# 03/12/25 - preparing cowl for front joggle + epoxy first layer - 3h

Category: 6.10 Sam James Cowling
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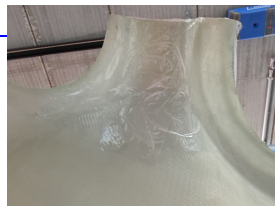
Hits: 427

Cut and sanded the inside of the spinner cutout on the bottom cowling.

You have to make a custom joggle in epoxy that sticks out from the bottom cowl and catches the top cowl. 4 screws hold the top cowl to the bottom in this location.

This is a custom work which requires you to layup epoxy cloth on the area between the spinner and the cooling air rings on both sides.

I started by putting transparant packing tape on the inside and outside of the top cowling. You will need the top cowl as template to layup the cloth.



I wanted to make sure things release easily so I added some coats of wax on top of the packing tape

I used the some scrap pieces of aluminum to hold the top and bottom in alignment at the spinner.



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Added an additional piece of scrap on the front

In this orientation, I was able to reach into the cowl from the rear. Not very convenient with the sticky stuff on your hands, but it works.

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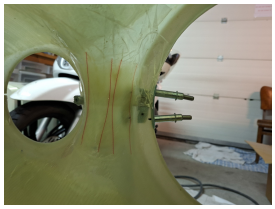
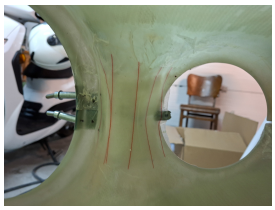
First layers of epoxy done. I'm counting on 3 to 4 layers but I decided to stop after the second layer for now and let it dry as the cloth showed tendency to disconnect from the surface.
Added some peel ply to prepare for the next layers.



Passenger side.





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