23/03/2019 - Air vents installation - 10h

Category: 3.9. Forward and Center fuselage
Published: Saturday, 04 May 2019 16:56
Hits: 1020

Time for some funky stuff, off the plans and manual.

At some point at installing the foward top fuselage, the manual calls for installing the SV-5 vent outlets and SV-2 vent adapter.

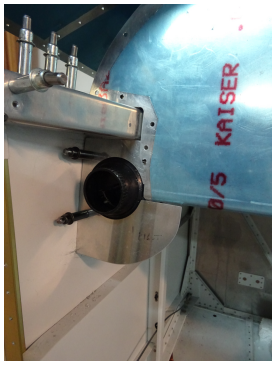
I didn't really like the simplistic approach of the Vans plans and decided I also wanted my headset jacks to be located on the side underneath the air vents.
Looks like a nice location where the wires are out of the way of the center console.

To do so, I needed to make a small aluminum front plate that covers the airvent as well as some space for the headset jacks.

Wise people once said: If you don't follow the plans, you'll end up losing a lot of time. In the end, it turned out that wise people are always right.

I spent 10 hours on these things trying to get the right shapen and trying to get them in place.

After cutting the first one for the pilot side, here's what a first trial fit looks like.



Back view. You will have noticed that I had to make the F-793-L vent bracket longer. This supports the vent adaptor but now also gives extra support to my jack-plate.

Let me call the aluminum front plate the vent-plate to ease the explanation.

On the inboard side of the vent, I made an aluminum angle which is rivetted to the vent plate.

The other side of the angle has a #19 hole for a 8R8 screw that will attach to a nutplate which I installed on the bottom tab of the

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instrument panel (not in the picture)

The angle secures the inboard side of the vent plate.

Did the same on the passenger side.

Here's a view of the parts. As your can see, the top part slides behind the instrument panel and the bolt holes for the vent lines support also the plates.
Underneath I drilled and temporarily installed the two jacks for the head sets.

Back side view.

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Another task out of the way and getting closer to priming again.

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