

N18MD

ACR ELECTRONICS, Inc.
Artex Products - CAGE Code 18560
Fort Lauderdale, FL 33312

LOG BOOK ENTRY 12/2/16
E.L.T. BATTERY
REPLACEMENT DATE 10/2023

AIRCRAFT LOG
AL-12P

#2

Alc Paint Colors 7-2-96

AlumaGrip

Blue - G5041

Gray - G1009

White - G8003

Burgundy - G7305

Aircraft Log TABLE OF CONTENTS

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Aero Products Corporation

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AIRCRAFT DESCRIPTION

MANUFACTURER

Beech

MODEL

D55

DATE OF MFG.

1968

SERIAL NUMBER

TE-455

REGISTRATION NUMBER

N18MD

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. 91.409 ANNUAL/100 HOUR



F.A.R. 91.409 PROGRESSIVE



F.A.R. 135.419 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
11-1-94	Hobbs -	2368 All controls checked and lubed;	
	Total -	2924 wheels + brakes checked; replaced both brake discs and linings; replaced both lower brake hoses; resealed both master cylinders; brakes bled; replaced left main tire with new AC II; replaced all four engine cowl door hinges; replaced right up lock cables system rigged; lights checked + repaired as needed; Batteries serviced; replaced gear door rods at transmission; repaired shorted wire on right throttle switch; Replaced right alternator + drive Assy with overhauled units; see yellow tag;	
		C/W A.D. 72-22-01 By greasing up lock roller; C/W A.D. 90-08-14 By inspection of wing spar; C/W A.D. 91-15-20 By inspection of Both engine mounts; C/W A.D. 76-07-12 by inspection of Both mag switches.	
		For A.D. Status, see separate listing. Upper bottle hydrostatic tested - see yellow tag	

I CERTIFY THAT THIS Aircraft HAS BEEN INSPECTED IN ACCORDANCE WITH A Annual INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION

Steve A. Hall
AP58778674 3 IA

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
12-5-95	Hobbs 2398.7	Annual inspection completed; all controls checked + lubed; wheels + brakes checked;	
	Total 2954.7	Replaced Hobbs meter with new; Replaced right vacuum regulator + adjusted; wheels + brakes checked; replaced right tire tube with Goodyear FLEET; ELT removed for repair - Replaced installed on panel; Gear retraction checked ok; emergency extension checked; Landing gear greased - Che AD 72-201	
	new Time 00:00	By lubing up locks; Che AD 91-15-20 By inspection of engine mounts; Che AD 76-07-12 By inspection of mag switches; For AD status, see separate listing.	

I CERTIFY THAT THIS Aircraft HAS BEEN INSPECTED IN ACCORDANCE WITH A Annual INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION

Steve A. Hall
AP 587786743IA

MAINTENANCE RECORD
F.A.R. 43.9
I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A MAINTENANCE INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION

AGENCY & CERTIFICATE NO.
WORK PERFORMED/RETURNED TO SERVICE

ated; all controls
brakes checked;
th new; Replaced
dynted; wheels &
ht tire tube with
for repair - Road
in checked ok; omagging
eared - the A.D. 72-22-01
y inspection of engine
in of mag switch;

THIS Aircraft HAS BEEN
CCORDANCE WITH A Annual
D WAS DETERMINED TO BE IN
ORTHY CONDITION.

Steve A. Hall
AP 587786743 IA

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

ATC TRANSPONDER TEST

I CERTIFY THE ATC TRANSPONDER(S)
TEST AND INSPECTIONS REQUIRED
UNDER FAR 91.413 HAVE BEEN TESTED
AND INSPECTED AND FOUND TO
COMPLY WITH APPENDIX F OF PART 43.
SIGNATURE *Stephen W Taylor*

#1. MAKE KING
MODEL KT-76
SN 37134
#2. MAKE NA
MODEL NA
SN NA
WO# 17800 DATE 5-8-96
RECERTIFY 24 MOS. FROM ABOVE DATE
RAYTHEON AIRCRAFT SERVICES
2450 N. WESTSHORE BLVD.
TAMPA, FL. 33607 CRS VG4R595M

ALTIMETER TESTS

I CERTIFY THAT EACH STATIC PRESSURE SYSTEM,
EACH ALTIMETER INSTRUMENT, AND EACH
AUTOMATIC ALTITUDE REPORTING SYSTEM HAS
BEEN TESTED AND INSPECTED, AND FOUND TO
COMPLY WITH FAR 43 APPENDIX E.
SIGNATURE *Stephen W Taylor*

ALTIMETERS TESTED
TO 20000

MFG WESTON RH NA
PN 22-374-B01 RH NA
SN 67H 4046 RH NA
DATE 5-8-96 RH NA
LH 5-8-96 RH NA
ALTITUDE REPORTING TESTED TO
20000
WO# 17800 RECERTIFY 24 MO. FROM ABOVE
DATE
RAYTHEON AIRCRAFT SERVICES CRS VG4R595M
2450 N. WESTSHORE BLVD.
TAMPA, FL. 33607

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
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ATC TRANSPONDER TEST

I CERTIFY THE ATC TRANSPONDER(S) TEST AND INSPECTIONS REQUIRED UNDER FAR91.413 HAVE BEEN TESTED AND INSPECTED AND FOUND TO COMPLY WITH APPENDIX F OF PART 43

SIGNATURE Stephen W Taylor

#1. MAKE KING

MODEL KT-76

SN 37134

#2. MAKE NA

MODEL NA

SN NA

WO# 17800 DATE 5-8-96

RECERTIFY 24 MOS. FROM ABOVE DATE

RAYTHEON AIRCRAFT SERVICES

2450 N. WESTSHORE BLVD.

TAMPA, FL. 33607 CRS VG4R595M

ALTIMETER TESTS

I CERTIFY THAT EACH STATIC PRESSURE SYSTEM, EACH ALTIMETER INSTRUMENT, AND EACH AUTOMATIC ALTITUDE REPORTING SYSTEM HAS BEEN TESTED AND INSPECTED, AND FOUND TO COMPLY WITH FAR 43 APPENDIX E.

SIGNATURE Stephen W Taylor

ALTIMETERS TESTED

TO 20000

MFG

LH WESTON RH NA

PN

LH 22-374-B01 RH NA

SN

LH 67H 4046 RH NA

DATE

LH 5-8-96 RH NA

ALTITUDE REPORTING TESTED TO

20000

WO# 17800 RECERTIFY 24 MO. FROM ABOVE DATE.

RAYTHEON AIRCRAFT SERVICES CRS VG4R595M

2450 N. WESTSHORE BLVD.

TAMPA, FL. 33607

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
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WEST FLORIDA HELICOPTERS, Inc. ST. PETERSBURG, FLORIDA

05/23/96

N-18MD

WFH S/O # 1017

Hobbs: 24.7

AFTT: 2979.4

ENG # 1 TSMOH: 241.0

ENG # 2 TSMOH: 241.0

C/W 100 hour inspection requirements iaw Beechcraft and Continental maintenance manuals and inspection checklists. Removed all cowlings, interior and all access panels. C/W AD 72-22-01 lubrication of uplock mechanism iaw SI 0448-211, next due at AFTT 3079.4. C/W AD 91-15-20 engine mount inspection iaw SB2362, found okay, next due at AFTT 3079.4. C/W AD 76-07-12 Bendix ignition switch inspection, found okay, next due at AFTT 3079.4. Check applicability of AD 95-03-14 dye check of engine mount fitting iaw MSB 94-9 and found N/A, subject engine mount fittings previously replaced. Greased all wheel bearings. C/W lubrication requirements. Repaired taxi light wiring. Replaced L/H engine lower L/H engine mount with a new mount, p/n 5-10778-16. Repaired wiring on R/H alternator. Removed surface corrosion at several areas on fuselage. Etched and alodined all bare aluminum surfaces. Primed all areas with polyimide epoxy primer. Removed right main landing gear shockstrut from aircraft. Disassembled and installed new seals. Reassembled shockstrut, serviced, leak tested and reinstalled. Replaced several corroded rivets outboard of both engine nacelles on lower surfaces of wings. Removed landing gear actuator. Installed, customer supplied, actuator gearbox with new seals and serviced. Performed a gear retraction test and several emergency extensions. Adjusted and rigged landing gear system iaw Beechcraft rigging procedures. Installed a new engine nacelle fillet fairing on L/H outboard position. Fabricated and installed several sheet metal repairs to engine cowlings. Installed a new ELT battery, operationally checked okay, next battery change due at June 1998. Installed two new b3-5-1 and two new IJ4-7 instrument filter. Removed L/H elevator, removed paint, removed corrosion, treated and primed using polyimide epoxy primer.

Continued on following page

MAINTENANCE RECORD

F.A.R. 43.9

DATE OF
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AIRCRAFT TIME
IN SERVICE

DESCRIPTION OF WORK PERFORMED
OR APPROVED DATA USED

AGENCY & CERTIFICATE NO.
WORK PERFORMED/RETURNED TO SERVICE

Continued from previous page

Installed a new bearing and bushing, p/n B-55 and 35-600003 in outboard position of L/H elevator. Reinstalled elevator. Installed, customer supplied, reskinned elevator in the R/H position. Installed a new CI-122 antenna. Replaced baffling in both engines. Repaired several instrument post lights. Lubricated heater iris valve. Reinstalled interior, cowlings and all inspection panels. Ground ran aircraft, leak checked, test flew and approved for return to service.

Tim Goddard

Tim Goddard

A & P 257198580

DATE 6-1-96 TIME 24.7 TOTAL TIME 2979.4

I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS FOUND TO BE IN AN AIRWORTHY CONDITION.

Donald H. Severs

DONALD H. SEVERS

A&P IA 269440044

F.A.R. 43.9

[illegible]

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
8-16-96		① REMOVED NORTHSTAR LORAN, ANTENNA and ANTENNA COUPLING UNIT. ② INSTALLED GPS RECEIVER AND GPS ANTENNA. ALSO 3 Amp c/b FOR GPS, ALSO COUPLED TO HST. ③ INSTALLED Argus 5000 - 2 Amp c/b, REMOTE INFO + SELECT SWITCHES. ④ HARD WIRED INTERCOM INTO AIRCRAFT. ALL SYSTEMS, ground checked good. <i>Nickel & Nickel</i>	Florida Aircraft Instruments, Inc. 8806 Airport Boulevard Leesburg, FL 34788 FAA Approved Repair STATION OY4R431M
9-13-96		REMOVED L/H ENGINE TRI-GUAGE AND installed P/N 22804-08-1 S/N 39513P OVERHAULED GAUGE OVERHAULED by J.D. Chapdelaine under their WO# 55745. OPERATIONALLY checked - leak tested + found OK. Randy H. York RAP 255762431	

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
5/11/97	3108.9	Performed an Annual inspection/service This date	
Hobbs	154.2	Per FAR 43 Appendix D And Beech maint manual. Engs	
Heater Hobbs	518.4	Run-up, oil drained insp panels removed. Acft serviced	
S Eng conv.	970.2 ^{AC}	Per Beech manual. Retract Test Performed Per Beech	
Facet. Reman		MANUAL uplock roller clearance checked & Adjusted per	
		MANUAL. Acft Lubed Per Lube chart. AD's checked &	
		c/w To This date. see AD compliance manual dated	
		5/11/97 for details. See individual engine logs for details	
		of engine insp/service. engines Run + Flight Test Performed	
		All pressures & indications good. I certify That This	
		AIRCRAFT WAS INSPECTED I.A.W AN ANNUAL INSPECTION AND	
		WAS FOUND TO be in Airworthy condition. Clean & Eache	
		219847112 I.A.	

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
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6-25-97 18MD D-55 TE 455
Date N# Make Serial #

311.6 50
Tachometer
168.8

"SUPPLEMENTAL LOG ENTRY"

REPLACED MAIN 1/2 TIRE W NEW AIRHAWK 6.50/8
(OWNER SUPPLIED) REPLACED TUBE, REPAIRED THREADS ON BOLT
INSP + GREASED BEARINGS GREASED NOSE GEAR.

[Signature]
AIP 263291981

I certify that each automatic pressure altitude reporting system tests and inspections required by FAR 91.411 have been performed.

LH Altimeter S/N 6744046 Tested To 20000 ft.

ENCODER
RH Altimeter S/N 24566 Tested To 20000 ft.

Details of this test and inspection are on file at this repair station under

WO# 7134-1 Date 5-14-97

Signature *[Signature]*

FAA Repair Sta. OY4R431M

Florida Aircraft Instruments
Leesburg, Florida 34788

N18MD

The ATC transponder tests and inspections required by FAR 91.413 were performed this date and found to comply with FAR 43, Appendix F.

Transponder #1 K776 SN 37134

Transponder #2 S/N

Details of this inspection are on file at this repair station under WO # 7134-1 Date 5-14-97

Signature *[Signature]*

FAA Repair Sta. OY4R431M

Florida Aircraft Instruments
Leesburg, Florida 34788

N18MD

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
10/8/97	HOBBS 208.7	INSTALLED INFLATABLE DOOR SEAL KIT BY AEROCESSORIES STC# 4184WR, COMPLIED WITH AD 97-14-15 CABIN DOOR LATCH OPS CK GOOD.	
		HF. Refs AIP 266763280 FA	
11/18/97	HOBBS 229.8	INSTALLED OVERHAULD BOOST PUMP R/H SIDE.	DUKES FURL
		HF. Refs AIP 266763280	
6/1/98	HOBBS 282.0	C/W BEECHCRAFT BARON 55 100 HR INSPECTION	
TTAF 3236.7		C/W AD 72-2201 INSP: LUBE UNLOCK ROLLERS	
HEATER HOBBS 527.2		NEXT DUE 382.0, C/W AD 76-07-12 ENG MOUNT	
		INSP NEXT DUE 382.0, C/W AD 91-15-20 FUNC.	
		CK BENDIX IGN SWITCH NEXT DUE 382.0. REPLACE	
		R/H ELEVATOR OUTBOARD BEARING P/N# ³⁵⁶⁰⁰⁰⁰³ MS28725	
		AND CENTRAL BEARING K3LFS160, INSTALLED	
		NEW ELT BATT PACK P/N# 00-10-009 NEXT	
		DUE JUNE 2000, INSTALLED NEW O RINGS	
		P/N# MS28725-222 R/H BRAKE CALIPER.	
		SEE NEXT PAGE →	

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
6/1/98	HODBS 282.0	I CERTIFY THIS AIRCRAFT HAS BEEN	
		INSPECTED IN ACCORDANCE WITH AN ANNUAL	
		INSPECTION AND WAS DETERMINED TO BE IN	
		AIRWORTHY CONDITION. H.F. Rolfe AIP 266763280 IA.	
6/16/99	HODBS ^{904.6} ~~529.6~~	TTAF 3359.3 C/W ANNUAL INSPECTION	
		REPLACE BOTH MAIN BRAKE LININGS, INSTALLED	
		NEW SEALS W/ BRAKE CALIPER, SERVICED ALL	
		SYSTEMS, C/W AD 72-22-01 UP LOCK ROLLERS,	
		AD 91-15-20 ENG MOUNT, 76-07-12 FGN SWITCH,	
		AD 99-05-13 PLACARD FUEL SELECTOR. I CERTIFY	
		THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE	
		WITH AN ANNUAL INSPECTION AND WAS DETERMINED	
		TO BE IN AIRWORTHY CONDITION. H.F. Rolfe AIP	266763280 IA

MAINTENANCE RECORD

F.A.R. 43.9

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S E
Fre

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
		The ATC transponder tests and inspections required by FAR 91.413 were performed this date and found to comply with FAR 43, Appendix F.	
		Transponder #1 <u>KT 76</u> SN <u>32134</u>	
		Transponder #2 <u>None</u> S/N <u>None</u>	
		Details of this inspection are on file at this repair station under WO # <u>9194-1</u> Date <u>7-13-99</u>	
		Signature <u>Michael P. Thayer</u> FAA Repair Sta. OY4R431M	
		Florida Aircraft Instruments Leesburg, Florida 34788	
		Verify that each automatic pressure altitude reporting system tests and inspections required by FAR 91.411 have been performed.	
		LH Altimeter S/N <u>67H9076</u> Tested To <u>20000</u> ft.	
		RH Altimeter S/N <u>24566</u> Tested To <u>20000</u> ft.	
		Details of this test and inspection are on file at this repair station under	
		WO# <u>9194-1</u> Date <u>7-13-99</u>	
		Signature <u>Michael P. Thayer</u> FAA Repair Sta. OY4R431M	
		Florida Aircraft Instruments Leesburg, Florida 34788	

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
7/6/00	NOBBS 498.6	TTAF 3453.3 C/W 100 HA/ANNUAL INSP.	
REPLACE ELT BATTERY BY: NOBBS 7/6/00 498.6 JUN '02		REPLACED ELT BATT PACK NEXT DUE → JUN 02. ADJUSTED R/H INBD GARAGE DOOR	
		INSTALLED NEW ELT ANTENNA P/N# 110-324. INSTALLED NEW TAXI LAMP.	
		REPLACED R/H FWD FUSelage QUICK FUEL DRAIN. REMOVED R/H ENG COOL FLAP MOTOR AND INSTALLED NEW POWER WIRING. C/W AD 72-22-01 UP LOCK ROLLER.	
		C/W AD 76-07-12 ENG MOUNT INSP. C/W AD 91-15-20 BINDEX IGN SWITCH, C/W AD 90-08-14 WING SPAR INSPECTION. C/W AD 95-03-14 ENG MOUNT INSPECTION. I	
		CERTIFY THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIR - WORTHY CONDITION. AF R/A: P 266263280-1A	

DA
COMP

ALTITUDE	SCALE ERROR	FRICTION ERROR
-1000	0	
0	0	
500	490	
1000	1000	20
1500	1520	
2000	2000	40
3000	3010	40
4000	3985	
6000	6000	
8000	8010	
10000	9960	60
12000	11980	
14000	14010	
16000	16100	80
18000	18060	
20000	20060	90
22000	↑	
25000		
30000		
35000		
40000		
45000		
50000		
51000	↓	

CASE LEAK 0

HYSTERESIS

ALTITUDE	UP READING	DOWN READING
8000	8010	8040
10000	9960	9985

AFTER EFFECT

BARA SCALE ERROR

28.10

28.50

29.00

29.50

29.92

30.50

30.90

30.99

ALTIMETER SERIAL NO.

67H4046

DATE TESTED:

8-28-01

TECHNICIAN:

Ch R Papp

CORD

AGENCY & CERTIFICATE NO.
WORK PERFORMED/RETURNED TO SERVICE

EL CELL LEAKING.
N INSTALLED NEW
-9009 -2S, SERIAL
SATISFACTORY

NO: N18MD

660.7

R INSTRUMENTS, AND
E BEEN TETED AND
E & F.

TO: 20000 FT.

67H4046

4566
D FOUND

7134

AGENCY UNDER

ROCK AR,
BKR587E.

CENTRAL
FLYING SERVICE

AVIONICS &
INSTRUMENTS

FAA REPAIR STATION HBKR587E

1501 BOND ST. LITTLE ROCK, AR. 72202 (501) 375-3245

1-800-888-5387

FAX (501) 375-7274

AGENCY & CERTIFICATE NO.
WORK PERFORMED/RETURNED TO SERVICE

1-18-2001

FOUND RIGHT MAIN FUEL CELL LEAKING.
REMOVED OLD FUEL CELL AND INSTALLED NEW
FUEL CELL PART NO 35-9009-25, SERIAL
NO 426. LEAK CHECKED SATISFACTORY
J. Harris 4/60054 A+P

MAKE: Beech MODEL: D55 REG NO: N18MD

AIRCRAFT S/N: TE-455. A/C HRS: 660.7

I CERTIFY THAT THE STATIC PRESSURE SYSTEM, ALTIMETER INSTRUMENTS, AND AUTOMATIC PRESSURE ALTITUDE REPORTING SYSTEM HAVE BEEN TESTED AND INSPECTED AS REQUIRED BY FAR 91.411, PART 43, APPENDIX E & F.

STATIC SYSTEM TEST DATE: 8/28/01 TO: 20000 FT.

#1 ALT MODEL: 22-374-B01 S/N: 67H4046

ALT ENC MODEL: _____ S/N: 24566

THIS TRANSPONDER HAS BEEN TESTED AND INSPECTED AND FOUND
TO COMPLY WITH FAR 91.413, PART 43, APPENDIX F.

#1 MODEL: KT-76 S/N: 37134

PERTINENT DETAILS ARE ON FILE AT THIS AGENCY UNDER
W/O: AG-01-02479 SIGNATURE: Kath Proffen

CENTRAL FLYING SERVICE INC. LITTLE ROCK AR,
REPAIR CERTIFICATION NO. HBKR587E.

INSPECTION RECORD

F.A.R. 43.11-91.409

MAINTENANCE RECORD ENTRY

Date: February 5, 2002	Page 1 of 2 Pages	Reg. No: N18MD
Aircraft S/N: TI 455	TTA / HM: 3628.3 / 660.6	Make: Beechcraft
Eng S/N:	TSN / CSN:	Model: D-55 Baron
Prop S/N:	TSN / CSN:	Work Orders: PG-01-02872

The below listed items were accomplished in accordance with approved or acceptable data as applicable. Details are on file under the above work order number(s). Work order discrepancy numbers are shown in brackets [], followed, in bold, directly by AD notes, SB's, and/or task codes as applicable.

- [001] Removed right engine S/N 271786-R and reinstalled after overhaul. See engine log book for details. Overhauled 24V 50A GD alternator P/N 1100723, S/N A108019 installed with serviceable alternator drive gear S/N 223097-72C supplied by customer.
- [050] Induction air filter replaced on left engine. New P/N BA6205 installed.
Induction air filter replaced on right engine. New P/N BA6205 installed.
- [051] Replaced left engine outboard exhaust stack assembly P/N 96-950002-9, stack P/N 96-950002-7 and exhaust system brace P/N 96-950002-85.
- [053] Replaced left alternate air duct, installed a new P/N 111716AX6XX30
- [054] Pressure pump intake filter P/N B-3-5-1 replaced.
- [055] Replaced left engine induction crossover drain line, installed a new P/N 96-910001-98.
- [060] Removed cowl, cleaned, and inspected. Removed broken components. Installed the following new components. Cowl former P/N 58-910011-107, cowl former P/N 58-910011-3, cowl skin P/N 58-91011-122U, cowl reinforcement P/N 96-910011-205, cowl strips P/N 96-910011-193 and P/N 96-91001-194. Installed the following new exhaust items. Exhaust weld assembly P/N 96-950002-55 and exhaust stack P/N 96-950002-47,
- [100] Replaced right engine alternate air box door spring, installed a new P/N 35-910288.
- [200] Replaced o-rings in left and right brake master cylinders.
- [250] Replaced tail navigation light bulb, installed a new P/N 305.
- [251] Replaced 1 static wick on the rudder and 1 static wick on the left elevator, installed new P/N 35-5010-3.
- [275] Replaced bushing and bolt on aileron trim tab.
- [276] Replaced upper and lower bulbs in right navigation light, installed new P/N MS25309-7512.
- [278] Static wicks on left and right wings replaced, installed new P/N 35-5010-3.
- [352] Fabricated, primed, painted and installed nose door actuator bracket. Operationally checked good.
- [354] Nose gear torque link bushings, bolts and pins replaced.
- [500] **ANNUAL INSPECTION** - complied with in accordance with the Beech Baron 58 Shop Manual inspection guide.

-----Continued on next page-----

INSPECTION RECORD

F.A.R. 43.11-91.409

MAINTENANCE RECORD ENTRY

Date: February 5, 2002	Page 2 of 2 Pages	Reg. No: N18MD
Aircraft S/N: TI 455	TTA / HM: 3628.3 / 660.6	Make: Beechcraft

- [450] FAR 91.207(d) - annual ELT inspection c/w, no defects noted, operational check was good, battery replacement due June 2002.
- [452] AD 72-22-01 Landing Gear Uplock Rollers by lubrication per paragraph complied with, next due at 3728.3 hours total aircraft time.
- [453] AD 89-05-02 Elevator Control Fittings, fittings determined to be of aluminum composition, no further action required per para (a) (1).
- [454] AD 90-08-14 Wing Spar Structure inspection complied with per para (a), no cracks found, next due at 4128.3 hours total aircraft time.
- [455] AD 91-15-20 Cracked Engine Mounts inspection c/w per paragraph (a), no cracks found, next due at 3728.3 hours total aircraft time.
- [456] AD 2000-18-02 Elevator Skin Separation inspection complied with by checking aircraft records per paragraph (d) (1), none of the affected elevator skin assemblies have been installed since December 31, 1998, no further action required.
- [457] AD 96-20-07 Janitrol Heaters determined to be N/A by heater P/N.
- [458] AD 2001-17-13 Fuel Regulator Shutoff Valve determined to be N/A by heater P/N and model.
- [459] Cabin heater pressure test complied with.
- [461] Left and right fuel selector valve inspection complied with.
- [462] Landing gear selector switch replaced. New P/N MS25125E3 switch installed.
- [464] Wing attachment bolts replaced on left and right wings. New bolts, nuts and washers installed.

I certify that this aircraft has been inspected in accordance with an **ANNUAL** inspection and was determined to be in airworthy condition. Pertinent details are on file at this agency under work order PG-01-02872.

Signed

Kirk Proffer
Central Flying Service, Inc.
Phone: 800-888-5387

1501 Bond Street
Local (501) 375-3245

CRS HBKR587E
Little Rock, AR 72202
FAX (501) 374-2150

I certify that I have conducted a check flight in compliance with 14 CFR Part 91.407. The flight characteristics have not been appreciably changed and operation has not been substantially affected.

Signed

Pilot Certificate #

Date

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
7/15/02	3728 FH	Lube MLG uplock Rollers IAW AD 72-22-01 ok for service @ 100 FH <i>[Signature]</i> 137552
2/15/03	3817.7 FH	oil leak R/H engine oil pump cover is Resealed using silkthread
	8504 Hobbs	method Ref 10-550 O.M. Left oil temp plug resoldered. 4H RPM
		transmitter P&R with overhaul unit. Lubricate Gear Rollers IAW
		AD 72-22-01 Inspected engine mounts for cracking Ab 91-15-20
		no defect noted Left oil service door Repaired AD 76-07-12
		Bendix F/c good
		I certify this aircraft inspected IAW annual inspection
		and determined to be in an airworthy condition and ok
		for continued service <i>[Signature]</i> 137552
		P&R ELT Batt op ck 1/2 g switch good Batt due 9/05 <i>[Signature]</i> 137552
5/1/03	8204 Hobbs	Inspect starter vibrator and switching for intermittent
		kick back R/H engine - Adjust Retard breakers to
		open at proper crank shaft position - all switching
		verified - vibrator suspect if persists ok for service
		ops cked good <i>[Signature]</i> 137552
6-30-03	928.1	check R/H brake for leak, cleaned op ck good ok for service
		Investigate R/H prop Removs blade bend - Spec prop log ok for service <i>[Signature]</i> 137552

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
8-3-03	923.1	Relocate Data plate to RH wing Root position, Cockpit entrance stair cracked, verified 4130 steel with Rection welded per AC 4313-18. 4-74 d and (5) a through (5) ok for service <i>D. J. AD 415137552</i>

DALLAS AIR REPAIR-NW REGIONAL AIRPORT

DATE: 10/03/03

N# 18MD

MAKE/MODEL: BEECH D-55 BARON

S/N: TE-455

TTAF:3890.8 LT/SMOH:1139.1 RT/SMOH:923.1 LT/PROP O/H:1708.1

RT/PROP O/H:1708.1 HOBBS: 923.1

REPLACED NOSE TIRE (500X5) FLIGHT CUSTOM II AND TUBE. REPLACED RT. OTBD FUEL TRANSMITTER WITH O/H'D UNIT, P/N 95-380013-3. REPAIRED CEILING HANGER STRAP. RUN-UP BOTH ENGINES AND ADJUSTED HIGH/LOW FUEL FLOWS AND IDLE ADJUSTMENTS PER SID 97-3. REMOVED, WELDED, PAINTED AND REPLACED ENTRY STEP WHICH WAS CRACKED. REMOVED, RESEALED AND REINSTALLED BOTH MAIN GEAR BRAKE CALIPERS. TROUBLESHOOT VACUUM SYSTEM AND FOUND BOTH REGULATORS, P/N 2H30-6 BAD. FOUND REGULATORS FULL OF OIL AND SOOT. REPLACED BOTH REGULATORS, CLEANED OUT THE MANIFOLD, REMOVED LINES TO THE GYRO AND CLEANED OUT VACUUM SYSTEM. RUN-UP ENGINES AND OPS CHECKED VACUUM SYSTEM. RETURN TO SERVICE.

Jack Schedcik

JACK SCHEDCIK

3873472021A

INSPECTION RECORD

F.A.R. 43.11-91.409

KIND OF INSPECTION - STATUS & DISCREPANCY LIST

SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

DATE	AIRCRAFT TIME IN SERVICE
------	-----------------------------

Beech
8/25/2004

D55
ser# TE-455

N18MD
TT: 3890.8/Hobbs: 923.1

On this date performed an annual inspection using Beech check list. Inspected all controls, systems, attach points and structures. Lubricated in accordance with Beech manual. Ran gear retract test several times and checked gear warning horn per service manual.

Performed the following Maintenance:

1. Replaced Lower Skin of Left Horizontal Stabilizer, see 337 in records.
2. Replaced Left Main Wheel Bearings and Races.
3. Replaced Nose Wheel Bearings and Races.
4. Replaced Batteries.
5. Found Hobbs to have not changed since 6/30/03, inspected and repaired bad ground wire.

Complied the following AD's: 72-22-01 up lock rollers, 91-15-20 Engine Mount Inspection, 76-07-12R1 mag. switch check, for a complete listing of all AD's see compliance record attached to aircraft records in folder labeled AD compliance record. For other details of work see WO#8794. I certify that this aircraft has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

IA2013489
[Signature]

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE

AIRCRAFT TIME
IN SERVICEKIND OF INSPECTION - STATUS & DISCREPANCY LIST
SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

Beech

D55

N18MD

8/25/2004

ser# TE-455

TT: 3890.8/Hobbs: 923.1

On this date replaced Narco 10 ELT Battery and tested in accordance with FAR 91.207, next replacement due 9/2006. As per customers request, heater has been placarded inop.

AP 497026704

Digital & Linear Systems Research, Inc. FAA CRS- IV2R912K
6913 Sandlewood Drive Oklahoma City, OK 73132 ph. (405) 722-3506

Transponder #1 Mfg by KING Model No. KT-76

S/N 37134 has been tested, inspected, and found to comply with

FAR 91.413 Reference W.O. 87599 by Mike King

Date 3-16-05

Altimeter #1 Mfg by — Model No. —

S/N — has been certified by — on —

to an altitude of — thousand feet. Altimeter #2 Mfg by —

Model No. — S/N — has been certified

by — on — to an altitude of — feet.

Static/Encoding system has been inspected, tested, and found to comply with

FAR 91.411 Reference W.O. — by —

Date —

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
10-25-2005		Annual Insp. Completed this date. Jacked A/C, Performed Retractor Ext in Normal & Emergency All checks Normal. Replaced All tubes & Tires, Installed New Rotors & Brake Pads. Adjusted Nose Landing Gear doors. Lubed A/C IAW Beech service manual. Installed New $\frac{3}{8}$" Windshield. Installed New PS Engineering PMA6000 Audio Panel. All Functional checks good. Inspected ELT Battery due 7/2006. I certify that this A/C was Inspected IAW AN <u>ANNUAL</u> Insp. and was Determined to be in <u>Airworthy</u> condition. <i>Math</i> / <i>JA</i> APP2896106 IA
9/24/2006		REPLACED ELT BATTERY WITH NEW # BP1010 DUE AUG 2008 Day Dun owner

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
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N18MD

Hobbs 1066.8

11/01/06

Annual Inspection completed this date. Jacked aircraft, performed retraction and extension check in both normal and emergency, All checks and clearances normal. Checked ELT battery, next due 9/2008. Lubricated aircraft IAW Beech service manual. I certify that this aircraft was inspected IAW an ANNUAL inspection and was determined to be in airworthy condition. *[Signature]* A&P2896101IA

Digital & Linear Systems Research, Inc. FAA CRS- IV2R912K
6913 Sandlewood Drive Oklahoma City, OK 73132 ph. (405) 722-3506

Transponder #1 Mfg by KING Model No. KT-76

S/N 27134 has been tested, inspected, and found to comply with

FAR 91.413 Reference W.O. 87649 by Nick Wenzel

Date 3-8-07

Altimeter #1 Mfg by _____ Model No. _____

S/N _____ has been certified by _____ on _____

to an altitude of _____ thousand feet. Altimeter #2 Mfg by _____

Model No. _____ S/N _____

by _____ has been certified

on _____ to an altitude of _____ feet.

Static/Encoding system has been inspected, tested, and found to comply with

FAR 91.411 Reference W.O. _____ by _____

Date _____

INSPECTION RECORD

F.A.R. 43.11-91.409

KIND OF INSPECTION - STATUS & DISCREPANCY LIST

SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

DATE

AIRCRAFT TIME
IN SERVICE

11/2/2007 HOBBS: 1153.1 TTAF: 4120.8 Ser# TE-455 N18MD

Performed 100hr. Inspection this date IAW Aircraft Service Manual. Replaced right propeller accumulator with overhauled unit P/N #95-380026A. Replaced right alternate air duct with new. Replaced Tail Strobe Lens with new P/N A402R. Replaced pressure pump intake filters with new P/N B-3-5-1. Lubricated control surfaces and pulleys. Lubricated landing gear and performed a retract test. ELT Inspection C/W, Battery due 8/2008. C/W AD 72-22-01 MLG uplock rollers, next due at 4221 TTAF. C/W AD 91-15-20 Engine Mount Insp; No cracks found, next due at 4221 TTAF. C/W AD 76-07-12R1 Ignition Switches, next due at 4221 TTAF. C/W AD 90-08-14 Wing Spar Carry-Through, No cracks found, next due 4621 TTAF. I certify that this aircraft has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition.

Douglas Durning A&P116503811

Doug Durning

11/2/07

1153.1

*I certify this Aircraft was inspected IAW
an ANNUAL inspection and was determined
to be in Airworthy Condition.*

ART2846106IA

ALTIMETER SCALE CORRECTION CARD

ALTIMETER S/N

433119

STANDARD ALTITUDE IN FT.	ALTIMETER READING
-1000	-10
0	00
500	00
1000	00
1500	+100
2000	+100
3000	+100
4000	+100
6000	+100
8000	+200
10000	+200
12000	+300

STANDARD ALTITUDE IN FT.	ALTIMETER READING
14000	+50
16000	+60
18000	+100
20000	+100
22000	
25000	
30000	
35000	
40000	
45000	
50000	
51000	
53000	

Porter-Strait Instrument Co., Inc.

2708 N. Sheridan Rd • Tulsa, OK 74115

918-838-8711 FAA Repair Station #E12R795K

TESTED BY:

DATE:

Bush

01-09-08

J. Bush

01-09-2008

Responsibilities

Not automatically constitute authority to install the part/component/assembly. National regulations of an airworthiness authority different than the initial that the user/installer ensures that his/her airworthiness authority of the country specified in Block 1. Statements in Blocks 14 and 19 maintenance records must contain an installation certification issued in the aircraft may be flown.

ity with applicable technical data

NSN:0052-00-012-9005

RD
09

S & DISCREPANCY LIST
OR DISSAPPROVING AIRCRAFT FOR SERVICE

S TRANSPONDER SERIAL # 37134
S BEEN TESTED IN ACCORDANCE WITH
R. PART 43, APPENDIX F, AND MEETS THE
QUIREMENTS OF F.A.R. 91.413.

TE 11/28/08

SIG.

Philly Stuck

S AT2R702K

IONICS SERVICES, INC.

ORMAN, OKLAHOMA 73069

1. Approving National Aviation
Authority/Country:
FAA/UNITED STATES

2. **AUTHORIZED RELEASE**
FAA FORM 8130-3, AIRWORTHINESS

4. Organization Name and Address.

Porter-Strait Instrument Co., Inc.
2708 North Sheridan Road
Tulsa, Oklahoma 74115
FAA Repair Station No. EI2R795K

6. Item:	7. Description:	8. Part Number:	9. EIU
1	ALTIMETER	5934P-3	TBV E Install

13. REMARKS

Test & Certified VAWW F
43 APP E TO 20,000

14. Certifies the item identified above were manufactured in conformity to:

- ☐ Approved design data and are in a condition for safe operation.
☐ Non-approved design data specified in Block 13

15. Authorized Signature:	16. Approval Authorization No:	17. Name (Typed or Printed):	18. Date (m/d/y):

User/Installer

It is important to understand that the existence of this document alone does not
Where the user/installer performs works in accordance with the
airworthiness authority of the country specified in Block 1 it is essential
accepts parts/components/assemblies from the airworthiness authority
do not constitute installation certification. In all cases, aircraft maintenance
accordance with the national regulation by the user/installer before

16-1134 R.V.F.
PER NOICTEDSNI

15 - NON INSPECTION CERT - SIGNATURES

REMOVED FROM RECORDS
1# SOLUTIONA pavowmaR 5 00

1. Approving National Aviation Authority/Country: FAA/UNITED STATES	2. AUTHORIZE FAA FORM 8130
--	--------------------------------------

4. Organization Name and Address.
Porter-Strait Instrument C
2708 North Sheridan R
Tulsa, Oklahoma 741
FAA Repair Station No. E121

6. Item:	7. Description:	8. Part Number:
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2	DICTIZER	D120 Pa.1
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13. REMARKS

Test & Certified VAM
43 APP E TO 2000

14. Certifies the item identified above were manufactured in conformity to:
☐ Approved design data and are in a condition for safe operation.
☐ Non-approved design data specified in Block 13

15. Authorized Signature:	16. Approval Authorization No:
17. Name (Typed or Printed):	18. Date (m/d/y):

User/Installe

It is important to understand that the existence of this document alone does not constitute certification. Where the user/installer performs works in accordance with the airworthiness authority of the country specified in Block 1 it is essential that the user/installer accepts parts/components/assemblies from the airworthiness authority. In all cases, aircraft maintenance do not constitute installation certification. In all cases, aircraft maintenance must be in accordance with the national regulation by the user/installer before the aircraft is released for flight.

F.A.R. 43.11-91.409

DATE
AIRCRAFT TIME
IN SERVICEKIND OF INSPECTION - STATUS & DISCREPANCY LIST
SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

1/22/2008 Hobbs 1160.5 Removed Avionics #1 N/C ADF
R-Nav and Northstar GPS Installed New Garmin GNS-530
W with GA J5W Antenna and Mid-continent MD41 Annunciator
as per STC # SA01932LA
Installed DAC GDC 31 Roll Steering as per STC # SA10230SC see
FAA forms 337 this date for details
Equipment list and Weight and balance Data
revised Airplane Flight Manual Supplements for GNS-530W
and GDC 31. Must remain in Aircraft at all times

AVIONICS SERVICES INC

Norman, Oklahoma

CRSAT2R702K

Philip Steele

date 1/22/08

THIS TRANSPONDER SERIAL # 37134
HAS BEEN TESTED IN ACCORDANCE WITH
F.A.R. PART 43, APPENDIX F, AND MEETS THE
REQUIREMENTS OF F.A.R. 91.413.

DATE 1/28/08 SIG.

CRS AT2R702K

AVIONICS SERVICES, INC.

NORMAN, OKLAHOMA 73069

INSTALLED ALTIMETER, MOD. 5934P-3S/N 433119

CERTIFIED UNDER PART

43, APPENDIX AND TESTED AS PER 91.411

TO 20,000FEET ON 1/9/2008BY: E12R795KW.O. NO. 93564

I CERTIFY THE STATIC SYSTEM TESTS REQUIRED

BY F.A.R. PART 91.411 HAVE BEEN PERFORMED

THIS DATE 1/28/08

SIG.

CRSAT2R702K

INSPECTION RECORD

F.A.R. 43.11-91.409

KIND OF INSPECTION - STATUS & DISCREPANCY LIST
SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

DATE AIRCRAFT TIME
IN SERVICE

3/1/08 HOURS 1163 R & L LEFT AUX FUEL BLADDER, TESTED & CERTIFIED BY
AGRO-TECH SERVICES - 8130-3 ISSUED. NO LEAKS - OPS CHECK GOOD
Dory Dunning AEP 3275089

4/14/2008 HOURS 1192 REPLACED L/H & R/H PNEUMATIC FILTERS WITH NEW
P/N 254-7 Dory Dunning AEP 3275089
REPLACED R/H OUTBOARD ELEVATOR HINGE BUSHING WITH NEW

9/24/2008 REPLACED ELT BATTERY WITH NEW BP-1010. OPS CHECK GOOD
EXT DUE SEP 2010 Dory Dunning A/P 3275089

REPLACE ELT BATTERY BY:

SEP '10

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
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11/1/2008 HOBBS: 1208.0 TTAF: 4175.7 Ser# TE-455 N18MD
 Performed 100hr. Inspection this date IAW Aircraft Service Manual. Replaced left and right flap rod end bushings with new P/N 100801S5-0500. Repaired cracked RH landing gear door clamp with weld. Lubricated control surfaces and pulleys. Lubricated landing gear and performed a retract test. ELT Inspection C/W, Battery due 9/2010. C/W AD 72-22-01 MLG uplock rollers, next due at 4275 TTAF. C/W AD 91-15-20 Engine Mount Insp; No cracks found, next due at 4275 TTAF. C/W AD 76-07-12R1 Ignition Switches, next due at 4275 TTAF. I certify that this aircraft has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition.

Douglas Durning A&P116503811

Doug Durning

P 11-1-08	1208.0	Annual Inspection Completed this date. All AD's in compliance @ this time. I certify that this Aircraft was inspected IAW an ANNUAL Inspection and was Determined to be in Airworthy Condition. <i>/s/ Doug Durning</i>
271 918-83		
4/12/2009		C/W AD 2008-13-17 CIRCUIT BREAKER SWITCHES.
		<i>Doug Durning A&P 3275089</i>

INSPECTION RECORD

F.A.R. 43.11-91.409

KIND OF INSPECTION - STATUS & DISCREPANCY LIST
SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

11/1/2009 HOBBS: 1256.1 TTAF: 4223.8 Ser# TE-455 N18MD
Performed 100hr. Inspection this date IAW Aircraft Service Manual. Replaced left and right brake caliper seals and installed new RA66-44 Brakes; Bled brakes. Repaired surface corrosion under access step. Cleaned Battery Box and Serviced Batteries. Repaired Deice Fluid Qty Sender. Installed O/H Rapco Vacuum Pumps. Lubricated control surfaces and pulleys. Lubricated landing gear and performed a retract test. ELT Inspection C/W, Battery due 9/2010. C/W AD 72-22-01 MLG uplock rollers, next due at 4324 TTAF. C/W AD 91-15-20 Engine Mount Insp; No cracks found, next due at 4324 TTAF. C/W AD 76-07-12R1 Ignition Switches, next due at 4324 TTAF. I certify that this aircraft has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition.

Douglas Durning A&P116503811

Douglas Durning

11/6/09

Annual Inspection complied with this date. All AD's complied with at this time. I certify that this A/C was inspected IAW an Annual Inspection and was determined to be in Airworthy Condition.
11/6/09 RAR 2896106 DA

ALTIMETER INDICATOR CALIBRATION

SERIAL NO.

43319

Test Setting	Inst. Reading	Test Setting	Inst. Reading
-1000	+10	14000	+40
0	+10	16000	+70
500	+5	18000	+100
1000	+10	20000	+130
1500	+25	22000	X
2000	+10	25000	
3000	0	30000	
4000	+20	35000	
6000	+5		
8000	+20		
10000	+20		
12000	+20		

MECHANIC

Neil Knapp

INSPECTOR

Neil Knapp

DIGITAL & LINEAR SYSTEMS RESEARCH

R.S. IV2R912K

INSPECTION RECORD F.A.R. 43.11-91.409

KIND OF INSPECTION - STATUS & DISCREPANCY LIST
CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

Digital & Linear Systems Research, Inc. FAA CRS- IV2R912K
6913 Sandlewood Drive Oklahoma City, OK 73132 ph. (405) 722-3506
Transponder #1 Mfg by King Model No. KT-76
S/N 37134 has been tested, inspected, and found to comply with
FAR 91.413 Reference W.O. 87742 by Neil Knapp
Date 2-2-10
Altimeter #1 Mfg by United Instr. Model No. 5934P-3
S/N 43319 has been certified by Neil Knapp on 2-12-10
to an altitude of 20 thousand feet. Altimeter #2 Mfg by
Model No. S/N has been certified
by on to an altitude of feet.
Static/Encoding system has been inspected, tested, and found to comply with
FAR 91.411 Reference W.O. 87742 by Neil Knapp
Date 2-12-10

9/13/2010 REPLACED ELT BATTERY
WITH NEW BP-1010. PERFORMED
91.207 TEST. BATTERY DUE 12/2012
Dary Dunn AIP 3275089

INSPECTION RECORD

F.A.R. 43.11-91.409

KIND OF INSPECTION - STATUS & DISCREPANCY LIST
SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

11/18/2010 HOBBS: 1314.1 TTAF: 4281.8 Ser# TE-455 N18MD
Performed Annual Inspection this date IAW Aircraft Service Manual.
Replaced Landing Gear Motor with overhauled P/N 58-380090-1 see A/C
records for 8130-3. Replaced seals in L/H MLG strut and serviced strut.
Cleaned Battery Box and Serviced Batteries. Lubricated control surfaces and
pulleys. Lubricated landing gear and performed a retract test. ELT Inspection
C/W, Battery due 12/2012. C/W AD 72-22-01 MLG uplock rollers, next due at
4382 TTAF. C/W AD 91-15-20 Engine Mount Insp; No cracks found, next due
at 4382 TTAF. C/W AD 76-07-12R1 Ignition Switches, next due at 4382
TTAF. I certify that this aircraft has been inspected in accordance with an
ANNUAL inspection and was determined to be in an airworthy condition.

Douglas Durning A&P/IA 3275089

Doug Durning

1/26/11
~~REMOVED~~ DUAL PROBE ALCOH EGT GAUGE. INSTALLED NEW
INSIGHT GEM 1200 ENGINE MONITOR. WORK PERFORMED I/A/W
MANUFACTURERS INSTALLATION MANUAL. NO CHANGE TO W&B.

Doug Durning A&P-IA 3275089

INSPECTION RECORD

F.A.R. 43.11-91.409

KIND OF INSPECTION - STATUS & DISCREPANCY LIST

SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
11/11/2011		HOBBS: 1380.4 TTAF: 4348.1 Ser# TE-455 N18MD Annual Inspection completed this date IAW Beechcraft Service Manual. Lubricated control surfaces and pulleys. Performed landing gear retract test and alignment checks. Serviced oleo struts. ELT inspection and 91.207 test performed; battery due 12/2012. C/W AD 07-08-08 MLG uplock rollers. C/W AD 91-15-20 Engine Mount Inspection. C/W AD 76-07-12R1 Ignition Switches. See AD Compliance Listing dated 11/11/11. I certify that this aircraft has been inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition. Douglas Durning A&P-IA 3275089 <i>Doug Durning</i>
1-22-12		REPLACED MAIN GEAR & NOSE WHEEL TIRES WITH NEW GOODYEAR FC III TIRES. HUBS CLEANED & REPAINTED. BEARINGS LUBRICATED. <i>Doug Durning A&P-IA 3275089</i>

ALTIMETER INDICATOR CALIBRATION

SERIAL NO.

433119

Test Setting	Inst. Reading	Test Setting	Inst. Reading
-1000	-20	14000	-20
0	0	16000	+50
500	0	18000	+90
1000	0	20000	+120
1500	+15	22000	X
2000	+20	25000	
3000	+20	30000	
4000	+15	35000	
6000	+5		
8000	+5		
10000	+30		
12000	+35		

MECHANIC

Rich Kruglyak

INSPECTOR

Rich Kruglyak

DIGITAL & LINEAR SYSTEMS RESEARCH

R.S. IV2R912K

2/20/12

INSPECTION RECORD

F.A.R. 43.11-91.409

KIND OF INSPECTION - STATUS & DISCREPANCY LIST

- CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

Digital & Linear Systems Research, Inc. FAA CRS-IV2R912K

6913 Sandlewood Drive Oklahoma City, OK 73132 ph. (405) 722-3506

Transponder #1 Mfg by King Model No. KT-76

S/N 37134 has been tested, inspected, and found to comply with

FAR 91.413 Reference W.O. 87815 by Rich Kruglyak

Date 2-16-12

Altimeter #1 Mfg by United Instr. Model No. 5934P-3

S/N 433119 has been certified by Rich Kruglyak on 2.20.12

to an altitude of 20 thousand feet. Altimeter #2 Mfg by -

Model No. - S/N - has been certified

by - on - to an altitude of - feet.

Static/Encoding system has been inspected, tested, and found to comply with

FAR 91.411 Reference W.O. 87815 by Rich Kruglyak

Date 2.20.12

3/17/12

HOBBS: 1399.5

REPLACED AIRCRAFT BATTERIES WITH NEW
GILL G-355. CLEANED BATTERY BOX.
Down Dunning ACP-IA 3275089

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
5-18-12		REMOVED O₂ BOTTLE FOR RECERTIFICATION, HYDROSTATIC TEST PERFORMED BY CITY CARBONICS. SEE A/C DOCUMENTS FOR INVOICE. REINSTALLED & RECHARGED O₂ SYSTEM. NO LEAKS DETECTED. RECERTIFICATION NEXT DUE 5/2017. Doug Durning A&P-IA 3275089
		11/02/2012 HOBBS: 1465.3 TTAF: 4433.0 Ser# TE-455 N18MD Annual Inspection completed this date IAW Beechcraft Service Manual. Lubricated control surfaces and pulleys. Performed landing gear retract test and alignment checks. ELT inspection and 91.207 test performed; New BP-1010 battery installed; due 01/2015. Replaced brake linings with new P/N 66-044. C/W AD 07-08-08 MLG uplock rollers. C/W AD 91-15-20 Engine Mount Inspection. C/W AD 76-07-12R1 Ignition Switches. See AD Compliance Listing dated 11/02/12. I certify that this aircraft has been inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition.
		Douglas Durning A&P-IA 3275089 <u>Doug Durning</u>

21

~~11/13~~

ALTIMETER INDICATOR CALIBRATION

SERIAL NO. 433119 *w/o 15785*

3/11/14

Test Setting	Inst. Reading	Test Setting	Inst. Reading
-1000	-1020	14000	14050
0	-10	16000	16060
500	490	18000	18105
1000	1000	20000	20110
1500	1500	22000	
2000	2000	25000	
3000	3000	30000	
4000	4000	35000	
6000	6010		
8000	8015		
10000	10,020		
12000	12,040		

MECHANIC *[Signature]*

INSPECTOR *[Signature]*

AVIONICS SERVICES INC.
CRS AT2R702K

INSPECTION RECORD

F.A.R. 43.11-91.409

KIND OF INSPECTION - STATUS & DISCREPANCY LIST
CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

ALTIMETER, MOD. *5534P-3*

CERTIFIED UNDER PART 43,
AND TESTED AS PER 91.411

FEET ON *3/11/14*

702K W.O. NO. *15785*

STATIC SYSTEM TESTS REQUIRED
BY 91.411 HAVE BEEN PERFORMED

3/11/14 SIG. *[Signature]*
CRS AT2R702K

UNDER SERIAL NUMBER

HAS BEEN TESTED IN

WITH F.A.R. PART 43,

AND MEETS THE REQUIREMENTS

3

SIG. *[Signature]*

AVIONICS INC.

NORMAN, OKLAHOMA

INSPECTION RECORD
F.A.R. 43.11-91.409

KIND OF INSPECTION - STATUS & DISCREPANCY LIST
SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

5-
INSTALLED ALTIMETER, MOD. 5934P-3
S/N 437119 CERTIFIED UNDER PART 43,
APPENDIX E AND TESTED AS PER 91.411
TO 20k FEET ON 3/11/14
BY: AT2R702K W.O. NO. 15785
I CERTIFY THE STATIC SYSTEM TESTS REQUIRED
BY F.A.R. PART 91.411 HAVE BEEN PERFORMED
THIS DATE: 3/11/14 SIG. [Signature]
CRS AT2R702K

91
THIS TRANSPONDER SERIAL NUMBER
37134 / KT76A HAS BEEN TESTED IN
ACCORDANCE WITH F.A.R. PART 43,
APPENDIX F, AND MEETS THE REQUIREMENTS
OF F.A.R. 91.413

DATE: 3/11/14 SIG. [Signature]
CRS AT2R702K
AVIONICS SERVICES INC.
NORMAN, OKLAHOMA

INSPECTION RECORD

F.A.R. 43.11-91.409

KIND OF INSPECTION - STATUS & DISCREPANCY LIST
SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

DATE AIRCRAFT TIME
IN SERVICE

11/4/2014 HOBBS: 1596.3 TTAF: 4564.0 Ser# TE-455 N18MD
Annual inspection completed this date IAW Beechcraft Service Manual.
Lubricated control surfaces and pulleys. Adjusted control cable
tensions per service manual. Performed landing gear retract test and
alignment checks. Installed new seals L/H MLG Strut. ELT inspection
and 91.207 test performed; battery replaced due 01/2017. C/W AD 07-
08-08 MLG uplock rollers. C/W AD 91-15-20 Engine Mount Inspection.
C/W AD 76-07-12R1 Ignition Switches. C/W AD 90-08-14 Wing Spar
Structure. See AD Compliance Listing dated 11/04/14. I certify that
this aircraft has been inspected in accordance with an ANNUAL
inspection and was determined to be in an airworthy condition.

Douglas Durning A&P-IA 3275089

[Signature]

11/13/14 - REPLACED AIRCRAFT

BATTERIES WITH NEW GILL 6255

Doug Durning A&P-IA 3275089

2/5/2015 REMOVED ARTIFICIAL HORIZON. REPLACED WITH
O/H S2DL7 PART FROM AIRCRAFT QUALITY
INSTRUMENTS, INC. SERIAL# 5745BX.
OPS CHECK GOOD. Doug Durning A&P-IA 3275089

8/18/2015 REPAIRED A/C BATTERIES WITH NEW CONCORDE 25AMP
Doug Durning A&P-IA 3275089

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE

AIRCRAFT TIME
IN SERVICEKIND OF INSPECTION - STATUS & DISCREPANCY LIST
SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

CV1J4 Filter Installation Record

(Include with A/C Maintenance Records)

A/C "N" No. 18MD A/C Tach: 1430.7Engine: ☐ Single ☐ Twin: L/H ☒ R/H ☐Date Installed: 4/16/2015 Installed By: J. Damm*****
AEROTECH COMPONENTS INC.

FAA-PMA

SER NO. 011686

CV1J4 Filter Installation Record

(Include with A/C Maintenance Records)

A/C "N" No. 18MD A/C Tach: 1430.7Engine: ☐ Single ☐ Twin: L/H ☐ R/H ☒Date Installed: 4/16/2015 Installed By: J. Damm*****
AEROTECH COMPONENTS INC.

FAA-PMA

SER NO. 011692

INSPECTION RECORD

F.A.R. 43.11-91.409

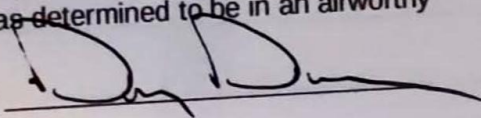
DATE AIRCRAFT TIME
IN SERVICE

KIND OF INSPECTION - STATUS & DISCREPANCY LIST
SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

11/2/2015 HOBBS: 1664.2 TTAF: 4631.9 Ser# TE-455 N18MD

Annual Inspection completed this date IAW Beechcraft Service Manual. Lubricated control surfaces and pulleys. Replaced Aileron Rod End Bearings. R&R MLG Gear Doors for Painting. Performed landing gear retract test and alignment checks. ELT inspection and 91.207 test performed; battery replaced due 01/2017. C/W AD 07-08-08 MLG uplock rollers. C/W AD 91-15-20 Engine Mount Inspection. C/W AD 76-07-12R1 Ignition Switches. See AD Compliance Listing dated 10/28/15. I certify that this aircraft has been inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition.

Douglas Durning A&P-IA 3275089



DATE

ALTIMETER INDICATOR CALIBRATION

SERIAL NO. 433119

Test Setting	Inst. Reading	Test Setting	Inst. Reading
-1000	-1020	14000	14050
0	-10	16000	16050
500	490	18000	18090
1000	995	20000	20110
1500	1500	22000	
2000	2000	25000	
3000	3005	30000	
4000	4000	35000	
6000	6010		
8000	8000		
10000	10020		
12000	12030		

MECHANIC

INSPECTOR

 PS
 AVIONICS SERVICES INC.
 CRS AT2R702K

THIS TRANSPONDER SERIAL NUMBER
37134/KT-76 HAS BEEN TESTED IN
 ACCORDANCE WITH F.A.R. PART 43,
 APPENDIX F, AND MEETS THE REQUIREMENTS
 OF F.A.R.91.413

DATE: 3/21/2016 SIG. Phiz Gule
 CRS AT2R702K
 AVIONICS SERVICES INC.
 NORMAN, OKLAHOMA

 LIST
 /ING AIRCRAFT FOR SERVICE

F.A.R. 43.11-91.409

KIND OF INSPECTION STATUS & DISCREPANCY LIST
CORE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

INSTALLED ALTIMETER, MODEL 5934P-3

S/N 433119, CERTIFIED UNDER PART
43, APPENDIX E, AND TESTED AS PER 91.411 TO
20,000 FEET ON 3/21/2016

BY AT2R702K W.O. 16237

I CERTIFY THE STATIC SYSTEM TEST REQUIRED BY
F.A.R. PART 91.411, HAVE BEEN PERFORMED
THIS DATE 3/21/16 SIG Philz Gule

AVIONICS SERVICES INC.

CRS AT2R702K

THIS TRANSPONDER SERIAL NUMBER

37134/KT-76 HAS BEEN TESTED IN
ACCORDANCE WITH F.A.R. PART 43,
APPENDIX F, AND MEETS THE REQUIREMENTS
OF F.A.R.91.413

DATE: 3/21/2016 SIG. Philz Gule

CRS AT2R702K

AVIONICS SERVICES INC.

NORMAN, OKLAHOMA

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE
AIRCRAFT TIME
IN SERVICEKIND OF INSPECTION - STATUS & DISCREPANCY LIST
SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

LOG ENTRY, N18MD, BEECH D55, S/N TE-455, TACH: 1700.8.

REMOVED KING KT-76 TRANSPONDER, INSTALLED CUSTOMER
FURNISHED, GARMIN GTX-330ES, (ADSB OUT) TRANSPONDER,
AS PER FAA STC # SA01714WI, DATED MAY 1 2013, SEE FAA
FORM 337 THIS DATE FOR DETAILS, WEIGHT CHANGE NEGLID-
ABLE.

REPAIR AND INSPECTION PREFORMED IN ACCORDANCE
WITH CURRENT FAA REGULATIONS AND WAS FOUND
AIRWORTHY FOR RETURN TO SERVICE. DETAILS OF THIS
REPAIR ARE ON FILE AT THIS AGENCY UNDER W.O.#,
16289. AVIONICS SERVICES INC., CRSAT2R702K, NORMAN
OKLAHOMA.

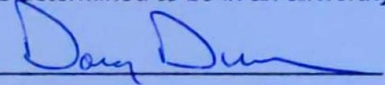
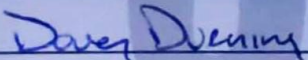
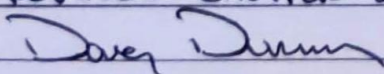
PHILIP STEELE *Philip Steele* DATE 7/18/16

THIS TRANSPONDER SERIAL NUMBER
84100336 HAS BEEN TESTED IN
ACCORDANCE WITH F.A.R. PART 43,
APPENDIX F, AND MEETS THE REQUIREMENTS
OF F.A.R.91.413

DATE: 7/18/2016 SIG. *Philip Steele*
CRS AT2R702K
AVIONICS SERVICES INC.
NORMAN, OKLAHOMA

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
		12/2/2016 HOBBS: 1726.8 TTAF: 4694.5 Ser# TE-455 N18MD Annual Inspection competed this date IAW Beechcraft Service Manual. Lubricated control surfaces and pulleys. Performed landing gear retract test and alignment checks. Replaced ELT with new Artex 345 406 MHZ unit. Installed remote cockpit switch IAW Manufacturer instructions. ELT inspection and 91.207 test performed; battery due 10/2023. C/W AD 07-08-08 MLG uplock rollers. Replaced L&R fuel strainer seals. C/W AD 91-15-20 Engine Mount Inspection. C/W AD 76-07-12R1 Ignition Switches. See AD Compliance Listing dated 12/02/16. I certify that this airframe has been inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition. Douglas Durning A&P-IA 3275089 
3/4/17		REPLACED R/H AUXILARY FUEL PUMP WITH O/H UNIT P/N 4404-00-7MV. SEE AIRCRAFT RECORDS FOR 8130 OPS CHECK GOOD.  A&P-IA 3275089
3/16/17		REPLACED L/H AUXILIARY FUEL PUMP WITH O/H UNIT P/N 4404-00-7MV. SEE AIRCRAFT RECORDS FOR 8130. OPS CHECK GOOD. REPLACED MLG & NG TIRES WITH NEW GOODYER FLIGHT IR. REPLACED CALIPER SEALS & BRAKE LINKS WITH NEW PARTS  A&P-IA 3275089

DATE

INSPECTION RECORD

F.A.R. 43.11-91.409

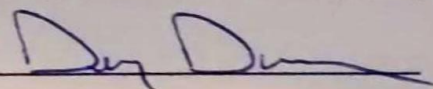
DATE AIRCRAFT TIME
IN SERVICE

KIND OF INSPECTION - STATUS & DISCREPANCY LIST
SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

12/16/2017 HOBBS: 1749.6 TTAF: 4717.3 Ser# TE-455 N18MD

Annual Inspection completed this date with reference to Beechcraft Service Manual. Lubricated control surfaces and pulleys. Performed landing gear retract test and alignment checks. ELT inspection and 91.207 test performed; battery due 10/2023. C/W AD 07-08-08 MLG uplock rollers. C/W AD 91-15-20 Engine Mount Inspection. C/W AD 76-07-12R1 Ignition Switches. See AD Compliance Listing dated 12/16/17. I certify that this airframe has been inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition.

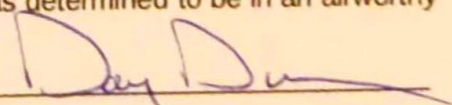
Douglas Durning A&P-IA 3275089



01/07/2019 HOBBS: 1776.1 TTAF: 4743.8 Ser# TE-455 N18MD

Annual Inspection completed this date with reference to Beechcraft Service Manual. Lubricated control surfaces and pulleys. Performed landing gear retract test and alignment checks. ELT inspection and 91.207 test performed; battery due 10/2023. C/W AD 07-08-08 MLG uplock rollers. C/W AD 91-15-20 Engine Mount Inspection. C/W AD 76-07-12R1 Ignition Switches. See AD Compliance Listing dated 12/21/18. I certify that this airframe has been inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition.

Douglas Durning A&P-IA 3275089





Make & Model: Beechcraft D55
Date: 18/Jan/2019

Reg#: N18MD
S/N: TE-455

LOG BOOK ENTRY

1. **Performed** the following FAR 91.411 Inspection IAW FAR 43 appendix E. No discrepancies were noted
2. **Performed** the following FAR 91.413 Inspection IAW FAR 43 appendix F. No discrepancies were noted.

	#1 ADC	#1 XPDR
P/N	5934P-3	
S/N	433119	011-00455-60
		84100336

Reference Capital Aviation, Inc. Process Specifications CA-300 for work performed.
No Flight Manual Supplement required

No 337 Required

Weight and Balance is negligible

All work performed complies with current Federal Aviation Regulations. This aircraft is approved for return to service IAW, 14 CFR 135.411(a)(1,) the work performed. Details are on file at this facility under **W/O #3178**.

Signature

Edwin M. Kostuk

CRS# X91R092Y

DGAC #CO-152/17