

7/8/2006, Saturday

Sanding windshield fairing

Total Time: 3 hours (1395 hrs)

7/9/2006, Sunday



Sanding windshield fairing

Total time: 3 hours (1398 hrs)

7/10/2006, Monday

Sanding

Add another layer of microballoon

Ground cowl pins

Total time: 4 hours (1402 hrs)

7/11/2006, Tuesday



Sanding and add additional microballon

Work on canopy slider

Install wing access panels

Install Tail access panels and tail fairing



Total time: 5 hours (1407 hrs)

7/12/2006, Wednesday

Sanding

Total time: 3 hours (1410 hrs)

7/13/2006, Thursday

Sanding

Mount panels

Mounting interior (test mount)





Build fuel flow sensor housing
Cut center channel for fuel flow sensor housing
Total time: 5 hours (1415 hrs)

7/14/06, Friday

More sanding
Install interior

Total time: 7 hours (1422 hrs)

7/17/2006, Monday





Carpet and painting
Install aux battery
Total time: 6 hours (1428 hrs)

7/18/2006, Tuesday

Drill hole for mounting fire extinguisher
Re-safety flap motor control
Wire tie oil lines, mag cables, etc.
Fix oil return line klink
Total time: 5 hours (1433 hrs)

7/19/2006, Wednesday

Mounting fire extinguisher
Connect compass light
Misc wire rearrangement
Center channel fitting
Total time: 3 hours (1436 hrs)

7/24/2006, Monday

Place N numbers
Tweeking EFIS
Total time: 4 hours (1440 hrs)

7/25/2006, Tuesday

Drain oil
Install everything



Weight and Balance

Reset EFIS

Add 7 quarts of oil and mark oil dip stick

Paint "no step"

Prime and paint bolts for nose gear

Add fuel and check fuel lines

Check fuel pump, found leak due to un-tightened nut at fuel pump.

Total time: 7 hours (1447 hrs)

7/26/2006, Wednesday

Final adjustment of EFIS setting (hopefully this is final)

Install canopy slider screws (fix canopy to the slider)

Check fuel sender (must have installed wrong resistor)

Remove lower cowl and prepare for engine start
Replace several rivets for upper hinge
Install spark plugs (torque to 30 ft-lb)
Torque oil filter to 15 ft-lb and safety it
Pull airplane out and start the engine
After several tries and engine won't start
Find open oil fitting under the upper right Lord mount, still don't know what it is for.
Connect hose to the oil fitting and plug the other end
Restart engine, fired up in a few turns. Run engine for 3 minutes
Restart engine again
Taxi airplane to the end of the hanger
Total time: 6 hours (1453 hrs)

7/28/2006, Friday



Remove one 45 degree fitting and move the oil pressure line to the lower fitting
In the process removed vacuum pad and right mag

Cap the upper hole
Mag re-timing (25 degree)
Total time: 4 hours (1457 hrs)

8/1/2006, Tuesday

Set engine monitor parameters
Remove wrong resistors from fuel senders
Fit canopy latch, messed up the latch
Fabricate new canopy latch from stock aluminum sheet
Fit canopy latch
Total time: 7 hours (1464 hrs)

8/2/2006, Wednesday

Drill and mount slide canopy rear blocks
Install 470 ohm resistors for fuel senders
Reset EIS parameters
Wire ties
Try to pump fuel out of tanks (electric fuel pump failure)





Start engine and taxi around
Total time: 6 hours (1470 hrs)

8/3/2006, Thursday

Taxi again to test right brake (squeaking)
Disassemble right brake, apply grease on pins and reassemble, safety bolts
Remove panels and prepare for condition inspection
Fix bottom fuselage skin to wind skin screw holes and add screw
Install sunshield (drill, tap holes for Velcro)
Inspect propeller and engine
Total time: 10 hours (1480 hrs)

8/4/2006, Friday

Continue condition inspection
Add missing rivets
Polish skin
Check and torque marking all bolts
Safety left brake bolts
Total time: 8 hours (1488 hrs)

8/5/2006, Saturday

Polish canopy
Search for pitot and static leak
Static leak at T near AP. One nut not tightened enough
Pitot aluminum line connect to plastic line at wing root is loose, need to remove aileron pushrod to get it.
Re-organize wires
Fix miscellaneous problems
Total time: 7 hours (1495 hrs)

8/6/2006, Sunday

Tighten wing root connection for pitot line
Check both pitot and static leak
Reattach aileron pushrod, aileron boot, etc.
Total time: 3 hours (1498 hrs)

8/7/2006, Monday

Drain right fuel tank, write down fuel sender reading
Rearrange and tie up wires to prevent potential chaffing
Remove fuel pump CB Switch
CB Switch defective (mechanical problem), will not catch ON
Put in temperate pull CB for fuel pump
Clean up inside
Install fishing wire for canopy sliding gap filler
Total time: 6 hours (1504 hrs)

8/8-8/11, 2006 Transition training with Mike Seager at Scappoose in Oregon



8/12/2006, Saturday

Fixed static and pitot leaks
Move right tank sender to Aux 4 from Aux 5
Fixed all panel screw problems
Locktit nose wheel mounting bolts
Install D batteries to ELT (two batteries short)
Complete condition inspection checklist
Total time: 4 hours (1508 hrs)

8/13/2006, Sunday

Warming up engine

Reset idle from 650 rpm to 500 rpm