30/07/25 - Starting Baffles - 3h30

Category: 6.4 Engine baffling / cooling air
Published: Thursday, 04 September 2025 13:42
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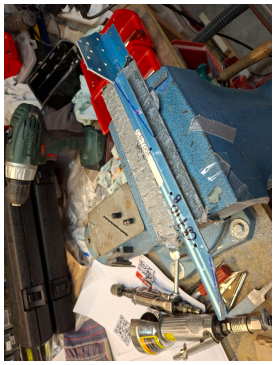
Starting engine baffling. I purchased the Vans Aircraft IO360 baffle kit. The Sam James manual also gives cut out plans for baffles but it's much more convenient I think to use the Vans kit and adapt it. I cannot fully install it as is because I'm using the Sam James plenum. This plenum lays much lower on the engine and creates a high pressure air chamber above the engine. The Vans baffle kit is using flexible rubber sealing against the top cowling. The plenum does not require this and is a much nicer solution but it means that the top of the baffle kit will have to be shortened quite a bit in order to fit nicely with the plenum. I couldn't think of anything other to start with for now so I'll take this as far as I can for now by following the baffle kit plans until I hit the forward side of the kit where the differences become too large.

Started by making cleaning and deburing a lot of the small parts described in the first parts of the manual.



I forgot how much time it takes to clean edges, 3M polish edges and sand the parts.

In the end of the session I got at least some of them ready. At least I'll know what to do in the next days. There are plenty of pieces.

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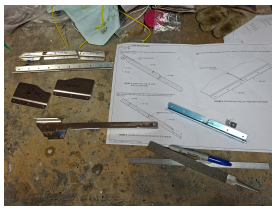

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