

2

Aircraft Record General Information

Manufacturer Beech Model D 95 A
Serial TD 574 Registration Number 8831M

Date of Manufacture _____

Engine(s) currently installed:

Manufacturer Lycoming Model IO 360-B1B Serial L-560-51 (left)
Manufacturer " Model " Serial L-8453-51 (right)

Propeller(s) currently installed:

Manufacturer Hartzell

HUB Model _____ Serial AU12116B Model HC-CZYK-2 Serial AU12117B

Blade Model _____ Serial _____ Serial _____

Blade Model _____ Serial _____ Serial _____

YEAR: 2007

RECORDING TACH TIME

TODAY'S FLIGHT

TOTAL TIME IN SERVICE

Description of Inspections, Tests, Repairs and Alterations

Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

DATE

4067.2	4067.2	Serviced tires, brakes + batteries.
Cleaned fuel screens. Lubed landing gear + flight controls.		
Installed new left main gear up-lock cable PN 35-815109 and rigged up-lock roller clearance I/A/W Model 95 Shop Manual. Retraction check OK.		
Installed new seal in right main strut + serviced to proper level with fluid + nitrogen.		
Installed new seals in shimmy dampener. Cleaned rest of fittings in prop anti-ice lines.		
Replaced bushing in right cowl flap hinge.		
Replaced loose rivets in top right cowl.		
AD 87-05-02	Elevator Control Fitting Inspection CW	

YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				no cracks found, next dne at 4167, 2 hrs.
			AD 2007-08-08	Up- Lock Roller Lubrication C/W, next
			dne at 4167	2. ELT tested as per FAR 91.207(d).
				I certify that this aircraft has been
				inspected in accordance with an Annual
				inspection and was found to be in an
				Airworthy condition. John M. Retun
			May 26, 2007	AIP 1546978 IA
	11/15/07	Hr Mtr. 4110.0		Installed Horizon Gyro RCA22-11FS
		SN 27H0504C.		Installed new vacuum filter.
				John M. Retun AIP 1546718

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YEAR:
2008

RECORDING
TACH
TIME

TODAY'S
FLIGHT

TOTAL
TIME IN
SERVICE

Description of Inspections, Tests, Repairs and Alterations

Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

DATE

4/4	4/29,8		4/29,8	Serviced tires, brakes + batteries.
	Installed		new	O-ring seals in left brake.
	Checked		fuel screens,	Installed new nose gear
	retract		rod boot,	Lubed landing gear, AD 2007-8-8
	Up-Lock		Roller	Lubrication C/W, next due 4229,8 hrs.
	Retraction		check	OK. Installed new 4596 right
	landing		light.	AD 89-05-02 Elev. Control Fitting C/W
	no		cracks	found, next due 4229,8 hrs. AD 90-08-14
	Spar Insp		C/W	No cracks found, Next Due 4629,8 hrs.
	Installed		new	ELT battery dated July 10 + checked
	as per		FAR 91.207(d).	

OVER

Inspections, Tests, Repairs and Alterations

Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

checked tires, brakes + batteries.
 seals in left brake.
 Installed new nose gear
 landing gear. AD 2007-8-8
 CPW, next due 4229.8 hrs.
 Installed new 4596 right
 02 Elev. Control Fitting CPW
 due 4229.8 hrs. AD 90-08-14
 found, Next Due 4629.8 hrs.
 entry dated July 10 + checked

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Description of Inspections, Tests, Repairs and Alterations

Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
2008 4/4	4129.8		4129.8	I certify that this aircraft has
	been inspected	been inspected		in accordance with an Annual inspection
	and was found	and was found		to be in an Airworthy condition.
	April 4, 2008	April 4,	2008	John M. Petre A&P 1546718 IA
	4170.1		4170.1	Installed Shadin Digiflo-L Fuel
	Flow	Flow		Indicating System. Flight Manual
	Supplement	Supplement		+ installed. Refer to Form 337 this
	date.	date.		John M. Petre
				A&P 1546718

YEAR:	RECORDING TACH TIME
DATE	
7/1/09	new
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YEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				
6/30/09	4170.1		4170.1	Installed Plane Power, LTD
	STC	SA	1068	5C Alternator Conversion kit PN
	TAL	24	70	Installed Electronics International
	STC	SA	2693	NM Volt/Amp Gages PN VA-1A-50,
	Refer			to Form 337 this date.
				John M. Petrus AvP 1546718
7/1/09	4170.1		4170.1	Serviced tires + brakes. Installed
	all new			linings. Installed new Gill R-25
	batteries.			Checked fuel screens. Lubed landing
	gear,			retraction check OK. Lubed controls.
	Cleaned			& treated battery box corrosion. Installed

(OVER)

Inspections, Tests, Repairs and Alterations
 Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

led Plane Power, LTD
 Generator Conversion kit PN
 led Electronics International
 Volt/Amp Gages PN VA-1A-50.
 this date.
 John M. Petter AvP 1546718
 d tires + brakes. Installed
 Installed new Gill Q-25
 l screens Lubed landing
 L OK. Lubed controls.
 y box corrosion. Installed
 (e)

Description of Inspections, Tests, Repairs and Alterations
 Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
7/1/09	new	right		main fuel cell PN 2F1-6-37742-14, SN 08-67449 from Eagle Fuel Cells. Installed Tachometer SN 1050 after overhaul by Capital Aviation Inst. on W/C # 33470. Installed cabin heater, blower + ignition assy. overhauled by Harold Haskins, Inc. on W/C # 34732. Functional Test OK. EBT tested as per FAR 91.207 (d) I certify that this aircraft has been inspected in accordance with an Annual inspection and was found to be in an Airworthy condition. John M. Petter July 1, 2009 AvP 1546718 IA

YEAR DATE

Technician or Repair

Facility: (see back pages for other specific entries.)

7/27/09
 Removed Fifth & Sixth Seat
 per MCD B08772. Weight & Balance revised.
 Refer to Weight & Balance Data sheet this date.
 John M. Pitman AWP 1546718

Hagerstown Aviation Services, Inc.
 18627 Jarkey Dr. Hagerstown, MD 21742
 301-733-5200 / 301-733-6981 Fax
 CRS# XHGR343L



DATE: 7/27/09 MAKE/MODEL: Beech B55A LOG Book Entry # N8821M TACH/HOBBS: 493.2

I certify that the transponder test and inspection required by FAR 91.413 IAW Part 43, Appendix F and the altimeter and static system test required by FAR 91.411 IAW Part 43, Appendix E have been performed. The altimeter has been tested to: 29,000 feet and test results are on file under shop order number: 90966
 Authorized Signature: [Signature]

For Hagerstown Aviation Services, Inc. Repair Station # XHGR343L

YEAR: _____
DATE: _____

ns of Technician or Repair

Sent
vised.
this date.
546718

HAGERSTOWN AVIATION SERVICES, INC.

ALTIMETER, PITOT-STATIC SYSTEM CHECK LIST (FAR 91.411)
 AIRCRAFT MAKE AND MODEL: Boeing B737 N-NUMBER: N8821A W.O.#: 20466
 OWNER: Bob McMech TAG-# (CBB) TIME: 91932 DATE: 10/14/97

CASE LEAK TEST @18,000 (TOL. 100 PER MINUTE) 0

ALTIMETER SETTING	STAN. ALT.	REF. ALT.	PILOTS ALT.	C/PILOTS ALT.	ERROR	ALTIMETER SETTING	STAN. ALT.	REF. ALT.	PILOTS ALT.	C/PILOTS ALT.	ERROR
28.10	-1.727		-1740			29.92	0		-20		
28.50	-1.340		-1350			30.50	531		530		
29.00	-863		-880			30.90	893		890		
29.50	-392		-400			30.99	974		960		

FEET	SCALE - ERROR PERMITTED		ACTUAL ERROR FOUND IN A/C		ACTUAL FRICTION ERROR FOUND IN A/C	
	PILOTS ALT.	C/PILOTS ALT.	PILOTS ALT.	C/PILOTS ALT.	PILOTS ALT.	C/PILOTS ALT.
-1,000	20	-20				
0	20	-20				
500	20	-10				
1,000	20	-10			70	70
1,500	25	0				
2,000	30	0			70	30
3,000	30	-20			70	20
4,000	35	-20			70	10
5,000	40	-40				
6,000	60	-60				
10,000	80	-80			80	30
12,000	90	-90				
14,000	100	-100				
15,000						
16,000	110	-100			90	40
18,000	120	-110				
20,000	130	-120			100	30
22,000	140					
25,000	155				120	
30,000	180				140	
35,000	205				160	
40,000	230				180	
45,000	255					
50,000	280				250	

PITOT SYSTEM LEAK RATE: 0 (TOLERANCE 5 KTS PER MINUTE)
 HYSTERESIS - (DOWN READINGS) - 50% OF MAX HEIGHT TESTED 20 // 40% OF MAX HEIGHT TESTED 10 (TOL 75)
 AFTER EFFECTS ERROR: 20 (TOLERANCE 30)
 ENCODER MODEL: 6114 TRANSPONDER MODEL: AT54

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.
- 11.
- 12.
- 13.
- 14.

YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
2010 10/12	4287.2		4287.2	Serviced tires, brakes & battery.
		Installed new screens, Installed new vertical card compass and swing compass. Installed new right main fuel gun. sender. Painted new 200 flap indicator line.		brake discs & linings. Checked fuel
		Installed new Jan. 2013 ELT battery and tested as per FAR 91.207(d).		
		I certify that this aircraft has been inspected in accordance with an Annual inspection and was found to be in an airworthy condition.		
		Oct. 12, 2010		
				John M. Peters AIP 1546718 IA

Inspections, Tests, Repairs and Alterations

Recorded with Name, Rating and Certificate Number of Technician or Repairman (Use separate pages for other specific entries.)

1 tires brakes & battery.
brakes & linings. Checked fuel
vertical card compass and
checked new right main fuel pump.
200 flap indicator line.
113 ELT battery and tested
his aircraft has been
found to be in an Annual
Inspection M. Peters
P/NP 1546718 IA

Laytonsville Aircraft Services, LLC
7200 Hawkins Creamery Road
Laytonsville, MD 20872
301-253-2897

AIRCRAFT NUMBER: N8831M SERIAL NUMBER: TD574 DATE: 11/11/11 HOBBS: 4361.0 TOTAL TIME: 4361.0

1. Panels opened, aircraft serviced and inspected IAW a compliant checklist.
2. AD listing using current Triton Aviation Data software.
3. AD 89-05-02 CW by inspection IAW Para (a), (b) and found to be acceptable. **NEXT DUE @ 4461.0 TACH & TTAF.**
4. AD 2007-08-08 CW by lubrication of landing gear uplock rollers IAW Para (e) (4), **NEXT DUE @ 4461.0 TACH & TTAF.**
5. AD 2008-14-07 CW both engines by reinspection IAW Para (h), (i) and (k) and found to be acceptable. **NEXT DUE @ 4461.0 TACH & TTAF.**
6. AD 2011-15-10 PCW by no affected AVSTAR fuel injection system parts installed. **NO FURTHER ACTION REQUIRED.**
7. Noted continued CW AD 2004-10-14 by no known strike as defined in Para (i), (j) since last overhaul. **ACTION DUE ONLY IN EVENT OF DEFINED STRIKE OR @ OTHER ENGINE TEARDOWN.**
8. AD Compliance Record updated.
9. New induction air filter elements, P/N BA 7805, installed for both engines.
10. New induction air duct, P/N AD 475 (42020) installed for right engine.
11. Chaffed wires in bundle in right engine compartment resheathed and resecured existing Adel clamps.
12. New 6.50-8/8/120, Condor tire and Airstop Michelin 8H15 inner tube installed on and wheel bearings removed, cleaned, inspected, repacked and reinstalled on left main landing gear.
13. New Whelen LED beacon lights installed top, P/N 01-0790520-05, and bottom, P/N 01-0790520-15 iaw Whelen Installation Guide, Form No. 14292A (121509) © 2009.
14. New lamp, P/N GE4596, installed in left landing light.

(Continued on next page.)



YEAR:	RECORDING TACH TIME	TOTAL TIME IN SERVICE	TODAY'S FLIGHT	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS
DATE				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

(Continued from previous page.)

15. Inop. Stall warning switch cleaned, serviced, ops. Checked and found to be normal.
16. Shock struts for main landing gear serviced with nitrogen.
17. No additional disclosed AD's are due at this time.
18. It is noted that AD 90-08-14 due @ 500 hr. intervals TIS is **NEXT DUE @ 4670.1 TACH & TTAF.**
19. AD Compliance Record updated.
20. FAR 91.207 (d) CW by condition inspection and operational check of ELT and battery IAW Para. (1-4). **NEXT DUE NOV 12.**
ELT battery Expiration Date is JAN 13.
21. New lamp P/N GE387, installed in gear-up indicator.
22. Lead for EGT indicator of #1 cylinder on right engine repositioned, chaffed insulation sheathed, connections cleaned, operational check performed and found to be normal.
23. Ground run-up and taxi check performed and found to be satisfactory.

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

John M. Peters
John M. Peters, 1546718 A&P, IA

YEAR: _____
DATE: _____

RECORDING TACH TIME
TODAY'S FLIGHT
TOTAL TIME IN SERVICE

DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS
Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

Shenandoah Avionics, LLC
63 Aviation Circle Weyers Cave, Va. 24486
540-908-6358

N# 8831M
Date January 25, 2012

W/O # 12012501
Tach 4377.3 A/CTT N/A

Removed in-op Aspen EWR50 weather system and installed new EWR50 weather system, S/N 1268, LAW Aspen installation manual. Operational checks normal
This aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current regulation of the Federal Aviation Agency and is approved for return to service.

-----END-----

Signed 

Todd Ott
AP230046907

Date 12/6/20
Model AT-106
I certify that the
CFR 91.413 in a
Federal Aviation
Pertinent details
W/O# 11104
Signed
Shenandoah Avionics
63 Aviation Circle

Date 12/6/2011
 Customer 508

Aircraft N# N8831M
 Work Order # 1110402

Inspector's Signature [Signature]

Pre-test +700
 Post-test +720
 After effect +20

(within 5 min. of hysteresis test)

Static Sys Leak Rate 0
 (Max permitted 100 ft)

Altimeter Make Garmin
 Model 5934
 S/N# 6114
 Position 1

Encoder Make TTC
 Model 550
 S/N# 352
 Position 1

Encoder Make TTC
 Model 550
 S/N# 352
 Position 1

Case Leak 0
 Tolerance 100 ft. p

Hysteresis Tolerance

50% Alt UP10K
 40% Alt UP8K
 50% 5-15 Minutes

TABLE IV
 Barometer

Scale Error

In Hg Level

Diff. From

29.92

Altitude Error +/- Ft.

Tolerance

Scale Error

Error

Friction

Tolerance

Error

Case Leak

Tolerance

ATC Transponder System
 Integration Test
 CFR 43, Appendix E, Para. C and 91.411

2 Encoder

Actual ERROR

Transition OFF

Test Points Feet

Tested for compliance with Part 43, Appendix E.
 Shenandoah Avionics, LLC.
 Shenandoah Valley Regional Airport
 63 Aviation Circle Weyers Cave, Va. 24486
 Repair Station # 2SAR659Y