

## Titan Series Awning Assembly and Installation Instructions

**Be sure to use safety glasses when assembling and installing the awning. Some metal parts may have sharp edges. Use work gloves to handle them.**

These instructions are available online at <http://www.generalawnings.com/instructions>. Please read the instructions carefully before proceeding with installation. Select fasteners appropriate for your siding and wall construction. Make sure that the awning is attached to structural framing. Depending on the mounting surface and the location of structural framing members, a ledger board may be required.



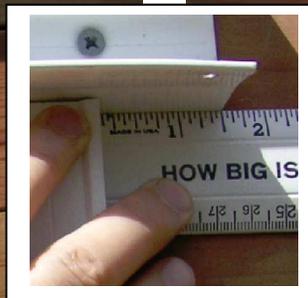
1. Install the header using appropriate fasteners.



2. Seal the header with caulk.



3. Mark 2 holes for each T-bracket through the top T-bracket covers.



T-bracket covers should be positioned at least 1.5" in from the ends of the header.



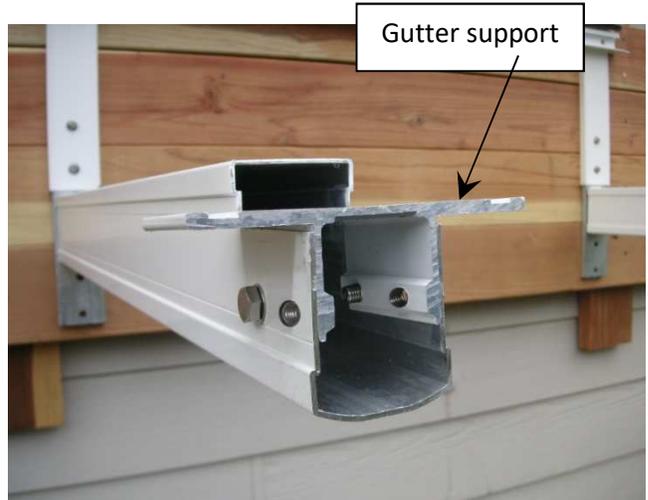
4. Drill pilot holes appropriate for the size of your fasteners.



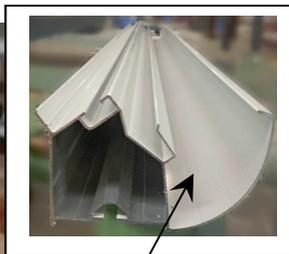
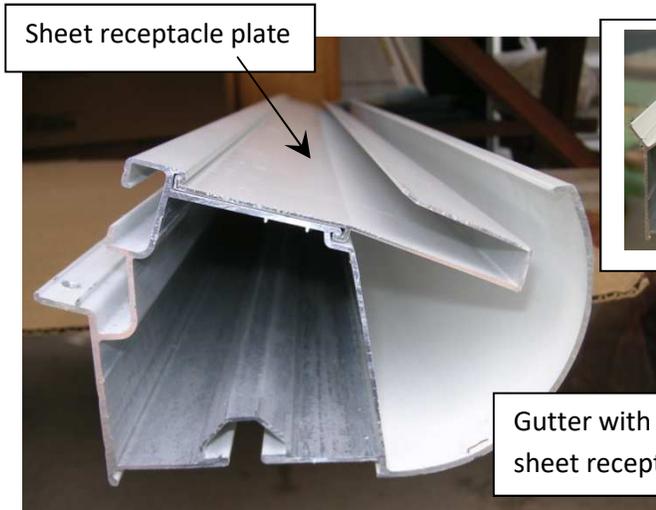
5. Use appropriate heavy duty fasteners to attach the T-brackets and their top covers.



6. Attach projection beams to the T-brackets using 4 bolts with washers for each beam.



7. Attach the gutter supports to the projection beams using 2 bolts with washers for each gutter support.



8. Insert the sheet receptacle plate (which may come in several sections) into the gutter. (Skip this step if your gutter has a built-in sheet receptacle.)



9. Place the gutter onto the supports and insert the gutter inserts with threaded holes into each end of the gutter.



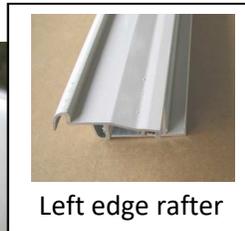
10. Attach the gutter to the supports using 2 bolts with washers for each support. The supports should be positioned at least 5/8" in from the ends of the gutter.



11. Install projection beam caps and secure each cap with 2 bolts with washers.



12. Apply caulk along the inside edge of the gutter on the left side.



Left edge rafter



Front cap



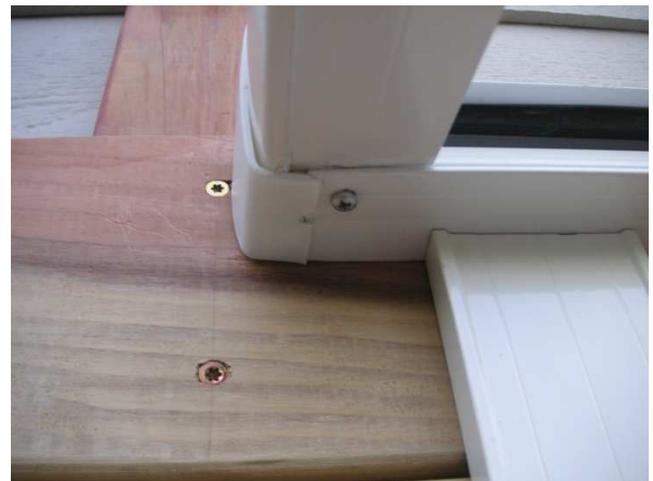
Back cap



13. Install the front and back caps on the left edge rafter.



14. Install the left edge rafter with caps.



15. Secure the left edge rafter with self-tapping screws in the back and front.



16. Insert the left side polycarbonate sheet.



17. Install the middle rafter. If your awning has more than one middle rafters, install remaining middle sheets and middle rafters.



18. Insert the right side polycarbonate sheet.



19. Apply caulk along the inside edge of the gutter (see Step 12). Install the right edge rafter with front and back caps.



20. Secure the middle rafter(s) and the right edge rafter with self-tapping screws in the back and front.



21. Insert rubber strips along the sides and back of each polycarbonate sheet. Each rubber strip section does not have to be in one piece.



22. Drive the rubber strips in with a hammer and a piece of soft material, such as wood.



23. Install polycarbonate sheet middle supports and adjust their positions using a mallet.



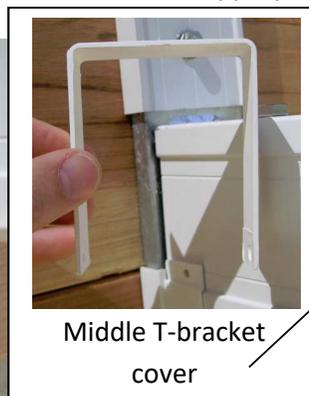
24. Secure polycarbonate sheet middle supports with self-tapping screws.



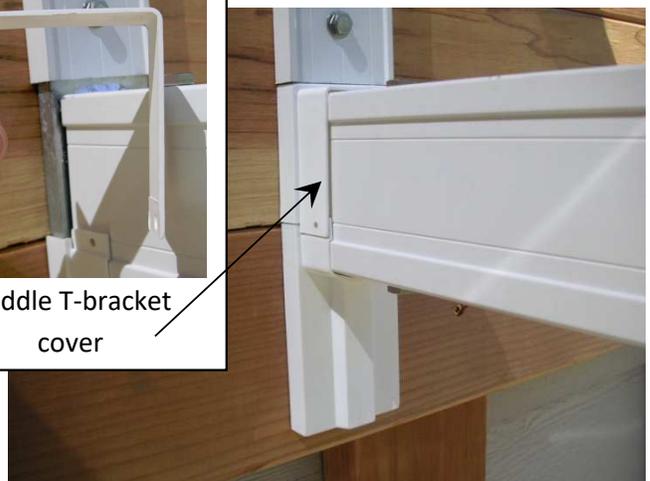
25. Drill pilot holes and secure the T-brackets through remaining holes in each T-bracket using appropriate fasteners.



26. Install the bottom T-bracket covers.



Middle T-bracket cover



27. Install the middle (C-shaped) T-bracket covers.



28. Secure the middle and bottom T-bracket covers with self-tapping screws.



29. To use the optional downspout, assemble the water receptacle with the horizontal drain pipe and strap using caulk to seal pipe connection.



Alternative drain pipe locations



30. Select and mark the drain pipe position, on the left or right from the projection beam, with an appropriate slope toward the wall.



31. Drill several small water drainage holes in the center of the marked area or, if the downspout is not used, drill holes in the desired water drainage location.

32. If the downspout is used, attach the vertical drain pipe to the horizontal pipe with an elbow using caulk to seal pipe connections. Attach the downspout to the gutter and projection beam with self-tapping screws, attach the vertical pipe to the wall with appropriate fasteners. This concludes the installation.



Installed awning (example)

## Titan Series Curved Top Canopy Parts List

Part Name	Quantity		Image
	59"W or 84"W	120"W	
Header	1	1	
Gutter	1	1	
T-Bracket (left and right interchangeable)	2	2	
Projection Beam	2	2	
Edge Rafter, Left (rounded front surface)	1	1	
Edge Rafter, Right (rounded front surface)	1	1	
Middle Rafter (grooves with rubber seals on both sides)	2	4	
Middle Support with Rubber Strip	3	10	
Downspout Pipe	2	2	
Rubber Strip (cut to appropriate lengths)	1	1	
PC Sheet (separate pack)	3	5	

Hardware Pack

Gutter Support

2

2



T-Bracket Cover, Top

2

2



T-Bracket Cover, Bottom

2

2



T-Bracket Cover, Middle

2

2



Projection Beam Cap

2

2



Gutter Insert

2

2



Bolt, Washer

20

20



Header Fastener (use appropriate type and quantity)



T-Bracket Fastener (use appropriate type)

8

8



Self-Tapping Screw

26

46



Front Cap, Left

1

1



Front Cap, Right

1

1



Back Cap, Left

1

1



Back Cap, Right	1	1	
Bolt Cap	20	20	
Lag Bolt Cap	8	8	
Water Receptacle (3 parts)	1	1	
Downspout Strap	4	4	
Downspout Elbow	3	3	