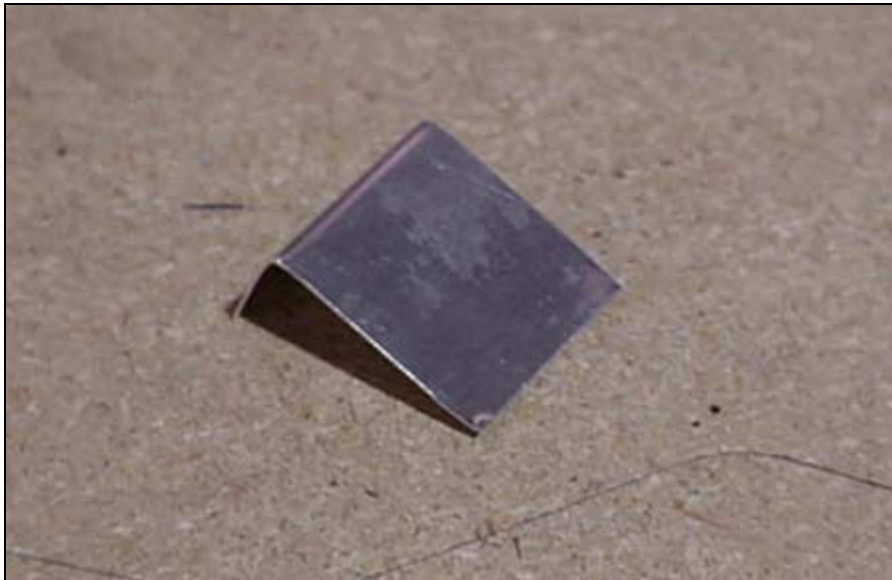




Rear Channel Template

Layout the template on $\frac{1}{2}$ " plywood for the positioning of the rear channel (7V6-2SP).



7V6-3 Rear Rib Angle

From 7V6-3 cut six to 40mm. These will be attached to 7V6-2Sp and 7V6-1.

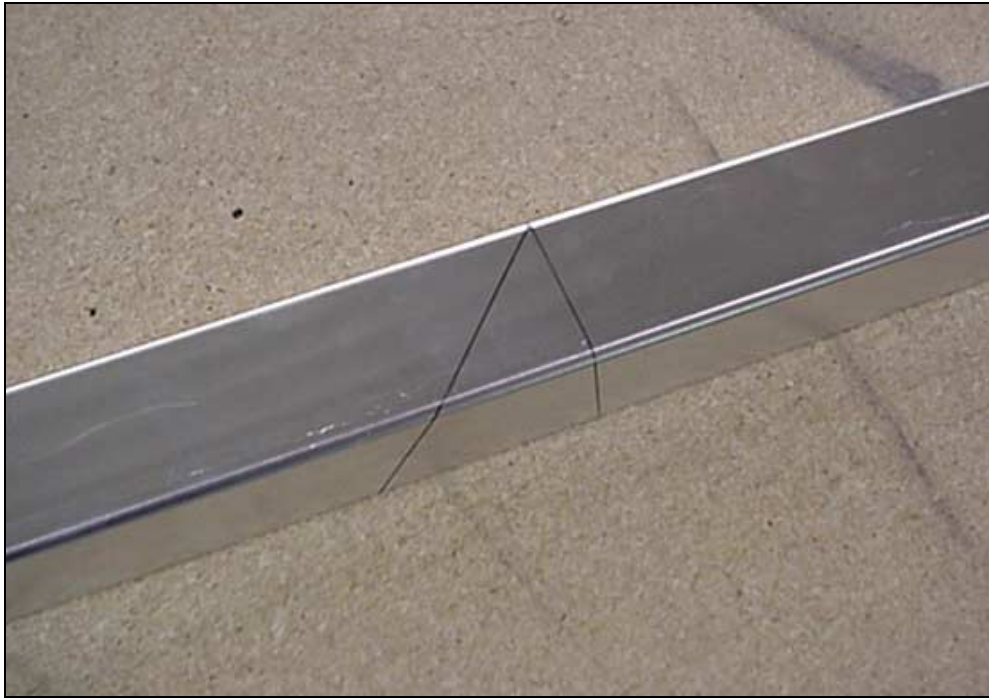


7V6-2SP Standard Rear Channels

Drill and cut the corner relief holes in 7V6-SP and 7V6-1. Position the template on the spar and clamp to the rear rib. Make sure to keep the rear rib 90deg to the spar. The distance between each rib must be properly maintained for the alignment on the flaperon arms (see drawing 7V3 and 7V6).

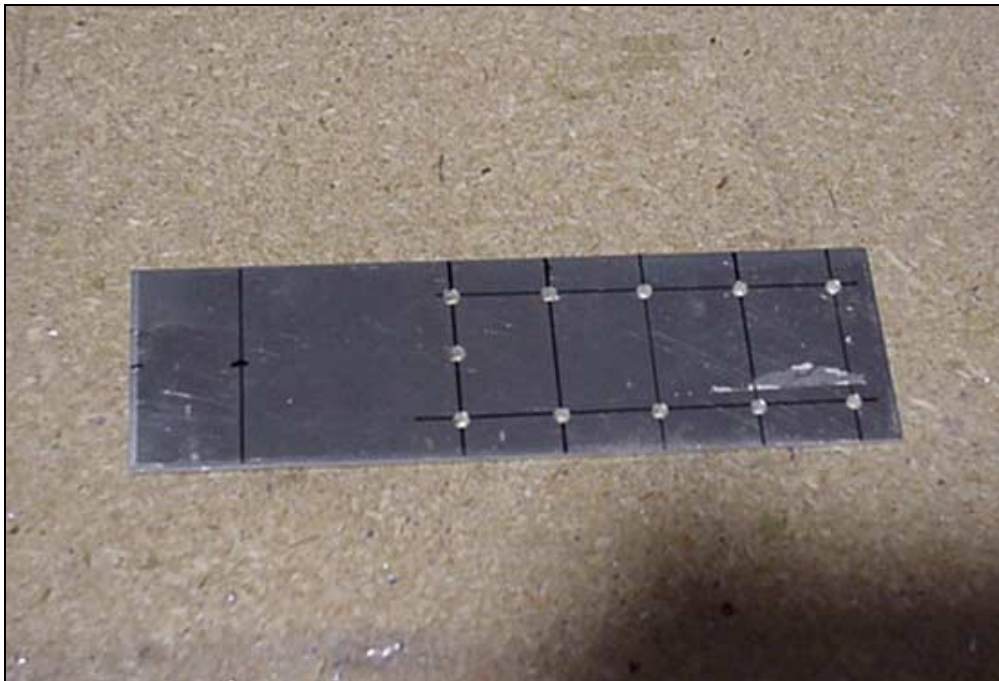


The template will sit on the inside of the channel 7V6-2SP; this will determine the correct distance for the channel. Clamp and drill the three holes with number 40, continue by clamping 7V6-3 to 7V6-2SP channel and drilling to the rib and channel.



7V6-2SP Standard Rear Channels

Cut the outboard rear channel 405mm and trim the web at 45deg. This will allow for the placement of the wing tip. The distance from the center of the rib to end of the channel is 415mm.



7V4-3 Rear Root Doubler

Layout and predrill the rear root doubler.



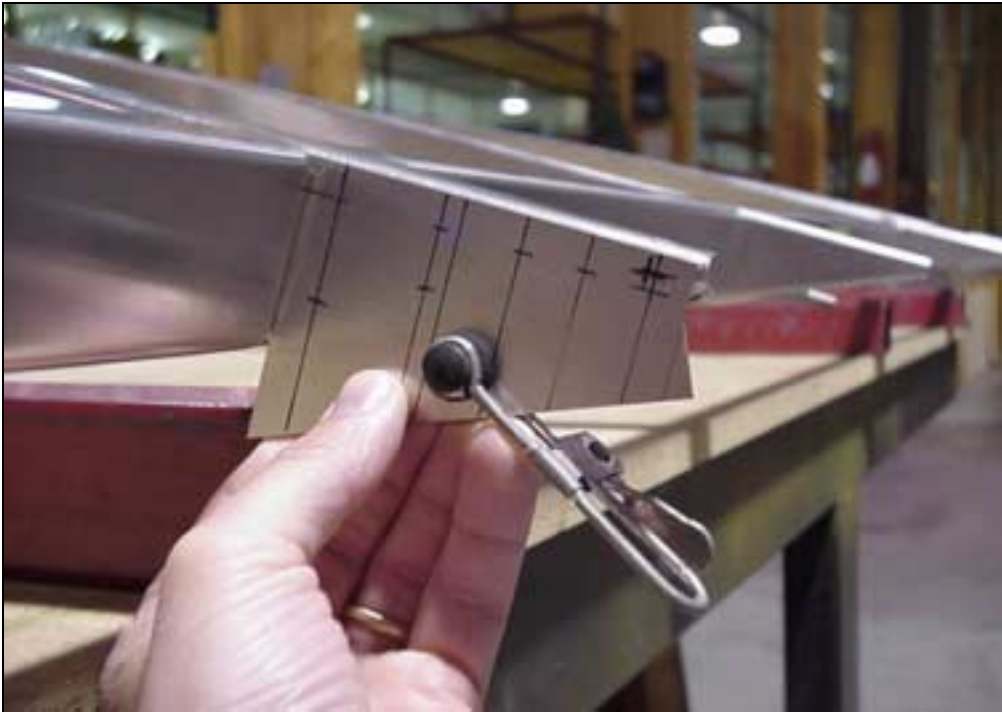
7V4-3 Rear Root Doubler
7V6-1 Heavy Rear
Channel

Cut 7V6-1 295mm and position the rear root doubler to the channel. Drill and cleco.



Rear Channel Template
7V6-1 Heavy Rear
Channel

Position the template the same way, but double check the length. This will determine the position of the wing to the fuselage. From the front side of the spar to the rear channel the distance is 715mm.



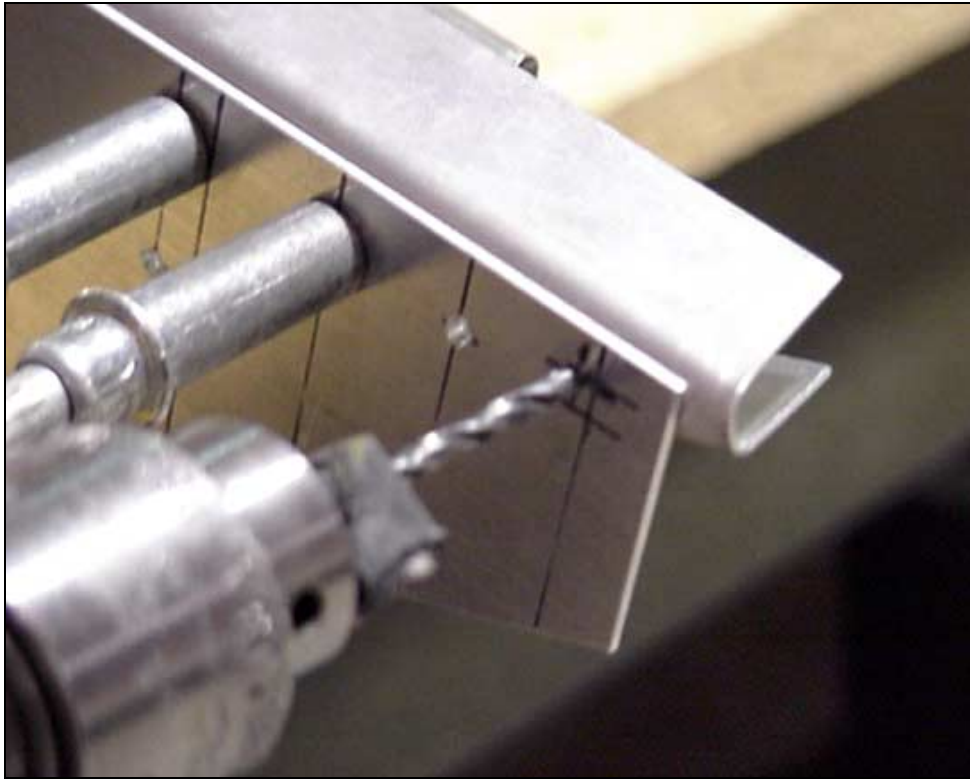
7V4-6 Flaperon Brackets
7V1-2 Rear Ribs

Layout and predrill the flaperon brackets. Before drilling check the holes to the rib. Clamp a piece of 'L' to the bracket, this will allow the bracket to hang down to the proper length (see 7V5). The last hole will have to be adjusted.



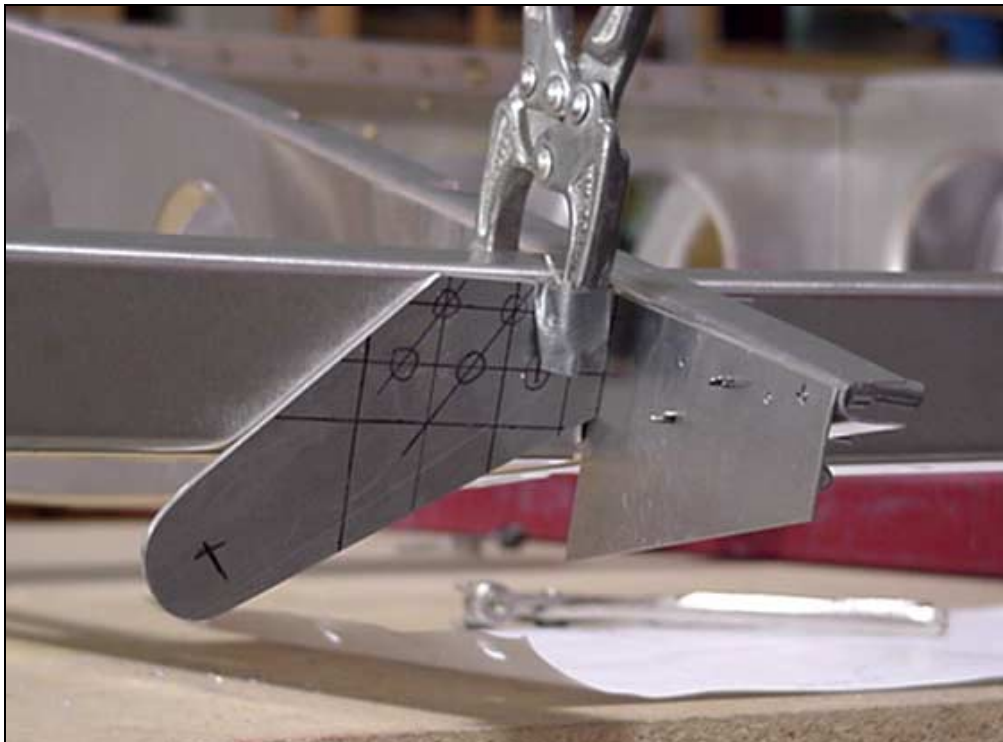
7V4-7 Flaperon Bracket
7V1-2 Rear Rib
'L' Angle

Notice the 'L' clamped to the bracket. Clamp the bracket behind the rear channels 7V6-1 and 7V6-2SP on rib number 1,3,4, and 6.



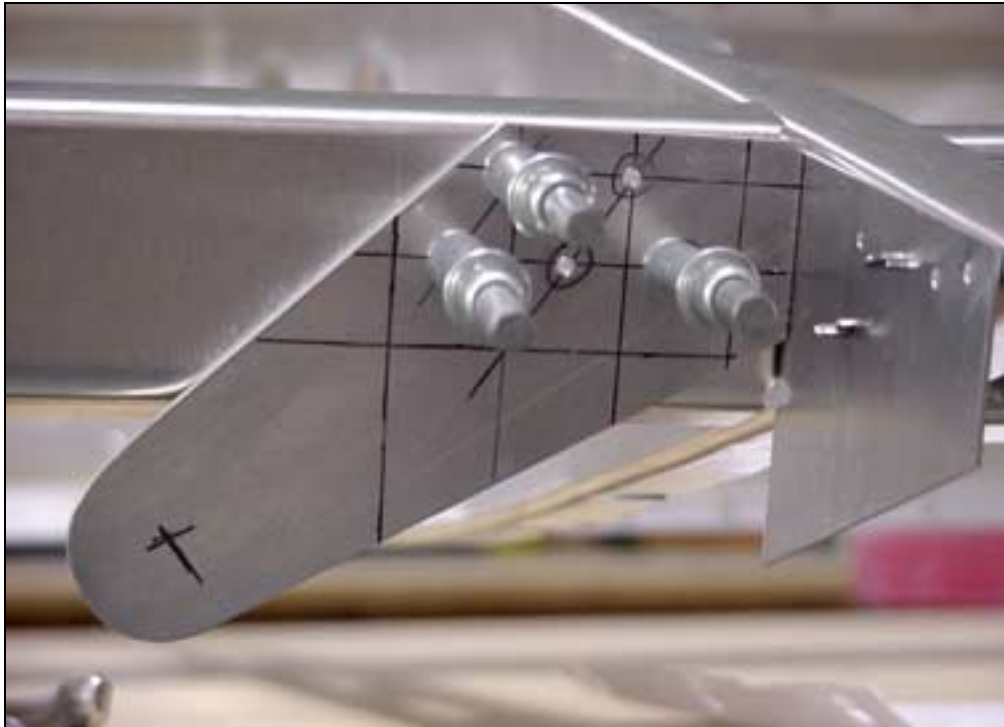
7V4-6 Flaperon Brackets

Adjusting the last hole for proper edge distance on the rib.



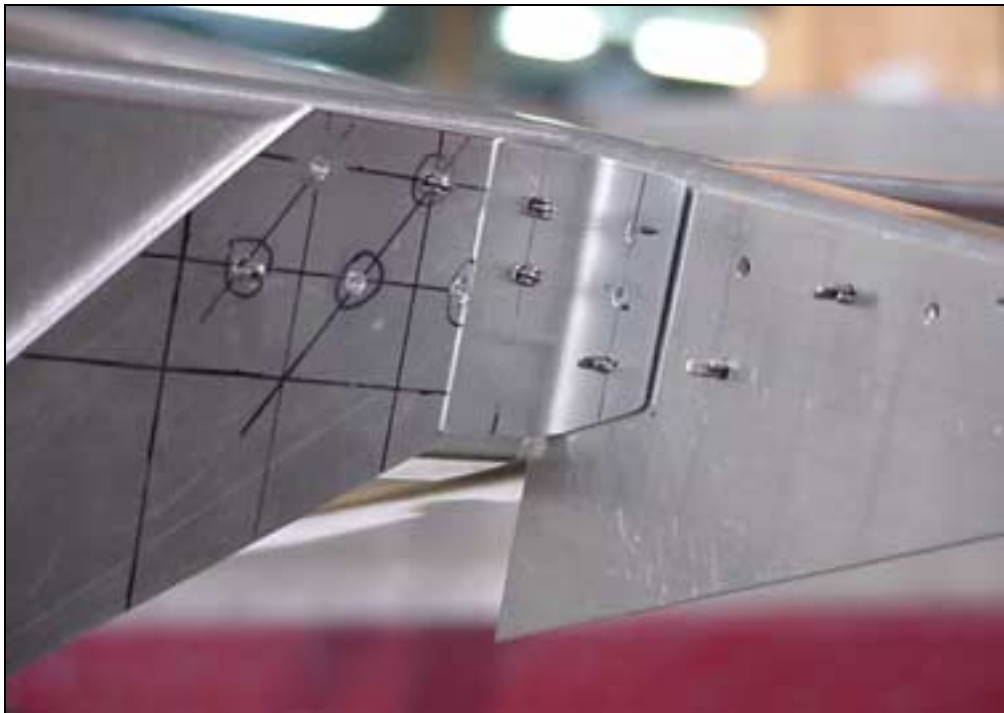
7V4-4 Rear Upper Strut Fitting
7V6-1 Heavy Rear Channel

Cut and layout the rivet holes in the strut fitting. Before drilling, clamp and check to the rear channel.



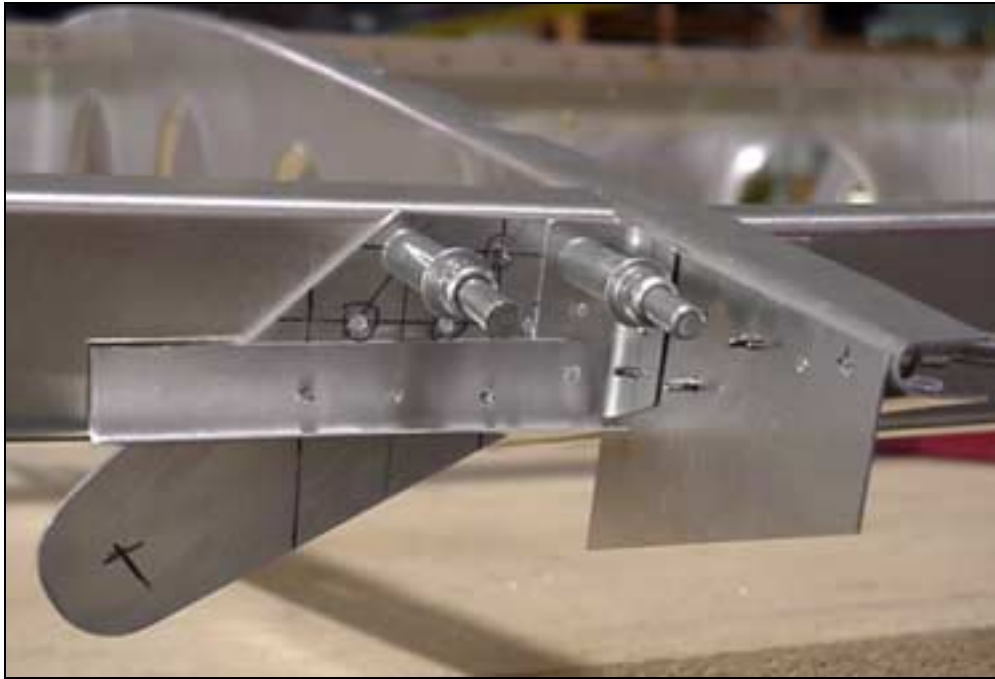
7V4-4 Rear Upper Strut Fitting

Drill and cleco to the rear channel.



'L' Angles

Cut a 40mm 'L' angle and position on 7V4-4 and 7V4-6 and back drill.



7V4-4 Rear Upper Strut
Fitting
'L' Angles

Cut an 'L' angle 80mm long and bend to match the angle of the rear channel. Clamp and back drill to the rear channel.



7V4-1 Front Root Rib
7V4-2 Rear Root Rib

Cut a plate 35 x 40 out off extra material of .025, drill and cleco to ribs. Before riveting disassemble the skeleton, debur and apply corrosion protection.