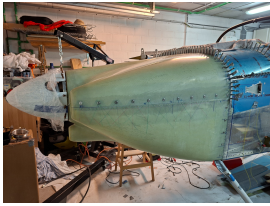


Not a long session but enough to drill the front holes in the top cowl to 15/32" and fit the cowling using all the side line SkyBolts.



I was a little disappointed after all those measurements and moving forward with drilling in steps that I saw there is a minor gap between top and bottom cowl in the front.

I had expected this to be very close to mating.

It's not a big deal, it's epoxy so it can be easily filled and there needs to be a 0.05" gap for painting in the end. But it's never nice to see it didn't end up the way you accurately worked towards it.

I searched quite a bit of time to know how big the paint gap needs to be but I found it in the new RV14 manual on page 45-25 in the initial note of that plan (45-14.pdf):

"In the following steps, the COWL-00001 Top Cowl and COWL-00002 Bottom Cowl will be trimmed to create a uniform gap that will allow for the accumulation of primer/paint. A uniform (equal) gap between components is more aesthetically pleasing than a wavy or angled gap."

it's further specified in step 1 and 2 that follow:

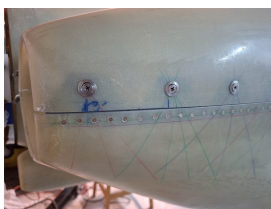
"Step 1: With both cowl halves installed on the fuselage, mark a line on each side of the top cowl .050 [1.3 mm] above the upper edge of the bottom cowl with a fine point permanent marker. " Step 2: Mark a line on the bottom cowl .050 [1.3 mm] forward from the edges of the F-01470-L & -R Fuselage Side Skins and F-01483-L & -R Forward Bottom Skins. See Figure 1"

01/12/25 - Horizontal split line (cntd) - 2h

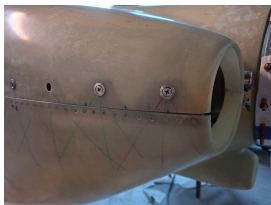
Category: 6.10 Sam James Cowling

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Hits: 452



The same effect on the passenger side.



The intersection at the firewall side, small gap but within painting gap tolerances as well. No need for filling.

