2-3 Awning Installation:
For wall mount installation, there are two options available. Choose the one that best fits your desired application. For the best installation on any surface use option "A". If mounting over stucco use option "A" only.

To achieve the proper amount of headroom under your awning, after the installation is completed, we recommend securing the mounting brackets a minimum of 7'-6" above the deck or patio. **If you have ordered the optional WeatherGuard Cover (Sec. 2-4), see the instructions for additional information and brackets required during the installation of options "A" or "B".**

**Option "A"** (See Detail #1) Measure the length of the awning. Determine the position (left to right) on the wall where the awning is to be mounted, and mark each end with an "E" for end. Locate all studs between the two "E's" and mark the siding with an "S" over each stud. Install a 2" x 8" pressure treated header board on the wall at desired mounting height, the entire length of the awning. Use a 2" x 10" if you have ordered the Weatherguard Cover option. (Other dimensional materials such as spruce may be used for the header board, but must be capped with aluminum, painted or stained for weather protection). The header board can be mounted directly over wood lap siding with the use of siding blocks or shims available
at your local retailer, however if your home has vinyl siding we recommend cutting and removing the siding, and securing the header board through the sheathing into the studs directly. **(Be sure the header board is level).** Hardware for securing the header board to the wall is not provided but it is recommended that 3/8" galvanized lag bolts and washers be used. **It is critical that all lag bolts be mounted into structural material such as studs or box sill.** Counter sink the lags, and caulk all joints. To install the mounting brackets (See Detail #2), measure the distance in on both sides of the awning to the center of the arm.

**DETAIL #1**

![Diagram of awning width and header board](image)

**DETAIL #2**

**GEAR OR MANUAL OVERRIDE**

![Diagram of gear or manual override mechanism](image)
supports (shoulder). Mark this on the header board with an "A". (See Detail #3). Measure over a minimum of 3" to either side of this mark and using the mounting bracket as a guide, mark the hole locations. Important: If the arm supports are more than 12" from the end of the awning, install the mounting brackets to the outside of the arm support. Drill 1/4" pilot holes centered on the hole and then install the mounting brackets with the 3/8" x 4" galvanized lag bolts and washers provided. On wider awnings, center additional brackets.

**DETAIL #3**

![Header Board Diagram]

Option "B" (See Detail #4) Mounting brackets can be installed directly on the wall. It is critical that all brackets be mounted level, plumb, and on the same surface plane. Brackets that are out of alignment, or mounted on an uneven wall surface will cause the awning not to function properly. To install, measure the entire length of the awning. Determine the position (left to right) on the wall where the awning is to be located and mark both ends with an "E" for end. Locate all studs between the two "E's" and mark the siding with an "S" over each stud. (See Detail #2) Measure the distance from each end of the awning to the center of the arm supports, then transfer this measurement in from both "E" marks and mark this measurement "A" for arms. Locate the "S" mark closest to each of the "A" marks, allowing at least 3" for the arm support (shoulders). With the mounting bracket as a guide, mark the hole locations centered on the stud and drill 1/4" pilot holes. Attach the mounting brackets using the 3/8" x 4" galvanized lag bolts and washers provided. If possible, it may be necessary to move the awning left or right on the wall to accommodate the stud locations. **It is critical that all lag bolts are mounted into the studs.** On wider awnings center additional brackets and secure to the studs.
INSTALLATION ON MASONRY:
Tools needed for assembly:
A. Drill
B. 3/16" or 1/4" masonry drill bit
C. 9/16" masonry drill bit
D. 9/16" socket or adjustable wrench

(See Detail #5) Caution - Installation must be on structural masonry. If mounting on brick veneer, you must use longer lag bolts and secure into framing members. Ask your local home center for proper fasteners and techniques. You can use either Option "A" or "B" from above following the bracket positioning instructions. With the mounting brackets as a guide, mark the hole locations on the masonry and drill a 3/16" - 1/4" hole about 2 1/4" deep using a masonry drill bit. Enlarge the hole using a 9/16" masonry drill bit to the final size necessary. Insert the lag shields supplied and secure mounting brackets using the 3/8" x 2 1/2" lag bolts supplied.
Mounting the Awning:
Once all the mounting brackets have been installed on the wall, it is time to place the awning in the brackets. This step will require at least 2 people. (See Detail #6) Lift the awning and slide the mounting bar (support tube) into the mounting brackets. The gear loop will be at the bottom of the awning. Secure the mounting bar to the mounting brackets with the bolts supplied. Be sure the mounting bar is seated flush to the back of the bracket. Slide the bolts up through from the bottom of the bracket and thread into the top hole. Be sure to tighten completely so that the locking lip on the inside of the mounting bracket locks down over the mounting bar.

DETAIL #6

At this time you can remove any remaining protective packaging, wraps, and ties from the under side of the awning.

2-4 Weatherguard Cover: (Optional for 6000, 7000, 8000 series)
The optional Weatherguard Hood Cover is designed to keep your awning dry and free from direct sunlight when not in use. If your awning is motorized than it will also serve as protection from moisture, which could damage the internal components of the motor. The Weatherguard Hood may be installed before or after the awning has been installed on the home. We recommend that it is installed after because it will add less overall weight and will be less cumbersome when the awning is lifted into place.

Tools needed to complete the assembly are as follows.
E. 13mm socket or adjustable wrench
F. Philips screwdriver
G. 5mm allen wrench
1. Attach a Weatherguard Hood Bracket next to each wall bracket (See Detail #7)

2. Slide the hood sections together as shown in (Detail #8). For hood covers with multiple sections, stagger the joints. (See Detail #9) Slide 2 "T" bolts in the center track placing one on either side of the joint. Place a splice bar over the bolts and fasten with nuts. Repeat this process on the front portion of the hood. For hood to perform properly, joints must be staggered.

Next, count the number of hood-mount brackets on the square tube. From the end of the awning, measure along the square tube the distances from the end of the awning to the position of each of the hood brackets and transfer these measurements to the Weatherguard Hood. Slide 1 "T" bolt in the outer track for each hood bracket and "T" bolt in the inner track for each hood bracket. (See Detail #9) Install both end caps with...
the Philips screws provided. (See Detail #10) Lift the hood into place and align the "T" bolts with the slot in the hood brackets and secure with nuts. If the Weatherguard Cover needs to be closer to the house, then the "T" bolts should be moved from the outer track to the center track (See Detail #11)

2-5 Roof Mount Installation: (6000, 7000, 8000 series only)
When installing roof mount brackets, it is important that all brackets be level, and plumb to the front of the facia. By mounting the brackets plumb to the facia, gear operation can be utilized from the deck or patio with the use of the hand crank. A proper sealant must be used around all lag bolts through roofing to prevent any possibility of leaking. Ask your retailer for their recommendation of sealant. The following instructions assume the installation is on a pitched roof with standard roof shingles and wood frame construction. For all other types seek the assistance of a local building contractor.

Tools needed for installation:
A. Drill
B. 1/4" Drill Bit
C. 3/8" Drill Bit
D. Adjustable Wrench
E. Level
F. Step Ladder
G. Caulking Gun

First, measure the entire length of the awning. Determine the position (left or right) on the roof where the awning is to be located and mark both ends with an "E" for end. Locate all the roof rafters between the two "E's" and mark the edge of the roofing with an "R" over each rafter. (See Detail #12) Measure the distance from each end of the awning to the center of the arm supports, (See Detail #13) then transfer this measurement in from both "E" marks, and mark this measurement "A" for arms.
Locate the "R" mark closest to the "A" mark. With roof bracket Section "1" as a guide, position the bracket on the "R" mark and drill three 1/4" pilot holes through the roofing and into the rafter. Now attach Section "1" of each roof mount bracket using three 3/8" x 4" galvanized lag bolts with a washer under each head. Do not completely tighten at this time. (See Detail #14) Be sure to center the lag bolts in the middle of each of the oval slots and apply sealant around each bolt at the time of installation. On wider awnings, center additional brackets and install over roof rafters. Important: Before securing lag bolts, be sure all roof brackets are on the same plane. TIP: Stretch a piece of string along the front of all the roof brackets and adjust as necessary. The oval slots in Sec. "1" allow this piece to be adjusted. Once all the Sec. "1" pieces are attached and on the same plane, they can be tightened securely to the roof.
Attach remaining sections to Sec. "1" using the \( \frac{3}{8} \)" x 3 \( \frac{1}{2} \)" hex bolts, washers, and nuts provided. (See Detail #15) Do not completely tighten the bolts at this time. Attach Sec. "2" to the front of Sec. "1". Attach Sec. "4" to the back of Sec. "1". Attach Sec. "3" to the top of Sec. "2". Once all roof brackets have been assembled, fold the bracket forming a triangle. Section "3" and "4" can now be adjusted to form a level vertical face on Sec. "2". Once the face is level, you will need to drill two \( \frac{3}{8} \)" holes though Sec. "4" using the predrilled holes in Sec "3" as a guide. Tip: A clamp can be used to hold Sections "2" and "3" together while drilling the holes. Once this is completed, secure the two sections together with two 1 \( \frac{1}{2} \)" hex bolts, washers and nuts provided. All other sections of the roof mount bracket may now be tightened securely. (See Detail #16) Complete the same procedure on the remaining roof brackets. Now install one awning mounting bracket to the front of each roof mount bracket with two \( \frac{3}{8} \)" x 1 \( \frac{3}{4} \)" bolts with a washer under the head, and another under the nylock nut. Be sure all mounting brackets are level and on the same plane. Tighten securely. You may now return to Sec. 2-3 Awning Installation (Mounting the Awning pg. 7) at this time.

**DETAIL #15**

![Diagram of roof bracket assembly](image)

**DETAIL #16**

![Diagram of awning mounting bracket](image)
2-6 Motors and Controls: *(optional)*

If you purchased the optional motorized version, your Futureguard Retractable Awning has been equipped with a state of the art electric motor that requires no maintenance and is pre-wired and ready to use.

**Remote Control System:**

A 12' plug-in power cord and hand held transmitter are provided for ease of installation and operation. *Warning; Before you plug in your motor, be sure the receptacle is equipped with a GFI (Ground Fault Interrupter).* If it is not, have your local electrician install one before you plug it in. Your awning has also been equipped with a manual override. The manual override feature allows you to retract the awning during power loss and protect the awning from storm and wind damage. **Do not** operate the manual override while the awning is under power or severe damage will occur.

If you ordered a wind sensor, see the installation instructions included in the box with the control.