04/10/25 - marking top cowling + positioning top flanges - 2h

Category: 6.10 Sam James Cowling
Published: Tuesday, 11 November 2025 11:38
Hits: 404

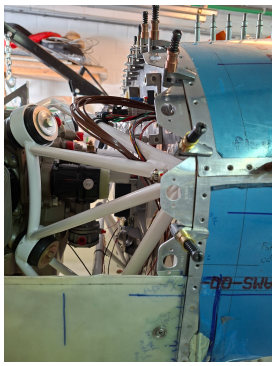
Work on the cowling continues. The next step after hanging the bottom cowl is positioning and cutting the top cowling.

I made an initial marking on the back of the top cowl by positioning the top cowl over the bottom cowl and aligning top and bottom cowl at the front line around the spinner.
Then went back to the firewall and measured back 2 inch from an offset line that had drawn before on the top fuselage skin, 2 inch backwards from the firewall edge. This gives me a first indication of the cut line.

But then I realised that first I would need to position and install the Skybolt flanges around the top of the firewall.

It took me an hour to get an initial spacing that was satisfactory and would leave some leeway at the FSF-L and FSF-R flanges near the cowl split line.

I am using cleco clamps to hold them in place. This works quite well.

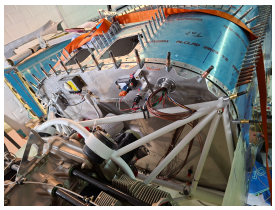


One flange is on the center line, the others are spaced equally (3.4inch) until passed the bend. From there on they are a bit closer to eachother but overall I like this spacing. There 's enough room for the receptacles near the engine mount bolts and the FSF flanges still have some playing room in case the split line will still move a bit.

Phoca PDF

04/10/25 - marking top cowling + positioning top flanges - 2h

Category: 6.10 Sam James Cowling
Published: Tuesday, 11 November 2025 11:38
Hits: 404



Phoca PDF