

SECTION V

WEIGHT AND BALANCE

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TE-1068								

Pilot's Operating Manual Baron E55 TE-938, 943 and after

N333RE

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LOADING INSTRUCTIONS

It is the responsibility of the pilot to insure that the airplane is properly loaded. At the time of delivery, Beech Aircraft Corporation provides the necessary weight and balance data for the computation of individual loadings. All subsequent changes in weight and balance are the responsibility of the owner and/or operator.

The Basic Empty Weight and Moment of the airplane at the time of delivery is shown on the Aircraft Basic Empty Weight and Balance form. Useful load items which may be loaded into the airplane are shown on the Useful Load Weights and Moments tables. The minimum and maximum moments approved by the FAA are shown on the Gross Weight Moment Limits graph. These moments correspond to the forward and aft center of gravity flight limits for a particular weight.

COMPUTING PROCEDURE

- 1. Record the Basic Empty Weight and Moment from the Aircraft Basic Empty Weight and Balance form (or from the latest superseding form). The moment must be divided by 100 to correspond to Useful Load Moments.
- Record the weight and corresponding moment of each item to be carried.
- 3. Total the weight column and moment column. The total weight must not exceed the maximum allowable gross weight and the total moment must be within the minimum and maximum moments shown on the Gross Weight Moment Limits graph for that weight.
- 4. Determine the weight and corresponding moment of fuel to be burned by subtracting the amount on board on landing from the amount on board at take-off.

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5. Subtract the weight and moment of fuel to be burned from the take-off weight and moment. The landing moment must be within the minimum and maximum moments shown on Gross Weight Moment Limits Graph for that weight. If the total moment is less than the minimum moment allowed, useful load items must be shifted aft or forward load items reduced. If the total moment is greater than the maximum moment allowed, useful load items must be shifted forward or aft load items reduced. If the quantity or location of load items is changed, the calculations must be revised and the moments rechecked.

SAMPLE LOADING

	WEIGHT (LBS)	MOMENT (/100)
Basic Empty Weight	3507	2744
2. Fuel - (136 Gal.)	816	671
3. Pilot & Front Seat Passenger	340	290
4. * Center Seat Passengers	340	412
5. 5th & 6th Seat Passengers		
(Or Baggage in Same Area)	170	255
6. Baggage - Forward Compartment	127	32
7. Baggage - Rear Compartment		-
8. Cargo (With Center Seats		
Removed)		
9.** Total at Take-Off	5300	4404
10. Less: Fuel (110 Gal.)	660	550
11.** Total At Landing	4640	3854

*When center seats are removed subtract 46 lbs from the aircraft weight and 59 lb in moment X 100 from the aircraft moment.

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^{**}Locate each of these points on the Gross Weight Moment Limits Envelope to insure proper loading under all fuel conditions.

USEFUL LOAD WEIGHTS AND MOMENTS

FUEL

ATTENDED	Maria Carl	FUEL	ATTOMATICAL VIAL	W OLL
GALS	WEIGHT	100 GAL	136 GAL	166 GAL
10 J. T.	100		MOM/100	
10	60	45	46	46
20	120	90	92	92
30	180	135	140	140
40	240	180	189	189
50	300	225	238 =	238
60	360	270	288	288
70	420	315	338	338
80	480	360	388	388
90	540	406	439	439
100	600	452	489	489
110	660	a y eltr	539	539
120 .,	720		590	590
130	780		641	641
136	816	* ~ -	671	
140	840		1 00 has 10	692
150	900			743
160	960	Could Make	000 00 P 300 P	793
166	996		Aller A Section	824

Pilot's Operating Manual Baron E55 TE-938, 943 and after 7 232 dotsd

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		OCCUPANTS	ANTS			U
	FRONT SEATS	SEATS	CENTER	SEATS	STH & 6TH	SEF
	FWD.	AFT	FWD.	AFT	SEATS	UI
7	POSITION ARM 85	POSITION ARM 89	POSITION ARM 121	POSITION ARM 127	ARM 152	L LO
			MOMENT/100			AD
	102	107	145	152	1.82	WEIG
103	110	116	157	165	198	GH.
	119	125	169	178	213	TS
	128	134	182	190	228	AN
	136	142	194	203	243	ID
MA	144	151	206	216	258	MO
	153	160	218	229	274	M
	162	169	230	241	289	EN
	170	178	242	254	304	TS
cn	pant Positic	Occupant Positions for Adjustable Seats are shown at their ex-	table Seats	are shown a	t their ex-	
it	treme positions. Inter	Intermediate Positions will require interpolation	tions will r	equire inte	rpolation	
me	of the Moment/100 Values.	.81				

(TE-1065 & AFTER)

Pilot's Operating Manual Baron E55 TE-938, 943 and after

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(THRU TE-1064)

USEFUL LOAD WEIGHTS AND MOMENTS

C	
ŀ	2
LINK	7
9	
1000	
1	1

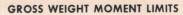
Pilot's Operating Manual Baron E55 TE-938, 943 and after

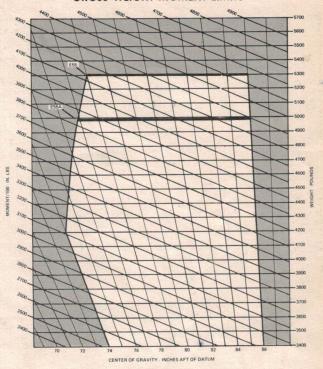
USEFUL LOAD WEIGHTS AND MOMENTS

		BAGGAGE		CA	RGO
	FORWARD	RE	AR	FWD. OF SPAR	AFT OF SPAR
WEIGHT	ARM 25	FS 131 TO 170 ARM 150	FS 170 TO 190 ARM 180	(CENTER SEATS REMOVED) ARM 108	(CENTER & AFT SEATS REMOVED) ARM 145
			MOMENT/100		
10	3	15	18	11	15
20	5	30	36	22	29
30	8	45	54	32	44
40	10	60	72	43	58
50	13	75	90	54	73
60	15	90	108	65	87
70	18	105	126	76	102
80	20	120	144	86	116
90	23	135	162	97	131
100	25	150	180	108	145
110	28	165	198	119	160
120	30	180	216	130	174
130	33	195		140	189
140	35	210		151	203
150	38	225		162	218
160	40	240		173	232
170	43	255		184	247
180	45	270		194	261
190	48	285	* 17 P. C.	205	276
200	50	300		216	290
210	53	315			305
220	55	330			319
230	58	345	1 200		334
240	60	360			348
250	63	375			363
260	65	390			377
270	68	405			392
280	70	420	The second		406
290	73	435	TO THE WAY IN THE PERSON NAMED IN		421
300	75	450			435
310	Sec. 12. 12.	465			450
320		480			464
330		495			479
340		510			493
350	The state of	525	1 5 1 5 1 5		508
360	The second second	540			522
370		555			537
380		570			551
390	SEAR NO	585		-	566
400		600	E STATE		580

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ENVELOPE BASED ON THE FOLLOWING WEIGHT AND CENTER OF GRAVITY LIMIT DATA (LANDING GEAR DOWN)

E55

WEIGHT CONDITION	FORWARD C.G. LIMIT	AFT C.G. LIMIT
5300 LB. (MAXIMUM TAKE-OFF	78.0	86.0
OR LANDING) 4200 LBS OR LESS	74.0	86.0

	E55A	
WEIGHT CONDITION	FORWARD C.G. LIMIT	AFT C.G. LIMIT
4990 LB. (MAXIMUM TAKE-OFF	76.9	86.0
OR LANDING) 4200 LBS OR LESS	74.0	86.0

E55-601-79

Pilot's Operating Manual Baron E55 TE-938, 943 and after

Beechcraft BARON® EQUIPMENT LIST

MODEL <u>E55</u> SERIAL NO. <u>TE-1068</u> REG. NO. <u>N333RE</u> DATE <u>10-17-75</u>

STATUS OF EQUIPMENT: X = Installed in Airplane

0 = Not Installed in Airplane

		ITEM	WEIGHT	ARM
*	x	10. Two Hartzell Constant-Speed, Full Feathering 2-Bladed Propellers (Per STC SA773CE) (a) Hubs: BHC-C2YF-2CHF (1) Blades: FC8475-6 or FC8475B-6 Spinner: C2285-1(P)	64 ea	18
*	0	10. Two Hartzell Constant-Speed, Full Feathering 3-Bladed Propellers (Per STC SA773CE) (b) Hubs: PHC-C3YF-2F Blades: FC7663-2R or FC7663B-2R Spinner: C3567-1(P)	85 ea	18
	x	2. (f) Woodward Propeller Governor D210439 or 210662 (Use B210710 with Propeller Synchronizer)	3 ea	26
	x	(c) Beech Unfeathering Accumulator per Beech Drawings 96-960011 or 55-001067	6 ea	68
	x	101. Fuel Pumps (1) Two Electric Booster Pumps P/N 96-380020-1 or Dukes 4404-00-1 and	3 ea	88
	x	(m) Two Engine-Driven Continental 630947-2 or 638154-2A4	2 ea	55
	x	102. Two Oil Radiators (d) CMC 633288, 633277, 634063 or 635996	7 ea	53
	x	103. Two Carburetor Air Cleaners (c) Air Maze 121128-2	1 ea	65
	-	COURT E 5 75		

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Beechcraft BARON®

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x o	104. (f)	Two Pressure Pumps Airborne Mechanisms 242CW 442CW-12	2 ea 3 ea	56
	105.	이 경기를 위한다고 있다고 하면 하는 것이 되었다. 그는 사람들은 사람들은 사람들은 사람들이 살아가는 것이 없다.		56
х	(b)	Two Starters Delco-Remy 1108234 (CMC 627841) or Prestolite MHJ 4002 (CMC 634433) or Prestolite MHJ 4003 (CMC 637847)	16 ea	55
x	114.	166-Gallon Fuel System (Exchange for Standard)	+36	91
0	116.	136-Gallon Fuel System (Exchange for Standard)	+5	184
x	201. (e)	Two Main Wheel-Brake Assemblies Cleveland - Wheel Assembly 40-98 - Brake Assembly 30-66	10 ea 4 ea	96 97
x	202.	(a) Two Main Wheel 6-ply or 8-ply Tires, 6.50-8 with Regular Tubes	13 ea	96
x	205. (f)	One Nose Wheel 5.00-5, Type III Wheel Assembly Cleveland 40-87	3 ea	0
х	206.	(a) One Nose Wheel 6-ply Rating Tire, 5.00-5, with Regular Tube	6 ea	0
0	210.	Co-Pilot's Brakes	4	54
			1 4	

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Beechcraft BARON® EQUIPMENT LIST

MODEL ____E55 ___ SERIAL NO. ___TE-1068 __REG. NO. ___N333RE ____ DATE __10-17-75

STATUS OF EQUIPMENT: X = Installed in Airplane

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	ITEM		WEIGHT	ARM
x	301. (m)	Generators Two 50 Amp. Alternators (CMC 634445) (Prestolite ALT-9405) or (CMC 641668) (Prestolite ALT-9422) and Two 50 Amp. Regulators (Beech 60-389017) (Overvoltage Relay Integral Part of Regulator)	13 ea	28
o x	302. (d) (e)	Battery One 24 Volt, 17-Amp-Hr. (Beech 118654) or Two 12 Volt, 25-Amp-Hr. (Beech 58-380056-1)	30 21 ea	20 20
x	303. (d)	Two Landing Lights GE4596 (Wing Tip)	1 ea	81
x	401. (uu)	DOA Approved Airplane Flight Manual AFM P/N 96-590010-9 dated 9-10-73 (latest revision)	-	-
x	402. (i)	Heater Installation Beech 58-550021 Series	38	-1
0	404. (e)	T-Type Dual Control Column Beech 95-524034-7	3	72
x	501.	Propeller Anti-Icer 3-Gallon Fluid Tank, Pump and Lines Installed per Beech Drawing 96-960008 Series (Weight includes 22 Lbs. Fluid @ +21) Use with Propeller Item 10 (a) (1), or 10 (b) (1)	31	25

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Beechcraft BARON® EQUIPMENT LIST

SERIAL NO. __TE-1068 __REG. NO. __N333RE __DATE __10-17-75

STATUS OF EQUIPMENT: X = Installed in Airplane

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	ITEM		WEIGHT	ARM
0	505.	(a) B. F. Goodrich Electric Propeller Deicing System per Beech Drawing 96-960021 (Use with Propeller Item 10 (a) (1))	13	30
)		(b) B. F. Goodrich Electric Propeller Deicing System per Beech Drawing 96-960020 (Use with Propeller Item 10 (b) (1))	15	31
0	507.	Surface De-Icer, B. F. Goodrich Type 25 Wing and Tail De-Icer Boots and Automatic Cycling Controls		
	(b)	(Pressure Pump Weight Change not included) Beech Drawing 96-970004 Series	26	156
) K	601. (b)	Stall Warning Indicator Safe-Flight No. 168-3 (Heated) or No. 190-3 (Heated) per Beech Drawing 95-970000 Series or 95-001038, or 58-361013 or Safe-Flight No. 151-3 or 151-10	Negl.	
x	602.	Heated Pitot Head Installation	1	2
o x	603. (j) (k)	Optional Seating Arrangement Fifth Seat or Fifth and Sixth Seat	15 30	155 155
0	606. (v)	Oxygen Installation High Pressure per Beech Drawing 58-560001 (cu. ft Forward Bottle)		

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MODEL __E55

Beechcraft BARON®

STATUS OF EQUIPMENT: X = Installed in Airplane

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		ITEM	WEIGHT	ARM
*	0	610. Area Navigation Equipment (Per Applicable Beech Drawings) AFMS P/N 96-590011-5 dated September 8, 1972 or later.	<u>-</u>	-
	х	Emergency Locator Transmitter	3	227
	x o x	SPECIAL EQUIPMENT Flight Hour Recorder Engine Hour Recorder Dual Tachometer w/Synchroscope (Exchange)	1 1 Negl.	68 68
	x	Alcor Exhaust Temperature Gauge	2	68
	0 x x x x x o	Control Wheel Clock (Chrono) (Exchange) Steerable Nose Wheel Light Wing Ice Lights Alternate Static Air Source Rotating Beacon - Top Rotating Beacon - Lower External Power Receptacle	Neg1. 1 Neg1. Neg1. 2 3	- -1 68 - - - 112 77
	0 0 X X X O	Headrests Shoulder Harness - Pilot and Copilot Enlarged Baggage Door Windshield Anti-Icer (LH) (Alcohol) Strobe Light Installation (Grimes 3-Light System) Propeller Synchronizer Installation per Beech Drawing 58-960011	1 ea 2 9 1 10 2	Var. 112 158 50 139
			100	

ISSUED 5-5-75

Beechcraft BARON®

EQUIPMENT LIST

MODEL ___E55 ___ SERIAL NO. __TE-1068 ___ REG. NO. __N333RE ___ DATE ___10-17-75

STATUS OF EQUIPMENT: X = Installed in Airplane

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	ITEM	WEIGHT	ARM
	AUTOPILOTS AND FLIGHT DIRECTORS Edo-Aire Mitchell Autopilot w/Exchange Gyros:	1/2	
0	Century III (AK450) (STC SA1777SW) AFMS P/N 68S149	23	122
x	Century IV (AK446) (STC SA1808SW) AFMS P/N 68S159	30	107
0	Century IV w/FD (AK446FD) (STC SA1808SW) AFMS 68S159	31	105
	AFFIS 005139		
	AVIONICS		
	King KX-170B Comm/Nav (Dual)		
x	KX-170B Transceiver (2)	14	61
	KA-39 Voltage Regulator and Mount (2)	2	-11
	KI-214 Indicator	3	65
X	KI-201C Indicator	3	65
X	Beech B-6 Antenna and Coax	3 2 2	94
X	Beech B-6 Antenna and Coax		134
X	Beech B-12 Antenna and Coax	4	241
X	Speaker	1	98
X	Microphone and Headset	1	83
x	Wiring, Plugs, etc.	4	63
	*Flight Manual Supplement Required		

ISSUED 5-5-75

Beechcraft BARON® EQUIPMENT LIST

MODEL E55

SERIAL NO. __TE-1068 __REG. NO. __N333RE __DATE __10-17-75

STATUS OF EQUIPMENT: X = Installed in Airplane

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	ITEM	WEIGHT	ARM
	King KR-85 ADF		
x	KR-85 Receiver	4	64
x	KI-225 Indicator		66
x	Loop Antenna and Coax	2 2 1 2	63
x	Sense Antenna and Cable	1 1	143
x		2	65
	King KT-76 Transponder		
X	KT-76 Transponder	3	65
x	Beech B-18 Antenna and Coax	3 3 2	149
X	Wiring, Plugs, etc.	2	83
	King KN-65A DME		
x	KN-65A Receiver	9	-3
X	KI-266 Indicator	1	65
x	Beech B-18 Antenna	9 1 1 1	97
x	Wiring, Plugs, etc.	1	51
	King KMA-20 Audio/Marker Beacon		
X	KMA-20 Audio Control	2	67
X	Marker Beacon Antenna (Beech B-16)	1 1	193
X	Wiring, Plugs, etc.	1	71

90-35897

Beechcraft BARON® AIRCRAFT BASIC EMPTY WEIGHT AND BALANCE

AIRCRAIT DA	SIC LAN								
DATE 10-17-75 AIRCRAFT SERIAL NO. TE-1068									
MODEL E55 REGISTRATION NO. N333RE									
STRUT POSITION - NOSE	MAIN			JAC	CK POINT LOCATION				
EXTENDED -0.2	96				FORWARD 83.1				
COMPRESSED 1.0	97		· ma	011	AFT 271.0				
	P	REPARED	BY: ///	uleit					
REACTION ***********************************	SCALE READING	TARE	NET WEIGHT	ARM	MOMENT				
LEFT MAIN	1705	-	1705						
RIGHT MAIN	1733	-	1733						
SUB TOTAL	3438	- 8	3438	83.1	285698				
XXXXXXXX TAIL	163	206	-43	271.0	-11653				
TCTAL (AS WEIGHED)	3601	206	3395		274045				
Add: Anti-Icer Fluid (3 Gallons) SUPERCEDED FLIGHT MANUAL FOR GURRENF DATA FLIGHTCRAFT, INC. ARS 4126									
EMPTY WEIGHT			3417	80.3	274507				
ENGINE OIL 45 43 1935 UNUSABLE FUEL 36 79 2844									
BASIC EMPTY WEIGHT Actual 3498 79.8 279286									
90-35896									

Beechcraft

WEIGHT AND BALANCE LOADING FORM

MODEL __ E55 __ SERIAL NO. __ TE-1068 __ REG. NO. __ N333RE __ DATE __ 10-17-75

ITEM	W.EIGHT	MOM/100		WEIGHT	MOM/100
BASIC EMPTY CONDITION	3498	2793	-	3532	280.552
FRONT SEAT OCCUPANTS	340	290		*	
3rd & 4th SEAT OCCUPANTS	340	412	400		
5th & 6th SEAT OCCUPANTS	150	228		40.5	
BAGGAGE					
BAGGAGE					
CARGO		-			
SUB TOTAL ZERO FUEL CONDITION	4328	3723			
FUEL LOADING (166 Gal.)	996	824		7 79	
SUB TOTAL RAMP CONDITION	5324	4547		and the second	- J
*LESS FUEL FOR START, TAXI, AND TAKE-OFF	-24	-20			- 79
SUB TOTAL TAKE-OFF CONDITION	5300	4527			
LESS FUEL TO DESTINATION (142 Gal.)	-852	-712			
LANDING CONDITION	4448	3815			A27

^{*}Fuel for start, taxi and take-off is normally 24 lbs. at an average mom/100 of 20.

Flightcraft, Inc. ARS4126
Date Dec-16,1477

Signature Kluur L. Shum

ITEM	WEIGHT	ARM	MOMENT
Aircraft 2 King KX170B Transceivers Removed King KN-201C Indicator Removed King KN-73 GS Receiver Removed 2 King KA-39 Power Converters Removed King KN-77 VOR Converter Removed Collins VHF-251 #1 Transceiver Installed Collins VHF-251 #2 Transceiver Collins VHR-351 #1 Receiver Collins GLS Glideslope Receiver Collins GLS Glideslope Receiver Collins INA-351 Indicator Collins PWC-150 Power Converter Collins PWC-150 Power Converter	3532.0 -14.0 -3.0 -2.5 -2.0 -2.2 3.8 3.1 3.1 2.0 1.3 1.5	79.4 61. 65. -8. -11. -8. 61. 61. 61. 65. -14.	280552.1 -854.0 -195.0 20.0 22.0 17.6 231.8 231.8 189.1 189.1 -16.0 84.5 -21.0
Edo-Aire IC775 Nav Flight Adapter	1.5	-14.	-21.0
	3529.0	79.4	280424.0

Crass Niss Ling.

WEIGHT AND BALANCE

Date Registration # Serial # Vircraft Model E-55 TE 1068 N 333HE 8/30/87 Beech

Name:

Address:

City:

WILD LIFE

ROSEARCH FUND

2065 Booton Post Road.

LARCH MONT

State:

N.Y.

2ip Code: 1053P

scription of	work a ccomplished		Weight	Arm	Moment	Ar. S
	ircraft Weight and Bala	nce as received	3540	19.21	280401.4	v. 14
	3M WX12	A Comment of the Comm	4.	62	248	•
			3.1	160	480).
	R-21 Loran	****	6.	62	372	7.
	King KRA-10) 12	2.	62	128	1.5
	Fuel Flow		4.	127	508	
	Computer		2.	62	124	
	EGT Elect.	Int'l	1	62	62	
	Removed EG	I Beech	- 1.	62	- 62	
		Superceded	- 1. Coost Avionités			1.00
		Kro5				
			Moment (in	bs)	seful load lbs	
ategory	Empty Wt. (lbs)	Empty Arm			1737	
A LEBOT Y		79.25	282385.4			

70 Airport Road Westerly, RI 02891 FAA Repair Station #E 13-12 401-596-0735

the appropriate manufacturer's manuals and drawings and in compliance with FAR AC No. 43.13-2 using the standard methods, techniques and practices approved and accepted by the FAA as set forth in FAR Part 23.

Treasure Coast Avionics

2974 Aviation Way Ft. Pierce, FL 34946 561/464-3148

Weight And Balance

Reg. Number: Make/Model:

N333HE Beech E55

Year:

Serial Number:

Date:

01-13-1999

Tach: Max Weight: Work Order:

5300 3798

TE1068

New A/C Empty Weight:

New A/C Empty C.G.:

3556.7 79.29 Landing C.G. Range:

Gear Extended C.G. Range:

nty Weight C G Range

New A/C Useful Load: 1743.3	Empty Weight C.G	B. Range:			400000
Description	Serial Number	Weight	Arm	Moment	nstalledRemove
Previous Aircraft Empty	TE1068	3563.0	79.25	282367.8	n/a n/a
Removed ARNAV R-21 Loran Collins ANS-351		6.00 3.80	62.00 65.00	372.0 247.0	X
Installed Skyforce Skymap IIIC Garmin GA-56 GPS Antenna		3.00 0.50	66.00	198.0 57.0	X
		aled 5-12	,0 \		
	5 1 penc				
New Aircraft Values		3556.7	79.29	282003.8	10

FAA CRS, YHLR983K

US Department of Transportation Federal Aviation Administration

MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

Form Approved OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This form is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

Make

Beechcraft

Model

F-55

1. Aircraft	Make Bee	cheraft	4.67	Model	-55 AND AN-AD THE		STORE, 6	
1. All Clair	Serial No. TE10	068			nd Registration Mark	na etendi	orio Educació	
2. Owner	Name (As show Wild	n on registration certifica life Research Fund	ate) Inc	2	s shown on registration ce 2065 Boston Post Rd archmont, NY 10538		1, Chap	
		on the ball of the party of the	3. Fo	r FAA Use Only	teni esset and 38) es	-	ASS NOT	
er Til		s postupiapo recitor s	ner (silital) e	ar vans of the pilot. vas from not to basilist	to the allower, in see	kinong ame Yolog bisan		
	and the second s	ANIAGO.	4. Un	it Identification	magrani memplupe	5. Type	ndnesty	
Unit		Make	1	Model	Serial No.	Rapair	Alteration	
AIRFRAME		NO.	(As descri	bed in item 1 above)			x	
POWERPLA	NT							
PROPELLER								
ADDILIANOS	Туре		-					
APPLIANCE	Manufacturer			*				
			6. Confo	rmity Statement				
	Name and Address		B. K	and of Agency	C. Certi	ficate No.		
2974 Aviat	Coast Avionics			U.S. Certificated Mechanic				
Ft. Pierce,	FL 34946			Foreign Certificated Mechanic	YHLF	R983K		
			X	Certificated Repair Station Manufacturer				
HOVE DOC	I I I accordance	alteration made to the ure with the requirements wrect to the best of my k	of Part 43 o	ed in item 4 above and describe of the U.S. Federal Aviation Reg	ed on the reverse or attack gulations and that the infor	nments hereto mation		
Date 01-13-19	199		Sign	ature of Authorized Individual)		
				r Return to Service				
Pursuant to the Administrator	ne authority given per of the Federal Aviati	rsons specified below, the on Administration and is	ne unit ident	tified in item 4 was inspected in	the manner prescribed by	the .		
FA	A Fit. Standards pector	Manufacturer			REJECTED Other (Specify)			
	A Designee X	Repair Station	Pers Cana	on Approved by Transport adian Airworthiness Group				
Oate of Approv	al or Rejection	Certificate or Designation No. YHLR983K		ature of Authorized Individual	1/1/11			

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

Removed ARNAV R-21 Loran and Collins ANS-351 from radio stack. Installed Skyforce Skymap IIIC GPS in radio stack. Installed Gamin GA-56 GPS Antenna on top of cabin at FS 114. The above installation was made in accordance with: equipment manufacturer's installation manuals, aircraft manufacturer's standards for avionics installations, AC 43.13-2A chapters 2.8.3, AC 43.13-12, Chapter 5. Section 1. Chapter 11, Sections 2,34,7 and Chapter 13, and in compliance with FaR 23.1301, 23.1431 and N 8110.47, Appendix 1, Chapter 3. This data is approved by reference to previous approvals by FAA letter dated 4/13/95. The electrical load does not exceed 80% of rated generator capacity. The Skyforce Skymap IIIC has been installed for VFR usage. A placard stating "GPS limited to VFR use only" has been been installed in the aircraft, in clear view of the plot. Aircraft was ground tested and the GPS was found not to interfere (EMI) with other equipment and is functioning properly and safely. Weight & balance & equipment list were updated. Logbook entry made. ——END— END— Additional Sheets Are Attached.	8. Description of Work (If more space is required, as	Accomplished ttach additional sheets, Ide	entify with aircraft nationality and registration mark a	nd date work completed)	Market Lab
manufacturer's standards for avionics installations, AC 43.13-2A chapters 2 & 3, AC 43.13-1A, Chapter 5, Section 1, Chapter 13, Section 2, 34, 7 and Chapter 13, and in compliance with FAR 23.1301, 23.1431 and N 8110.47, Appendix 1, Chapter 3. This data is approved by reference to previous approvals by FAA letter dated 4/13/95. The electrical load does not exceed 80% of rated generator capacity. The Skyforce Skymap IIC has been installed for VFR usage. A placard stating "GPS limited to VFR use only" has been been installed in the aircraft, in clear view of the pilot. Aircraft was ground tested and the GPS was found not to interfere (EMI) with other equipment and is functioning properly and safely. Weight & balance & equipment list were updated. Logbook entry made. —END— END— END— END— END— END— END— END— The Skyforce Skymap IIC has been installed for VFR usage. A placard stating "GPS limited to VFR use only" has been installed in the aircraft, in clear view of the pilot. Aircraft was ground tested and the GPS was found not to interfere (EMI) with other equipment and is functioning properly and safely. Weight & balance & equipment list were updated. Logbook entry made. —END— END—	Removed ARNAV R-2	21 Loran and Collin	s ANS-351 from radio stack. Installed	[14] [16] [16] [16] [16] [16] [16] [16] [16	adio
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U.S. GOVERNMENT PRINTING OFFICE: 1992-769-012/60157

Weight And Balance Treasure Coast Avionics 2974 Aviation Way Ft. Pierce, FL 34946 561/464-3148 Reg. Number: N333HE /Make/Model: Beech E55 /Year: /Serial: TE1068 Date: 01-13-1999 /Tach: /Max. Weight: 5300 /Work Order: 3798 Landing C.G. Range: Gear Extended C.G. Range: 3556.7 New A/C Empty Weight: 79.29 New A/C Empty C.G.: New A/C Useful Load:

Description Empty Weight C.G. Range: 1743.3 Moment Weight Arm Removed n/a Serial Number 282367.8 n/a 79.25 3563.0 TE1068 Previous Aircraft Empty Removed ARNAV R-21 Loran Collins ANS-351 62.00 65.00 372.0 247.0 6.00 Installed Skyforce Skymap IIIC Garmin GA-56 GPS Antenna 66.00 114.00 198.0 57.0

New Aircraft Values

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U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

Form Approved Budget Bureau No. 04-R060.1

FOR FAA USE ONLY
OFFICE IDENTIFICATION

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form.

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	NAME (As sho	wn on registration cer	tificate) O I Jao I II. b	ADDRESS (A	s shown on registr	ation certifi	cate)	
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Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

applicable airworthiness requirements.	PROBASSIJA WYJA WARINA	D.
8. DESCRIPTION OF WORK ACCOMPLIS	HED (If more space is required, attac	th additional sheets.
Identify with aircraft nationality and registra	ration mark and date work completed.)	MAKE BODG
ARNAV-R-21 Loran. Kin	ng Avienics: 3M WX-12 Storming KRA 10 Radar Altimeter.	Scope. Hoskins Fuel
section 1 thru 6 and A section 6 paragraph A.	in accordance to AC43.13-1 C43.13-2A chapter 2 and 3 as Stormscope installed MFG. and Hoskins Fuel Flow instal	nd AC20-121 installation
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ADDITIONAL SHEETS ARE ATTACHED

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DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

Form Approved Budget Bureau No. 04-R060.1

FOR FAA USE ONLY
OFFICE IDENTIFICATION

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. MAKE MODEL Beechcraft Baron E55 AIRCRAFT NATIONALITY AND REGISTRATION MARK SERIAL NO. TE 1068 ADDRESS (As shown on registration certificate) NAME (As shown on registration certificate) P.O. Box 1274 2. OWNER ATLANTIC ERECTORS, INC. Pearland, Tx 77581 3. FOR FAA USE ONLY 18 4. UNIT IDENTIFICATION 5. TYPE ALTER-UNIT MAKE MODEL SERIAL NO. REPAIR ATION AIRFRAME X **POWERPLANT PROPELLER** TYPE APPLIANCE MANUFACTURER 6. CONFORMITY STATEMENT A. AGENCY'S NAME AND ADDRESS B. KIND OF AGENCY C. CERTIFICATE NO. U.S. CERTIFICATED MECHANIC HOUSTON JETRONICS, INC. FAA 2230 FOREIGN CERTIFICATED MECHANIC 8249 TRAVELAIR CERTIFICATED REPAIR STATION 1754308 HOUSTON, TX 77061 MANUFACTURER D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge. DATE SIGNATURE OF AUTHORIZED INDIVIDUAL January 26, 1983 7. APPROVAL FOR RETURN TO SERVICE Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is X APPROVED REJECTED OTHER (Specify) FAA FLT. STANDARDS MANUFACTURER INSPECTION AUTHORIZATION INSPECTOR BY CANADIAN DEPARTMENT

OF TRANSPORT INSPECTOR

SIGNATURE OF AUTHORIZED INDIVIDUAL

OF AIRCRAFT

January 26, 1983

DATE OF APPROVAL OR

REJECTION

FAA DESIGNEE

REPAIR STATION

CERTIFICATE OR

1754308

DESIGNATION NO.

Weight and dollarce or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. DESCRIPTION OF WORK ACCOMPLISHED (If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

Installed Sperry Primus 200 Radar system. Existing nose dome was used. Removed 9 3/8 inch of equipment shelf and relocated junction box. Fabricated baffel and mounting brackets from .050 aluminum 6061-T6. Rubber seal attached to baffel to seal RT unit from heater compartment. All work preformed in accordance with AC 43-13-2 Chapter 2. paragraph 21 thru 23. New weight and balance computed and listed in flight manual. No appreceiable change noted in electrical system and no erro noted in compass from this installation.

EW 3,540 MOMENT 280,401.4 EWGG 79.21 USEFUL LOAD 1,760.

----END-----

JETRONICS, INC. FAA APPROVED REPAIR STATION 2230 HOUSTON, TEXAS 77061



MAKE BEECHCRAFT	OWI	NER	REG. NO. N	333HE		
MODEL_BARON_E55	ATLANTIC ERE	CTORS, INC.	SERIAL NO.TE 1068			
PREPARED BY Janoue	Morean P.O. Box 127	4	DATEJar	nuary 26, 1983		
LEROY E. MCLEAN	Pearland, TX	77581		The state of the s		
Revision of weight removal or installa	& balance data and e tion.	equipment list	, following	equipment		
ITE	М	WEIGHT	ARM	MOMENT		
Aircraft Empty						
INSTALLED:						
Primus 200 Syst	em					
DI 2008		10.6	62	657.2		
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It is the operator's responsibility to determine that the aircraft remains within safe electrical and weight & balance limits. Refer to Flight Manual or data sheets for limitations and loading schedule.

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

Form Approved Budget Bureau No. 04-R060.1

FOR FAA USE ONLY

OFFICE IDENTIFICATION

*	MAKE E 55	است ا	MODEL			
1. AIRCRAFT	SERIAL NO.		NATIONALITY AND REGISTRATION MARK			
•	TE 1068		N 333HE			
	NAME (As shown on registration certificate,		ADDRESS (As shown on regi	stration certificate)		
2. OWNER	Carl Marsh					
		3. FOR FAA USE (ONLY			
		1				
	4. UNIT I	DENTIFICATION		5. TYPE		
UNIT	MAKE	MODEL	SERIAL			
AIRFRAME	•••••••••••••••••••••••(As d	escribed in item 1 o	above)	• X		
POWERPLANT						
PROPELLER	see weight and balance this	grae gor s	ading Apt and addi	rional		
appliance -	MANUFACTURER	me aveter	nes dire the and ap			
		CONFORMITY STAT		megraph 3/		
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Kin	gs Avionics		TIFICATED MECHANIC	estate tale to		
	Richards Rd.	X CERTIFICATED	REPAIR STATION	311-7		
Kan	sas City MO 64116	MANUFACTUR	ER CHIEF SIG			
attachmen	that the repair and/or alteration made to tts hereto have been made in accordance the information furnished herein is true	with the requirem	ients of Part 43 of the U.S. F	described on the reverse or ederal Aviation Regulations		
PATE	3-22-82	Harry	AUTHORIZED INDIVIDUAL. LMonro	2178501		
	7. APPR		TO SERVICE			
Pursuant to t	he authority given persons specified belovator of the Federal Aviation Administration	w, the unit identifon and is API	ied in item 4 was inspected in PROVED REJECTED	the manner prescribed by		
the Administr	ELT. STANDARDS	INSPECTION AUTHO	RIZATION OTHER (Specify)			
the Administr	MANUFACIURER					
FAA F INSPE	DESIGNEE X REPAIR STATION	CANADIAN DEPARTI OF TRANSPORT INS OF AIRCRAFT		ed conformity with the		

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. DESCRIPTION OF WORK ACCOMPLISHED (If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

Installation of a Collins VIR 351, ANS 351, NSD 360A Indicator.

Installation meets requirements of FAA AC 9045A, appendix A, sections 2 and 3.

Installation in accordance with 41.13-1A and 2.

Bench test was conducted in accordance with appendix A, paragraph 3, section C of AC 9045A.

Ground test was conducted in accordance with appendix A, paragraph 3, section C of AC 9045 A.

Aircraft was flight tested and system accuracy was verified to be within requirements of AC 9045A for IFR use enroute and approach categories and placarded accordingly.

See weight and balance this date for loading data and additional information.

ADDITIONAL SHEETS ARE ATTACHED

KINGS AVIONICS, INC. 600 RICHARDS RD.

PHONE (816) 474-4606

KANSAS CITY, MISSOURI 64116

MINOR ALTERATION

WEIGHT & BALANCE AND INSTALLED EQUIPMENT DATA

Date	Make & Model	Registration Number		Serial Number	
3/22/82	E 55	N 333HE	TE 1068		
wner: Ça	arl Marsh			4	
	Item	Weight	Arm	Moment	
	A/C empty weight	3529	79.4	280424	
			75.4	200424	
	Removed:				
	KA 85	- 4.	64	- 256.	
	KI 225	- 2.	66	- 132.	
	Loop ant & cable	- 2.	63	- 126	
	Sense Ant.	- 1.	143	- 143.	
	Wires, plugs	- 2.	65	- 130.	
	KT 76	- 3.	65	- 195.	
	wiring	- 2.	83	- 166	
	KN 65A	- 9.	-3	27	
	KI 266	- 1.	65	- 65	
	wiring	- 1.	51	- 51	
	KMA 20	- 2.	67	- 134	
	wiring	- 1.	71	- 71	
	Installed:				
	AMR 350	1.8	67	120.6	
	ADF 650	6.0	65	390.	
	TDR 950	2.0	65	130.	
	DME 461	5.3	-3	- 15.9	
	IND 451	.9	67	60.3	
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DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

Form Approved Budget Bureau No. 04-R060.1

FOR FAA USE ONLY

OFFICE IDENTIFICATION

	CTIONS: Print or type ctions and disposition	oe all entries. See FAR n of this form.	43.9,	, FAR 43 Appe	ndix B, and	AC 43.9-1 (or s	ubsequent	revision th	iereof)
	MAKE	Seech			MODEL	E55			
1. AIRCRAFT	SERIAL NO.	TE-1068			NATIONALIT	Y AND REGISTE		ARK	
	NAME (As shown o	on registration certificate)			ADDRESS (A	s shown on regist		icate)	
2. OWNER	Rankin, Robert L. 5310 Bitteroot Yakima, Washing					18			
			3. FO	OR FAA USE ON	LY	wasiiingtoi	1 3030	,0	
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									10.00
		4. UNIT I	DENTIF	ICATION				5. 1	ГҮРЕ
UNIT	MA	AKE		MODEL		SERIAL N	10.	REPAIR	ALTER- ATION
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APPLIANCE	MANUFACTURER							a distant	
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Á	. AGENCY'S NAME		CONF	ORMITY STATEM	MENT ID OF AGEN	VCY I	C CEP	TIFICATE	NO
	or over (4) so	ape ou persons pe	70.77.61	U.S. CERTIFICAT	The state of the state of			S 4126	
	lightcraft, In			FOREIGN CERTI	FICATED MECHA	MIC	A1&	and a second	
Active management of the party	505 N.E. Airpo		X	CERTIFICATED R	PRI			2 R1.	The state of the s
P	ortland, Orego	on 97218		MANUFACTURER			LTD R DO	C-3 & LOCK	HEED 16
attachi	nents hereto have be	d/or alteration made t en made in accordance arnished herein is true	with	the requirement	nts of Part 4	3 of the U.S. Fe	deral Aviat		
DATE			SIC	SNATURE OF	AUTHORIZED	INDIVIDUA!.			
M	AY 12 1	4.28 morra car	M	aurice L.	Riemer,	Chief Ins	pector	10.	
	, , , , ,	7. APPR	OVAL	FOR RETURN TO	O SERVICE				
Pursuant the Admir	to the authority given	n persons specified belo al Aviation Administration	w, the	e unit identified is XXAPPI		REJECTED	the manne	r prescrib	ed by
AND REAL PROPERTY OF THE PARTY	AA FLT. STANDARDS NSPECTOR	MANUFACTURER	INSI	PECTION AUTHORI	ZATION	OTHER (Specify)			
F	AA DESIGNEE X	REPAIR STATION	OF	TRANSPORT INSP AIRCRAFT		same confine	g Congos	mily will	u ipa
DATE OF A	PPROVAL OR	CERTIFICATE OR DESIGNATION NO.	SIG	NATURE OF	AUTHORIZED	INDIVIDUAL			cord.
5-10	2-78	ARS412 6	2	nauris h.	Riemer				

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. DESCRIPTION OF WORK ACCOMPLISHED (If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.) Installed Astrotech Quartz chronometer clock, Model CT-2 in pilots instrument panel in accordance with Astrotech Corporation instructions. The time recording lead was wired to the battery side of battery and protected with a 1 amp inline fuse. The display circuit connected to aircraft buss through 1 amp inline fuse. Clock meets requirements of AC20-94, paragraph 4(a) and (b). Installation complies with paragraph 5, parts (a)(b) and (c) and ground and flight tested per part (d) and showed no adverse affecton navigational equipment. Weight change negligible. END

ADDITIONAL SHEETS ARE ATTACHED

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

Form Approved Budget Bureau No. 04-R060.1

FOR FAA USE ONLY
OFFICE IDENTIFICATION

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. MODEL MAKE E55 Beech 1. AIRCRAFT NATIONALITY AND REGISTRATION MARK SERIAL NO. TE-1068 N333RE ADDRESS (As shown on registration certificate) NAME (As shown on registration certificate) 5310 Bitteroot Way 2. OWNER Robert L. Rankin Yakima, Washington 98908 3. FOR FAA USE ONLY 5.4 11 11 - W. I 13 TATE OF STREET 4. UNIT IDENTIFICATION 5. TYPE ALTER-UNIT MAKE MODEL SERIAL NO. REPAIR ATION X AIRFRAME (As described in item 1 above) POWERPLANT **PROPELLER** teration. on complies with FAR43 and AC43.13-2, Chapters APPLIANCE MANUFACTURER with AD Note: 77-16-19, Amendment 59-3002, paragraph 6. CONFORMITY STATEMENT B. KIND OF AGENCY A. AGENCY'S NAME AND ADDRESS C. CERTIFICATE NO. U.S. CERTIFICATED MECHANIC ARS 4126 A18 3 P1 Flightcraft, Inc. FOREIGN CERTIFICATED MECHANIC PR182 . R1,283 7505 N.E. Airport Way CERTIFICATED REPAIR STATION AC1.283 . 11.2.384 Portland, Oregon 97218 MANUFACTURER LTD R DC-3 & LOCKHEED 18 D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge. DATE SIGNATURE OF AUTHORIZED INDIVIDUAL King KN-73 G11 Elmer L. Shrum, Chief Inspector each king KX 7. APPROVAL FOR RETURN TO SERVICE Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is APPROVED REJECTED OTHER (Specify) FAA FLT. STANDARDS MANUFACTURER INSPECTION AUTHORIZATION INSPECTOR BY CANADIAN DEPARTMENT FAA DESIGNEE REPAIR STATION OF TRANSPORT INSPECTOR OF AIRCRAFT CERTIFICATE OR DATE OF APPROVAL OR SIGNATURE OF AUTHORIZED INDIVIDUAL REJECTION DESIGNATION NO. 12-16-77 ARS4126 Kliner L. Show

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. DESCRIPTION OF WORK ACCOMPLISHED (If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

Removed original and/or previously installed avionics equipment: 2 each King KX170B Transceivers, King KI-201C Indicator, King KN-73 Glideslope Receiver, 2 King KA-39 Power Converters and King KN-77 VOR Converter.

Installed in factory radio panel where above panel units removed: 2 each Collins VHF-251 Transceivers, 2 each Collins VIR-351 Nav receivers and Collins INA-351 Indicator.

Installed on nose radio rack where King KA-39 Power Converters removed - 2 each Collins PWC-150 Power Converters.

Installed in nose cone bulkhead Edo-Aire IC775 Nav Flight Adapter to comply with AD Note: 77-16-10, Amendment 39-3002, paragraph (c).

Installation complies with FAR43 and AC43.13-2, Chapters 1, 2 and 3. Weight and balance and equipment list revised to show above alteration.

END

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Robert	. Rankin	5310 Bitteroot Way Yakima, Washington 98908
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	ADDITIONAL SHEETS	S ARE ATTACHED
	Charles I	★1975-G.P.O1703-M/673-200/175

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

Form Approved Budget Bureau No. 04-R060.1

FOR FAA USE ONLY
OFFICE IDENTIFICATION

	MAKE			HODEL			
	MAKE	Beech		MODEL	E55		
1. AIRCRAFT	SERIAL NO.		NATIONALITY AND REGISTRATION			MARK	
		TE-1068			N333RE		
	NAME (As shown or	n registration certificate)		ADDRESS (A	As shown on registration ce	ertificate)	
2. OWNER	Robert L.	Rankin			itteroot Way		
			0 500 51	Yakima	, Wa. 98908		2
		1	3. FUR FAI	USE ONLY			
		4. UNIT IC	ENTIFICATI	ON		5. 1	ГҮРЕ
UNIT	MAI	KE		MODEL	SERIAL NO.	REPAIR	ALTER
						NEI AIN	ATION
AIRFRAME	*******	•••••••• (As de	escribed in	item 1 above)	*******		X
		(7.5	Joen Dea III	nem i decrejectore			
POWERPLANT							
PROPELLER							
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A. F1	AGENCY'S NAME A	Inc.	U.S.	B. KIND OF AGE		ARS 4126	NO.
A. F1 75	AGENCY'S NAME A ightcraft, 05 N.E. Air	Inc. port Way	U.S. FORE	B. KIND OF AGE CERTIFICATED MECHANIC IGN CERTIFICATED MECH	ANIC A1	ARS 4126 8 3 • P1 182 • R1,2	&3
F1 75	AGENCY'S NAME A	Inc. port Way	U.S. FORE X CERT	B. KIND OF AGE	ANIC A1	ARS 4126 8 3 • P1 182 • R1,26 1,283 • 11,2.3	8:3
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A. F1 75 Po D. I certify attachme and that	agency's NAME A ightcraft, 05 N.E. Air rtland, Or.	AND ADDRESS Inc. port Way 97218 d/or alteration made to made in accordance rnished herein is true	U.S. FORE X CERT MAN the unit	B. KIND OF AGE CERTIFICATED MECHANIC IGN CERTIFICATED MECH. IFICATED REPAIR STATION UFACTURER (s) identified in item equirements of Part	ANIC A11 PRI ACT LTD R 1 4 above and described 13 of the U.S. Federal A	ARS 4126 3 - P1 1&2 : R1,2. 1,2&3 : 11,2.3 DG-3 & LOCK* on the reve	&3 8&4 EED 18
A. F1 75 Po D. I certify attachme and that	agency's NAME A ightcraft, 05 N.E. Air rtland, Or.	AND ADDRESS Inc. Port Way 97218 d/or alteration made to made in accordance rnished herein is true	U.S. FORE X CERT MAN o the unit with the reand correct	B. KIND OF AGE CERTIFICATED MECHANIC IGN CERTIFICATED MECH. IFICATED REPAIR STATION UFACTURER (s) identified in item equirements of Part	ANIC A11 PRI ACT LTD R 1 4 above and described A13 of the U.S. Federal A10 nowledge.	ARS 4126 & 3 P1 182 R1,2.3 DG-3 & LOCK*1 on the reveviation Regu	&3 8&4 EED 18 erse or lations
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A. F1 75 Po D. I certify attachme and that DATE 10	agency's NAME A ightcraft, 05 N.E. Air rtland, Or. that the repair and ents hereto have been the information fur -5-76	AND ADDRESS Inc. Port Way 97218 door alteration made to made in accordance rnished herein is true a	V.S. FORE X CERT MAN The unit with the reand correct SIGNATU E1 me DVAL FOR I	B. KIND OF AGE CERTIFICATED MECHANIC IGN CERTIFICATED MECHANIC IFICATED REPAIR STATION UFACTURER (s) identified in item equirements of Part to the best of my k JRE OF AUTHORIZED T. L. Shrum, METURN TO SERVICE	ANIC A1 PRI AC LTD R A 4 above and described 43 of the U.S. Federal A nowledge. D INDIVIDUAL Chief Inspec	ARS 4126 & 3 • P1 82 • R1,2. ,283 • 11,2.3 DC-3 & LOCK* on the reversation Regulation Regul	8.3 8.4 erse or lations

DATE OF APPROVAL OR

REJECTION

FAA DESIGNEE

10-5-76

REPAIR STATION

CERTIFICATE OR

DESIGNATION NO.

ARS4126

OF AIRCRAFT

CANADIAN DEPARTMENT

OF TRANSPORT INSPECTOR

SIGNATURE OF AUTHORIZED INDIVIDUAL

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. DESCRIPTION	ON OF WORK ACCOMP	LISHED (If more space is required,	attach additio	nal sheets. Ident	ify with air-
		istration mark and date work co			
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ADDITIONAL SHEETS ARE ATTACHED

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

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MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

Form Approved Budget Bureau No. 04-R060.1

FOR FAA USE ONLY

OFFICE IDENTIFICATION

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. MAKE MODEL Beech E55 1. AIRCRAFT SERIAL NO. NATIONALITY AND REGISTRATION MARK TE-1068 N333RE ADDRESS (As shown on registration certificate) NAME (As shown on registration certificate) 2. OWNER 5310 Bitteroot Way obert L. Rankin Yakima, Wa. 98908 3. FOR FAA USE ONLY 18 1 7 m 4. UNIT IDENTIFICATION 5. TYPE ALTER-IINIT MAKE MODEL SERIAL NO REPAIR ATION AIRFRAME X POWERPLANT **PROPELLER** TYPE APPLIANCE MANUFACTURER 6. CONFORMITY STATEMENT A. AGENCY'S NAME AND ADDRESS B. KIND OF AGENCY C. CERTIFICATE NO U.S. CERTIFICATED MECHANIC Flighteraft, Inc. 7505 N.E. Airport Way ARS 4126 FOREIGN CERTIFICATED MECHANIC A1&3 . P1. PR1&2 . R1&2 3 CERTIFICATED REPAIR STATION Portland, Oregon 97218 AC 1. 2 & 3 . 11, 2, 3 & 4 LTD R DC-3 & LOCKHEED 18 MANUFACTURER D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge. SIGNATURE OF AUTHORIZED INDIVIDUAL.

Elmer L. Shrum, Chief Inspect DATE 7-28-76 sallation tested Chief Inspector. 7. APPROVAL FOR RETURN TO SERVICE Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is APPROVED REJECTED OTHER (Specify) FAA FLT. STANDARDS MANUFACTURER INSPECTION AUTHORIZATION INSPECTOR BY CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR FAA DESIGNEE REPAIR STATION OF AIRCRAFT DATE OF APPROVAL OR SIGNATURE OF AUTHORIZED INDIVIDUAL CERTIFICATE OR REJECTION DESIGNATION NO. 7-28-76 ARS4126

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Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

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Run: 05/11/2001 9:21AM

Peninsula Avionics, Inc. Aircraft Weight & Balance Report FAA CRS QριR337 K

Page: 1

Aircraft: N333HE

Type: BEECH Model: E55

S/N: TE1068

Prior Empty Weight: Prior Longitudinal Moment: Prior Lateral Moment: Prior Useful Load:

3,556.7 282,010.8 0.0

As Of: 01/13/1999 Arm: 79.29 Arm: 0.00

1,743.3

Batte Removed.				Longitudinal		Lateral	
Date	Description	Weight	Arm	Moment	Arm	Moment	
05/11/2001		7.60	61.00	463.6	0.00	0.0	
05/11/2001	2ea COLLINS VIR 351NAV	6.20	61.00	378.2	0.00	0.0	
05/11/2001	COLLINS GLS 350 GLIDESLOPE RX	2.00	-8.00	-16.0	0.00	0.0	
05/11/2001	THE THE TOUR WIN CONVENTERS	3.00	-14.00	-42.0	0.00	0.0	
05/11/2001	COLLINS AMR-350 AUDIO	1.50	63.00	94.5	0.00	0.0	
05/11/2001	SKYFORCE SKYMAP GPS IIIC	3.00	66.00	198.0	0.00	0.0	
	Total of Items Removed:	23.30	00.00	-1.076.3	0.00	0.0	

Items	Instal	led

			Lon	gitudinal	La	iteral
Date [Description	Weight	Arm	• Moment	Arm	Moment
05/11/2001	GARMIN GTX 327 TRANSPONDER	2.10	62.00	130.2	0.00	0.0
05/11/2001		6.60	61.00	402.6	0.00	0.0
	TRANS CAL SSD120-30-RS232 ENCODER	0.80	-8.00	-6.4	0.00	0.0
	GARMIN GMA 340 AUDIO	1.60	63.00	100.8	0.00	0.0
	SKYWATCH ANT NY164	2.30	108.00	248.4	0.00	0.0
	The second of th	8.50	61.00	518.5	0.00	0.0
	GARMIN GPS ANT GA 56	0.40	108.00	43.2	0.00	0.0
05/11/2001	SKYWATCH TRC-497	9.82	-15.00	-147.3	0.00	0.0
	Total of Items Installed:	32.12		1,290.0	0.00	0.0

New Final Figures:

Useful Load:

Weight: 3,565.5 **Longitudinal Moment:** Lateral Moment:

282,224.5 Arm: 79.15 0.0 Arm:

NSPECTOR QPIR337K