

## 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.



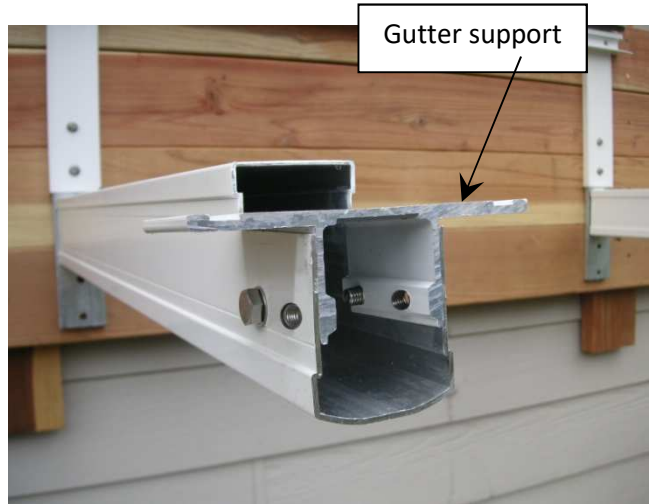
4. Drill pilot holes appropriate for the size of your fasteners.



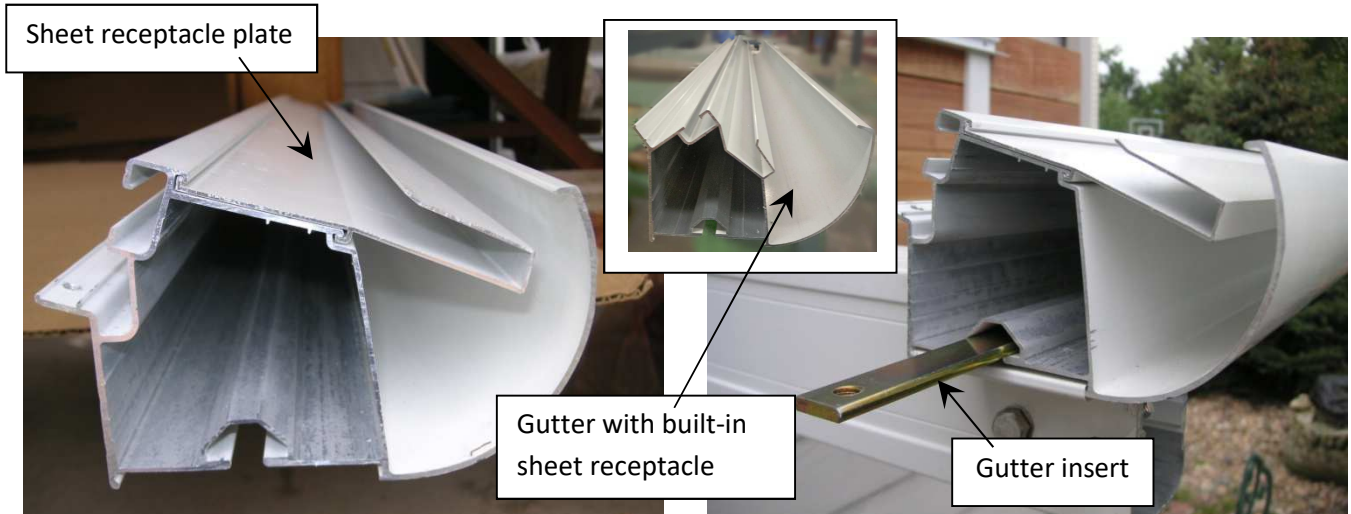
5. Use appropriate heavy duty fasteners to attach the T-brackets and their top covers.



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.





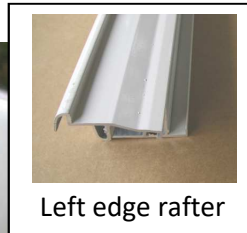
10. Attach the gutter to the supports using 2 bolts with washers for each support. The supports should be positioned at least 5/8" in from the ends of the gutter.



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



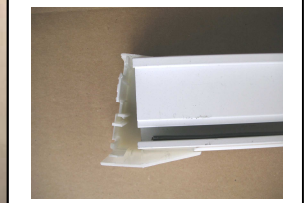
12. Apply caulk along the inside edge of the gutter on the left side.



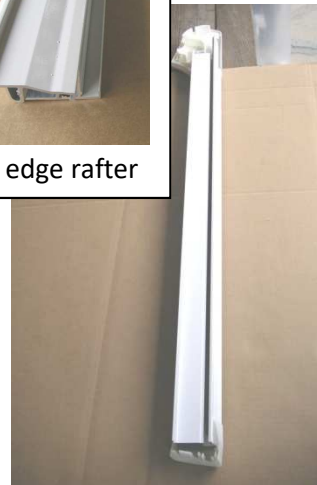
Left edge rafter



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.

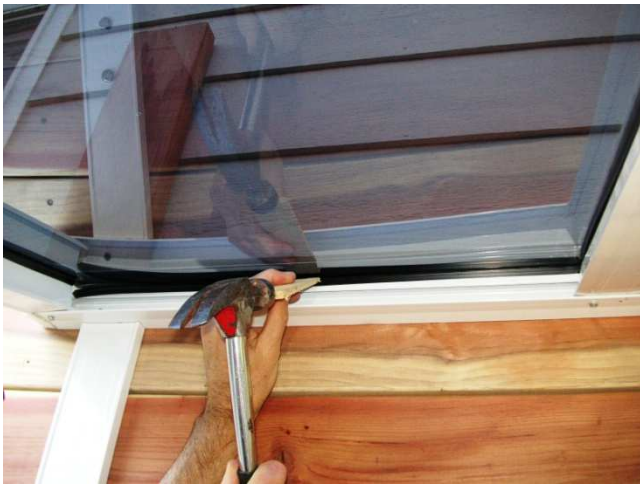


20. Secure the middle rafter(s) and the right edge rafter with self-tapping screws in the back and front.



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.



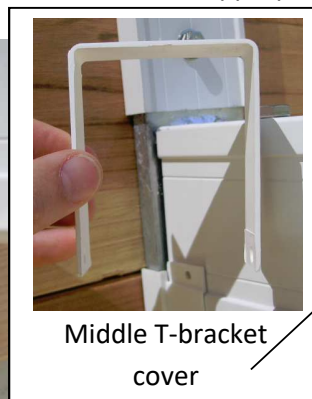
24. Secure polycarbonate sheet middle supports with self-tapping screws.



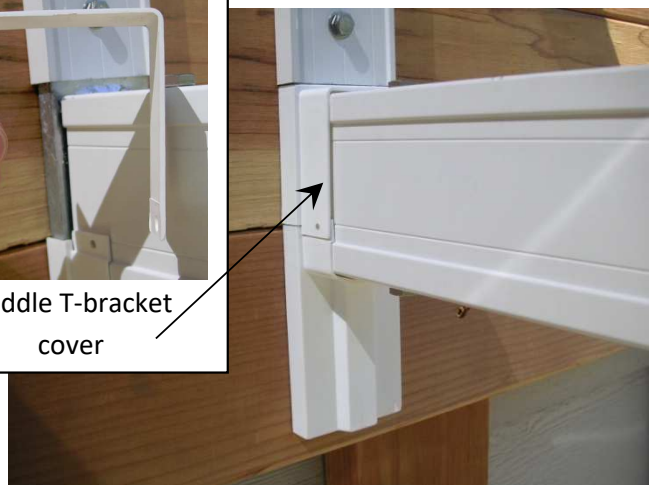
25. Drill pilot holes and secure the T-brackets through remaining holes in each T-bracket using appropriate fasteners.



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

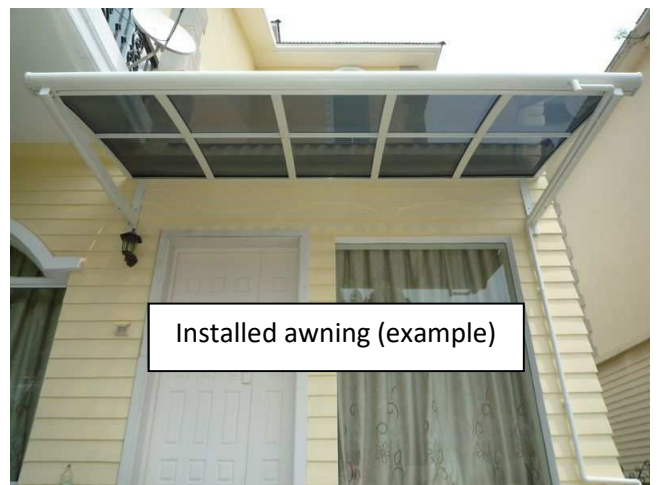


30. Select and mark the drain pipe position, on the left or right from the projection beam, with an appropriate slope toward the wall.



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.

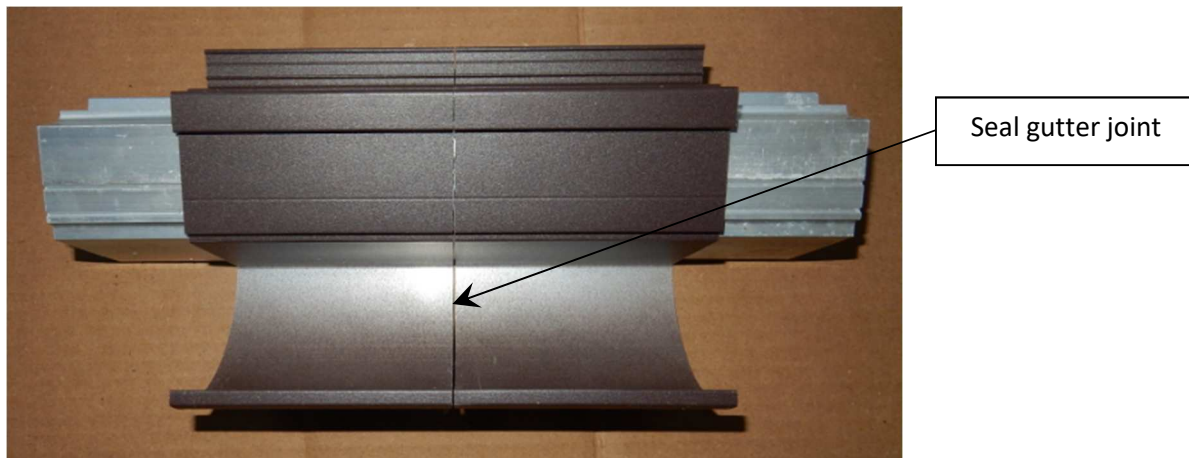
32. If the downspout is used, attach the vertical drain pipe to the horizontal pipe with an elbow using caulk to seal pipe connections. Attach the downspout to the gutter and projection beam with self-tapping screws, attach the vertical pipe to the wall with appropriate fasteners. This concludes the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



Installed awning (example)

## Titan Canopy Connection Instructions

To connect Titan Canopies together, use the Connection Kit, which includes one Gutter Splicer, one Middle Rafter and the appropriate hardware. The Gutter Splicer is used to connect two adjoining gutters, and the Middle Rafter replaces the Right Edge Rafter and Left Edge Rafter of the adjoining canopies. In the photo below, the Gutter Splicer is shown in silver color inserted into two adjoining gutters (partial gutters are shown for clarity).



Install the first canopy following the provided installation instructions. Omit the edge rafter on the side where the next canopy will be connected. Proceed with the installation of the next canopy starting with the Header, which should abut the Header of the previous canopy. Instead of the Edge Rafter, on the connection side use the Middle Rafter from the Connection Kit.

Insert one-half of the length of the Gutter Splicer into the gutter. Install the next canopy gutter onto the Gutter Splicer.

Secure the Gutter Splicer in the two adjoining gutters with 18 self-drilling screws in the back and the bottom of the gutter as shown below. The screw locations are marked with red dots.



Back View


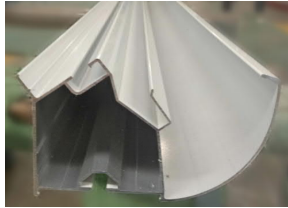

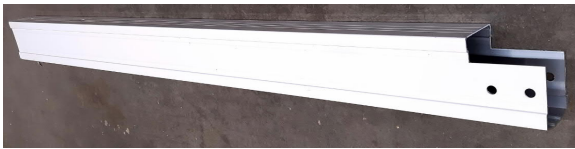








Bottom View

Seal the gutter joint (shown with an arrow above) with an outdoor grade caulk suitable for use on metals. Complete the installation of the next canopy.



## 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	

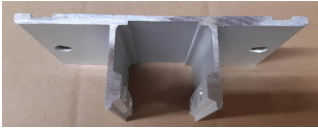


Hardware Pack

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

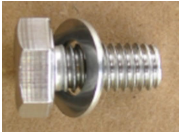
2



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

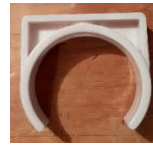
1



Downspout Strap

4

4



Downspout Elbow

3

3

