

PRECISE FLIGHT

A Cub Style Control Stick Designed and Produced by Vintage AeroFab LLC

Patent Pending

YESTERDAY'S PARTS MADE TODAY

VINTAGE

AEROFAB



WICHITA

KANSAS

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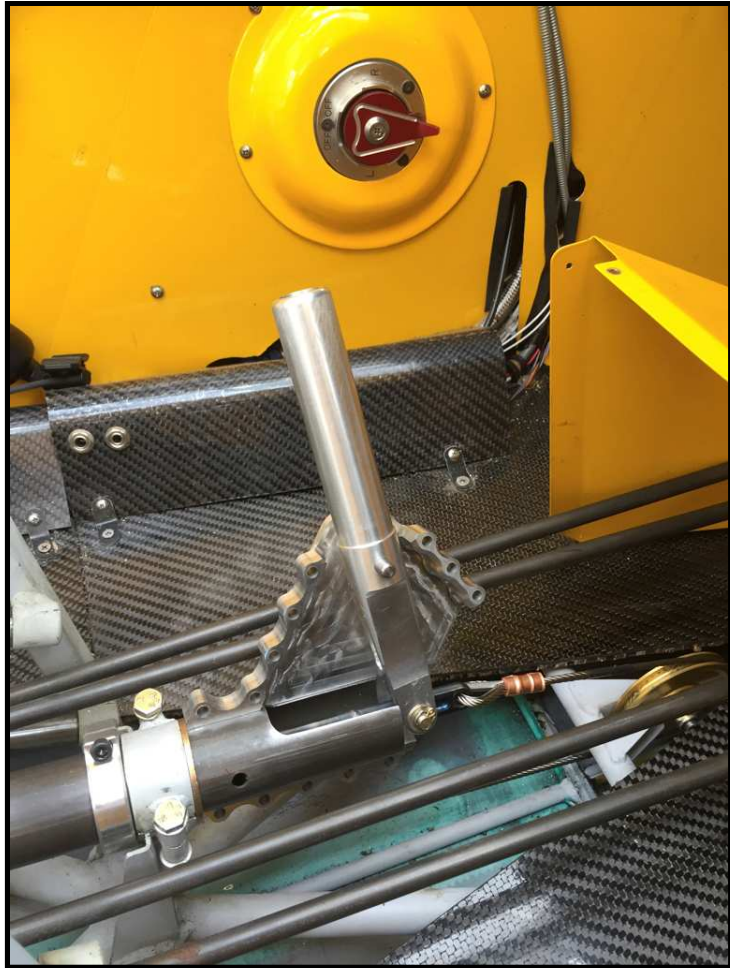
PRECISE FLIGHT

Precise Flight by Vintage AeroFab has refined the pilot experience in their aircraft by perfecting the one item used for the duration of every flight

- ✓ New design eliminates hysteresis or play felt by the pilot with use of tight manufacturing tolerances, precision bearings, and a robust design.
- ✓ Rear stick and mast assembly can easily be removed without disturbing cable tensions.
- ✓ Removal of the rear stick and mast mitigate the dangers of locked controls due to baggage, load shifts, or inexperienced passenger input into the stick. Original design only allows stick removal. **Precise Flight** leaves **ONLY** the torque tube in place.
- ✓ Eliminates steel-on-steel bearing surfaces used by the original 1940s Super Cub torque tube and stick design.
- ✓ All bearings are replaceable sealed ball bearings and graphite impregnated plain bearings. Graphite impregnated plain bearings will not attract dust like an oiled bearing. This prevents premature bearing and torque tube wear.
- ✓ Light weight design will assist with useful load (4.3 lbs aft stick removed)
- ✓ Provides a harmonious feel to the aircraft flight controls. Add precision to your landings and eliminate the slop felt while making small inputs during cruise.

Vintage AeroFab LLC is currently designing this Super Cub control stick in titanium.

“Yesterday’s Parts Refined for Today”



Vintage AeroFab LLC is a family run business located just North of Wichita, KS, “The Air Capital.” Our location near Wichita is a benefit that gives us access to many manufacturing processes that would normally be sent out across the country. This allows us to consult with these vendors in person if issues or concerns about a process come up. Chrome, cadmium, nickel, anodize and other platings can all be done locally. Our vendors do not apply platings or perform NDI using a general industrial process. They follow strict aerospace specifications to ensure our parts are held to the highest quality standards.

Quality control of our products is something we take pride in. All materials used in our shop have certifications attached with them. When new material is delivered to the shop, a number is assigned to it and the accompanying certification. This number is painted on all material to ensure it can be tracked as it moves through the shop. The plating and NDI certifications are also tracked in this same manor.

Vintage AeroFab LLC builds parts using CNC mills and lathes as well as manual mills and lathes. We have sheet metal capabilities with shears, rolls, brakes, sanders, as well as horizontal and vertical band saws. We also perform TIG welding on steel, aluminum, magnesium, titanium, inconel, and stainless steel.

We do a lot of work with the Staggerwing community and the Warbird community. We specialize in recreating obsolete or hard to procure parts for many aircraft. Our newest customer base is the classic jet community. We are producing Marchetti S-211 parts upon owner request, as well as tooling needed to support these aircraft.

Prior to starting **Vintage AeroFab LLC**, our founder worked for ten years as an A&P at Cessna Aircraft Company in the Experimental/Engineering Dept. This experience allowed him to work an aircraft from concept all the way through FAA certification. While in Experimental, he worked part time for a Warbird restoration shop on everything from a J-3 Cub to a Grand Champion Grumman J2F-4 Duck. From Experimental he moved on to Customer Support as a tech rep on the Citation X for eight years. This experience was a great customer-facing position that allowed him to troubleshoot a complex aircraft and work through customer concerns and issues.

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