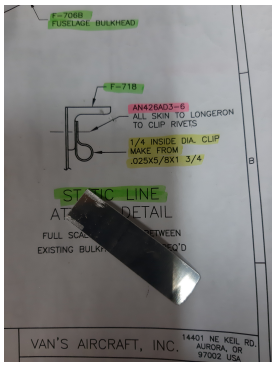
11/11/2019 - making static line clips - 2H

Category: 3.9b. Top Fuselage
Published: Thursday, 05 December 2019 15:25
Hits: 979

In order to install the static line. I needed some more clips to hold the line and route it along the longeron.
Since this isn't documented on many sites, I decided to make some more pictures than usual and explain the way I did it.

First you cut a piece of aluminum of 0.025 material and make sure the width is the correct size. You can keep it a little longer and grind the excess off later to make it match perfectly later.



Then I draw a line on the piece where the bend will need to start. The size that remains is more or less the height of the longeron leg.

This line will be the point where we bend the piece. First I clamped the piece in the vise on the line and used a square angle to ensure that it's perpendicular.

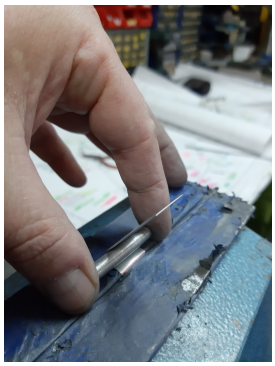
Phoca PDF

11/11/2019 - making static line clips - 2H

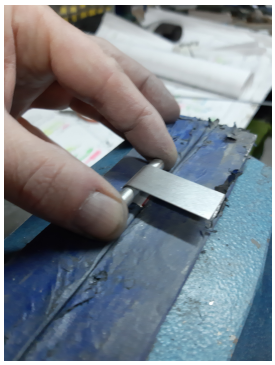
Category: 3.9b. Top Fuselage
Published: Thursday, 05 December 2019 15:25
Hits: 979

Next, using a rubber mallet, tapped down the piece on the jaws of the vise.
I looked for an aluminum tube more or less the same size of the safeair static line kit plastic tubes. The vent ine has the same size so a piece of scrap tube from that will be of great help here to make the bend.

I lay the tube on the end of the bent tab and then pull the plate over the tube.



Here, it's almost completed to the limits where you can get it in the vise.



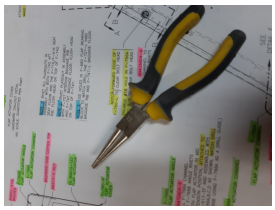
Removed it from the vise and continue bending by hand and using some pliers.

Phoca PDF

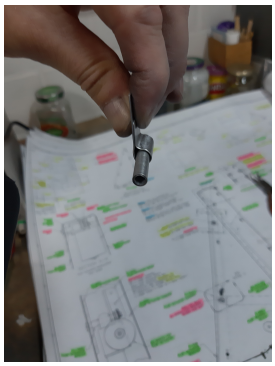
11/11/2019 - making static line clips - 2H

Category: 3.9b. Top Fuselage
Published: Thursday, 05 December 2019 15:25
Hits: 979

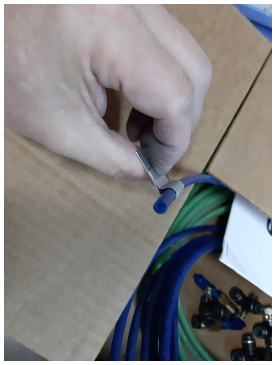
I foud these pliers with rounded jaws really helpfull tweaking it to the final bend.



And here's an example of a finished clip.



And the proof of the pudding, is in the eating off course. So got some of the plastic tubing out of the safe air kit and tested it.

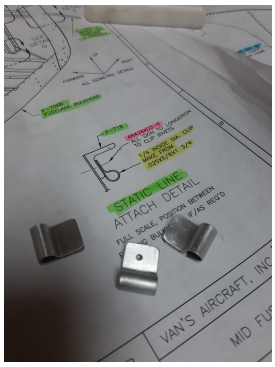


Here are some more clips made.

Phoca PDF

11/11/2019 - making static line clips - 2H

Category: 3.9b. Top Fuselage
Published: Thursday, 05 December 2019 15:25
Hits: 979



Finished the day by installing and torqueing the an3 bolt that hold the shoulder harness in the back of the fuselage.

Phoca PDF