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Continueing on the outboard part of the fuellines. To achieve that, I need to make the fuel line that penetrates the side skin through a grommet and bring it back with two nasty bends to the joint point. If that's is'n difficult enough, I have tp make another sharp bend to connect the line to my gascolators which will be hanging from the side skin.

But first, I need to hang the gascolators. I didn't see brackets on the Andair website so decided to make some myself. I asked my friend Gordon in Wollongong for some advice on these as I recalled seeing one of my pictures where I saw his homemade brackets. He was so kind to send me plenty of pictures and advice and this got me going. Thanks again Gordon. Aircraft building is such a nice community of people helping with advice and encouragement.

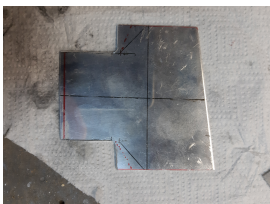
Here 's the production process of my gascolator brackets.

I first cut the rough shape out of 0.064" sheet aluminium. Then using the drill press drilled 2 holes for the smooth curve points.



I scratched my head a couple of times on final dimensions and especially the distance of the connection point of the gascolator which will define the distance of the gascolator from the side skin. It shouldn't rub against the skin and you have to be able to remove the cup but on the other hand, it also shouldn't hang way outside either as this might increase vibration and shake the line.

The tapered line at the top will follow the rivet line on the side skin.



Did the same thing for the other side.

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Then made the 90° bend on my small metal bending break. I got this at Harbor Freight and it came in really handy some times already. On the second one, although I was thinking about it before, I bent the tab in the same direction... so I had to remake another one as they have to be mirrored.



Then drilled the 2 holes on the top for the AN4 bolts after measuring multiple times the distance from the side skin. I left a lot of material on the front which will be grinded away later on in the process.

These two bolts will be safety wired later on on final installation.



It takes some patience and carefull measurements on this. You can always trim left and right later but the distance from the backing plate is crucial.

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And here is the finished part. I still might trim the top down a little more after drilling it to the skin up to a comfortable min edge distance for the 8r8 screws.

The notch in the middle is where the primer line connects. I won't have a primer as I have injection but still the hole is there in the Andair part so I'll have to plug it.



That's how it looks with the gascolator on.



Then place it level on the side skin and made sure I had enough room for the line coming in and out. The position where they are on is very comfortable.

The test piece on the right is not the actual line. It's just a test piece bent to check the alignment.

On the other side, the 8R8's are thightend with nylon nuts and small washers. Broke my head some time over that until gordon told me there

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are nuts that fit on the 8R8 screws... deuh... should have known that.

Last picture shows the bracket in place. Time to prime it now.

