



AMERICAN LEGEND AIRCRAFT SERVICES
1810 Piper Lane – Sulphur Springs, TX 75482 USA
Phone: 903-885-7000

Aviat Aircraft A1A (9/1998)
Reg. Number: N111XJ
Serial Number: 1429

Date: June 24, 2024
Aircraft Total Time: 848.0

Engine: Lycoming O-360-A1P
Serial Number: L-36241-36A

Engine SMOH: 0.00
Engine TT (new): 848

Propeller: MT Propeller MTV-15-B/210-58-U
Serial Number: 3541

SPOH: 0.0 (Factory Overhaul)

Aircraft involved in landing incident that nosed over on aircraft and propeller strike. American Legend Aircraft Manufacturing for prop strike inspection and aircraft repairs. Aircraft inspection, found damage to propeller, engine prop strike, rudder, windscreen, and skylight. Wing damage was minor with damage to (6) sections of leading edges, (2) main ribs, (16) nose ribs, (2) front wing struts, and (1) rear wing strut. No Damage was found to the landing, nose cowl, fuselage structure, wing ailerons and flaps, stabilizer or elevators. The following parts replaced and/or sent out for inspection/repair per Legend Aircraft manufacturing specs and processes. All work performed was repaired with new PMA and Aviat Aircraft parts and/or repaired to factory new standards. Repairs are considered to have No Diminished Value (NDV) to aircraft. Work scope details and material used are on file at American Legend and noted below.

Work details listed below:

- Engine removed from aircraft for overhaul. See Engine Logbook for details.
- Removed MT PROPELLER MTV-9-B/198-52, S/N: 110276, 3 Blade Propeller. Installed MTV-15-B/210-58, SERIAL NUMBER: 03541 under same for both propellers STC# SA02870CH. Provide to aircraft owner AIRPLANE FIGHT MANUAL SUPPLEMENT, FR0912-7, REV. B NOV. 30, 2016. INSTALLATION INSTRUCTIONS, FR0912-3, REV. C, DATE: 7/11/2016. AUTHORIZED STC FROM FLIGHT RESOURCE, LLC, INSTRUCTIONS FOR CONTINUED AIRWORTHINESS, FR0912-8, REV. C DATE: 7/11/2016.
- Removed all fabric covering from complete aircraft. Fabric was replaced using Ceconite C-102 fabric and Ceconite aircraft covering process, dated August 1997, and Star Gloss procedure manual per STC SA4503NM. Randolph Ranthane colors: Randolph White (Q-1916), Bahama Blue (H-9170), Black (F6117), Polar Grey (Y-6100). STC filed.
- Scope of work and parts from Aviat Aircraft: (Ref. Shipper Ref. No. 241431622, Inv. 152383, 152418, 152456)
 - 35011-001 Qty. 4 Wing Rib, Nose
 - 35011-002 Qty. 12 Wing Rib, Nose
 - 35012-001 Qty. 1 Wing Rib, Center
 - 35012-002 Qty. 1 Wing Rib, Center
 - 35170-001 Qty. 1 Leading Edge, Wing
 - 35170-002 Qty. 1 Leading Edge, Wing
 - 35170-004 Qty. 1 Leading Edge, Wing
 - 35170-006 Qty. 1 Leading Edge, Wing
 - 35170-005 Qty. 1 Leading Edge, Wing
 - 35170-008 Qty. 1 Leading Edge, Wing
 - 35291-501 Qty. 1 Rear Wing Strut
 - 35260-501 Qty. 2 Front Wing Strut
 - 32175 Qty. 8 Segment, Bearing
 - 30592-901 Qty. 2 Strap
 - 35605-001 Windscreen Attach Angle, Outside
 - 81620 Strut fork
- Installed Micro replacement VG kit per previous STC.
- Removed and installed new shock bungees P/N: 62990 using T-1280 Husky Install Tool.
- Installed new fuel sight gauge tubes with Superthane Poly-U Tubing ½ ODx1/4.
- Installed new cowling fasteners – (13) 4002-4 Camloc studs, (13) 4002-H Camloc grommet, (13) 40G26-1 Camloc SS retainer rings.
- Removed and installed new Concord RG-25XC Platinum Series Sealed Battery
- Removed and installed ne BA4106 Bracket Complete Assembly
- Removed windscreen, skylight, LH side windows, RH upper side window and both rear side windows. Installed new Great Lakes Aero Prod. Inc. (ref. Invoice 233033). (1) W/G-2563 Aviat Windshield .150" Grey, (1) W/G-1283 Aviat Triangle W/D

.080, (2) W/G-1284 Aviat Slider Fwd./Rear, (1) W/G-1285 Aviat Door W/D .100, (2) W/G-1286 Aviat Rear .080, (1) W/G-2704 Skylight 1/8" Grey.

- Aircraft re-assembled as applicable using new AN hardware per Parts Catalog. checked aileron, rudder, and elevator control surface movements per TCDS A22NM. Elevator UP 29° ± 1° DOWN 15° ± 1° Ailerons UP 20° ± 2° DOWN 20° ± 2° Rudder LEFT 25° ± 2° RIGHT 25° ± 2° Flaps UP 0° DOWN 30° + 0°, -2°. Cable tensions per Aviat Aircraft Husky A-1 and A-1A Aircraft Instructions for Continued Airworthiness Manual 70192-002, Rev. B, 6/05/2003
- Performed an Annual Inspection using Aviat Aircraft Husky A-1 and A-1A Aircraft Instructions for Continued Airworthiness Manual 70192-002, Rev. B, 6/05/2003, Section II, Inspection Instructions Check List.
- Performed ELT inspection in accordance with FAR91.207(d) all found normal, ELT Battery replacement Date Due: March 2028.
- Performed AD research for Airframe, Engine, Propeller, Appliances report dated: 6/23/2024, FAA ADs checked thru 2024-12, 06/03/2024 – 06/16/2024. See AD list for compliances.

I certify that this aircraft has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition.

Darin Hart (A&P3488815IA)

Inspector for American Legend Aircraft Company

Weight and Balance		Date:	6/24/2024
		N-Number:	N111XJ
		Serial No:	1429
Mains - L	633	61.56	38967.48
Mains - R	612	61.56	37674.72
Tail	81	245	19845
Empty	1326	72.8	96487.2
Aircraft as Configured: with full oil, unusable fuel and equipped			
Fwd. CG Limit	at 1500 or less	72.5	
Rear CG Limit	at 1500 or less	78.4	
Fwd. CG Limit	at 1890 lbs.	74.5	
Rear CG Limit	at 1890 lbs.	78.4	
Landing weight 1900 Lbs. or less			
Useful Load	564		