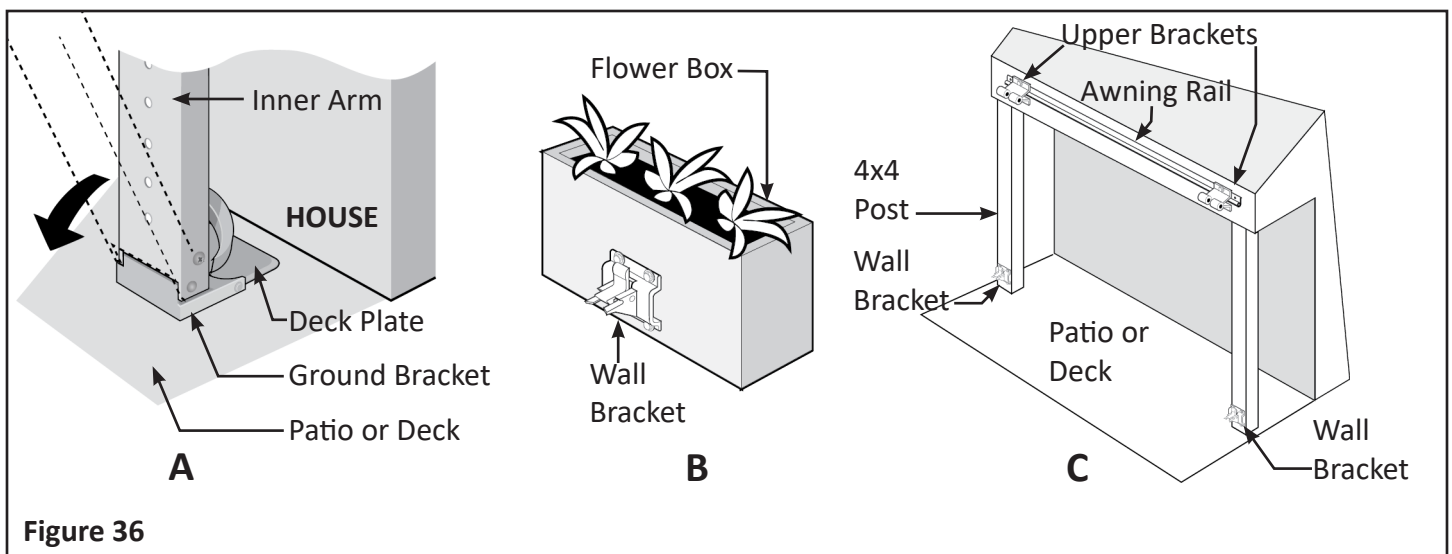


Figure 36

### Upper Bracket / Overhang Mounting Options

**Option 1** - Mounting the Awning Rail and Upper Brackets to the Fascia board. With a 1x4" Fascia board, the Awning can be mounted as in the instructions that come with the Awning. See **Figure 37**.

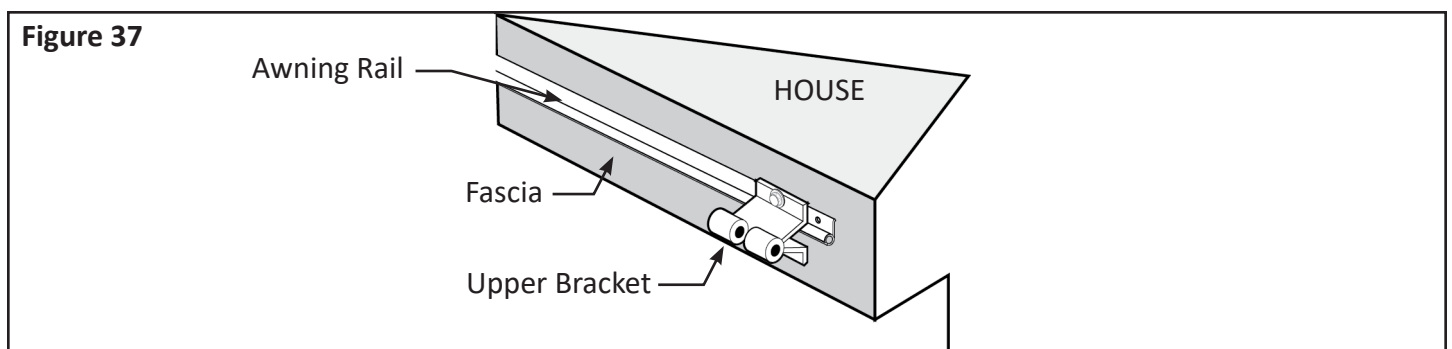


Figure 37

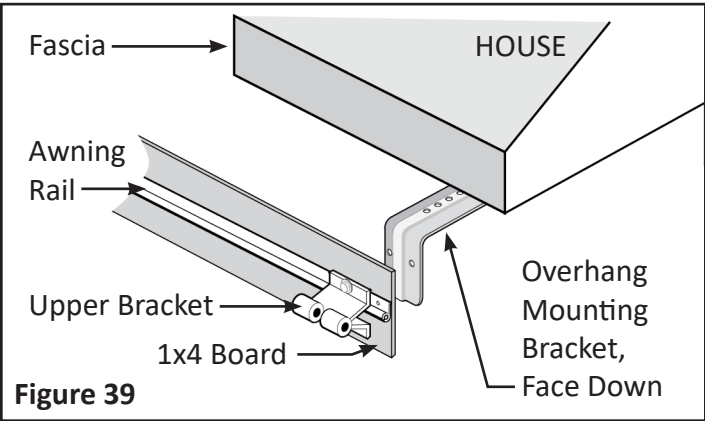
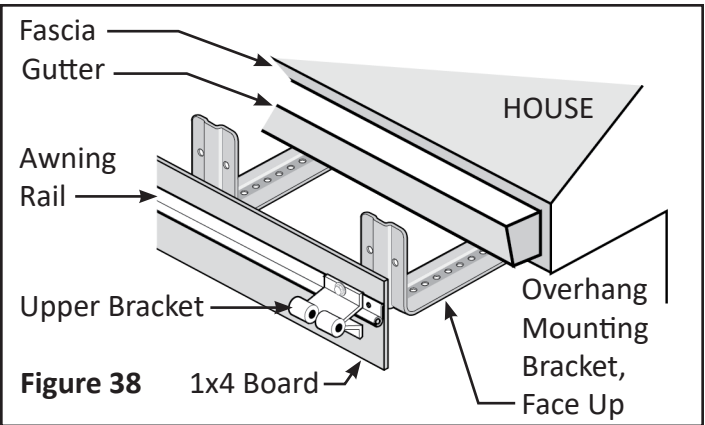
**Option 2** - With a gutter on the Fascia and no room for the Awning Rail or Upper Brackets, a Board can be mounted in front of the Gutter using our Overhang Mounting Brackets secured to the Rafters under the Overhang. The number of Brackets, which can be purchased separately, will vary according to the width of the Awning. See **Figure 38**.

**WARNING: THE OVERHANG MOUNTING BRACKETS MUST BE SECURELY FASTENED TO THE RAFTERS AND POSITIONED EVENLY ALONG THE BOARD. FAILURE TO DO SO MAY RESULT IN THE COLLAPSE OF THE STRUCTURE, WHICH COULD CAUSE PERSONAL INJURY.**

**Option 3** - The Awning can be mounted under an overhang if desired. A predetermined set of Overhang Brackets, (See **Table 1**) depending on the size of the Awning, must be purchased separately. A Board must be secured to the overhang so that the Awning is in the desired location. Remember to mount the Wall Brackets accordingly as noted in the Floor Mount / Wall Bracket Options section.

**WARNING: THE OVERHANG MOUNTING BRACKETS MUST BE SECURELY FASTENED TO THE RAFTERS AND POSITIONED EVENLY ALONG THE BOARD. FAILURE TO DO SO MAY RESULT IN THE COLLAPSE OF THE STRUCTURE, WHICH COULD CAUSE PERSONAL INJURY.**

**Note:** If mounting Upper Brackets to Facia or 1" x 4" Board using Overhang Mounting Brackets, you may choose to replace the supplied ¼" x 3" Lag Screws with shorter lag screws or machine bolts with washers/nuts (not supplied).



Overhang Mounting Brackets	
Awning Size	Number of Brackets
7'-8'	3
9'-11'	4
12'-14'	5
15'-17'	6
18'-20'	7

**Table 1**



## FLOOR MOUNT FEATURE - INSTALLATION INSTRUCTIONS

**TOOLS NEEDED:** Electric Drill, Phillips Screwdriver, Center Punch, Hammer, Pencil,  $\frac{1}{8}$ " &  $\frac{1}{4}$ " Drill Bits,  $\frac{7}{16}$ " Wrench, Small File.

For **wood decks:**  $\frac{3}{16}$ " &  $\frac{5}{8}$ " Drill Bits.

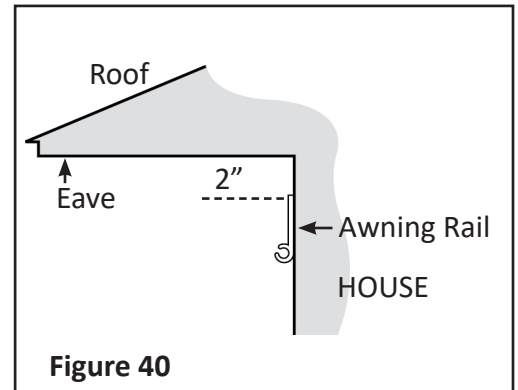
For **masonry patios:**  $\frac{5}{16}$ " &  $\frac{5}{8}$ " Masonry Drill Bits.

**PARTS ENCLOSED:** (2) Deck Plates, (4) #14 x  $1\frac{1}{4}$ " Phillips Screws, (4)  $1\frac{1}{2}$ " Plastic Anchors.

**WARNING:** FAILURE TO WEAR SAFETY GLASSES OR TO FOLLOW THE INSTRUCTIONS BELOW CAN RESULT IN PERSONAL INJURY!

**PLEASE NOTE THAT LEFT AND RIGHT REFERENCES ARE AS YOU ARE FACING THE HOUSE.**

Complete **Steps 1** through **25** in the SunSetter Awning Installation Instructions. In **Step 26** of the SunSetter Installation Instructions, the Awning Rail should be mounted 2" below an eave or any obstruction. See **Figure 40**. This is necessary as you may need the additional clearance while using the Floor Mount Feature. After determining your desired Mounting Height, complete **Steps 26** through **46** of the SunSetter Awning Installation Instructions and then complete the steps listed below.



**CAUTION:** Be Careful not to Allow the Awning to Fall During These Steps

**Step 1.** Attach a Deck Plate onto the end of the Ground Bracket and secure with the Ground Bracket Handle. See **Figure 41** and **Figure 42**. Make sure that hole 'C' in the Deck Plate is positioned away from the House. See **Figure 43**.

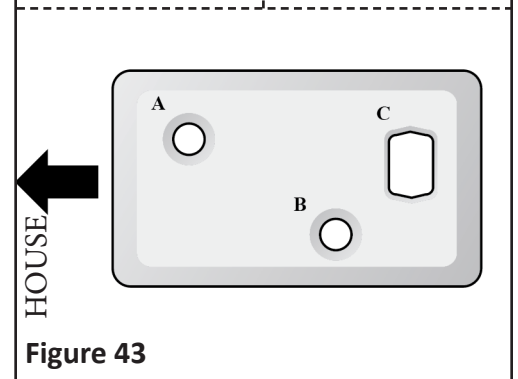
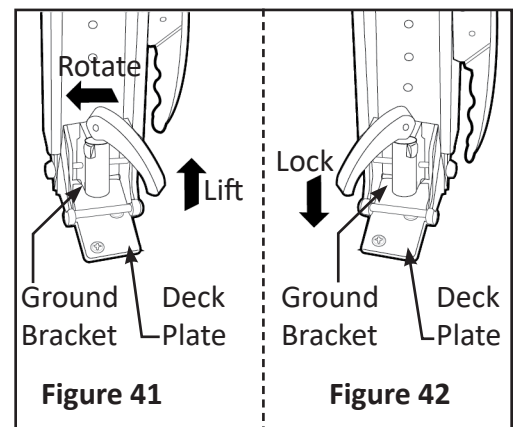
**Step 2.** Operate the Lift Handle and extend the Inner Arm until the attached Deck Plate contacts the deck or patio surface.

**Step 3.** Position the Arm so that the Ground Bracket is directly below the Upper Bracket and plumb the Arm left to right and front to back. **Note: IF THE UPPER BRACKETS ARE INSTALLED ON THE WALL, POSITION THE GROUND BRACKET AS CLOSE TO THE WALL AS POSSIBLE AND PLUMB THE ARM LEFT TO RIGHT.** Mark the center of holes A and B (See **Figure 43**) with a small punch or pencil. (A thin marker may work better for masonry patios). Mark the same locations for the other side. Move the Arms out of the way and have your helper secure them.

**Step 4. FOR WOOD DECKS:** Drill  $\frac{3}{16}$ " pilot holes, at points A and B,  $1\frac{1}{2}$ " deep for each of the two mounting screws on each plate. See **Figure 43**.

**FOR MASONRY PATIOS:** Drill  $\frac{5}{16}$ " pilot holes at points A and B,  $1\frac{1}{2}$ " deep for each of the two #14 Plastic Anchors. See **Figure 43**. Install the Anchors with a hammer being careful not to collapse the Anchors.

**Step 5.** Remove the Deck Plate from bottom of the Arm. Place the Deck Plate over the holes that you just drilled and align them with holes A and B in the Deck Plate. Mark the center of hole C and remove the Deck Plate. **Repeat this step for the other side.**



**Step 6.** Drill a  $\frac{5}{8}$ " clearance hole (one per plate) at point C,  $\frac{3}{8}$ " deep. Make sure to clean out the holes.

**Step 7.** Place the Deck Plates over the mounting holes and install the Plates with the supplied #14 stainless mounting screws. Place the Ground Brackets on the Deck Plates and secure them together using the Ground Bracket Handles.

**Step 8.** Be sure that the latch on the Lift Handle is fully engaged in a Square Hole inside of the Inner Arm. See **Figure 44**. If not, raise the Arm slightly so the latch engages in the next hole. You may need to unroll the Fabric slightly if you cannot raise the Arm easily. The Lift Handle will retract back towards the Outer Arm without assistance when the Latch is fully engaged in a Square Hole. **Do not force the Handle closed, as this will cause damage to the Lift Handle Assembly.** **Figure 45a** shows a correctly engaged Lift Handle. **Figure 45b** shows a Lift Handle that is engaged incorrectly.

**Step 9.** Make sure that both Inner Arms are extended the same amount from the Outer Arm. Adjust the Arms, if needed.

**Step 10.** Determine how you will use the Arms on your Awning.

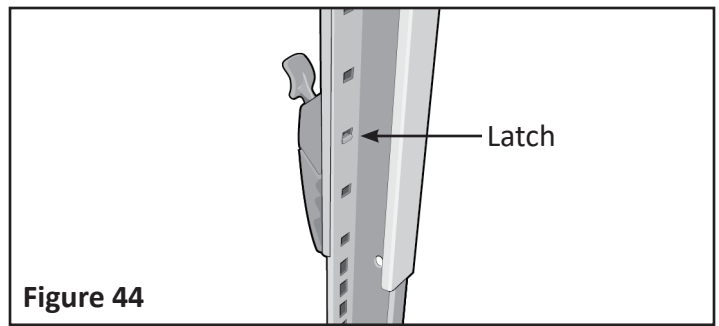
- Proceed to **Step 11a** if you will be using the Awning with either one or both Support Arms in the **Vertical** position.

- Proceed to **Step 11b** if you will be using the Awning with both Support Arms only in the **Angled** position.

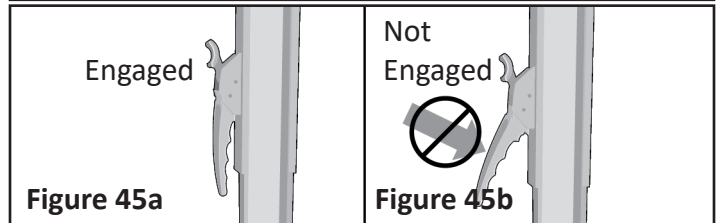
**Step 11a. FOLLOW THIS STEP IF YOU WILL BE USING THE ARMS IN THE VERTICAL POSITION.** On the inside of the Inner Arm, locate the hole that the Lift Handle Latch is currently engaged in. Make a mark next to this hole. This is necessary so that you will close the Awning at the same location each time. Repeat this step for the other Arm. Skip to **Step 16**.

**Step 11b. FOLLOW THIS STEP IF YOU WILL NOT BE USING THE ARMS IN THE VERTICAL POSITION.** Look

at the front of the Inner Arm. There should be a round hole either right below or right behind the bottom edge of the Outer Arm. See **Figure 46**. If there is, continue with this step. If there is not a hole in the location explained above, skip to Step 12 now. With a pencil, make a mark next to the round hole that is either below or right behind the bottom edge of the Outer Arm. See **Figure 46**. Operate the Lift Handle and extend the Inner Arm about 2" so that you have access to the back of the Arm. See **Figure 47**, Step 1. **On the next hole above the hole that you marked** with the pencil, place an extra  $\frac{1}{4}$ -20 x  $\frac{1}{4}$ " screw (supplied) through the round hole from the back of the Arm. See **Figure 47**, Step 1. Attach an extra Acorn Nut (supplied) to the front of the Inner Arm and tighten with a  $\frac{3}{16}$ " wrench. Lower the Arm to the new Acorn Nut stop. See **Figure 47**, Step 2. Repeat these steps for the other Arm. Skip to **Step 16**.

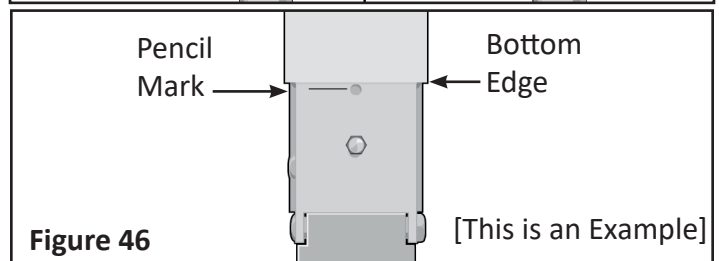


**Figure 44**

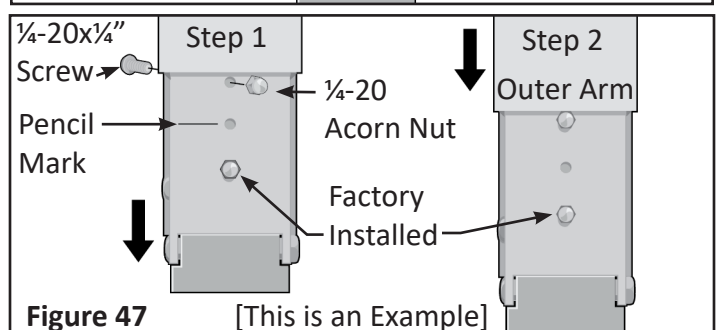


**Figure 45a**

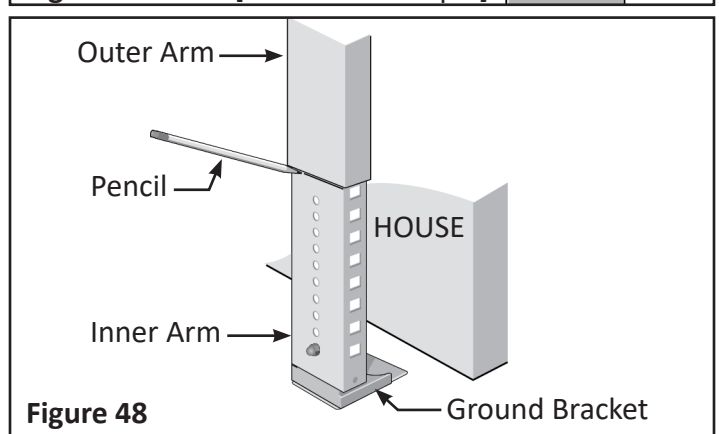
**Figure 45b**



**Figure 46**



**Figure 47**



**Figure 48**

**Step 12.** If there is no round hole right below or right behind the bottom edge of the Outer Arm, you must drill a hole for the Acorn Nut stop on the front of the Inner Arm. Please follow the steps listed below.

**Step 13.** Make sure the Ground Bracket is sitting flat on the deck or patio surface. Using a pencil, draw a Horizontal Line on the face of the Inner Arm as shown in **Figure 48**. At the center of the Inner Arm, draw a small Vertical Line that intersects with the horizontal line. This is the hole location for the Acorn Nut Stop.

**Step 14.** Detach the Ground Bracket from the Deck Plate using the Ground Bracket Handle. Operate the Lift Handle and slowly extend the Inner Arm approximately 4".

**Step 15.** Center punch the location for the Acorn Nut stop from **Step 13**. Drill a  $\frac{1}{8}$ " pilot hole, then enlarge to  $\frac{1}{4}$ ". De-burr the hole if needed. From the back of the Arm, place the  $\frac{1}{4}$ -20 x  $\frac{1}{4}$ " screw through the hole that you drilled. Attach the Acorn Nut to the front of the Inner Arm and tighten with a  $\frac{1}{16}$ " wrench. See **Figure 47**, Step 1. Operate the Lift Handle and raise the Inner Arm to the Acorn Nut Stop. Reattach the Ground Bracket to the Deck Plate. **Repeat this step for the other arm.**

**Step 16.** Using a Phillips screwdriver, remove the two short screws on each Inner Arm. See **Figure 49**. Repeat for the other Arm.

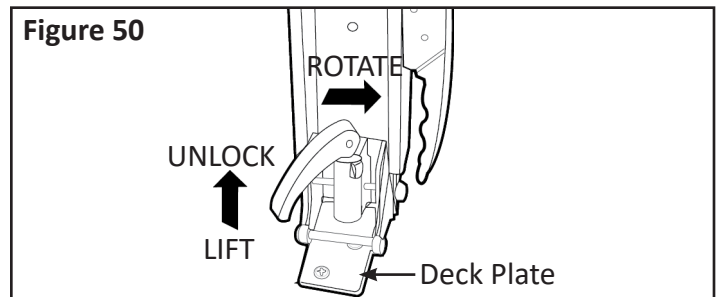
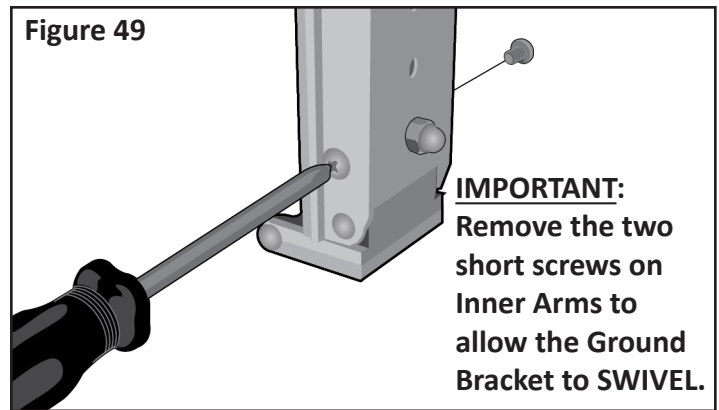
**Step 17.** Continue with **Step 58** of the SunSetter Awning Installation Instructions.

**Note:** If you plan to use either Arm in the Vertical Position, you need to call SunSetter Customer Service at 800-670-7071 and purchase another set of Deck Plates and then follow Steps 59 through 68 on Page 10 to properly install them on your Deck or Patio.

To move the Arms from the Deck Plates close to the House to the Vertical Position, complete the following steps:

- Fully open the Awning according to your operating instructions.
- Unlock the Ground Brackets from the Deck Plates using the Ground Bracket Handle. See **Figure 50**.
- Move the Arm to the Vertical position.
- Place the bottom of the Arm over the Deck Plate that you installed away from the house. Secure the Arm to the Deck Plate by lifting the Ground Bracket Handle and rotate it clock-wise approximately  $\frac{1}{4}$  turn until it locks.
- To move the Arms back to the Deck Plates closer to the House, reverse the above procedure.

**CAUTION:** USE CARE WHEN MOVING THE ARMS BACK TO THE DECK PLATE CLOSER TO THE HOUSE.



## HOW TO DRAIN RAIN WATER FROM THE AWNING FABRIC

The SunSetter Awning is not designed to hold the weight of rainwater pooling on the Fabric. You must tilt the Awning to allow appropriate drainage and prevent water from accumulating on the Fabric (see the Homeowners' Operation and Maintenance manual for details).

**WARNING: ACCUMULATION OF RAINWATER ON THE FABRIC COULD COLLAPSE THE AWNING AND CAUSE SERIOUS INJURY!**

If, for any reason, rainwater accumulated on the Fabric, follow the instructions below to remove the water. You will need a **Helper** for this procedure.

**WARNING: NEVER WALK UNDER AN AWNING WITH WATER ACCUMULATED ON THE FABRIC! THERE COULD BE A TREMENDOUS AMOUNT OF WEIGHT ON THE AWNING AND THE FRAME COULD COLLAPSE AT ANY MOMENT AND CAUSE SERIOUS INJURY!**

1. Connect a common garden hose to your outside water faucet.
2. While standing in front of the Awning (**BUT NOT UNDER THE AWNING**), visually observe where is the deepest point of the water pooling on the fabric.
3. Hold the open end of the garden hose about head high.
4. Have a helper turn the water faucet on. Let water run **ONTO THE GROUND** until there is a solid stream of water. **DO NOT ALLOW ANY WATER TO RUN ONTO THE FABRIC.**
5. Continue to hold the end of the hose head high and have your Helper turn the water **OFF**. Leave the hose connected to the faucet.
6. Place the end of the hose over the front of the Awning and let the open end of the hose slide into the deepest point of the water pool. **DO NOT GO UNDER THE AWNING!**
7. While the open end of the hose is **UNDER THE SURFACE OF THE WATER**, have your Helper disconnect the water hose from the faucet and lay it on the ground.
8. The siphon caused by the water running out of the hose will drain the water from your Awning. Let the water continue to drain until the flow of the water through the hose stops.
9. While keeping the end of the hose submerged, move it around on the fabric to fully drain the water from the Fabric.
10. When the drain stops, make sure most water was drained. If not, repeat the process until most water is drained off of the fabric.
11. Follow the normal closing procedure to lower the Awning and let the rest of the water run off totally from the fabric.
12. Inspect your Awning for damaged parts, and check for normal operation.

**Note:** We recommend that you purchase Rainaway Arches to help prevent water collection and sagging. You must set one Arm lower and create enough drop to allow rainwater to run off without accumulating on the Fabric when you leave your Awning unattended. If the weather forecast is unclear, and could be stormy, the Awning must be retracted completely against the house when unattended.

# 5-YEAR LIMITED MANUFACTURER'S WARRANTY

## Model 1000XT Awning and Accessories Only

### A. WHO GIVES THIS WARRANTY?

SunSetter Products, 184 Charles Street, Malden, MA 02148.

### B. WHO IS ENTITLED TO THIS WARRANTY?

This Warranty applies only to the original purchaser who paid for the product and may not be assigned or transferred to subsequent owners. This Warranty applies only to products purchased and installed in the US.

### C. WHAT ARE THE RESPONSIBILITIES OF SUNSETTER PRODUCTS UNDER THIS WARRANTY?

Subject to the terms and conditions set forth herein, SunSetter Products will furnish replacements for parts found by SunSetter Products to be defective in design, manufacture or assembly, under each specific component or product warranty as set forth below.

### D. WHAT ARE THE RESPONSIBILITIES OF THE ORIGINAL PURCHASER UNDER THE WARRANTY?

1. Before any claims may be made under this Warranty, the original purchaser must have paid in full for the product covered under the Warranty, according to the terms and conditions of the pay-plan defined in the original order. **IF THE PURCHASER HAS FAILED TO MAKE FULL PAYMENTS ACCORDING TO THE SPECIFIC PAY PLAN FOR THE PRODUCT, THIS WARRANTY SHALL BE NULLIFIED AND SUNSETTER PRODUCTS SHALL BE RELIEVED FROM ANY RESPONSIBILITY OR LIABILITY UNDER THIS WARRANTY.** The purchaser agrees and acknowledges that this Warranty agreement constitutes an executory contract.

2. The purchaser must use care in installation, maintenance, operation, use, and storage of the product in accordance with the instructions contained in the owner's manual. **ANY FAILURE TO INSTALL, MAINTAIN, OPERATE, USE AND STORE THE PRODUCT IN ACCORDANCE WITH THE INSTRUCTIONS CONTAINED IN THE OWNER'S MANUAL WILL NULLIFY THIS WARRANTY AND RELIEVE SUNSETTER PRODUCTS FROM ANY RESPONSIBILITY OR LIABILITY UNDER THIS WARRANTY.**

3. Promptly notify SunSetter Products of any claims.

4. The purchaser may be required to provide a photograph of any defective parts. **The purchaser may also be required to pay a deposit until the defective parts are returned to SunSetter Products for inspection.** The purchaser must obtain a return authorization form from SunSetter Products' customer service department prior to the return of any merchandise and after having received such authorization, return the part or product, freight prepaid, to SunSetter Products.

### E. WHAT IS COVERED UNDER THIS WARRANTY?

1. The following components of the SunSetter 1000XT models and their accessories (defined as accessories attached to the awning) are covered under this Warranty, subject to the limitations set forth below. These components have a five (5) year limited (prorated) warranty, against manufacturer's defects as outlined below *(Continued in next column)* :

(a) Should the purchaser promptly notify SunSetter Products of such defects within one year (12 months) from the date of the original purchase, the defective component will be replaced at no charge.

(b) After one year but within five years (60 months) from the date of the original purchase, a defective component will be replaced upon the purchaser's payment of 1/60<sup>th</sup> of the full retail cost of the component for each month of use prior to the claim.

### 2. Covered Components:

**STRUCTURAL SUPPORTS**, which include the arms, rafters, and all other attached supports are warranted not to fail for five (5) years provided that the components are not subjected to excessive winds or water pooling on the fabric.

**FRONT ROLLER BAR** is warranted against any and all damage including cracking and permanent bowing that would affect the performance of the awning provided that the awning is not subjected to excessive winds or water pooling on the fabric.

**FABRIC** is warranted for five (5) years against:

(a) Excessive fading under normal conditions if maintained, operated, used, and stored in accordance with the instructions contained in the owner's manual.

(b) Mildew on the fabric. Mildew will not form on the fabric itself, but may form on dirt and dust that have not been removed from it. Please see maintenance instructions for proper cleaning—outlined in owner's manual.

(c) Excessive cracking or peeling under normal conditions if maintained, operated, used, and stored in accordance with the instructions contained in the owner's manual, and provided that the awning is not subjected to excessive winds or water pooling on the fabric.

**DRIVE UNIT** is warranted for five (5) years not to fail under normal conditions if maintained, operated, used, and stored in accordance with the instructions contained in the owner's manual.

**AWNING ACCESSORIES** (defined as accessories attached to the awning) are warranted for five (5) years not to fail under normal conditions if maintained, operated, used, and stored in accordance with the instructions contained in the owner's manual.

### F. WHAT IS NOT COVERED UNDER THIS WARRANTY?

1. The SunSetter 1000XT awnings are designed for residential uses only. They are not designed for commercial uses, and are not designed to be installed on moving vehicles. The SunSetter 1000XT awnings are also not designed to be used for carports. Any damage that results from the purchaser's use of the SunSetter 1000XT awnings for commercial uses or for carports or on moving vehicles, is not covered by this Warranty.

*Continued on next page*



## **5-YEAR LIMITED MANUFACTURER'S WARRANTY**

### **Model 1000XT Awning and Accessories Only**

- 2.** Any failure or damage of the components that results from any intentional or negligent actions by the purchaser or by any other person is not covered by this Warranty.
- 3.** It is the responsibility of the purchaser to securely fasten the awning to studs, joists, headers or other structural members. Any failure or damage that results from the awning falling from its installed position is not covered by this Warranty.
- 4.** Labor charges connected with installation of replacement parts are not covered by this Warranty.
- 5.** Freight expenses to and from SunSetter Products in shipping damaged or replacement parts are not covered by this Warranty and must be paid by the purchaser.
- 6.** Stretching of fabric or damage to any structural component caused by wind or water pooling on the fabric or any other weather are not covered by this Warranty.
- 7.** Any modification or addition to the awning structure and support system (except for awning accessories made by SunSetter Products) will nullify this Warranty and relieve SunSetter Products from any responsibility or liability under this Warranty.

#### **G. GENERAL PROVISIONS AND LIMITATIONS**

- 1. THE WARRANTY GRANTED HEREIN IS THE EXCLUSIVE REMEDY FOR THE PURCHASER. SUNSETTER PRODUCTS MAKES NO OTHER WARRANTIES TO THE PURCHASER, EXPRESS, STATUTORY, IMPLIED OR OTHERWISE AND ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATIONS, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY DISCLAIMED.**
- 2. TO THE EXTENT PERMITTED BY LAW, SUNSETTER PRODUCTS SHALL HAVE NO LIABILITY TO THE PURCHASER OR ANY OTHER PERSON FOR INCIDENTAL, SPECIAL, CONSEQUENTIAL, INDIRECT OR SIMILAR DAMAGES OF ANY KIND OR NATURE WHATSOEVER, WHETHER ARISING OUT OF BREACH OF WARRANTY OR OTHER BREACH OF CONTRACT, NEGLIGENCE OR OTHER TORT, OR OTHERWISE, EVEN IF SUNSETTER PRODUCTS SHALL HAVE BEEN ADVISED OF THE POSSIBILITY OR LIKELIHOOD OF SUCH POTENTIAL LOSS OR DAMAGE. IN NO EVENT SHALL SUNSETTER PRODUCTS BE LIABLE FOR LOSS OF PROFITS AND/OR WAGES.**
- 3.** Some states do not allow limitations on how long an implied warranty lasts, or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations may not apply to you.
- 4.** This warranty gives you specific rights, and you may have other rights, which vary from state to state.



## IMPORTANT CUSTOMER SERVICE INFORMATION

Congratulations on your SunSetter purchase. We hope that your SunSetter product has arrived in perfect condition, and that the installation and operation instructions we have provided help you to install and use your purchases with ease. If you still have questions, or need assistance from our Customer Service Department, please email us at [contactus@sunsetter.com](mailto:contactus@sunsetter.com) or call Toll Free at 800-670-7071. We'll be happy to help.

Visit the **Owner's Corner** on the web at <http://ownerscorner.sunsetter.com>.

The **Owner's Corner** is exclusively for our customers.

From the **Owners' Corner** you'll find technical support & troubleshooting steps for your awning and accessories. While visiting the **Owners' Corner** be sure to update your email address so you are notified of extra special bargains, discounts on products that help you enjoy your deck or patio more, new **SunSetter** accessories and to make sure you're among the first to get any late-breaking news you'll want to know.

*Thank you for Choosing SunSetter!*

