

The difficulty with being passed the Vans Manual plans is always the question : what will I do next ?

As I'm working on wiring and becoming summer time (able to move plane outside with wings on), I decided to tackle the aircraft lightning.

Started with the Aeroleds VX Landing lights. These are lights that Aeroleds produces especially for the RV fleet and contains both Landing Lights as Taxi lights which fit perfectly in the rear tab of the plexi wing tips.

The landing light installation kit comes with a precut wooden template and a nice and clear set of instructions with lots of pictures.

Although the instructions are clear, doing the actual fitting raised a number of doubts.

The little gaps around the cutout area are inspection holes to verify how much material is still visible in the hole and to be able to align that so that finally you end up with equal clearance from the tip border on all sides.

Easier said than done. On one tip, I found that the upper side of the gap was going to be awfully close to the wing tip edge and decided I needed to move the template down a bit.

Doing that creates a problem on the lower side as the wood interferes then with the curved 90° edge inner corner of the tip.

So I sanded a radius on the bottom of the template and tried again. This time got satisfied with the alignment and drilled the two holes which position the template



With the template positioned, you can now draw the countour using the template

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This is how it ended up after drawing. I still wasn't satisfied as I found the upper edge still too close to the tip corner.

As you can see in the image below, I made some epoxy and closed the holes again to restart from scratch :(



After curing, redrilled and got closer to how I wanted it.



Still pretty close but better than what I had before.



20/05/2024 - Aeroleds VX Landinglight 1 - 2h

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Cut out the plexy with the dremel and a cutting wheel and then will continue with sanding drum on the dremel to sneak up to the line.

