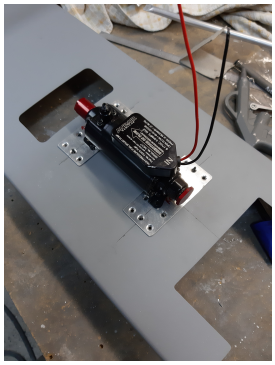
24/12/2019 - cabin cover solving problems - 8H30

Category: 3.12. Systems
Published: Thursday, 06 February 2020 03:33
Hits: 1056

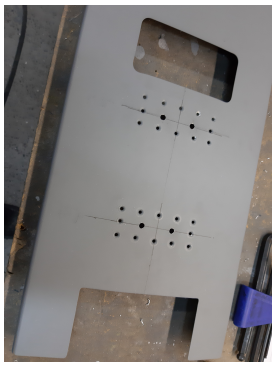
Started solving my fuelpump issues on the center cabin cover. Now that the feet on the fuel pump are #19 again, I need to cover the #12 holes in the center cabin cover with some doubler plates.
It's actually worse than that because the support angles underneath are also drilled #12. Another sample of how a minor screw up can cost you easily 10 extra hours of work.

I made two doubler plates which I drilled on the cabin cover with for multiple AD3 rivets

Here's how it will look like. All holes drilled, deburred and dimpled.



Same for the cover itself.



I also had to drill out the holding arms on the support brackets and invert the direction so that the othe side could be re-used for

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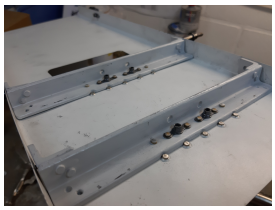
drilling. These two bracket sizes are overkill for the fuel pump support so couple of extra holes in it won't hurt anybody. Had to deburr, countersink and reprime those again as well as the reinforcement plates. Used a brush to put the primer on. Not as nice as spray painting, but all this will be under the fuel pump dog house cover.

Then back rivetted the reinforcement plates on the cover.

Nice job, holes are back to #19... phewww

Ten found out I actually drilled too close to the center for my reinforcement plates. I had to grind off little of the angles in order to give room for the rivets. Again no big deal but always a dissapointment I didn't think of this earlier.

Rivetted the angles on



Now the fuel pump fits very nicely with the right size screws. They are still on backorder at spruce so I'm demonstration it here with 8R8 screws.

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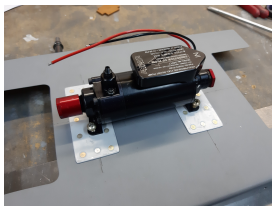
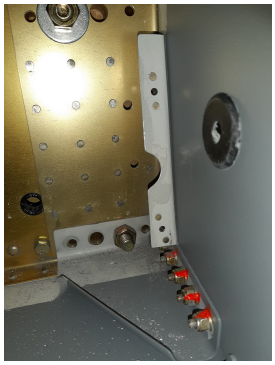


Next wanted to continue on the fuel lines and found out my outer support bracket for the fuel line cover didn't have the notch made yet for the grommet that goes in there and holds the fuel line.
Quickly took care of that, sanded and fortunatly has some wet primer paint left to touch it up with a brush.



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