**31/12/2018 - Seatback rivetting - 7H**

Category: 3.10. Baggage and seats area
Published: Thursday, 10 January 2019 13:43
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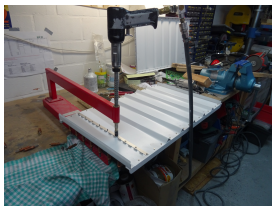
Rivetting continues with the finishing work on the seat backs.
I clecoed back the two 2 back and 2 front side angles and attached both hinges. Every hole gets it's #30 cleco.

All the side angles rivets and the bottom row could be squeezed using the pneumatic squeezer. So that's always convenient.

Now for the middle row of rivets and the top row, the squeezer yoke isn't long enough to reach either in or over in case of the top row.

For those, i used the good old C-Frame back rivetting technique. It's actually a pretty neat way to do it and work great all the time.
You just insert the back rivetting set in the hole of the C-frame and then put the gun on top of it. The bottom holds a cupped dice where the shop head rests in.
For larger pieces like this, it's off course easier as a 2 person job.



Another view from underneath. Make sure the piece lays perpendicular to backrivet set for horizontal shop heads.



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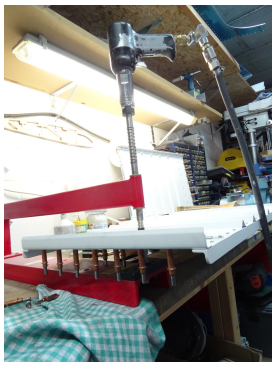
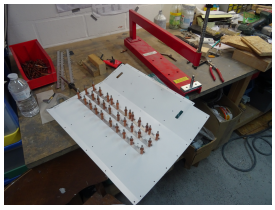


It works so well that we did the same thing for the hinges on the aft seat floors.



Selfie shot with Alain positioning the seat pan. I just have to trigger the gun, he's doing all the heavy work :)

When all that was done for both pilot and passenger side, I decided to permanently attach the baggage floors to the ribs.
I have conduit passing through and there's plenty of place to drill the flap connectors so I see no more reason to postpone this.
First I did a final inspection of all rivets and holes underneath and then closed it down.



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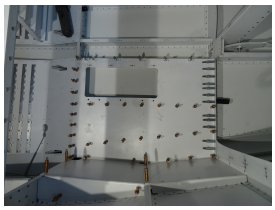

Pulled all rivets with the pneumatic pop rivetter. Damned easy job. Now you realize why a sonex and an RV-12 is put together in half the time of an RV-7.

Don't rivet the front row yet, it will be rivetted together with the back row of the aft seats.

In the next shot, I also squeezed and shot all the solid rivets in the back of F-706 bulkhead and on the tunnel cover side. It's actually a very tiring job to lean over all the time and squeeze them.
And reminder to self : "I start hating those freaking nutplates."

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