

PREFLIGHT

MAY 2018

VOLUME 3 ISSUE 5

Huey 823 Restoration Progress



Steve with his pressure gauge metering system at work searching for possible leaks in the fuel system.

This month we are getting a little technical with our readers. How can you check the UH-1H fuel system without adding fuel. Troubleshooting manuals say to pressurize the system with 2.5 PSI air pressure. Ok but that raises a series of questions. How do I add metered air to maintain the 2.5 PSI? One of the luxuries of having a resident engineer and Huey mechanic (Steve), is to solve these issues. A few minutes in his home shop and a complex yet somehow tidy pressure gauge metering system, nozzle, and pressure

regulator were created. We looked at a number of places to add air pressure that would help us find the possible leaks and found a useable vent line in the secondary hell-hole behind the center aft fuel cell. This device and a continued search with soapy water provided the evidence of multiple leaks—all now solved. The leaks were on hoses that exceeded 30 years of age (and some older). We have replaced hoses, rebuilt fittings, changed multiple preformed packings and now the aircraft is fueled! But there is still work to be

done before first flight. Lots of changes are occurring as we get ready to put 823 in the air. We are updating our overall look as you can see from the shirt to the right. Be sure to visit the website's [online store](#) for new items that help support our efforts. Also follow us on Facebook to see the latest news. On Facebook you might see occasional requests for parts or technical info from the mechanics. All of your help and support is greatly appreciated by everyone back at the hangar.

POINTS OF INTEREST

- Volunteer Profile
- Upcoming Events
- Wheels and Wings



We are updating our look. To honor our new look we have added some fresh items to our website's [store](#). Pick up some new merchandise and show that you are a proud supporter pf #Huey823 and Liberty Warbirds!

Volunteer Profile

Nic (pictured right) served three years in the Army as a Field Artillery Radar technician with the 25th Field Artillery Battery in Germany. He is currently working as an illumination engineer designing complex lighting solutions for major corporations. Here at the hangar, Nic is production control supervisor and is our safety officer. He has always had a passion for aviation—He flies fixed wing and rotary wing aircraft. Nic is eagerly awaiting for Huey 823 to get airborne and out to the veteran as well as the civilian community. Nic will be one of our pilots on Huey 823. Soon, Nic...very soon!



Nic flies fixed wing as well as rotary wing and is looking forward to flying Huey823.



Recent visit to the hangar by some of the members of the Central PA Gold Star Mothers. Mary's (seated—soon to be 96 years young) son served in Vietnam. We were honored to have her and all the mothers visit us.

Upcoming Events:

Visit us on any Maintenance Saturday!

Maintenance Saturdays in June	2,9,16,23,30
PA State VFW convention-Gettysburg	Jun13-17
<i>Wheels and Wings</i>	6/23
Huey will be out of hangar for W and W	

Wheels and Wings

Anyone in the area of Lancaster Airport on June 23 be sure to stop by and visit with Huey 823 and crew. From 10-3 our Huey will be out of the hangar for the annual [Rotary car and motorcycle show](#) held on the grounds of Lancaster Airport 500 Airport Rd. Lititz PA. Always a popular event and we hope even more so with the addition of the Huey out on the grounds.

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