



Savannah Aviation · 34 Hanger Road · Savannah, GA 31408 · 9129641022

N101WV**January 17, 2019****Hobbs: 1357.6**

1. Fabricated Alternator amp sensing Bracket using 2024-T3 .090 aluminum due to crack in old unit.
2. C/W Air frame condition inspection. Cleaned and inspected wheel bearings. Torqued wing bolts. Lubricated flight controls. Checked flight control rigging. Performed landing gear retraction test and checked gear rigging and emergency extension, landing gear checked good. Inspected ELT IAW FAR 91.207 d, Unit inspection checked good. Elt batteries due replacement in March 2027.
3. Fabricated and replaced alternator main power cable due to short original cable. Installed (3) M22759/16-6-9 - Wire.
4. FWD oil cooler aluminum line gouged. Removed and fabricated new Oil Cooler Line. Leak check good. Installed (2) 3003-O 5/8" - Versatube, Aluminum.
5. Replaced nose tire and tube with customer supplied parts.
6. Troubleshoot EPI-800 engine monitor system. Corrected wiring issues grounding out system functions and ops checked good after maintenance. Re-soldered cold solder connections on circuit board. System ops checked good.
7. Rotated main Tires on wheels due to wear patterns.
8. Torqued wing attachment bolts. Torqued canard bolts. Installed Flight Control Hardware. Rigged Rudders and safetied Turnbuckles. Checked elevator rigging. Installed (2) AN3-6 - Bolt, Installed (4) AN960-416 - Washer, Installed (2) AN4-11A - Bolt, Installed (4) AN960-416 - Washer.
9. Sealed wing to center section seam with Pro-seal 890.
10. Removed Plane Power Voltage Regulator Model # R1224B S/N H-R101268 after unit failed to regulate. Installed B&C Voltage Regulator supplied by owner, P/N LR3C-12 S/N 05133426. System run



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up and ops check good.

11. Installed three anchor points and adel clamps to Aircraft Rear bulk head, Fwd side, to secure wiring harness away from landing gear legs during operation. Installed (1) MS21919WDG2 - Adel Clamp.
12. Removed L/H broken Gear Door from L/H main landing gear leg.
13. Installed New wiring connector on Elevator trim Motor harness due to system intermittent operation. System functional test good.
14. Removed left and right Inner Gear Doors.
15. Connected and secured Vacuum System filter away from canard spring to prevent further obstruction.
16. Installed correct length bolt in elevator trim Motor. Installed (1) AN4-15A - Bolt.
17. Fabricated steel tie strap for alternator-starter and installed.
18. Removed silicone debris from left and right wing fuel tanks. Installed (2) 72030 - Gasket.
19. Installed new oil pressure sensor. Installed (1) 3010018A - Transducer.
20. Left and right fuel gauges intermittent. Removed and cleaned fuel sending units. Reinstalled with new gaskets. Ops and leak checks good.
21. Trimmed and shimmed alternator bushing for proper belt alignment. Installed (1) 10-1009 - Spacer, Installed (1) 10-1002S - Starter Strap, Installed (1) 15375 11A0950 - BELT DAYCO.
22. Trimmed upper and lower cowling to fit due to new propeller blade interference. Installed (2) ms21047108k - NUTPLATE.
23. Drained header tank due to cracked and leaking fuel supply line. Removed broken fuel line. Drilled Hole in center lower forward side of tank and installed a bung fitting and finger screen. Sealed top of tank and fabricated cradle bracket for Fuel Filter. Fabricated and installed new fuel line and fittings. All lay-ups made from 4 BID layers of 7781 and Aeropoxy. Installed (2) QS200-24H - Breeze Clamp,



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- Installed (1) 520 - Strainer, Finger, Installed (2) 3003-O 3/8" - Versatube, Aluminum, Installed (1) AN822-6D - Fitting, AN Flare.
24. Installed two each breeze clamps on battery and tray to secure battery.
 25. Troubleshoot fuel inoperative fuel flow. Replaced fuel flow sending unit. Repaired wiring. System ops checked good. Installed (1) EI FT 60 - Transducer.
 26. Retimed E-mag 2 DEG ATDC to correct for required 23 Deg BTDC timing.
 27. Troubleshoot inoperative amp meter. Found Loose Plug In the DPU data Box. Removed DPU and Re-Soldered All Terminal Blocks . Reinstalled DPU and ops check good.
 28. Checked and torqued bolts on Canard. Checked Canard rigging.
- Completed condition inspection IAW the requirements of FAR 43 Appendix D and determined this aircraft in a condition for safe operation. All maintenance completed in accordance with applicable sections of the manufacturer's maintenance manual. All operational, rigging and functional checks tested satisfactorily. I certify that the maintenance identified above has been inspected and the items are approved for return to service. Details of work performed are on file with Savannah Aviation under work order: WO_00248.

Swaid Rahn A&P IA

3-5-19	4680	1360.1	Post Maintenance AC/t. Tires stacked. Run well, Alt changing, gear cycled, Radio fixed. [REDACTED] [REDACTED]
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1360.1

Post Maintenance Oil. Engine started. Run well, Alt changing, Gen cycled, Radio fixed.

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