

7V7-2 Rear Top Skin  
(Right wing, view from rear)

Lay out the coordinates for the wing tip. Connect the points with a smooth curve from the end of the spar tip to the tailing edge. Lay out the rivet pitch lines on the top and bottom rear wing skins.



7V8-2 Top Tip Angle

Position the Top Tip Angle (7V8-2). To make the curvature of the wing, both flanges will need to be crimped. The crimp will be placed between the rivet.



7V8-2 Top Tip Angle

Crimp the tip angle to the shape of the top wing skin.

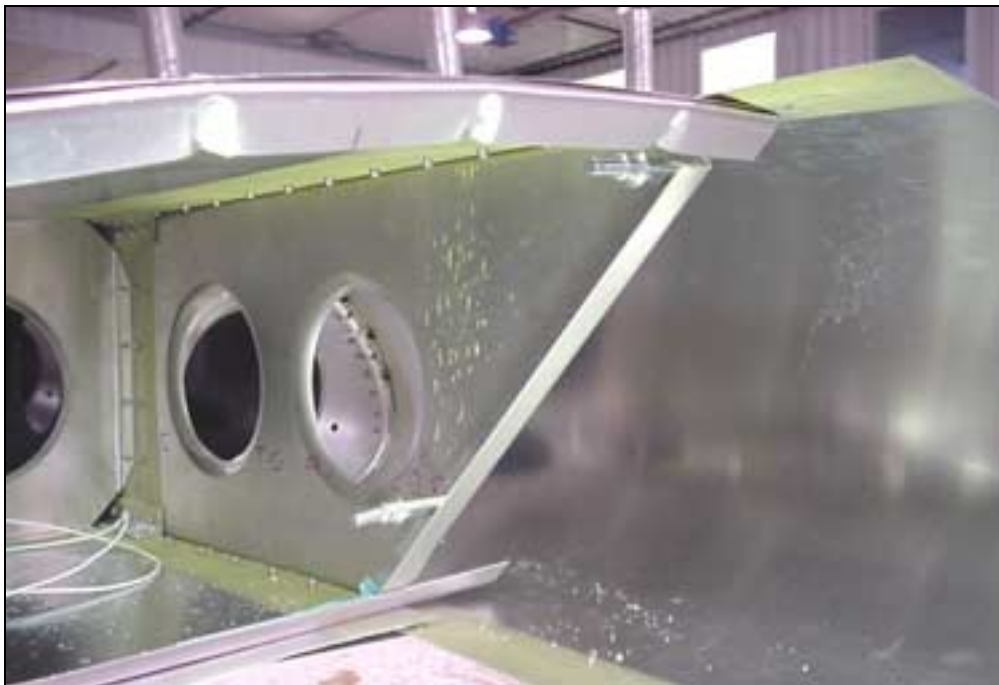


Drill and cleco the wing tip angle to the wing skin.



7V8-3 Lower Tip Angle

Drill and cleco the Lower Tip Angle. The Lower Angle is position 60mm in front of the spar tip (7V3-3) to allow for the fiberglass tip. The top and bottom angle may have to be trimmed later to install the fiberglass tip.



“L” STD Angle

Cut and position an “L” on 7V3-3 Spar Tip facing to the rear. For positioning make the “L” longer than 250mm so it can be clamped the tip angles (7V8-2 & 7V8-3) then after it has been drilled cut to correct length.



7V9-2 Fiberglass Tip

Trim the nose skin oversize leaving 20mm for final cut on the leading edge skin. Position the fiberglass tip and mark for the final cut.



Layout the rivet line; drill with #40.



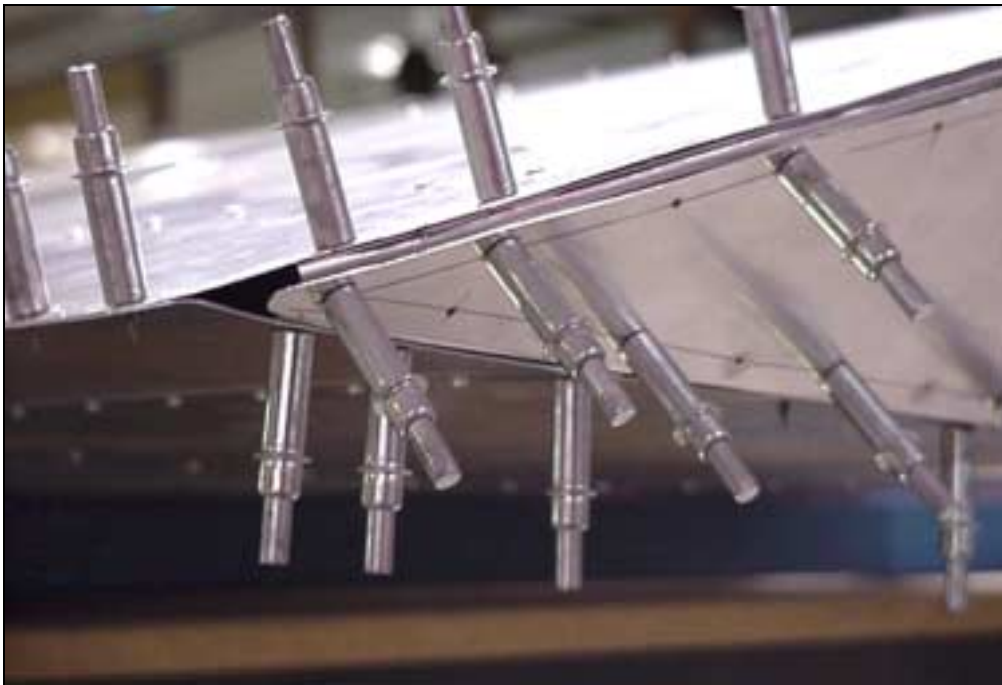
7V9-1 Wing Tip Sheet

Lay the wing tip sheet against the wing and trace the outline onto the sheet and trim.



7V9-1 Wing Tip Sheet

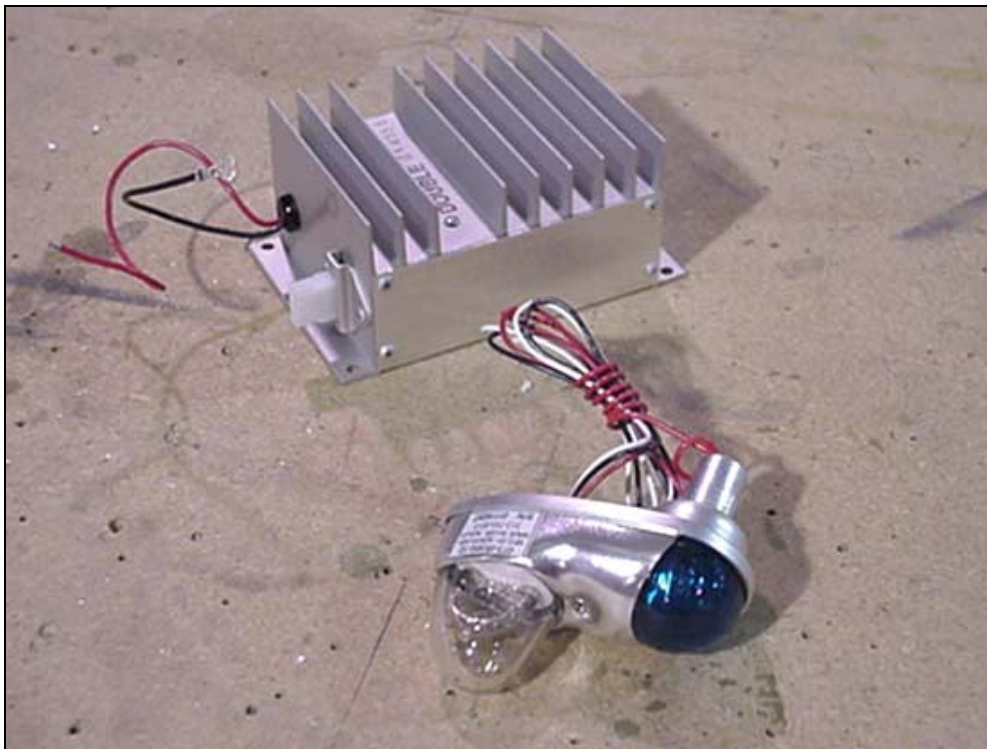
Layout pitch 50mm, drill and cleco to the tip angles.



Trim the rear part of the skin.



Mark and trim the skin to fit the contour of the fiberglass tip. Drill and cleco the wing tip sheet to the fiberglass tip and wing spar tip (7V3-3).

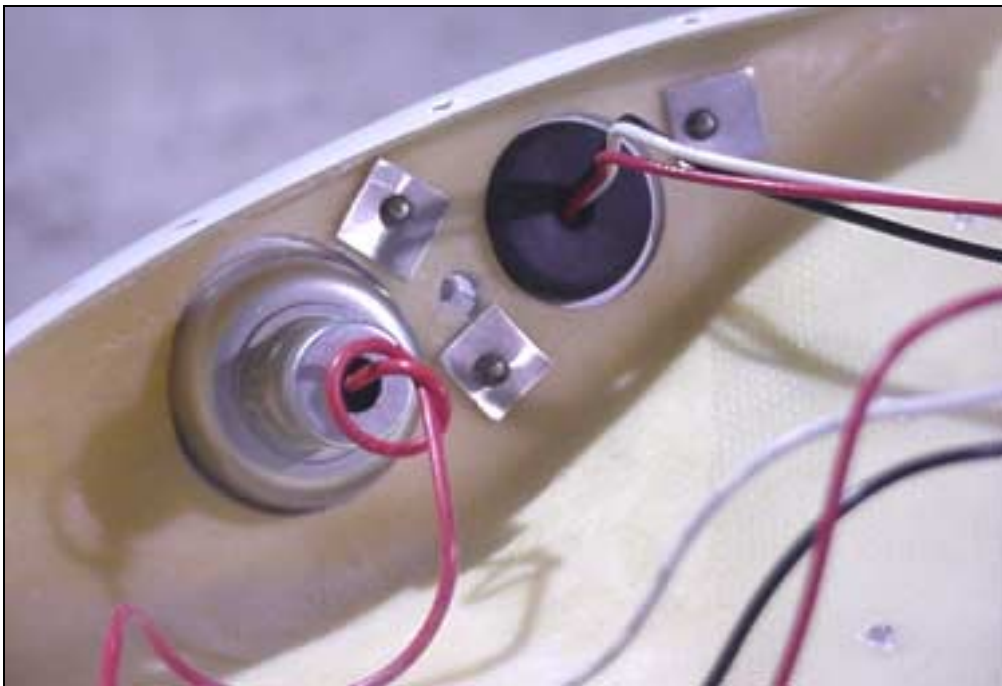


The optional Aero-Flash Nav/Strobe System

Nav/Strobe Kit



Position the nav/strobe light on the fiberglass tip. Drill two large holes, one for nav light and other for strobe wires. Then drill the three A4 securing holes. Making a paper template of the nav/strobe light will help.

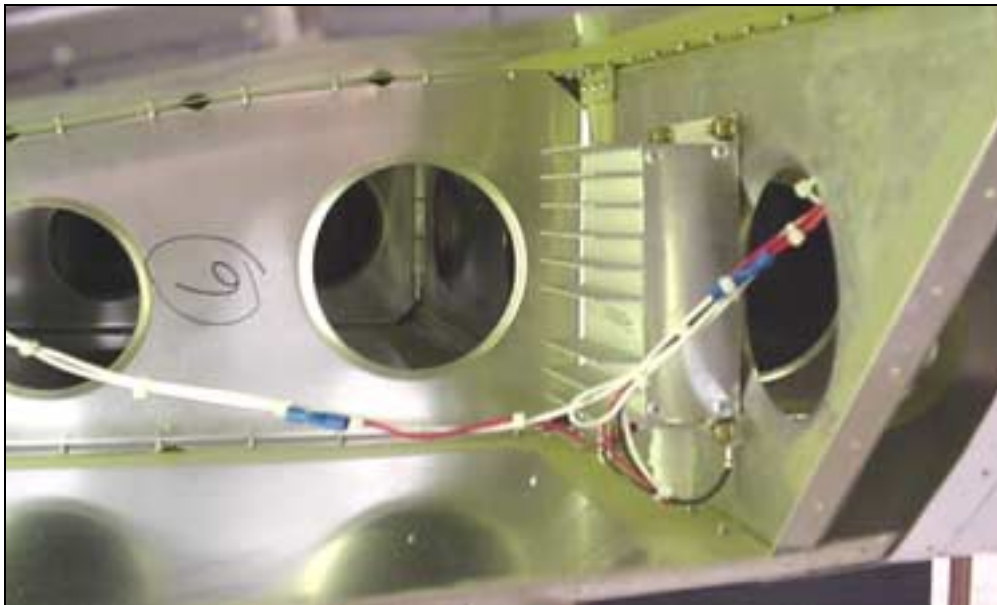


Using .025 alum scrap material as a backing plate will help the rivets from pulling out of the fiberglass.





Remember the green light goes on the right wing and the red light on the left wing.



Strobe Power Box

The Strobe Power Box is position between the two lightening holes on the spar tip (7V3-3). Making a drill template to drill the holes in the spar tip works very well. Bolt the strobe box using AN3-4A bolts. Secure the wire to the nav light and the strobe light. Before closing the wing tip it is a good idea to check that the strobe system works correctly. A 12-volt battery will have to be used for this test.



Debur and apply corrosion protection to the wing tip. Cleco and Rivet with A4 rivets.



Wing tip is done.