

AIRCRAFT DESCRIPTION

MANUFACTURER BELLANCA AIRCRAFT CORP. MODEL 8KCAB DATE OF MFG. 7-07-77

SERIAL NUMBER 327-77 REGISTRATION NUMBER N777DW

REGISTERED OWNER
STREET ADDRESS
CITY, STATE, ZIP
OPERATOR
STREET ADDRESS
CITY, STATE, ZIP
REGISTERED OWNER
STREET ADDRESS
CITY, STATE, ZIP
OPERATOR
STREET ADDRESS
CITY, STATE, ZIP

Inspection Status

[Check one]

F.A.R. 91.169 ANNUAL/100 HOUR

F.A.R. 91.71 PROGRESSIVE

F.A.R. 91.217 SUBPART D

F.A.R. 135.60 A.T.C.O.

OTHER

DATE ENTERED _____

MAINTENANCE RESPONSIBILITY

MAINTENANCE RECORD

F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
7-11-77	1.30	Installed Narco Comm N and Nav. 11 per Dug 4-1633 and Narco AT-50 Transponder per Dug 4-1616. See Weight and Balance Supplement for loading schedule. David N. Waterman MMF 3-14-16	
7-14-77	1.30	I certify that the ATC Transponder has been tested on this date as required by FAR Part 91.177. David N. Waterman MMF 3-14-16	
7/27/2023		Logbooks closed out See Adlog book. FRA F35R9774	

35 hrs TT *

DATE

7/21/2023

Fuselage frame media blasted, repaired, updated to current 8KCAB standards, and powder coated by American Champion Aircraft. Installed new formers and stringers per Rainbow Flying Service STC SA00860SE. Installed new ACA top greenhouse formers (3-1439), antenna bracket (4-2110), greenhouse/windshield support (2-1908), belly stringer supports (2-2218-1, 2-2218-2), and windshield support (7-1438). Installed controls with all new bushings/bearings/hardware from ACA, new ACA front brake pedals (3-1537-1L, 3-1537-1R), and all new ACA control and trim cables (3-1072, 2-1534, 1-2397, 1-2364, 2-1905). Brake master cylinders and parking brake valve disassembled, cleaned/inspected, and reassembled with new seals throughout. Rear folding seat was refinished and new ACA cable restraint (1-9967) was installed, installed new ACA front adjustable seat (7-1499-1). New ACA composite floor boards installed (5-458-L, 5-458-R, 4-2150, 4-2151). Installed new Airtex vinyl headliner. Static pressure system installed using new ACA dual static port assemblies (11-0662, 1-10590, C40785-017) and new tubing/fittings. Inverted fuel system installed per ACA Dwg. 7-1414 (Installation, Fuel System-Inverted) with all new fuel tubing, new PVC protective tubing, new ACA header tank & supports (4-1534, 1-9826, 2-761-10) and new ACA fuel shutoff valve (11-0659-1). Existing RH horizontal stabilizer and elevator panels were refinished, LH horizontal stabilizer, elevator, and rudder assembly are new from ACA (4-1478, 4-1701, 4-1697, 3-1619). All existing control system pulleys were cleaned and greased. Tailwheel assembly disassembled, cleaned & painted, and reassembled with all new hardware, new ABI steering arm (ABI-3214-00), new ABI wheel axle (3200-ABI-3236), new tire/tube, and new ACA tailwheel spring (3-1543). All work done in accordance with FAA AC43.13 and Bellanca 8KCAB Parts and Service manuals.

Electrical/instruments/avionics systems assembled/installed per FAA AC43.13, ACA drawing 7-1627 (Installation, Instrument Panel), ACA Service Letter 418 (Electrical System Update), and Bellanca 8KCAB Parts Manual using all new wiring, circuit protection devices and switches. Fabricated new battery board, installed new ACA battery box (4-1995, 2-2240) and master & starter solenoids per ACA SL418 Figure 5 using ACA SL418 install kit. New ACA instrument panel blank and lower instrument panel (4-1734) were configured and assembled with new Klaxon circuit breakers (7274-2-X style), new Tyco switched circuit breakers (W31-X2M1G-X style), new ACA Master and Ignition switches (1-9152-1, 1-9152-2), newly overhauled (By Century Instruments) airspeed, altitude, and accelerometer gauges, new uAvionix AV-30-C (per uAvionix STC SA00410BO), new AirGizmos iPad Mini 6 panel dock #PD32, new JPI EDM-900 (per JPI STC SA09892AC), new GTX-345 transponder/ADS-B (per Garmin AML STC SA01714WI) with new Garmin GA-35 WAAS GPS antenna and Comant CI-105 transponder/ADS-B antenna, new Garmin GTR-200B VHF COMM with new Comant CI-121 VHF Comm antenna, new Garmin GSB-15 USB power hub, and new ACK ELT remote control panel. A new Seaton MaxDim (9100-001-A) panel lights dimmer (airspeed and altimeter lights only) was installed per STC SA01800SE. A new ACK E-04 ELT was installed per the ACK installation manual (E04M) aft of the rear seat. All electrical hardware was placarded as required.

Applied new fabric to fuselage and tail surfaces per FAA AC43.13 and ACA specification CFI-1 (Installation Procedure: Dacron) using 102 weight Ceconite and Superflite fabric with 3M Fastbond 30-NF adhesive. All reinforcement patches and tapes applied per ACA dwg. 7-1268 (Covering-Fuselage).

* Aircraft removed from service after approximately eleven months in service on June 8, 1978 with unknown total time. Aircraft total time from prior use has been estimated to be 35 hours.

Wesley S. ...
 — 2156977 I.A.

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTAL brought forward from previous page			

7/24/2023 Tach Time 0.0

Re-assembled aircraft per applicable American Champion Aircraft drawings and specifications, reference FRA work A0355 for details of work accomplished and parts replaced during re-assembly. Installed firewall, two front floor boards, rudder return springs, rear seat heat ducting, fuel shut off valve system, engine, propeller, and cabin controls, toe brake system, voltage regulator, front and rear PTT wiring, pitot static system, Mag wires, wires 131 112 109 336 111 190 194, bootcowl, windshield, upper greenhouse, rudder cable fuselage pass thru's, belly pan. Pressured tested fuselage fuel system. Painted fuselage and tail control surfaces per specification CF-4 and customer requested scheme. Installed and rigged tail surfaces. Installed new metal spar wing assemblies with new style p/n 4-2142 ailerons installed. Installed new aluminum main landing gear and tail wheel assembly. Installed new aircraft interior. Installed new cabin door and left window assemblies. Weighed aircraft and created new weight and balance, inserted into Flight Manual. Ground run-up of aircraft to check for proper operation of installed equipment prior to aircraft flight. Aircraft was flown to check for proper rigging and operation of installed equipment.

[Signature]
Patrick F Shelton II, FRA Enterprises Inc F35R977Y

Fox River Aviation
P.O. Box 37
Rochester, WI 53167
Date: 7/24/23 Work Order No. A0355

I certify that the static system check required by FAR 91.411 have been performed this date and found to comply with Part 43, Appendix E, Para A.

[Signature]
Signed for CRS No. F35R977Y

Fox River Aviation
P.O. Box 37
Rochester, WI 53167

Date: 7/24/23 Work Order No. A0355

I certify that the ATC transponder test and inspections required by FAR 91.413 were performed this date and found to comply with FAR 43, Appendix F.

Transponder
Make Garmin
Model GTN 345
Serial No. 3EG441260
[Signature]
Signed for CRS No. F35R977Y

Fox River Aviation
P.O. Box 37
Rochester, WI 53167

Date: 7/24/23 Work Order No. A0355

I certify that the automatic pressure altitude reporting system checks required by FAR 91.217 and FAR 91.411 have been performed this date and were found to comply with Part 43, Appendix E, Para C.

Transponder Serial No. 3EG441260
Encoder Serial No. 316024539

[Signature]
Signed for CRS No. F35R977Y
FRA form 008


7/24/2023 Tach Time 0.0, Total time 35.0

Performed annual inspection in accordance with American Champion Aircraft service manual and 14 CFR part 43 appendix D. ELT checks satisfactory. AD's checked through Bi-weekly 2023-12, no due or are applicable at this time. Main landing gear through bolt replacement due at 500.0 tach time, front strut fitting inspection due at 1000.0 tach time. I certify that this aircraft has been inspected in accordance with an annual inspection and determined to be in an airworthy condition and is approved for return to service. *[Signature]* AEP 29719671A

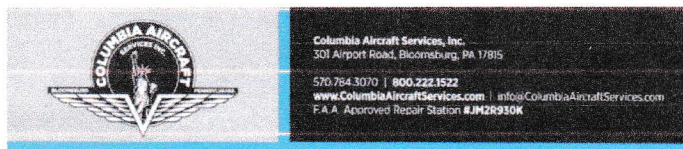
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INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
		 <div style="display: inline-block; background-color: black; color: white; padding: 5px; font-size: 8px;"> Columbia Aircraft Services, Inc. 301 Airport Road, Bloomsburg, PA 17815 570.764.3070 800.222.1522 www.ColumbiaAircraftServices.com info@ColumbiaAircraftServices.com F.A.A. Approved Repair Station #JM2R930K </div>
04 Mar 2022	TT eng 1169.0	TSMOH 0.0 Major Overhaul AEIO-360-H1A Engine S/N L-19980-51A. Crankshaft P/N AEL36002 S/N N19JFA4901855 STD Mains and STD Rods. AD 2004-10-14 C/W New Bolt P/N SL-STD-2213 Installed and Torqued and Saftied as per S.B. 475. Installed O/H Lycoming Cylinder Kits P/N LW-12427. AD 2011-26-04 C/W Externally Mounted Fuel Injector Fuel Lines as per M.S.B. 342F. Magneto's 500 Hour Insp. Slick 4371's S/N 10041066 & 11081242. Overhauled Servo RSA-5AD1P/N 2524752-7 S/N 70CR6003. Engine Test Cell Run and found Satisfactory. Itemized Parts List and Maintenance certificates are included. Mdl. AEIO-360-H1A S/N L-19980-51A Engine has been Overhauled in Accordance with Factory Overhaul Manual 60294-7. All Applicable FAA AD's & Factory Service Bulletins have been complied with. All parts have been inspected & have been determined Airworthy for return to Service. Pertinent details of the repair are on file at this agency under work order No. 028985 Dated 3/04/ 2022. Signed <i>[Signature]</i> for Columbia Aircraft Services, Inc. Bloomsburg, Pa 17815 FAA R.S. JM2R930K

INSPECTION & MAINTENANCE RECORD






04 Mar 2022

TT eng 1169.0

TSMOH 0.0

Major Overhaul AEIO-360-H1A Engine S/N L-19980-51A. Installed New Crankshaft P/N AEL36002 S/N N19JFA4901855 STD Mains and STD Rods. AD 2004-10-14 C/W New Bolt P/N SL-STD-2213 Installed and Torqued and Saftied as per S.B. 475. Installed O/H Lycoming Cylinder Kits P/N LW-12427. AD 2011-26-04 C/W Externally Mounted Fuel Injector Fuel Lines as per M.S.B. 342F. Magneto's 500 Hour Insp. Slick 4371's S/N 10041066 & 11081242. Overhauled Servo RSA-5AD1P/N 2524752-7 S/N 70CR6003. Engine Test Cell Run and found Satisfactory. Itemized Parts List and Maintenance certificates are included. Mdl. AEIO-360-H1A S/N L-19980-51A Engine has been Overhauled in Accordance with Factory Overhaul Manual 60294-7. All Applicable FAA AD's & Factory Service Bulletins have been complied with. All parts have been inspected & have been determined Airworthy for return to Service. Pertinent details of the repair are on file at this agency under work order No. 028985 Dated 3/04/ 2022.

Signed  for Columbia Aircraft Services, Inc.
Bloomsburg, Pa 17815 FAA R.S. JM2R930K

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED — SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
7/24/2023			Tach Time: 0.0, TSMO: 0.0, Total Time: 1169.0	<p>Installed this engine AEIO-360-H1A s/n L-19980-51A on 8KCAB N777DW s/n 327-77 per American Champion Aircraft drawing 7-1502 and 7-1580. Serviced with 8 qts Aeroshell straight mineral oil 100W and filter. Reference FRA work order A0355 for details.</p>  <p>Patrick F Shelton II, FRA Enterprises Inc F35R977Y</p>
7/24/2023			Tach Time 0.0 TSMO: 0.0 Total Time: 1169.0	<p>Performed annual inspection in accordance with American Champion Aircraft service manual and 14 CFR part 43 appendix D. I certify that this engine has been inspected in accordance with an annual inspection and determined to be in an airworthy condition and is approved for return to service.</p> 
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