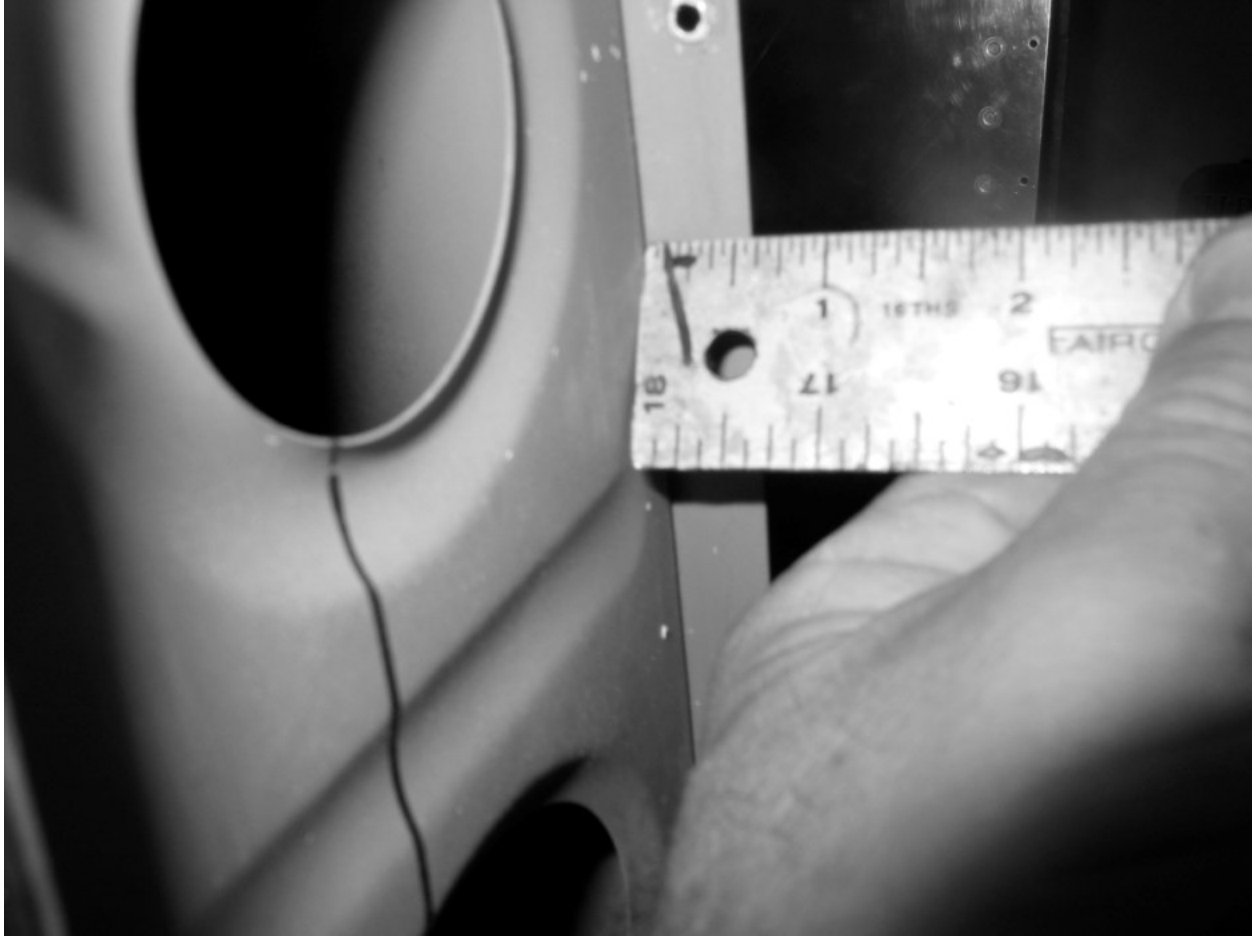


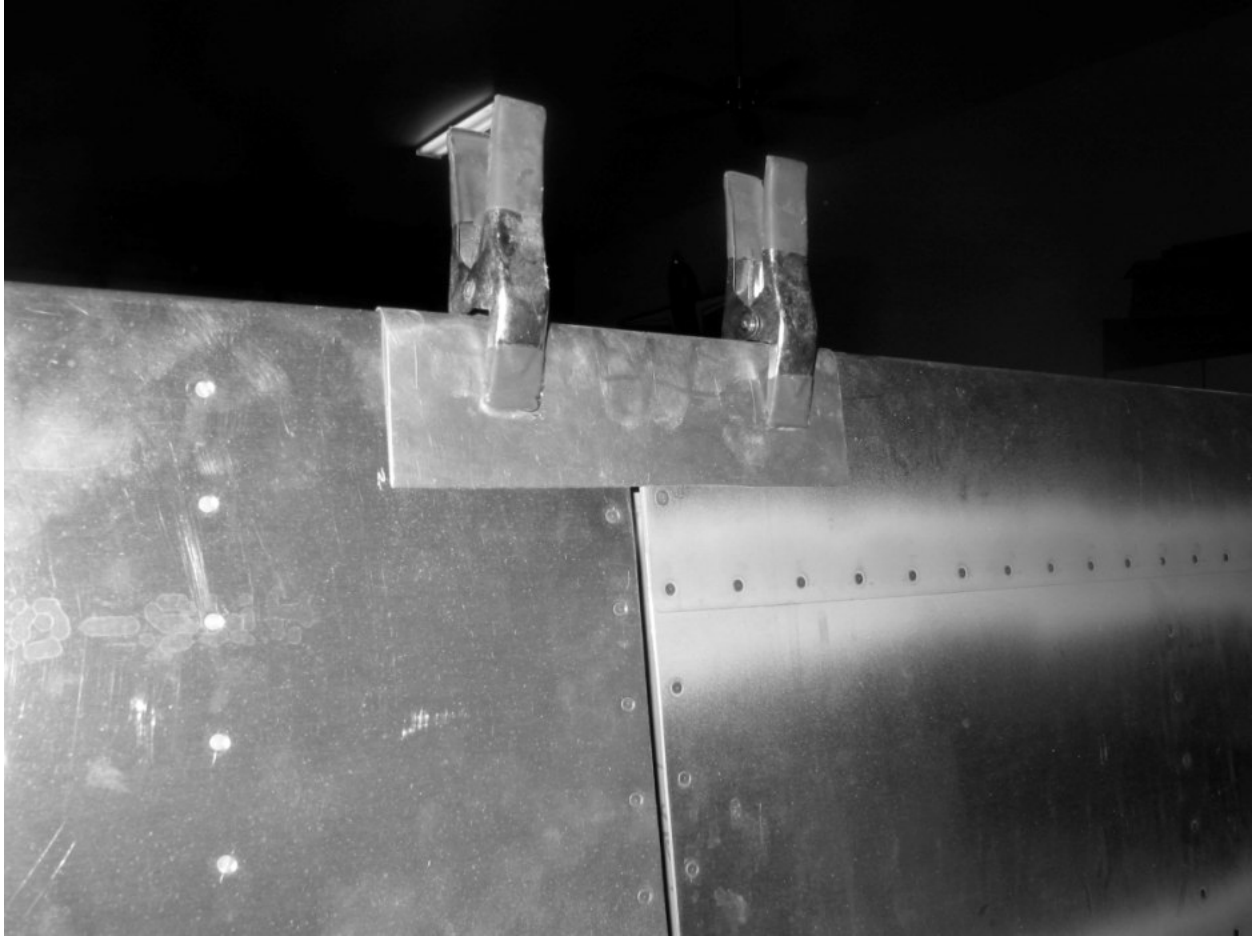
Doug, here are the photos with captions. Let me know if there are any issues. I'm not a computer person, so don't be surprised if it is AFU!!!!



First step is to measure the distance from the joggle to the edge of the glass.



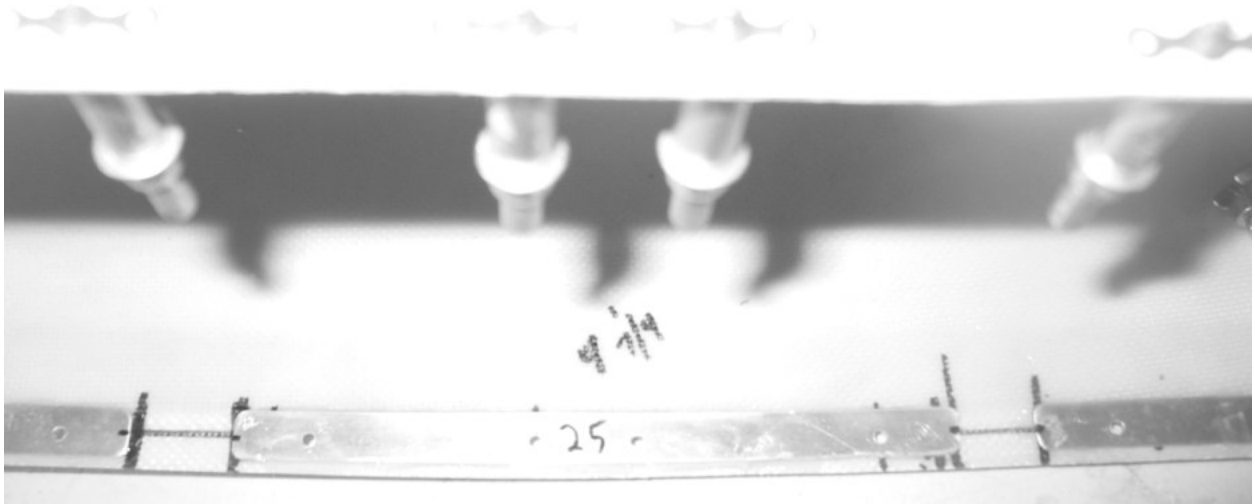
Measure the distance from the tip rib to the edge of the skin. You want the wing tip lip to be slight less than this distance.



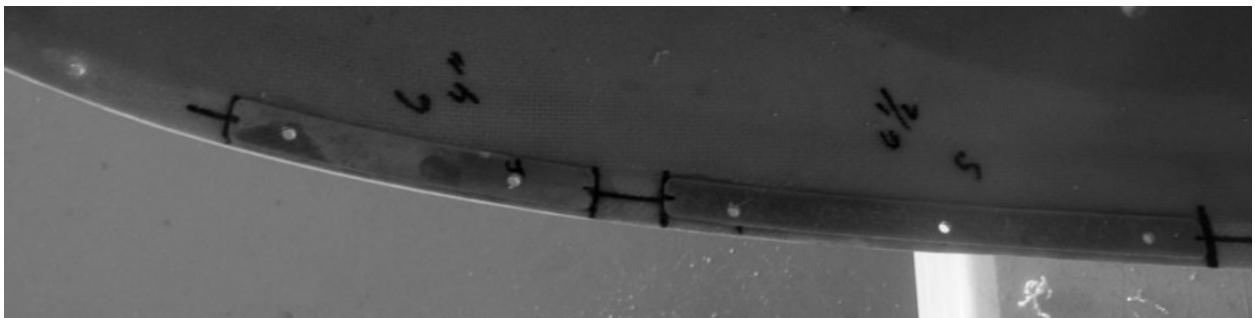
Bend a couple of thin pieces of .025 or .032 metal 6"x4," to achieve similar looking parts. This is the flap/aileron joint. The aileron is locked in place with the bell crank jig.



Sorry for the quality of this picture. I thought I had a better one. You can see the aileron hinge bracket at the top. You are looking to get approximately 1/16" to 1/8th gap between the tip and hinge bracket. Don't get too close. You'll have primer and paint going on there.



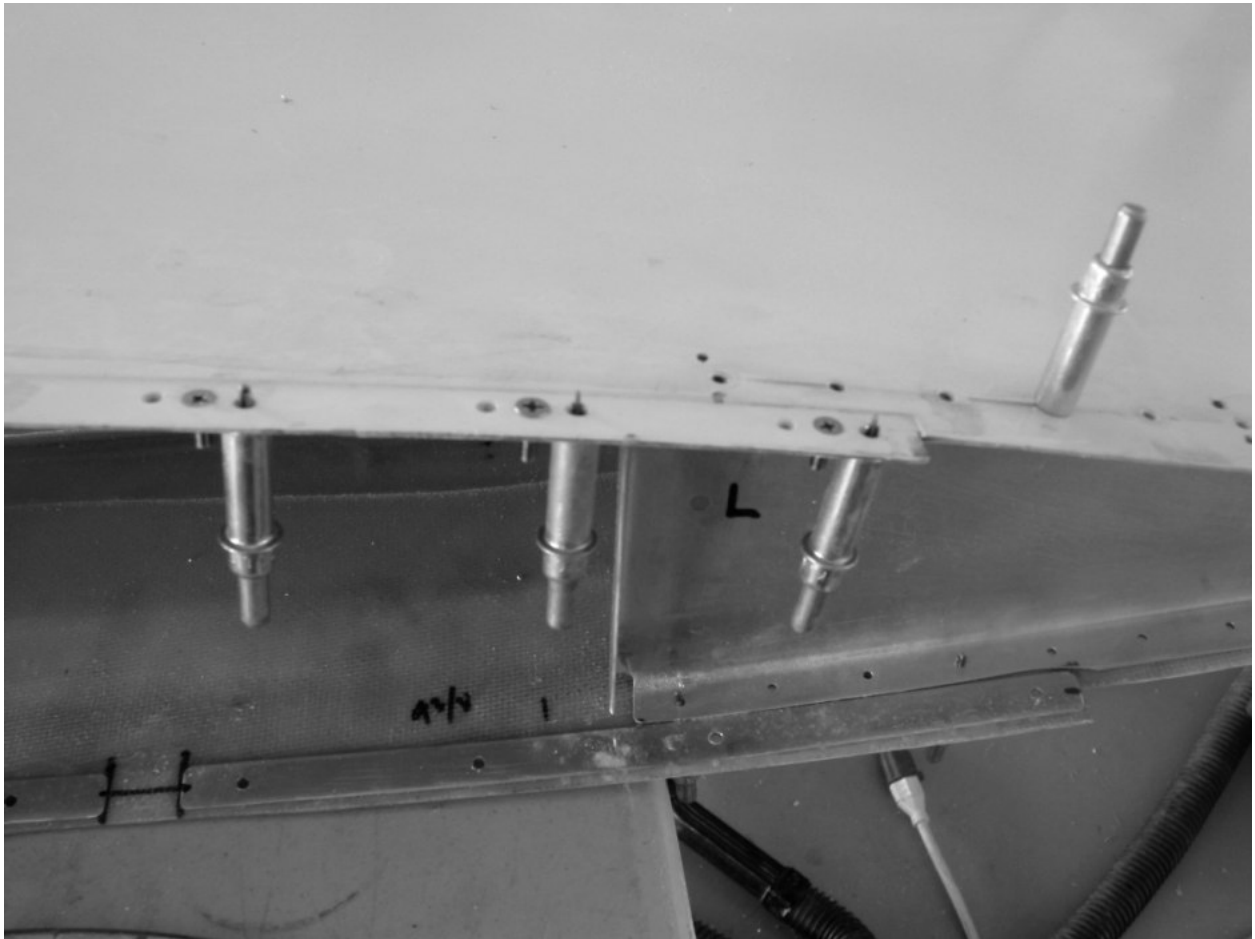
Here's a shot of the reinforcement strips. I cut the strips in manageable sizes so I could 5 minute epoxy to secure them to the tip. I forgot to take the photo earlier and I have already drilled the holes of the nut plates.



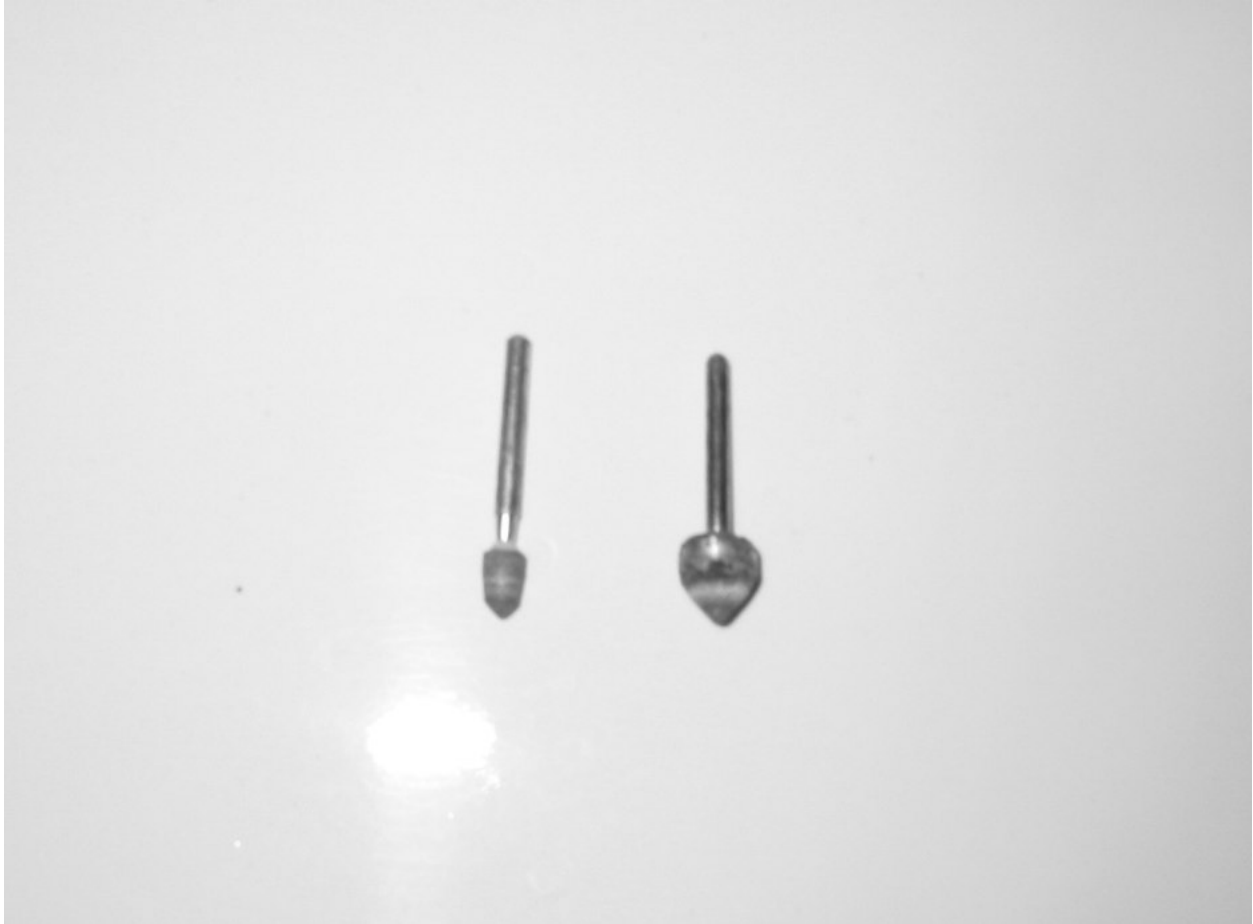
Another shot of the strips. The center hole on the nut plate has been drilled. Also note, there is still a hole without a strip. I cut a small piece for this hole.



Here's the strip that encompasses the Archer antenna. This not only secures the antenna but provides your ground plane.



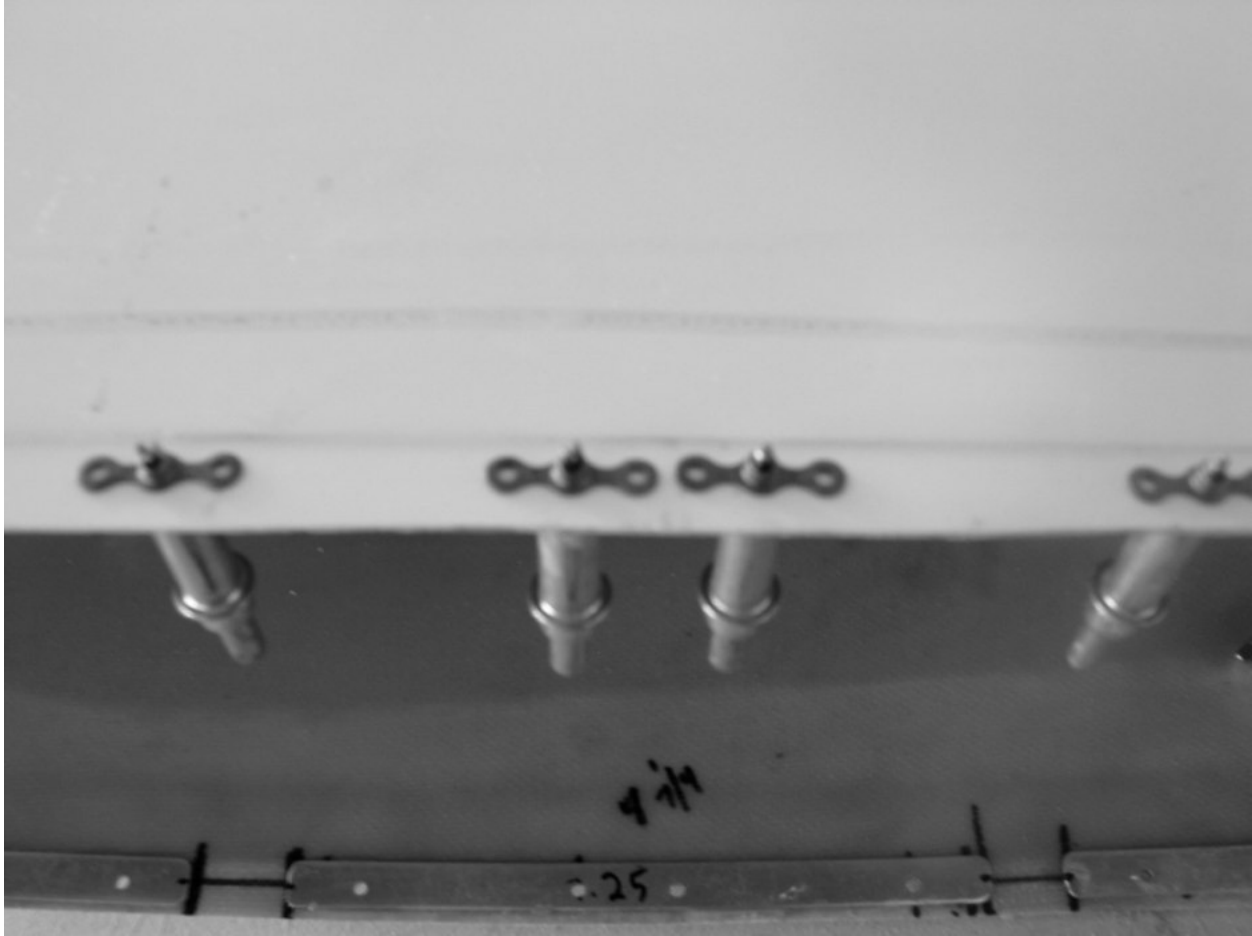
Here's the tip reinforcement rib in place. Depending on your placement of the rib you may have to adjust the edge to conform to the nut plate strip. I cleaned up this fit before riveting the tip rib in place. This method allows you to squeeze standard rivets instead of using pull rivets.



Make two tools that look like this. The process is in the text.



The tools are made from Dremel stone bits like these.



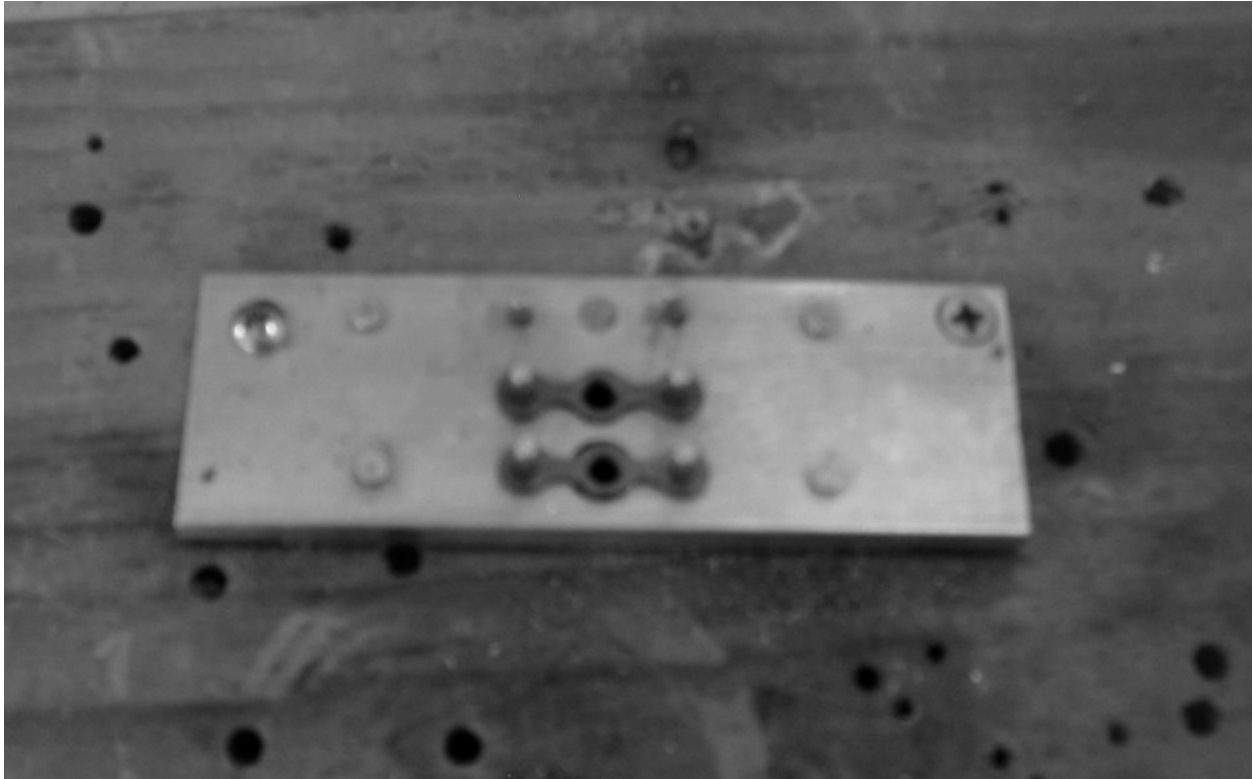
The nut plates are clecoed to the outside for alignment and drilling. Please note, the silver cleco representing a #40 hole in the center. This maintains a perfect alignment with holes in the wing skin. Drill one flange hole, cleco and drill the second hole. Done!!!



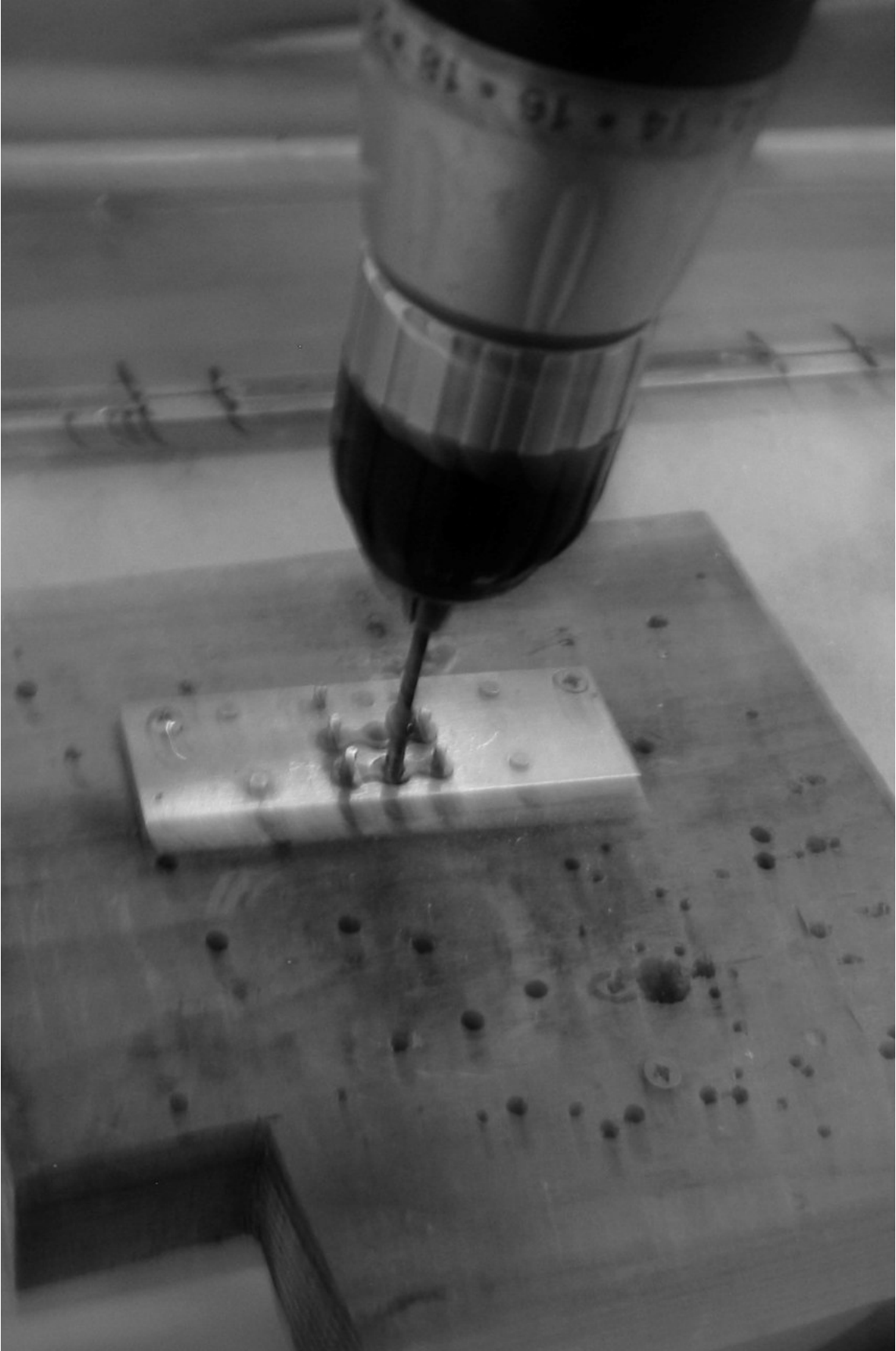
Time to countersink the center hole. Using the Dremel is quick, easy and doesn't destroy any of your expensive tools.



Using your dimple guide, insure you've made the counter sink deep enough.



Not real clear but this is a nut plate seasoning jig used to run a screw through before installing. This makes the screw go in easier and reduces the chance of stripping the screw during assembly. Also, I've found a couple of bad nut plates. Better to find now than after install.



Here a 6-32" steel socket head screw is threaded through the nut plate to "season" it before install. The nut plate jig will be available soon through www.jdair.com