

N71081 Aircraft Total Rebuild and Modifications

Aircraft disassembled and identification plate removed and placed in storage. All fabric removed. Bare fuselage placed in jig. Any bent or rusted metal tube was replaced. Fuselage aluminum stringers were replaced with much stronger chrome moly. Metal tabs were welded on the aft bottom for a rear metal inspection plate. A front seat shoulder harness attachment fitting was welded on as per Atlee Dodge drawing No.3232. Fuselage then sent to Advanced Powder coating for sand blasting and powder coating.

Removed old torque tube control and replaced with new Airframes Alaska 21811-003 torque tube after powder coating.

Replaced old horizontal stabilizer screw jack with new.

All new stainless steel control and trim cables were installed as per piper repair and maintenance manuals and AC43.13-1B Chapter 7, Section 8. .

New pilots floor board fabricated with 2024 T-3 .032 Aluminum, then powder coated gray. Rear under seat fiber glass storage compartment replaced with light weight carbon fiber.

Brake cylinders cleaned and overhauled with new "O" rings and diaphragms. Brake and rudder pedal assembly inspected then sand blasted, powder coated and installed.

New Atlee Dodge Titanium firewall and boot cowl installed. Atlee Dodge Windshield defroster kit installed as per installation instructions.

New S.I.R.S. NV2A-2400 Nav-Compass installed on boot cowl above instrument panel.

Atlee Dodge Clamp On Rear Seat Shoulder Harness Attach fitting installed as per Atlee drawing NO.3232.

New Atlee Dodge PA-18 modified Folding front pilot seat installed per STC 02085AK. Front Atlee Dodge under seat light weight battery rack installed as per Master Data list 3304.

Old rear seat replaced with Carbon Concepts Fiber bottom and back panel. Front and back seats covered with leather high tec foam seat cushions and covers.

Halon fire extinguisher installed on lower back of pilots seat.

New maule four position fuel selector installed.

All side panels replaced with .016 2024 T-3 Powder coated Aluminum. Aluminum map storage installed on right forward side panel.

Fabricated a new custom instrument panel of .050 2024 T-3 Aluminum. Powder coated. Installed a Garmin Area 796 Americas with XM weather, AirGizmos Panel Dock for Garmin 796, Garmin SL40 VHF Com ser# 25816565, Garmin GTX 327 mode A/C Transponder ser#83744905, Trans-Cal Industries Model SSD120-(XX)N Solid State Altitude Encoder ser #N14194, P.S. Engineering PM 3000 Intercom System ser #FO8297-A, Electronics International R-1-4 tachometer, Electronics International VA-1-A Volt/AMP Meter, Electronics International OPT-1 Oil Pressure/Temp, Electronics International EAC-1 EGT/CARB/CHT, Mini UMA 2 ¼ inch 14V Turn &

Slip, Mini 2 ¼ inch vertical speed, New United Instruments Altimeter 20K, All new C/B and switch breakers installed. New keyed ignition switch ACS Products A-510-2 installed. Installed Sonderberg Model S1990/12 cockpit movable light, installed Nulite instrument lights on the non-lite instruments. Installed Electronics International LED yellow warning light and Red Led warning light. Yellow for Voltage and Red for Oil Pressure.

Installed new Kannad 406 ELT on rear upper luggage rack.

Installed new Atlee Dodge PA-18 balanced horizontal stabilizer and new elevator and rudder.(all powder coated)

Installed new three spring tail spring . Installed Scott 3200 tail assembly with replacement Airframes Alaska ABI 2600A wheel and Scott tire.

Installed New Atlee Dodge PA-18 Heavy Duty 1 ¼ " Main Landing Gear with Cleveland /Parker six inch wheels and Brakes . New Aero 8.50X6 tires installed.

Atlee Dodge long step installed on Entry side and short step on left side.

Removed old piper landing gear strut assembly and replaced with A.O.S.S. Burl Aircraft Shock Struts.

Piper identification plate reinstalled on new front floorboard.

New single piece left side window fabricated with chrome moley square and round tube and attached on top with three inch stainless steel pinned hinges.

Installed overhauled Continental C-90-12A engine .

B&C 30 AMP Altenator and PMR1C-14 Regulator with permanent Magnet PM/OV Filter Kit 14 volt was installed per B&C Specialty Products Installation Instructions and AC43.13-1B Sec 3 thru 8.

Installed new Steves Improved Fuel Gascolator.

Entire aircraft recovered with Poly-Fiber as per STC SA1008WF Revision 21 dated September 2006. Color of Fabric is Poly-Tone Federal Yellow and Dakota Black. All metal painted with Federal Yellow and Dakota Black Aerothane.

Wings wired and Whelen wing tip position/strobe lights installed. Piper PA-18 landing/Taxi light installed in left wing. Whelen tail nav/strobe and Beacon/Strobe installed on tail.

New Lifetime sealed Struts and heavy duty forks Part # PI 85555-02 and PI 85554-02 installed.

Installed light weight carbon fiber fuel tank covers.

All new plexiglass windows installed.

Micro Vortex replaced on wings and horizontal stabilizer.