Team Rocket
www.F1Aircraft.com

Team Rocket 7-1-2024 newsletter

In this issue:

- FAA 51% rule - Amateur-Built Fabrication and Assembly Checklist
- Shop activity
- Airventure 2024 is fast approaching
- Display your F1 Rocket or F4 Raider at the Team Rocket display?

Amateur-Built Fabrication and Assembly Checklist

Recently one of our builders asked about the FAA 51% rule. It hasn't been a problem (that I'm aware of!) but there is a process to jump through this FAA hoop.

The FAA maintains a list of "approved" kits. For some reason the legacy F1s QB kits never made the list, possibly because most of them were made many years ago. Nonetheless, if you have a QB kit and fill out the checklist properly, you should have no problems.

And if you're building one of the current slow build kits, or a hybrid variant, then you also should have no problems.

But you MUST fill out the form as part of your registration process.

Here's the form:

Amateur-Built Fabrication and Assembly Checklist (2011) - fixed wing

And here's another page about the process:

FAA Amateur built Aircraft

I asked F1 Rocket QB builder and DAR, Paul Dye, about the 51% rule. He had these tips"

"Well as a DAR, I'm pretty familiar with the form, yes!

That said, I haven't filled one out (previously) for the (F1 Rocket) QB, but based on the similarity between the Rocket and a QB RV-8, I don't see any potential issues - you just want to (fill out the form) in pencil and make sure that the total for the builder comes out to 51%…. Which is why you do it in pencil first.

There is lots of room for interpretation on most items, so you can adjust if required.

If you've used lots of outside assistance, then you can get in trouble, but otherwise, I'd expect it to come out.

Remember that the 51% rule really isn't primarily applied to the Repairman Certificate eligibility - ***it really is what decides if the airplane can be given an Airworthiness Certificate, so it is a big deal to get it right!***

For the Repairman (certificate), you have to be a Primary Builder, but you are allowed more leeway if you can prove yourself knowledgeable enough about the plane."

Paul added this comment:

"And in terms of a build log, take lots of pictures (especially with you in them), and if you want to be minimalist, print out the build manual and date/initial the corner of each page as you complete it. Write notes on the pages of any deviations from plans."

Paul then very generously added a sample amateur checklist to use as a guide when filling out a similar checklist for your QB kit. Remember to change it to match your own situation. And, of course, if you're building a slow build kit, remember that your checklist will be much different.

SAMPLE Amateur built checklist

No two checklists should be the same! Make sure that you fill out what YOU did on YOUR project. Doing otherwise could lead to uncomfortable questions from your FAA inspector or DAR.

Shop Activity

Toby is hard at work, drilling holes for the tank screws that hold the entire leading edge on the new tapered "F-wing".

In the photo you can see the fixtures used to maintain the wing twist throughout the process.

We should have these wings at Oshkosh this year. Stop in to see how far along we've got them. We're hoping to have control surfaces mocked up on them by then.

More Shop Activity

We've had plenty of annoying setbacks.... Covid.... stupid politicians.... inflation... etc. Ugh. Most recently we had a damaged transformer delivered. This delayed us getting our giant Becker vacuum pump up and running, which in turn meant a more tedious setup whenever we're using the CNC router. A new transformer arrived today!! Woo hoo!

In other good news, we have 2 press brakes. A nice shiny new one, and this one, affectionately called the "Green Machine" or the "Green Monster" depending on how it's behaving.

The "Green Machine" shown here has been getting various digital controls installed. It's still a dumb brake, just slightly less dumb now. And it's finally spitting out GOOD parts! Shown here are some HS-003 spar C-channels that are almost ready to send out. These will be going to Texas and Nevada... and that's a hint for those builders to keep an eye out for them.

Interestingly, in the photo you can see a tiny blue punch die in the throat of the press. It's a 3D printed part that is used to bend the small tab on the end of those C-channels.

Man, do we love our 3D printers. You can make anything with them!

Airventure 2024 is fast approaching!

Just a reminder of where the important things can be found, and a reminder that we'll have an official "Rocket" parking row at EAA Airventure again this year.

All F1 Rockets, Harmon Rockets, and F4 Raiders are welcome to park in this row. Just put a sign in your canopy for the parking personnel to see when you arrive.

If the parking volunteers aren't sure where the Rocket row is located, just tell them that it's immediately NE of the forum buildings and just N of the homebuilder's hangar.

See the map for the location.

Display your F1 Rocket or F4 Raider at the Team Rocket display?

YES! We'd love to have your freshly completed F1 Rocket or F4 Raider on display at the Team Rocket display in the north homebuilt vendor display area. You are guaranteed to have throngs of interested Rocketeers looking it over, but you're also guaranteed that there will be adult supervision nearby.

You'd need to be able to leave your aircraft at the display from Monday thru Friday, if at all possible. Or longer if you can. It can be difficult (but not impossible!) to move an aircraft during the show. (They'd yell at us, and our display would be empty, so ... bummer.)

Space is limited!!!!

We promise to pay you absolutely nothing*, but you'll be able to hang out with the cool kids all week. I promise that it will be a memorable experience!

** Well, maybe a t-shirt and some swag.*

Contact Vince if you think you'd be interested in this opportunity!

Vince Frazier,

Frazier Aviation Products LLC
7237 South State Road 75

Cutler, IN 46920-9617

www.f1aircraft.com
812-449-0230 cell (no texts please)
We are a Team Rocket authorized distributor

www.flyboyaccessories.com

www.cleavelandtool.com

to reach Blake:
toll free 1-888-835-9269
or 1-888-8FLYBOY

View this email in your browser
You are receiving this email because of your relationship with Frazier Aviation Products LLC.
Please reconfirm your interest in receiving emails from us. If you do not wish to receive any more emails, you can unsubscribe here.

This message was sent to vincefrazier@gmail.com by vince@f1aircraft.com
Frazier Aviation Products LLC, 7237 South State Road 75, Cutler, IN 46920-9617

VerifiedUnsubscribe℠ Unsubscribe | Manage Subscription