



Finefield Aviation, Inc.

Lake in the Hills Airport
8399 Pyott Road
Lake in the Hills, Illinois 60156

Service Log

Ticket Num: 4471
Customer ID: 167JW

Bo Harper

ANNUAL Inspection for 167JW on 5/7/2021.

ANNUAL SERVICES						
Aircraft No.	Serial No.	Aircraft Type	TTAF	Hobbs	TSMOH	TSPOH
167JW	D-8792	Beech V35A	4887.1	0	2239.6	1856.5

Logbook entries are marked E, A, or P. A/Ds are in Parentheses

Services Performed: Engine-----

- 1 E Compression test: 1) 70/80, 2) 68/80, 3) 64/80, 4) 72/80, 5) 74/80, 6) 74/80.
- 2 E Checked magneto timing to specs.
- 3 E Checked starter brushes, ok.
- 4 E Changed oil and filter. Cut open old oil filter and found no metal contaminants. Serviced engine with 11 qts. of 100W Shell oil.
- 5 E Tightened valve cover screws.
- 6 E Cleaned fuel controller screen, reinstalled and safetied.
- 7 E Cleaned, gapped and inspected spark plugs.
- 8 E Tightened intake and exhaust flange nuts and bolts.
- 9 E Tightened induction tube hose clamps.
- 10 E Tightened engine breather and instrument system hose clamps.
- 11 E Installed new inlet and inline instrument filters.
- 12 E Installed a new instrument filter.
- 13 E Cleaned and installed spark plug wire ends.
- 14 E Installed a new induction air filter element.
- 15 E Dressed prop blade leading edges.
- 16 E Dry air pump is due for replacement. Removed old pump and cleaned surfaces. Found drive seal leaking. Removed drive pad and replaced seal. Reinstalled drive pad using new gasket. Installed overhauled dry air pump p/n: 216CW s/n: 193409.
- 17 E Washed down engine.
- 18 E Ran up and checked for leaks found none.
- 19 E Pressure checked engine fuel system and found no leaks.

Services Performed: Airframe-----

- 20 A Checked lights, pitot heat and stall warning.
- 21 A Tested ELT I.A.W. F.A.R. 91.207(d). Installed new ELT batteries next due for replacement May 2022.
- 22 A Tested ELT remote switch, battery is due for replacement May 2022.
- 23 A Compass has air in it. Removed compass, disassembled, cleaned, reassembled with new seals, gasket, and serviced. Reinstalled compass and checked operation.
- 24 A Cleaned, inspected and greased wheel bearings.
- 25 A Greased landing gear fittings.
- 26 A Lubed controls.
- 27 A Serviced tires, battery and brake reservoir.
- 28 A The brake linings are worn beyond 1/2 way. Replaced all brake linings and lubed brake caliper pins.
- 29 A Cleaned fuel strainer screen, installed a new gasket and safetied.
- 30 The right flap bulkhead is cracked 3/16 of an inch. Deferred.
- 31 A The right flap actuator bracket front screw is loose. Removed actuator bracket bolt to access screw. Tightened screw and reinstalled actuator bracket bolt and tightened.
- 32 A Checked landing gear rigging to Beech specs.
- 33 A Washed aircraft.
- 34 A Ran up and checked all systems operated normal.

Services Performed: Propeller-----

35 P Dressed prop blade leading edges.

Services Performed: A.D.-----

36 A* C/W AD 76-07-12 Bendix switch by operation. Due again in 100 hrs.

37 A* C/W AD 94-20-04 R2 Beech fuselage rear bulkhead inspection at F.S. 256.9 and F.S. 272 and found no faults. Next due in 100 hrs.

38 A* C/W AD 97-14-15 Hawker cabin door handle inspection by operation. Due again at next handle removal.

39 P* C/W AD 2007-08-04 McCauley Prop inspection and nick removal I.A.W. McCauley ASB 248 para 2B-2F. No cracks detected. Next due in 100 hrs.

40 A* C/W AD 2007-08-08 Beech uplock roller and bolt inspection and lubrication. Next due in 100 hrs.

41 A* AD 95-04-03 Beech forward carry thru inspection is next due in 241.7 hrs.

42 E* S/B 0546-359 Alternator bearing inspection is due in 333.7 hrs.

43 E* S/B 18-04A Continental Motors cylinder thru bolt nuts D.N.A. due to ZB not being on nuts. S/B is now satisfied.

Rev 2019-1



Finefield Aviation Inc.

8399 Pyott Road
 Lake in the Hills, IL 60156
 815-459-4858

Invoice

DATE	INVOICE #
6/16/2020	81802

BILL TO				AIRCRAFT NO.	HOBBS
Bo Harper P.O. Box 95 Lake Bluff, IL. 60044				167JW	2215.4
		TYPE AC	SERIAL NO.	SERVICE DATE	
		Beech V35A	D-8792	12/13/2019	
SERVICES	QTY	ITEM	DESCRIPTION	PRICE EA.	AMOUNT
1. C/W AD 2019-23-10 by inspection of right aileron cable and fittings. No pitting or corrosion found AD is now satisfied.					
		LA1	Labor Charge	170.00	170.00
			Sales Tax	8.00%	0.00
Total					\$170.00

Terms: Late charges of 1.5% per month. Annual rate of 18% will be assessed on all invoices not paid within 30 days.



Finefield Aviation, Inc.

Lake in the Hills Airport
8399 Pyott Road
Lake in the Hills, Illinois 60156

Service Log

Ticket Num: 4130
Customer ID: 167JW

Bo Harper

Service for 167JW on 12/13/2019.

SERVICES PERFORMED							
Aircraft No.	Serial No.	Aircraft Type		TTAF	Hobbs	TSMOH	TSPOH
167JW	D-8792	Beech	V35A	0	2215.4	0	0

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Services Performed: Airframe-----

1 A* C/W AD 2019-23-10 by inspection of right aileron cable and fittings. No pitting or corrosion found.



Finefield Aviation Inc.

Lake in the Hills Airport
8399 Pyott Road
Lake in the Hills, IL 60156

Annual Date- 6-14-19

ANNUAL SERVICES DESCRIPTION			Bo Harper			
Aircraft No.	Serial No.	Type Aircraft	Hobbs	TTAF	TSMOH	TSPOH
167JW	D-8792	Beech V35A	2191.5	4820.8	2173.3	1790.2

Services Performed:

Engine

1. Compression test: 1) 70/80, 2) 70/80, 3) 73/80, 4) 70/80, 5) 76/80, 6) 75/80.
2. Checked magneto to engine timing.
3. Cleaned fuel controller inlet screen, reinstalled and safetied.
4. Cleaned, inspected, gapped, rotated and torqued spark plugs.
5. Installed new instrument inline and inlet air filters.
6. Tightened rocker cover screws.
7. Cleaned spark plug wire ends.
8. Checked and tightened exhaust nuts and intake flange bolts.
9. Installed a new induction air filter element.
10. Changed oil and filter. Cut open old oil filter and found no metal contaminants. Serviced engine with 11qts. of 100W Shell oil.
11. Tightened the induction hose clamps.
12. Tightened instrument air and engine breather hose clamps.
13. The oil quantity rod is loose on the cap and the spring washer is faulty. Installed a new oil dipstick and cap assembly.
14. There are some small nicks in the face of propeller blades #1 and #3. Dressed out the nicks on the face of #1 & #3 and the leading edges. Sanded the dressed areas with 600 grit and checked for cracks with dye penetrant inspection per AD 2007-08-04 detecting none. Treated the exposed areas with etch and alodine, primed with zinc chromate and top coated flat black.
15. Lubricated the engine controls and checked rigging.
16. Washed down the engine.
17. Performed an engine fuel pressure check with no leaks detected.
18. The alternator is dropping offline from time to time. Replaced alternator, with an overhauled alternator using existing drive, and a new gasket. Installed also, a new voltage regulator and checked operation, checked ok.

Services Performed:

Airframe

1. Tested ELT I.A.W. F.A.R. 91.207(d). ELT batteries are due Aug. 2018. Installed new batteries and tested. ELT batteries are next due for replacement June 2020.
2. Tested ELT remote switch. Remote switch battery is due for replacement May 2022.
3. Cleaned fuel strainer screen and reinstalled with a new gasket and safetied.
4. Fuel cap o-rings are deteriorated. Installed new fuel cap o-rings.
5. Serviced tires, battery and brake reservoir.
6. Cleaned, inspected and greased wheel bearings.
7. Checked gear rigging to Beech specs.
8. Left uplock roller to clearance is too tight. Adjusted clearance to specs.
9. Greased landing gear fittings.
10. Greased tail walking gear and trim jack screw fittings.
11. The battery box is missing grommets for the cables. Installed new grommets.
12. Tightened the nose gear down brace "A" frame left and right pivot bolts.

13. The left main gear inboard gear door retract rod attachment bolt at the actuator arm is loose. Tightened the bolt and safetied.
14. The ruddervator trim upper left and right 2 pulleys at the fuselage tail are not turning. Lubricated and freed pulleys.
15. There is a small crack at the radius corner at the bottom end of the right side in the second bulkhead back from the sheer web. Stop drilled the crack.
16. Installed new primary and standby dry air pump inlet filters and a new system inline instrument air filter.
17. The owner reports the CDI indicator does not indicate. Disconnected the "NAV CONNECTOR" at the "GPS I/O 1-1" terminal on the junction box. Cleaned and reinstalled the NAV connector and the operational check was good for the CNX80 self test.
18. Washed down the landing gear.
19. The owner reports the digital fuel flow jump at low volume. Blew out the transducer and checked operation. Checked ok.
20. The left wing forward lower wing bolt plate root seal is coming off. Resecured the seal with adhesive.
21. The right wing tip static wick tail is missing. Installed a new static wick.
22. The landing gear struts are low. Serviced the struts with nitrogen.
23. Washed the aircraft.
24. Ran up and checked all systems operated normal.
25. IFR certification is due 9/2019.

Services Performed: **A.D.'s**

1. C/W AD 76-07-12 Bendix switch by operation. Next due in 100 hrs.
2. C/W AD 94-20-04 R2 Beech fuselage rear bulkhead inspection at F.S. 256.9 and F.S 272 and found no faults. Next due in 100 hrs.
3. C/W AD 97-14-15 Hawker cabin door handle inspection by operation. Due again at next handle removal.
4. C/W AD 2007-08-04 McCauley prop inspection and nick removal I.A.W. McCauley ASB 248 para 2B-2F. No cracks detected. Next due in 100 hrs.
5. C/W AD 2007-08-08 Beech uplock roller and bolt inspection and lubrication. Next due in 100 hrs.
6. C/W S/B 0546-359 Alternator bearing inspection due in 400 hrs.
7. AD 95-04-03 Beech forward spar carry thru inspection is next due in 308.0 hrs.
8. AD 2016-16-12 Continental Motors Inc. D.N.A. due to Continental cylinder assemblies being installed.



Finefield Aviation Inc.

Lake in the Hills Airport
8399 Pyott Road
Lake in the Hills, IL 60156

Annual Date- 9-16-17

ANNUAL SERVICES DESCRIPTION			Bo Harper			
Aircraft No.	Serial No.	Type Aircraft	Hobbs	TTAF	TSMOH	TSPOH
167JW	D-8792	Beech V35A	2159.3	4788.6	2141.1	1758

Services Performed:

Engine

1. Compression test: 1) 70/80, 2) 68/80, 3) 74/80, 4) 72/80, 5) 74/80, 6) 74/80.
2. Checked magneto timing to specs.
3. Cleaned, inspected, gapped and torqued spark plugs.
4. Tightened rocker cover screws.
5. Cleaned spark plug wire ends.
6. Cleaned fuel controller screen, reinstalled and safetied.
7. Checked and tightened exhaust nuts and intake bolts.
8. Changed oil and filter. Cut open old oil filter and found no contaminants. Serviced engine with 11qts. 100W Shell oil.
9. Installed new instrument filters.
10. Removed old induction filter, cleaned filter housing, and installed a new filter.
11. There is still tape on the oil cooler. Removed tape from oil cooler.
12. Inner cylinder baffle support between #2 & 4 cylinders is cracked in 2 places. Removed cracked baffle support and installed a serviceable baffle support.
13. Dressed prop blades.
14. Right tail pipe is too close to firewall. Moved tail pipe away from firewall for more clearance and secured.
15. Washed down engine.
16. Ran up and checked for leaks found none.
17. Lubed engine controls and checked rigging.
18. Pressure checked engine fuel system and found no leaks.

Services Performed:

Airframe

1. Checked lights, pitot heat and stall warning.
2. Right and left strobe lights are inoperable. Troubleshoot and found both wing tip strobe assemblies are bad. Installed 2 new strobe assemblies, checked operation, checked ok.
3. Serviced shimmy dampener and reinstalled.
4. Cleaned fuel strainer screen, reinstalled with a new gasket, and safetied.
5. Compass has air. Disassembled, cleaned, and reassembled with new seals and gasket.
6. Tested ELT I.A.W. F.A.R. 91.207(d). Installed new batteries and tested. ELT battery next due for replacement Sept. 2018.
7. Tested ELT remote switch battery. Battery next due for replacement May 2022.
8. Serviced tires, battery and brake reservoir.
9. Cleaned, inspected and greased wheel bearings.
10. Greased landing gear fittings and tail fittings.
11. Both fire extinguishers are empty. Notified owner.
12. Checked gear rigging to Beech specs.
13. Gear motor brush needs to be checked. Checked gear motor brush, ok.
14. Checked fuel cap o-rings for cracks, found none.

15. Alternator quits from time to time. Remove the voltage regulator from Paul's plane and install in Bo's. Removed regulator p/n: R1530B s/n: M02055. Alternator still quit a time or two. Bought a new regulator p/n: R1530B s/n: 602022 and alternator operated properly.
16. Center nose gear axle bolt is to be removed due to not being used with a tug. Removed bolt.
17. IFR performed by Mobil Avionics this date.
18. The pilot and copilot seats each have 4 seat rollers worn. Replaced seat rollers.
19. Swap #1 & #2 com plugs above glovebox. Swapped plugs.
20. Replace nose tire due to wear. Removed nose tire, replaced with new tire using existing tube and checked balance.
21. The right flap actuator bulkhead is cracked approximately 3/16 to 1/4 of an inch and there is a crack from the edge of the actuator bulkhead to the forward actuator bracket nut plate. Deferred
22. Steering bolt above and in front of nose gear is one castleation loose. Tightened and safetied bolt.
23. Washed aircraft.
24. Ran up and checked all systems operated normal.
25. Lubed controls.

Services Performed: **A.D.'s**

1. C/W AD 76-07-12 Bendix switch by inspection. Due again in 100 hrs.
2. C/W AD 94-20-04 R2 Beech fuselage inspection of rear bulkheads at F.S. 256.9 and F.S. 272 and found no faults. Due again in 100 hrs.
3. C/W AD 97-14-15 Hawker cabin door handle inspection by operation. Due again at next handle removal.
4. C/W AD 2007-08-04 McCauley prop inspection I.A.W. McCauley ASB248 paragraphs 2b-2f. Due again in 100 hrs.
5. C/W AD 2007-08-08 Beech uplock roller and bolt inspection and lubrication. Due again in 100 hrs.
6. AD 95-04-03 Beech forward carry thru inspection is due in 340.2 hrs.
7. AD 2017-04-06 United Instruments altimeter D.N.A. due to altimeter s/n: 8K333 not included in S/B. AD is now satisfied.