Team Rocket Newsletter April 16, 2023

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Team Rocket throttle quadrants

Team Rocket throttle quadrants are available now. Price $479. Contact Vince to order.

Made from all corrosion-resistant parts (features a Cerakoted aluminum frame, stainless steel levers and drum, brass guides, and Delrin knobs), this quad is built to last.
Large diameter pivot drum actuates the friction in the system, which means a super smooth lever action that is consistent across the full range of motion.

RADIO
EFIS
FLOOD
FLAPS
UP
DOWN
BATT
ALT 1
ALT 2
AVIONICS
PUMP 1
PUMP 2
COIL 1
COIL 2
STROBE
NAV
TAXI
LAND
PITOT HT
START
OFF
WIG WAG
MASTER
START
ALT 1
ALT 2
INJ RELAY
ECU 1
ECU 2
COIL 1
COIL 2
PUMP 1
AUTO PILOT
AUDIO
COM 1
COM 2
NAV
XPDR
STROBE
FOR V AP

GARMIN
COM 1 123.050 KCXW UNICOM
STBY 122.800 12A UNICOM
XPDR 1200 ALT
IDENT
WPT 12A
BRG 175°M
NAV 2 LIT 113.900 LIT VORTAC
STBY 108.100
COM 2 119.500 APPROACH
STBY 118.775 KCXW AWOS
Full
AP | HDG | ALT 7500FT
MAN IN 18.0
50%
RPM 2210
OIL PSI 76
OIL °F 153
Main
Fuel Calc
QTY GAL 28 27
PSI 44.4
GPH 9.2
Endurance 04:14
No-Wind Range 675nm
Economy 17.6
Fuel Remaining 39.1gal
55gal
Fuel Used 15.9gal
Reset
Engine
Cht Wpt FPL Wx Ter Trf Info Eng
NRST
MENU
BACK
MASTER
ECU 1
PUMP 1
PUMP 2
COIL 1
COIL 2
STROBE
NAV
TAXI
LAND
PITOT HT
START

GARMIN
COM 1 123.050 KCXW UNICOM
STBY 122.800 12A UNICOM
XPDR 1200 ALT
IDENT
WPT 12A
BRG 181°M
NAV 2 LIT 113.900 LIT VORTAC
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COM 2 RX 119.500 APPROACH
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Full
AP | HDG | ALT 7500FT
MAN IN 18.0
50%
RPM 2210
OIL PSI 76
OIL °F 154
Main
Fuel Calc
Temperature
CHT 312 313 294 295 310 305 °F
1460 1440 1450 1445 1440 1430
LEAN -11 -16 -11 -23 -18 -27 ΔEGT
Lean Assist
Fuel
QTY GAL 28 27
GPH 9.2
PSI 44.9
Electrical
VOLTS 14.2
ALT AMPS 18
Engine Hours 12.1
Total Hours 15.0
Engine
Cht Wpt FPL Wx Ter Trf Info Eng
NRST
MENU
BACK
PUMP 1
PUMP 2
COIL 1
COIL 2
STROBE
NAV
TAXI
LAND
PITOT HT
START

Randy Price - 1st flight report

Randy Price, from Greenbrier, Arkansas, reports:

" My F-1 came in at 1180 with no paint.

The SDS system is all Ross says it is. Landed to refuel and it fired and idled perfect on second blade on hot restart. The SDS does just as advertised. It will be awesome when I get all tuned in. Two blade hot start is normal. AMAZING. The mixture knob is awesome as well. Turn it to about 25% rich stroke the throttle about 3 Times it fires right off cold(40 F) then just turn it back to 12 o’clock and proceed.

I have tuned out about 75% of the heavy left wing with a couple aileron height adjustments, one more should get me home.

23 square gets me 168 knots IAS at 3000 msl. No gear leg fairings, intersection fairings or wheel pants. Timing is backed down to 21 degrees. CHT’s are still coming down as I put more time on engine. If you use Van’s baffle kit, leave front cylinder blocking plates in the box. Without the plates my engine cools very evenly.

I did not make a (separate) plenum. Haven't seen 180 F on oil temp yet. With current fuel map at 23 square I'm seeing about 335 to 360 CHT with about 1350 EGT. Lots of room to adjust fuel and timing (more power per gallon).

All take offs and landings have been flaps up. They are not needed to slow down. Close throttle and it like putting on the brakes. I could probably change that some with prop low pitch stop but for now I think I will leave it alone. Tracks very straight down the runway with no shimmy in the gear legs. I used 1-1/4" wood dowel from Lowe's aviation dept and three plies of glass tape wound at 45 degrees to leg and over lapped 50%. After gluing dowel to legs with B2 tank sealant.

The Beringer brakes are great. Nice firm feel.

Only about 2 seconds of trim between takeoff and cruise. Strange not having a mixture control on the throttle quadrant.

Ross (the SDS guy) should get a good pat on the back along with you, Mark, Blake and the folks at Steinair. Without the help and support you and the others I'd still be muddling my way through.

It is not a project for the faint of heart but it's worth every minute invested! "

A few grainy videos of the first flight:
Price take off
Price fly by
Price landing

Congrats to Randy! Also, Randy graciously provided his contact info in case anyone has questions for him.

Randy Price
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870-838-3352

Ron Patterson - F4 project for sale

You've got to see this project:
https://photos.google.com/share/AF1QipMdZdzYlJLUoDABKE2spGJq45AVlDLgKmCjN2iWsKHezEI-J4eft9_AZSyx3kouQg?key=d1ktWTN5MGlWUVpfb25QOXExMFFkaF9XRVRYQVpR

Ron was the very first person to belly up to the bar when the Team Rocket parts began coming out again in about 2017. Hats off to him for being fearless! His project is turning out very nicely, and he has some very interesting mods to boot. Someone is sure to get a nice project although we're sad to see that Ron is bowing out. All the best to him.

House and shop progress:

We moved into our new home at the end of March, with only one working toilet, one sink, and one tub, and no countertops, A/C, or interior doors. We couldn't wait any longer. We hooked up the A/C 3 days ago. Countertops and sinks are scheduled to arrive this week. And who needs doors? ;)

We are finally getting some of the stored household items and furniture out of the shop area. Once the gridlock breaks, I'll be able to start setting the equipment into place. I'm particularly excited to get our new 14' x 5' CNC router up and running. It should be a very nice addition to our capabilities.

Team Rocket Forum - map feature?

We're often asked, "Where are the other builders located?" I can't ethically give out this info because some people want their privacy protected. However, for the rest of us, I've added a map to the forum. The idea being that those who are building can email me (separately from the newsletter please) with their name and address and a line that says I

can add their name and info to the map. Heck, Google already knows all of these things, so I don't see much harm in adding it to a private forum.... with permission of course.

If anyone knows of a map app that can automate this process, please advise. Until then, I'll add each builder's location individually.

The forum URL is in the section below.

Reminder **- New Team Rocket forum launched**

As everyone knows, the old forum was as reliable as a British car, and just as quirky. After much whining from me, Blake was gracious enough to replace the hosting and set up a new forum.

The data from the old forum is still there, so we shouldn't have lost any of the legacy info.

If you had access to the old forum, your username and password should still work. If not, there is a password reset function on the log in page. Or just contact me if you need an account set up.

NOTE: *The log in button is hidden in plain sight at the extreme top left of the home page. It's easy to overlook, but it's there!*

It is my sincerest request that building questions be directed to the forum. That way everyone can benefit from the tribal knowledge of shared responses, and I won't be quite as overwhelmed. Incidentally, we have almost 50 projects under construction at some level. With that many brains out there building, there are gonna be a lot of good answers if we all use the forum.

https://f1aircraftforum.com/

Contact us at:

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