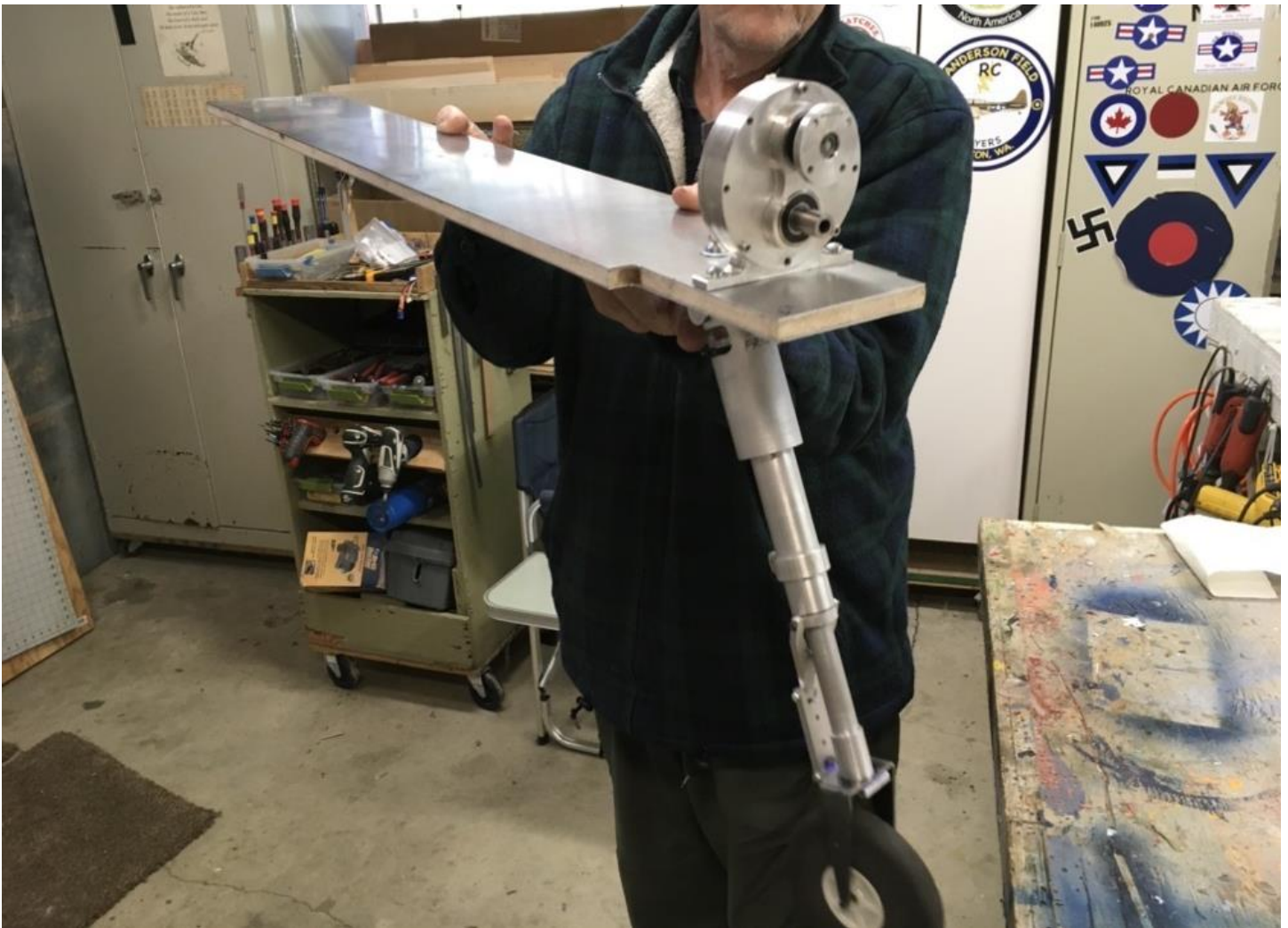


1/4 Scale P-39 Build.

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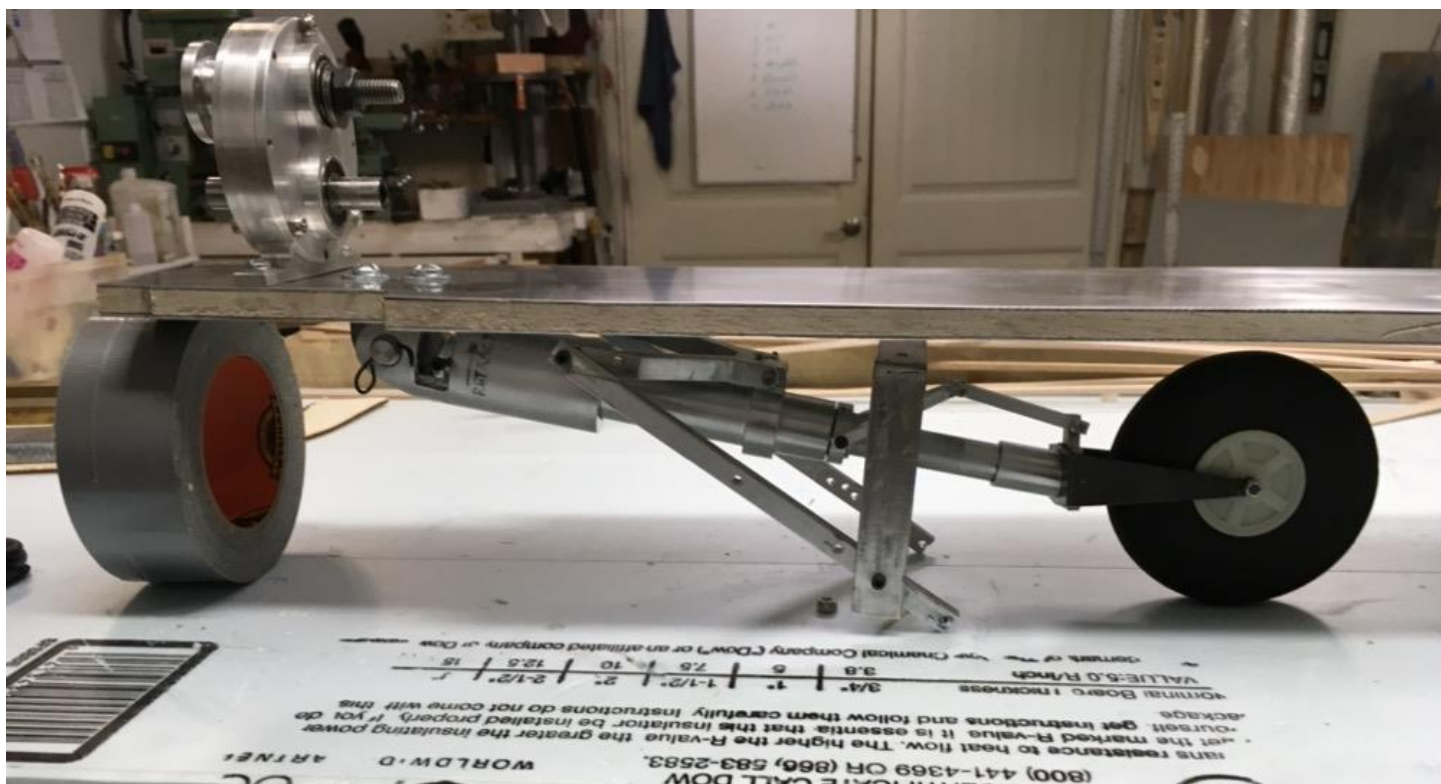
Paul Fleming and Jim Lake
2/27/2022

The permanent Torque Plate arrived to day for it's first fitting. With the nose gear partially installed we can now see how well things fit in the fuselage. "Just like it was born there" pretty well describes it.



Although the Nose Gear is not completely finished, even with the temporary struts and bracing there are no clearance issues. Next, we locate the Torque Plate mounting holes.

After the foundations are completed the full power train will be assembled and mounted on the test stand.





A few days later we hit a small snag. While lining up the Torque Plate noticed a small deflection in the Propeller Shaft. It is possible the nose bearing holder would prevent a small wobble this from becoming a problem. We developed a couple of other solutions,

but in the end, Jim decided to redesign and build a new propeller shaft. The forward coupling has been removed; the shaft is now a solid steel with the driving gear pinned in place. What is most interesting here, both ends of the shaft have opposite direction threads. Now rotation tightens the nuts on both sides of the Gear Box.



The new shaft has been run up over 2000 rpm with no deflection.

On another note, we did find a shop that will water cut our nose bearing mount. As soon as it arrives, we will be back on track.

Last entry: 3/4/2022