

12/16/2021

5

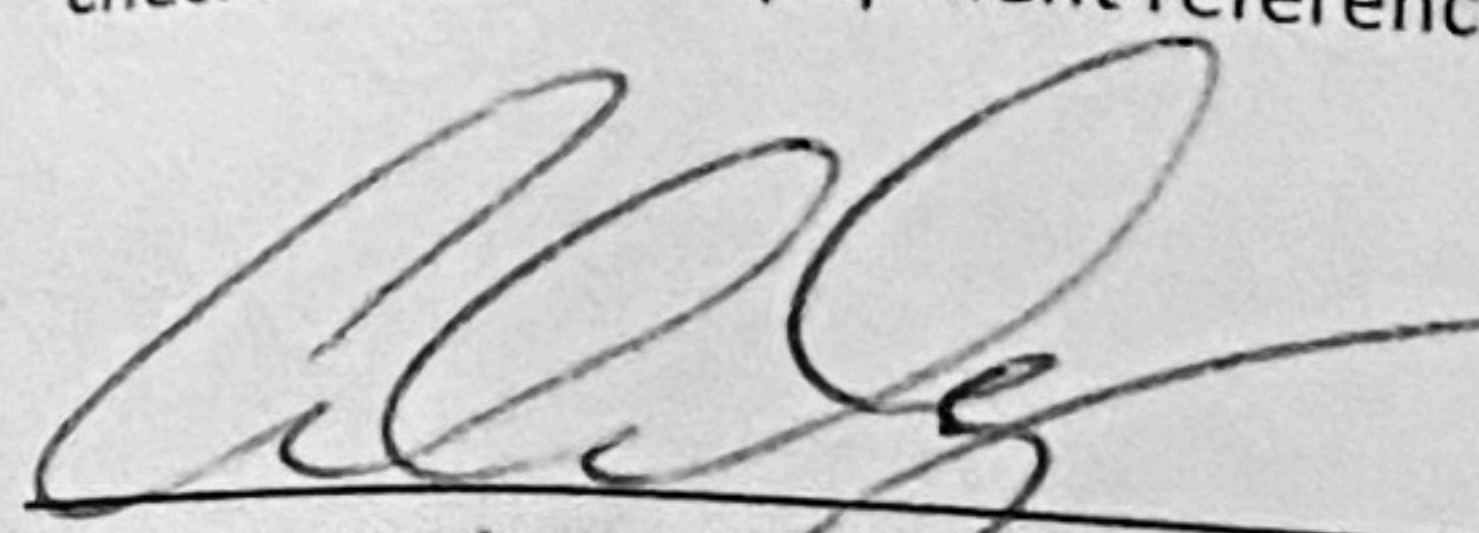
601P

SN: 61P-0457-177

Hobbs: 620.2

Relocated turn

checks of all new equipment referencing manufactures installation and maintenance manuals with no defects noted at this time.


Cody A. Mackey A&P/IA 3773569



5800 Aviation Dr.
Milton, FL 32583
Office: (850) 764-8999
www.flightlevelavionics.com

Model: 601P

S/N: 457-177

Reg. No: N701KE

Date: 5/11/21

6

Found Mode-C working correctly. Found ADSB invalid. Programmed #1 GNS 430. Ops check good, ref. AMM 34-00 and Garmin GNS 430 IM. Removed #1 GPS Antenna P/N 013-00235-00 S/N 89127 and replaced with new P/N 013-00235-00 S/N 202495. Ops check good, Ref. AMM 34-00. Resealed connector for Autopilot system and trim system. Ground check properly, Ref. AMM 22-00.

I certify that the altimeter has been tested, inspected, and found to comply with FAR Part 43, Appendix E, per FAR §91.411. The altimeter was tested to a maximum altitude of 25,000 feet.

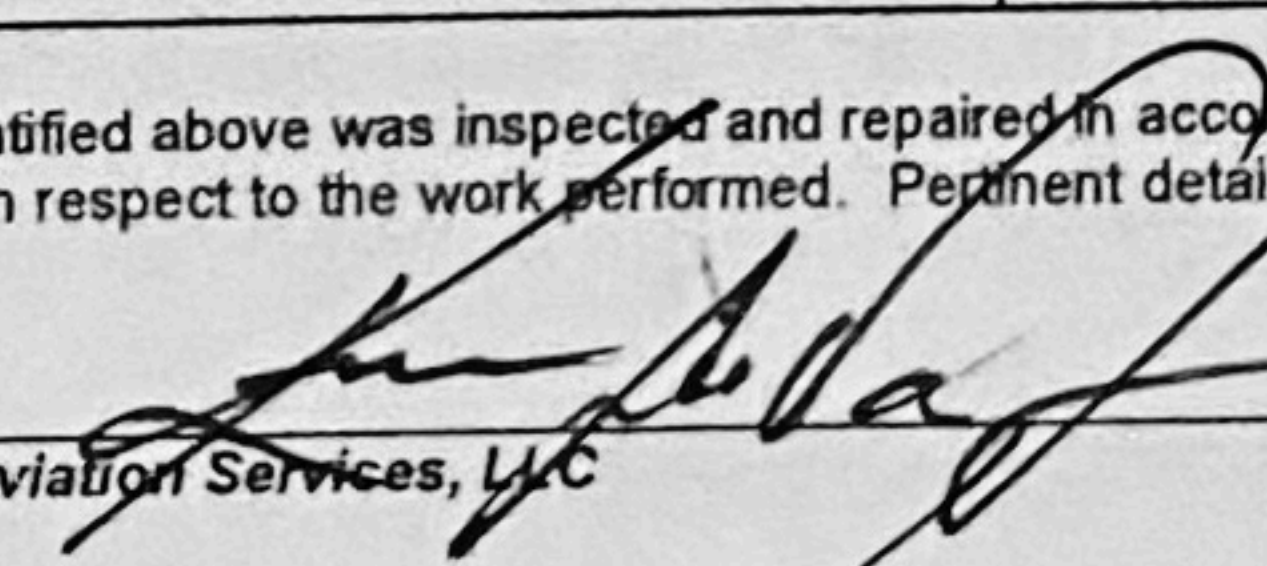
I certify that the static system Pilot was tested and inspected and found to comply with FAR Part 43, Appendix E, per FAR §91.411.

#1 Altimeter	P/N 5934PAM	S/N 61081
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I certify that the ATC Transponder has been tested and found to comply with FAR Part 43, Appendix F, per FAR §91.413. The required altitude reporting correspondence checks have been performed and meet the criteria outlined in FAR Part 43, Appendix F.

Transponder #1	P/N: 011-00455-60	S/N: 84132258
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The aircraft identified above was inspected and repaired in accordance with current Federal Aviation Regulations and is approved for return to service only with respect to the work performed. Pertinent details of the work performed are on file at this repair station under Work Package No 100799.

Signed: 
For: AMI Aviation Services, LLC

Certified Repair Station # 6A5R818B

AMI AVIATION SERVICES, LLC
Altimeter Scale Correction Card

01/19/2022

N701KE

Aerostar 601P

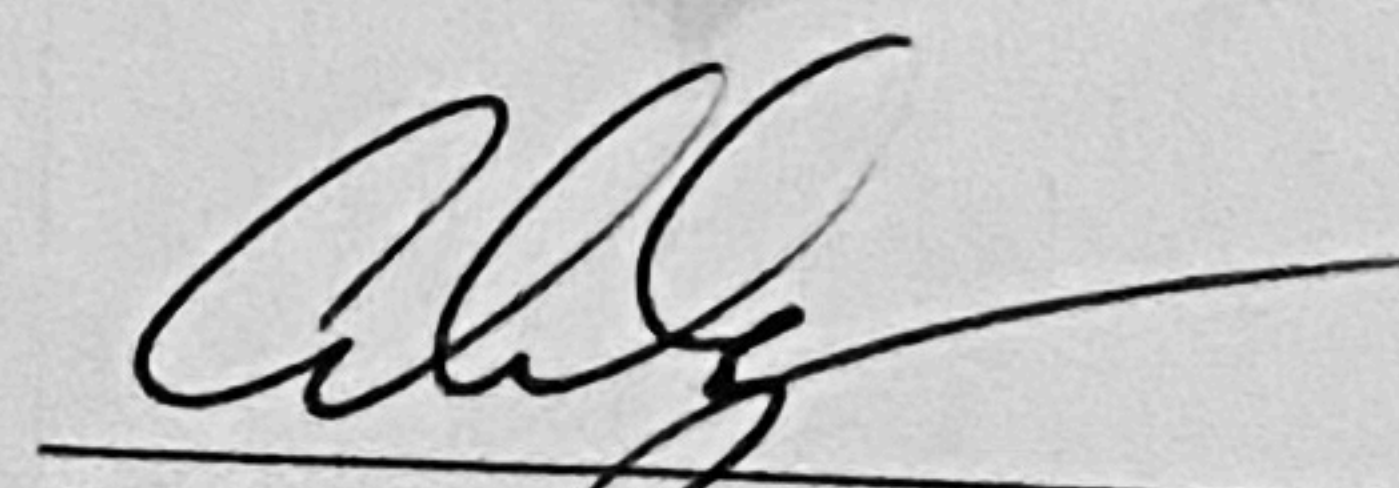
SN: 61P-0457-177

Hobbs: 624.9

7

Removed attitude
cylinder and
manufacture

and installed attitude indicator PN: 52C77, SN: 1750E. Removed pilots R/H brake master cylinder and bled brakes. Performed operational checks of all new equipment referencing maintenance manuals with no defects noted at this time.


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Mullens Aviation

225 East Cowboy Way Labelle, FL 33935 Ph 239-878-6855

Aircraft: N701KE Date: 07/12/2023 Acft. Hobbs: 3645.4 TSOH: 231.4 TT: 3645.4

Right Propeller Log S/N: CK3982A

This propeller has been inspected IAW an Annual Inspection per FAR 43 Appendix D, also referencing the Aerostar Maintenance Manual checklist and was found to be in an airworthy condition at this time. AD's were checked for compliance through TData issue date 2023-12. Removed propeller sent to Aircraft Propeller Works Inc. for reseal/repair WO# 6244P. Reinstalled propeller after repair with new O-ring Hartzell P/N: C3317-228.

MAINTENANCE RELEASE: I certify that work completed has been ops and leak checked ok and has been determined to be in airworthy condition at this time.

James Phillip Menezes A&P 4093622 IA

Mullens Aviation

225 East Cowboy Way Labelle, FL 33935 Ph 239-878-6855

Aircraft: N701KE Date: 07/12/2023 Acft. Hobbs: 3645.4 ACTT: 3645.4

Airframe Log S/N: 61P-0457-177

This aircraft has been inspected IAW Annual Inspection per FAR 43 Appendix D also referencing the Aerostar Maintenance Manual checklist and was found to be in an airworthy condition. AD's were checked for compliance through most current issue to date Tdata 2023-12. Complied with ELT inspection and self-functional check IAW FAR 91.207 (D). Replaced Battery BP1010. Battery **Next Due: June 2025**. Complied with the following AD's and no defects were noted:

AD 76-07-12 Ignition switch C/W by run up functional check **Next Due Aug. 01, 2024, or Acft. Hobbs: 3745.4.**

AD 79-01-05 Fuel Cap tension and O-rings C/W by replacing fuel tank filler cap O-rings and checking tension P/N: MS29513-338 & 010 **Next Due Aug. 01, 2024, or Acft. Hobbs: 3745.4.**

AD 80-19-14 Horizontal/Vertical stabilizer attach fittings C/W by inspection **Next Due Aug. 01, 2024, or Acft. Hobbs: 3745.4.**

AD 95-23-11 Fuselage Horizontal attach fittings C/W by inspection **Next Due Aug. 01, 2024, or Acft. Hobbs: 3745.4.**

AD 98-24-29 Upper wing spar cap C/W by inspection **Next Due Aug. 01, 2024, or Acft. Hobbs: 3745.4.**

AD 03-22-01 Auxiliary fuel tank fuel transfer pumps. N/A Machen Aux. tank and Machen pumps installed.

AD 04-21-05 C/W by Performing heater decay and pressure switch test. **Next Due: Aug. 01, 2025, or Htr. Hobbs: ---.**

AD 04-25-16R1 Fuel regulator shut off valve C/W by visual inspection no fuel staining on valve **Next Due Aug. 01, 2024, or Acft. Hobbs: 3745.4.**

AD 20-24-10 C/W by inspection of Aileron and Elevator balance tubes I.A.W. SB600-138, tubes were replaced using Aerostar Kit P/N: AAS00074 containing revision M version tubes. Sprayed inside of tubes with corrosion X. Replaced attaching bolts P/N: AN23-18, and 21. **Next inspection Due Aug. 01, 2033.**

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Lubed aircraft. Greased lower and upper bearings rudder torque tube. Inspected and serviced fuel system replaced O-rings in fuel filter screen housing, P/N: MS29513-212, 327. Replaced left auxiliary boost pump, removed P/N: 2B6-84 S/N: 8AD 23 and installed overhauled unit from Aeromotors, LLC WO# M2202272 P/N: 2B6-84 S/N: 8AB 9. Replaced hoses from fuel screen to boost pump and boost pump to on/off valve P/N: Aeroquip 303-6 and -8. Replaced right side ITT on/off fuel valve with serviceable unit and re-sealed cross feed valve O-rings MS29513-215 and new attach bolts P/N: AN3-26A. Replaced remaining hoses to on/off valve and to other side cross feed valve P/N: 306-8. Inspected and repacked wheel bearings with Mobile 28 grease. Rotated left main tire for even wear. Serviced tires with nitrogen 40 psi nose and 70 psi mains. Inspected brakes replaced 2 caliper heat shims P/N: 068-02700. Serviced brake fluid reservoir. Replaced right main gear over center brace lower link with serviceable unit. Re-sealed left and right clam shell door sequence valves with Aerostar seal kit P/N: 764-077. Replaced left clamshell door banana bell crank with serviceable unit. Replaced and adjusted bell crank down rod to clamshell door bracket. Re-sealed right main gear actuator with Aerostar seal kit P/N: 764-073. Inspected nose gear hat section area I.A.W SB 600-137. Re-sealed nose gear actuator with Aerostar seal kit P/N: 764-067. Safety wired gear indication switches. Re-sealed right flap restrictor valves with new O-rings P/N: MS28775-114 and back up ring's P/N: MS28774-114 Boss O-rings P/N: MS28778-4. Cleaned hydraulic reservoir screen, reinstalled with new O-ring P/N: MS28775-214 serviced with 5606 hydraulic fluid. Hydraulic accumulator serviced with nitrogen to 500psi. Cycled gear numerous times including emergency extensions all satisfactory. Inspected main battery and charged. Serviced oxygen system. **Bottle hydro test not due, Next Due Mar. 2024.** Cleaned up flap tracks and lubricated with lubriplate grease. Indexed marked red all fuel caps. Re-sealed inside wall and bottom corner of fuel cell next to engine nacelle on right wing. Removed multiple layers of old PRC and cleaned surface of area to be sealed. Replaced fuel sender through wall connector P/N: GS02-14S-2P-112, and fuel sender connector Amphenol P/N: MS3106F14S-2S. Installed new fuel delivery tube plate assembly P/N: 200072-001UF Rev. F using screw and nut fasteners wet with fuel tank sealant. Replaced inner nacelle fuel tube coupler. Re-sealed inside wall and bottom corner of fuel cell next to engine nacelle with PRC fuel tank sealant PPG P/N: PR2001B1-2. Re-installed access panels with new gaskets P/N: 200041-005 and Flamemasters CS-3330-B2 panel sealant.

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Mullens Aviation

Cowboy Way Labelle, FL 33935 Ph 239-878-6855
Date: 07/12/2023 Acft. Hobbs: 3645.4 TSOH: 231.4 TT: 3645.4

Left Propeller Log S/N: CK3746A

This propeller has been inspected IAW an Annual Inspection per FAR 43 Appendix D, also referencing the Aerostar Maintenance Manual checklist and was found to be in an airworthy condition at this time. AD's were checked for compliance through TData issue date 2023-12. Removed propeller sent to Aircraft Propeller Works Inc. for reseat/repair WO# 6243P. Reinstalled propeller after repair with new O-ring Hartzell P/N: C3317-228. Replaced deice brushes with Rapco P/N: RA1543-7.

MAINTENANCE RELEASE: I certify that work completed has been ops and leak checked ok and has been determined to be in airworthy condition at this time.

James Phillip Menez A&P 4093622 IA

Mullens Aviation

225 East Cowboy Way Labelle, FL 33935 Ph 239-878-6855
Aircraft: N701KE Date: 07/12/2023 Acft. Hobbs: 3645.4 TSOH: 970.4 TT: 2470.4

Left Engine Log S/N: RL-24677-48A

This engine has been inspected IAW an Annual Inspection per FAR 43 Appendix D, also referencing the Aerostar Maintenance Manual checklist and was found to be in an airworthy condition at this time. AD's were checked for compliance through TData issue date 2023-12. Complied with the following AD: **AD 15-19-07** complied with by visual inspection, replaced as needed next **Due Aug. 01, 2024, or Acft. Hobbs: 3745.4. or any maintenance done to injectors or injector lines.** Changed Oil and filter. Filter was inspected, no contaminants found. New Champion CH48110-1 oil filter was installed. Sump screen checked no contaminants found replaced with new crush gasket P/N: AN900-16. Engine was serviced with 10 qts. Aeroshell W100 Plus oil. Performed compression check as follows: #1=74/80 #2=74/80 #3=76/80 #4=76/80 #5=76/80 #6=76/80. Cleaned, gapped, checked, and rotated spark plugs. Checked left and right Magneto timing, was found to be IAW engine data plate. Lubed wastegates. Replaced forward case crankshaft seal P/N: LW 15628. Tightened oil temperature sender and safety wired. Replaced induction air filter metal screen with serviceable unit. Re-safety wired alternator tensioning bracket bolt. Replaced upper baffling seal as needed and seal open areas with Red RTV. Replaced upper two engine mount isolators with serviceable units. Freed up, lubed, and rigged wastegates. Replaced bent inboard wastegate actuating rod with serviceable unit. Replaced torn induction duct from outboard turbo outlet to airbox inlet P/N: 98-10002-001. Repositioned and secured shorted left engine #1-EGT probe wire going through aft inboard side wall of nacelle. Replaced all valve cover gaskets REAL P/N: RG-67193-SP. Replaced cylinder oil return line couplers and tightened B-nuts. Tightened intake and exhaust bolts and nuts.

MAINTENANCE RELEASE: I certify that work completed has been ops and leak checked ok and has been determined to be in airworthy condition at this time.

James Phillip Menez A&P 4093622 IA

Mullens Aviation

225 East Cowboy Way Labelle, FL 33935 Ph 239-878-6855
Aircraft: N701KE Date: 07/12/2023 Acft. Hobbs: 3645.4 TSOH: Undetermined TT: Unknown
(See Log Entry 09/08/2021 for engine time explanation)

Right Engine Log S/N: L-13805-48A

This engine has been inspected IAW an Annual Inspection per FAR 43 Appendix D, also referencing the Aerostar Maintenance Manual checklist and was found to be in an airworthy condition at this time. AD's were checked for compliance through TData issue date 2023-12. Complied with the following AD: **AD 15-19-07** complied with by visual inspection, replaced as needed next **Due Aug. 01, 2024, or Acft. Hobbs: 3745.4. or any maintenance done to injectors or injector lines.** Changed Oil and filter. Filter was inspected, no contaminants found. New Champion CH48110-1 oil filter was installed. Sump screen checked no contaminants found replaced with new crush gasket P/N: AN900-16. Engine was serviced with 10 qts. Aeroshell W100 Plus oil. Performed compression check as follows: #1=73/80 #2=79/80 #3=76/80 #4=76/80 #5=76/80 #6=77/80. Cleaned, gapped, checked, and rotated spark plugs. Sonic cleaned injectors reinstalled with new O-rings, and flat rubber washer's P/N: SA630979-9, and SA640612. Replaced injector sense lines Aeroquip P/N: 306-3. Checked Lt and Rt Magneto timing, was found to be IAW engine data plate. Lubed wastegates. Replaced broken TIT probe P/N: 86255. Cleaned induction air filter metal screen. Replaced inboard #2, #4, and #6-cylinder exhaust gaskets P/N: 77611 and waste gate gasket P/N: 320006-547. Replaced lower inboard engine mount isolator with serviceable unit. Adjusted, shimmed, and aligned upper outboard turbo attaching bracket to support arm. Freed up, lubed, and rigged wastegates. Routed turbo controller pressure sense line and tightened remaining fittings and hoses. Replaced wire terminals on #2-cylinder EGT probe wires. Replaced all valve cover gaskets REAL P/N: RG-67193-SP. Tightened cylinder oil return line couplers and B-nuts. Tightened intake and exhaust bolts and nuts.

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James Phillip Menez A&P 4093622 IA

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Replaced left and right cabin pressure hose from side wall to above hat shelf. Replaced cabin gyro filter can P/N: RA2J4-4. Adjusted fuel gauges IAW Aerostar MM chapter 28-46-00 pages 28-52 to 28-54. Cleaned O-ring sealing area under left and right fuel caps. Sealed base of VHF antenna on top side of fuselage with PRC sealant. Replaced loose corroded rivets on right flap inboard bottom. Replaced loose corroded rivets above flap on wing skin left and right sides. Replaced loose rivets on inboard lower forward wing spar line left and right side. Replaced loose rivets on right lower engine nacelle tail pipe shroud. Replaced annunciator panel push to test button switch with serviceable unit. Replaced missing stall strip on upper outboard left engine nose bowl. Re-attached Velcro on baggage compartment upholstery panels. Replaced under glareshield and side lights as needed Norman P/N: 313. Replaced panel post lights as needed GE P/N: 327. Replaced annunciator panel test button with serviceable unit. Replaced broken knob on voltmeter with serviceable knob. Replaced auxiliary fuel tank gauge with serviceable unit. Identified and labeled unknown circuit breakers. Painted center console and re-labeled. Reattached windshield trim upholstery. Gained access to 70-amp breaker on 176 panel cover by making new hole at breakers new location. Replaced left engine tach. generator with serviceable unit. Removed P/N: 41934-13 S/N: C900033 and installed P/N: 41934-13 S/N: C900055. Replaced right wing fuel sender with overhauled unit from Tech-Aire Instruments, Inc. WO# 004113. Removed P/N: PAA614 S/N: 0919 and installed P/N: 020-941-001 S/N: 506. Reinstalled access panel with new gasket P/N: 200041-005 and panel sealant Flamemasters Corp. CS-3330-B2. Replaced ships main battery. Removed Concorde P/N: RG24-20 S/N: 41050508 and installed serviceable unit Concorde RG24-20 S/N: 41103451. Repositioned and secured shorted left engine #1-EGT probe wire going through aft inboard side wall of nacelle.

MAINTENANCE RELEASE: I certify that work completed has been ops and leak checked ok and has been determined to be in airworthy condition at this time.

James Phillip Menezes A&P 4093622 IA