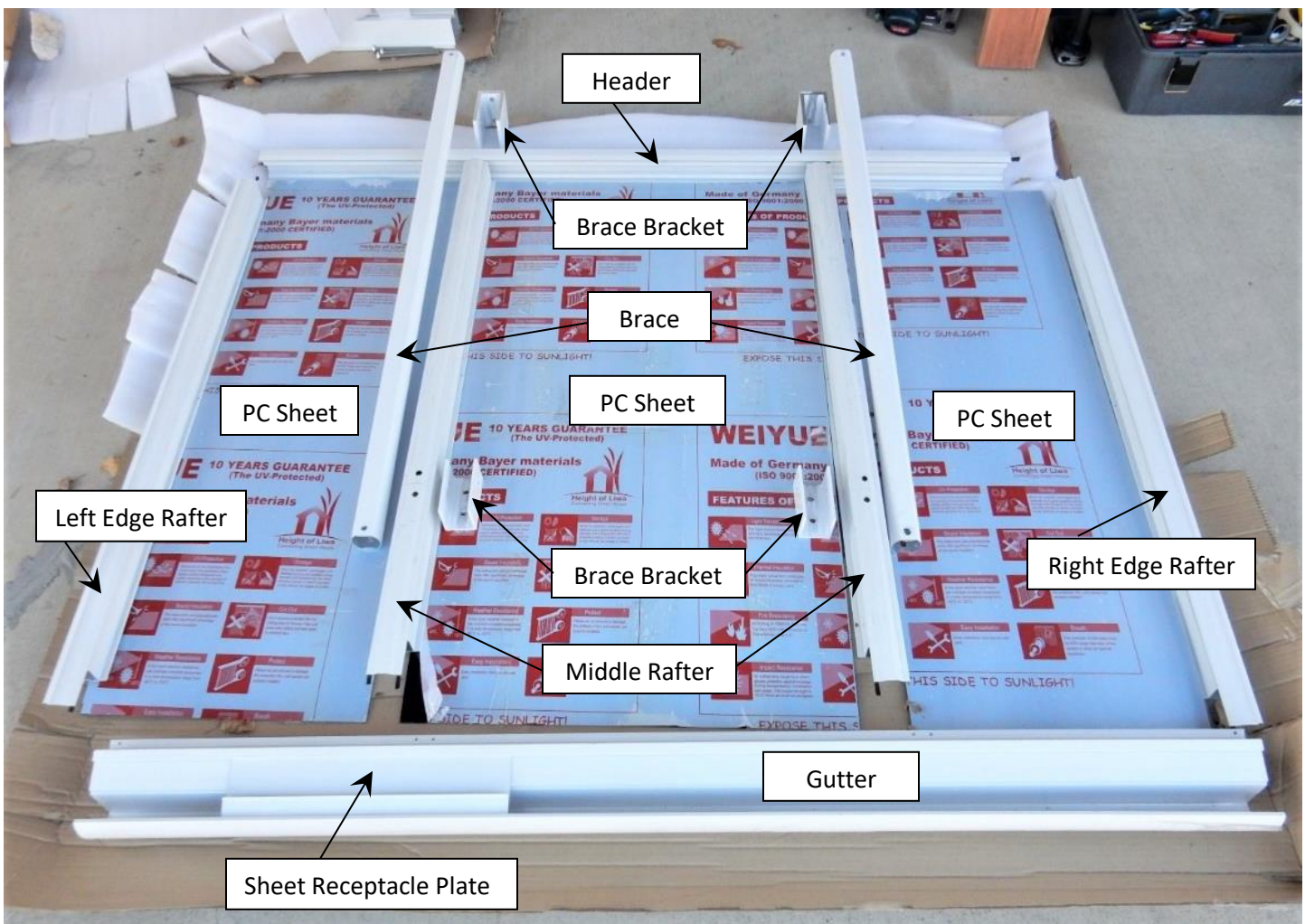


Titan Series Canopy with Overhead Braces Assembly and Installation Instructions

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. You will need a helper to install this canopy.

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. Arrange main canopy parts to become acquainted with them. Note that you may have more than 3 PC sheets and more than 2 middle rafters. Two of the middle rafters are predrilled for brace brackets. All middle rafters have slots with rubber seals on both sides. Edge rafters have a slot with a rubber seal only on the side of the PC sheet. Header is the part that will be attached to the wall (see Step 2 below).



2. Install the header using appropriate fasteners and seal the header with caulk.



3. Install brace caps on both ends of each brace.



4. Attach a brace bracket to one end of each brace using a bolt with a nut and a washer.



5. Attach a brace bracket to each of the predrilled middle rafters using a bolt with a nut and a washer.



6. Attach braces to brace brackets installed in the previous step using a bolt with a nut and a washer.



7. Attach one middle rafter with a brace to header with two self-tapping screws.



8. Mark the top brace bracket top mounting hole, making sure that the middle rafter is sloped at your desired awning slope, and attach the top brace bracket to the wall through the top hole using appropriate heavy-duty wall fastener.



9. Detach the brace from the top bracket and drive a second wall fastener through the bottom bracket hole. Reattach the brace to the top bracket. Repeat with the second middle rafter and the second brace.



10. Install the support beam using long bolts with a nut and a washer. Attach any remaining middle rafters to the header and the support beam. Apply caulk around each brace bracket to seal it against the middle rafter.



11. On the middle polycarbonate sheet(s), remove the protective film (or peel the film back from the edges by 1-2 inches) and insert the sheet(s) into the slots in the middle rafters and the header.



12. Attach the gutter to the middle rafters using self-tapping screws.



13. Insert the end PC sheets.



Sheet Receptacle

14. Insert the sheet receptacles, one for each PC sheet. (Skip this step if your gutter has a built-in sheet receptacle similar to the one shown here.)



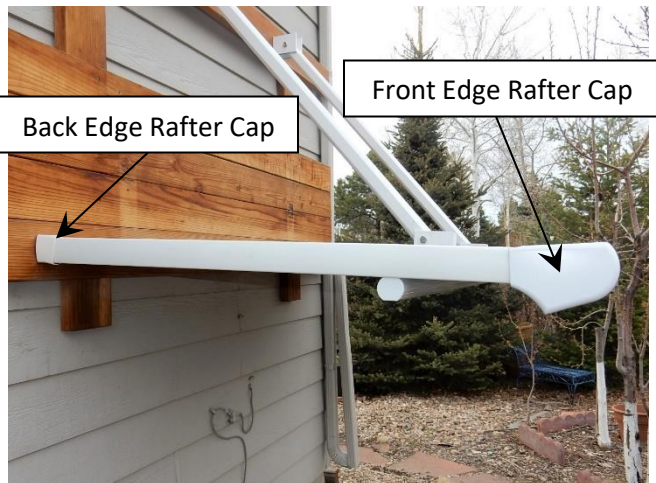
Edge Rafter



15. Install the edge rafters and secure them to the header and the gutter with self-tapping screws.



16. Apply caulk along the inside edge of the gutter on both sides to prevent water leakage through the gutter and cap connection.



Back Edge Rafter Cap

Front Edge Rafter Cap

17. Install back and front edge rafter caps. Bend the end of the gutter as necessary to fit the front cap.



18. Install PC sheet middle supports and secure with self-tapping screws.



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



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



21. Tighten all nuts and install bolt and nut caps.



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



23. Mark the water receptacle position on the left or right side of the gutter, with an appropriate drain pipe slope toward the wall.



24. 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.



25. 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 with self-tapping screws, attach the vertical pipe to the wall with drain pipe straps and appropriate fasteners.

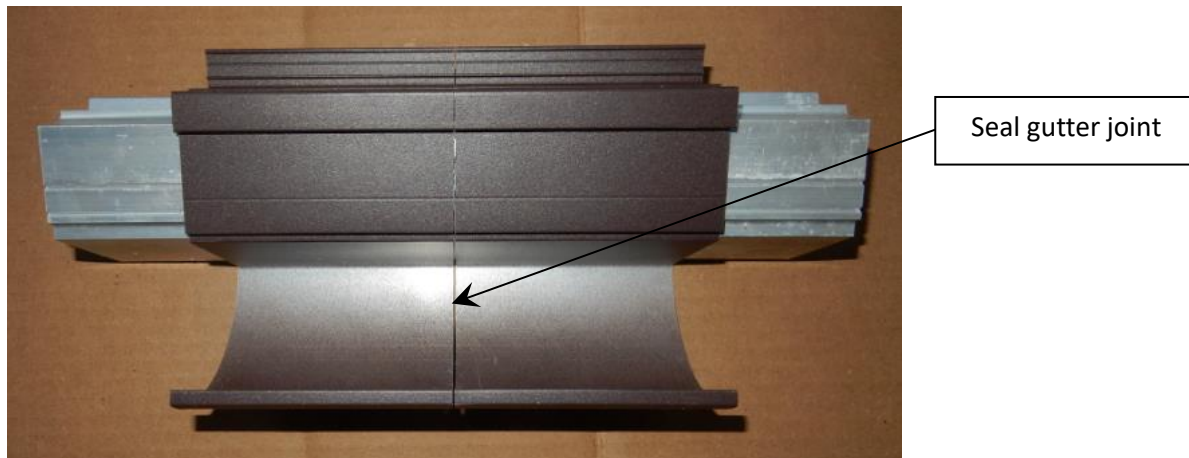


This concludes the installation.



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).



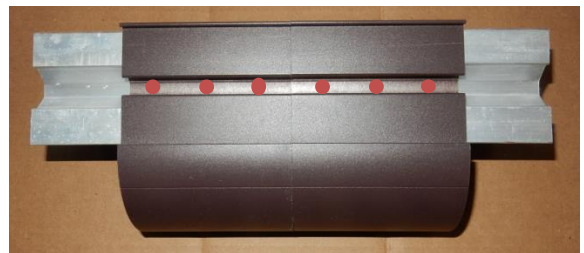
Install the first canopy following the provided installation instructions. Omit the edge rafter on the side where the next canopy will be connected. Proceed with the installation of the next canopy starting with the Header, which should abut the Header of the previous canopy. Instead of the Edge Rafter,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