06/01/2020 - Bent outer fuel line - 2H

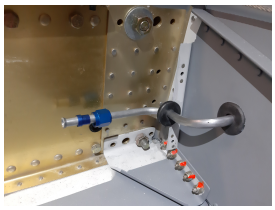
Category: 3.12. Systems
Published: Saturday, 08 February 2020 02:42
Hits: 1103

Now here is where it all went south for me on the fuel line installation. The part you see in the image below is the line that takes the fuel from the gascolator, brings it in through the grommet in the side skin and makes a double bent to reach the AN815 joint in the outerbay behind the fuel cover panels.
This looks easy but it's a horrible piece to make.

The image below illustrates the frustration of making the outer bend and the amount of scrap I generated trying to do so.

The two inital bends start fine but getting the angled outside bend just in the right spot is a nightmare. Making the I had to gently tweak things a bit by hand to get it finally right.

In the image below, you see the completed part from the inside.



And here is the outside view. Most builders have a nice crisp bend here on the outside towards the gascolator in port but with my bender, I just couldn't get it close enough in the bender to make a shorter bent and at the same time not scar the tubing. So I ended up with a gentle outside curve. As my friend Gordon said: "the fuel won't notice it's taking an extra turn".

Overall I'm reasonably happy with the result but it could have been

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better with more prior experience.

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