Team Rocket
www.F1Aircraft.com

Team Rocket Newsletter January 27, 2021

In this issue:

- General updates
- Building tips - optical enter punch, bulkhead pass-thru, rivet organizing, etc
- Mega building tips - J.J. Janovetz photos... and some of it for sale too.
- Stuff for sale - used F4 exhaust

General updates: Super condensed version.

- The next batch of tail kits should arrive next month.
- There are a few slots, very few, left for a Phlogiston wing spar and center section. We've had some serious delays due to Covid, wildfires in Oregon, and other snafus, but we're optimistic that the first spars should be delivered soon.
- We've made a few sets of partially pre-punched fuselage skins and got them out to a few beta-builders. If, and that's a big if, they work out, we'll offer them to others ASAP.
- We mentioned this previously, but we're getting much closer to being able to offer main, nose, and tank ribs for the Sport wing. Combine this with the Phlogiston spars and center sections and you're getting danged close to having a complete Sport wing set. Do us a favor and let us know your level of interest. Emails appreciated! vince@f1aircraft.com
- The new tapered wing work continues. Materials to build the first prototype spars are arriving soon. The leading edge fixture is in the shop. Still no promises being made, but we hope to have something to show at Oshkosh this year.... if there's a show. Maybe.

Sport wing ribs: Top view

Bottom view

Random building tips and products:

Tip #1: Commercially available, or make your own. An optical center punch allows you to very accurately place a punch mark exactly where you want it. Useful for drilling out rivets, or fabbing a new part to tight tolerances.

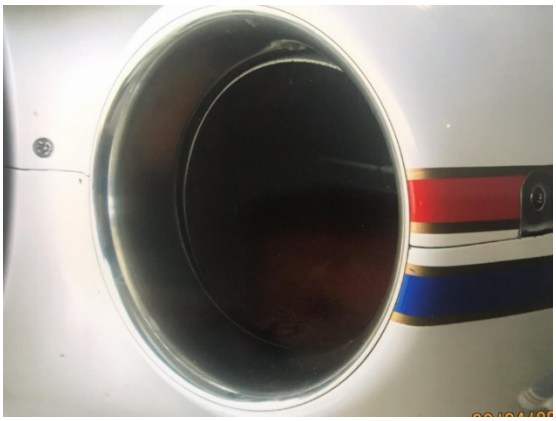
The device is centered on the spot to be marked, held in place, then the punch is swapped with the lens and tapped to mark the spot.

Tip #2: There are many fittings commercially available (left 2 fittings), but there are few bulkhead fittings that are as useful as the EZ fittings (right 2 fittings). They allow an NPT fitting to be installed on each side of the firewall, which means you can "clock" the fitting to point wherever you need it. These fittings are super versatile. Get them from www.flyboyaccessories.com

Tip #3: Credit to Doug Reeves RV forum. I thought this to be an idea worthy of sharing. Storage boxes with the multiple compartments work great... until you drop one. Dan's idea has merit! Vince

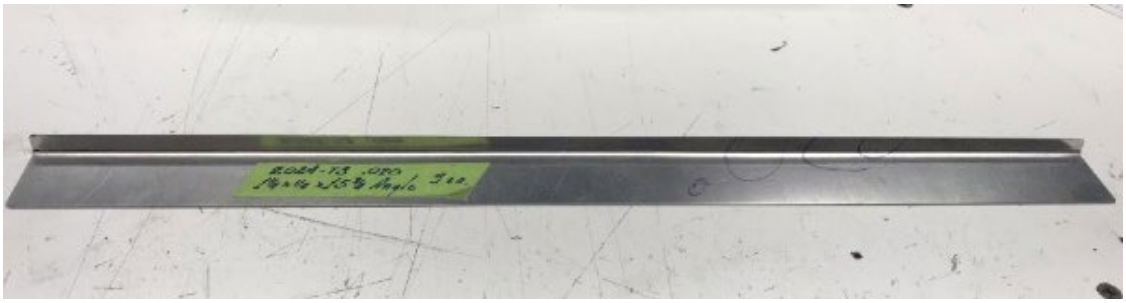
Keeping Rivets Organized ...DanNiendorff, RV builder.
After several failed attempts to well organize my rivet stock, I think I have come upon the way to keep things in order. My requirements were simple, it had to be hard to spill, but quick and easy to access rivets. I wanted to be able to easily see remaining quantities. My solution? Empty spice containers. Flip cap makes them easy to access, and hard to spill.

Clear containers make quantities easy to see. You can purchase them on amazon with red or black caps. I did black for AN426, and red for AN470, with the diameter and length specs on the outside of each bottle. The poker chips are ordering specs for re-order when the bottle gets low.
Everyone probably has their own way to do this, but I thought I would share this in case it might help someone else.



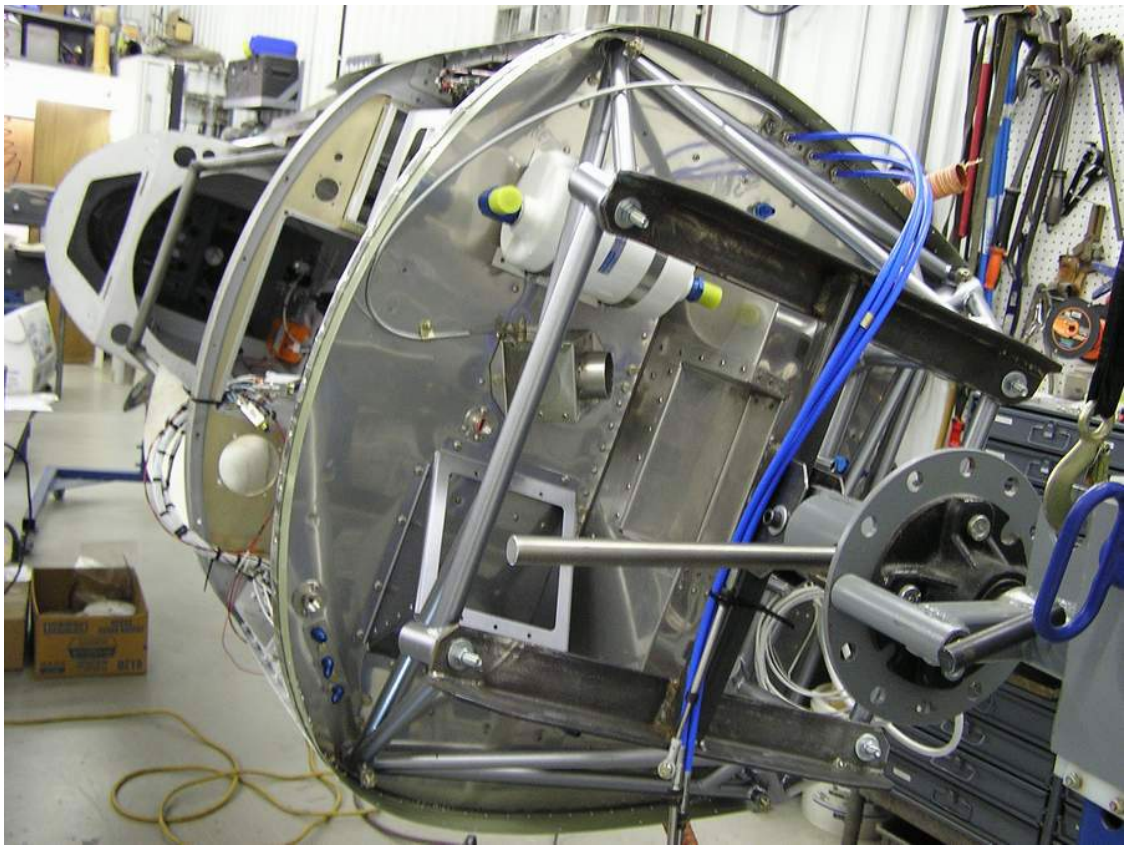
Tip #4 An aluminum cooling inlet requires a transition sleeve to connect it to the plenum behind. These sleeves are often made from wetsuit material.

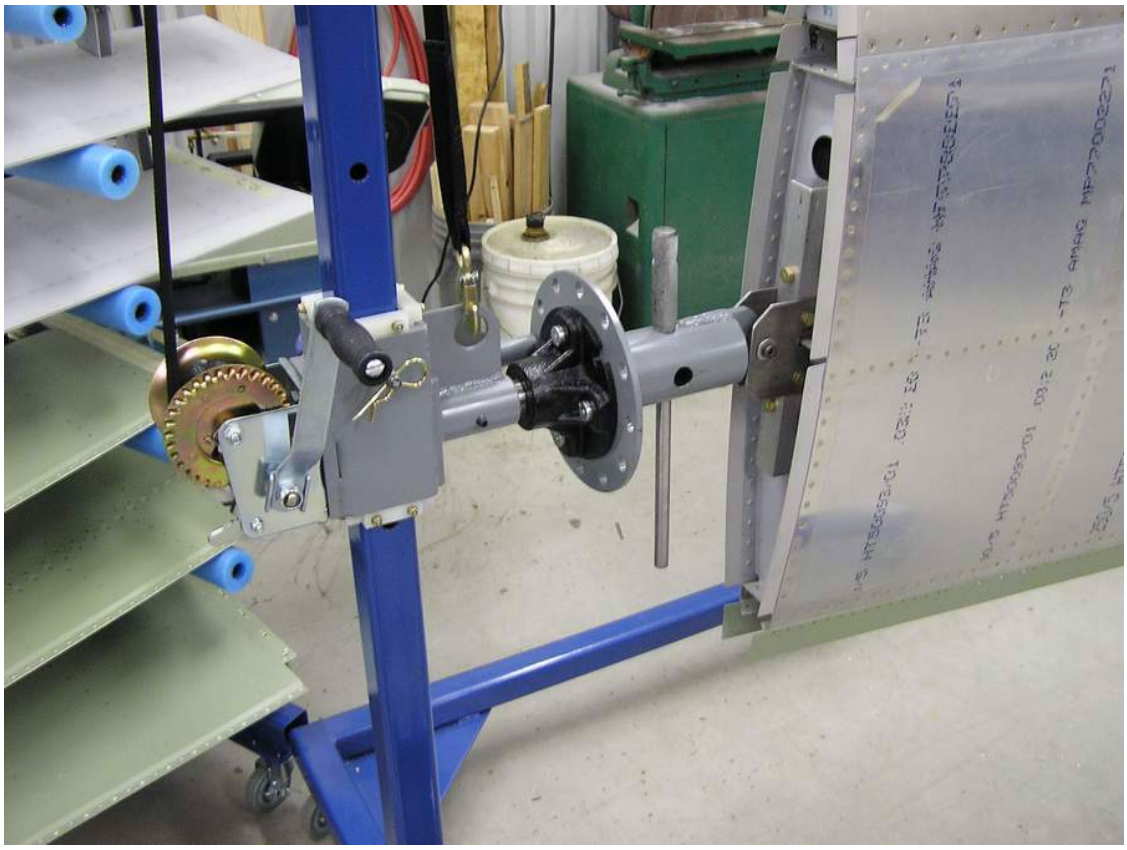
The yellow “thread” is Kevlar and is just about unbreakable. The wetsuit material is either 5mm or 8 mm thick. Cross stitch on the front, and straight stitch on the back. After stitching, cover the “joint” with clear silicone to protect the thread.

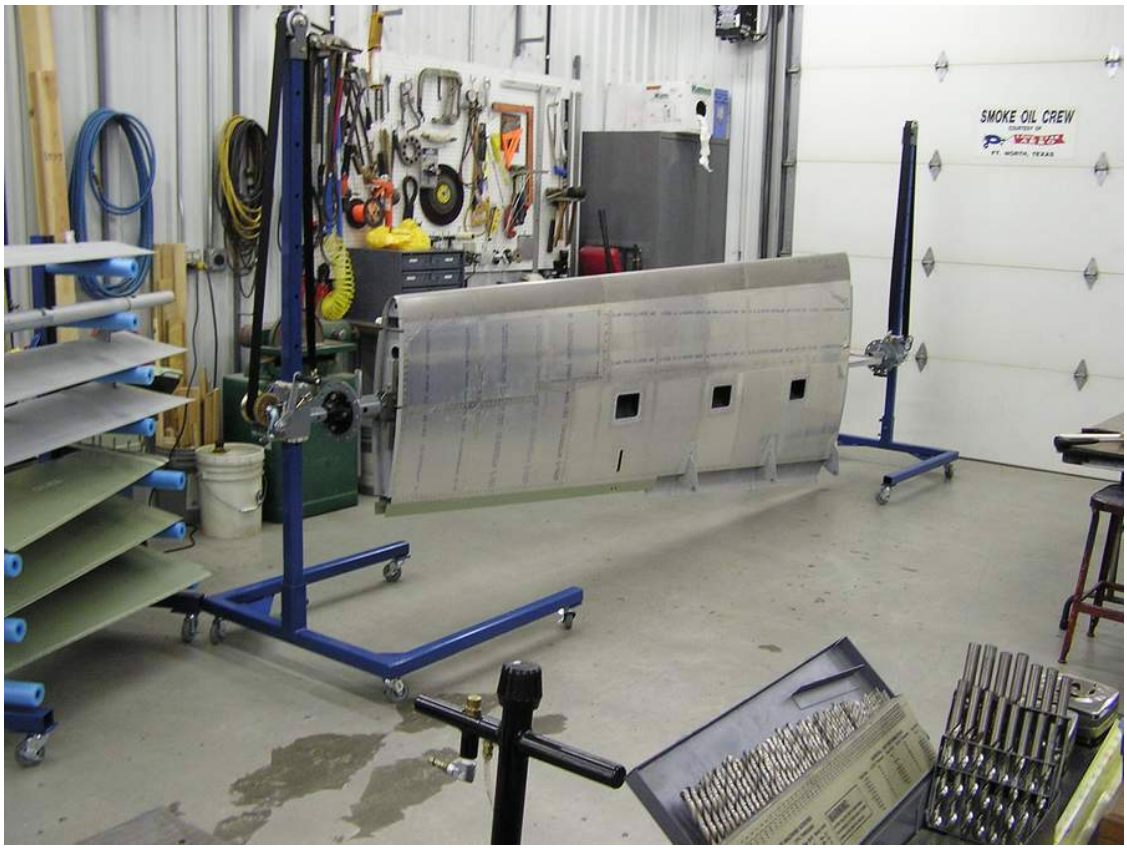


Tip #5 You can make simple .020 aluminum angles, used in groups of 3 to assist in tank removal by separating the dimples in the tank skin from the underlying recesses in the spar. A super simple idea that works well. Otherwise, you need a lot of muscle to wiggle a fuel tank away from the wing.

Tip #6 and beyond: Below are several items that J.J. Janovetz used to produce an award winning F1 Evo. You might find some good ideas in the photos... or you might just buy the item from J.J. See the details in the box below the photos.






SMOKE OIL CREW

Hi all,

My hangar reverted back to the city last month and I will have to pay the going rate at appraised value. I can't afford to rent it at the price that they want to charge. I will be moving out as soon as possible. Some stuff I will move to my shop at home but the rest needs to find a new home. Here are pictures of tooling that is particular to Rocket building.

Horizontal Stabilizer and Vertical Fin Build Fixture. Just aluminum square tubing with hinge line brackets. $400.00

Wood Control Surface Build Tooling. All uprights were mill cut. $200.00

Rollover Fixture. All bracketry to attach to wings or fuselage is included. $1,000.00

Control Surface Rack. $200.00

Fuselage Dolly. $250.00

Propeller Spinner Alignment Tool. $100.00

Back Rivet and Dimple Table. $250.00 for both

Thanks,
J.J. Janovetz
Fort Worth, Texas
817-994-2554 cell
jjjanovetz@hotmail.com

Stuff for sale:

Used Vetterman pipe exhaust for IO-360 with Superior cold air induction. 230 hours TTSNEW. Includes heat muff, Anti-splat oil vapor separator fitting, etc. as shown. $1250 OBO

Contact:
Ray Ward
4luscombes@gmail.com
843-263-5816

[Quality Gildan t-shirt] - $15 to $18 each, in Heather Gray with 2-color (red/blue) Team Rocket logo on the left chest and on the back. Nice t-shirts for everyday wear. Show all of the other pilots your superiority with one of these Team Rocket t-shirts! (Well, unless they're wearing military Nomex, then just shake their hand and thank them for their service.)

Sizes S-M-L-XL-2XL

Quantities may be limited, but we try to keep several of each size in stock.

[Top quality Gildan Heavy Blend sweatshirt], $25, 50% cotton/50% polyester for long wearing comfort. Team Rocket's official logo is embroidered in red and blue on the left chest. Heather gray color.

Sizes available: S,M,L,XL, and 2XL

Quantities may be limited, but we try to keep several of each size in stock.

[Dry blend, cotton/polyester pique polo] $25, sporting embroidered Team Rocket Logo. Available in Heather Gray.

Sizes available: S,M,L,XL, and 2XL

Quantities may be limited, but we try to keep several of each size in stock.

The web ordering doesn't calculate shipping worth a darn. It's easier to simply contact Vince to order. Emails work. I'll send you a bill. :)

Until next time, fly safely and build on! Read the Dropbox info, and when you can post stuff to the forum.

Thanks,

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