WEIGHT & BALANCE

SECTION V

WEIGHT AND BALANCE

TABLE OF CONTENTS

10-17-75
TE-1068
N333RE

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.

2. 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.

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)
1. 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.

**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

GALS	WEIGHT	100 GAL	136 GAL	166 GAL
		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		539	539
120	720		590	590
130	780		641	641
136	816		671	
140	840			692
150	900			743
160	960			793
166	996			824

OCCUPANTS					
WEIGHT	FRONT SEATS		CENTER SEATS		5TH & 6TH SEATS
	FWD. POSITION ARM 85	AFT POSITION ARM 89	FWD. POSITION ARM 121	AFT POSITION ARM 127	ARM 152
	MOMENT/100				
120	102	107	145	152	182
130	110	116	157	165	198
140	119	125	169	178	213
150	128	134	182	190	228
160	136	142	194	203	243
170	144	151	206	216	258
180	153	160	218	229	274
190	162	169	230	241	289
200	170	178	242	254	304

NOTE: Occupant Positions for Adjustable Seats are shown at their extreme positions. Intermediate Positions will require interpolation of the Moment/100 Values.

USEFUL LOAD WEIGHTS AND MOMENTS

OCCUPANTS

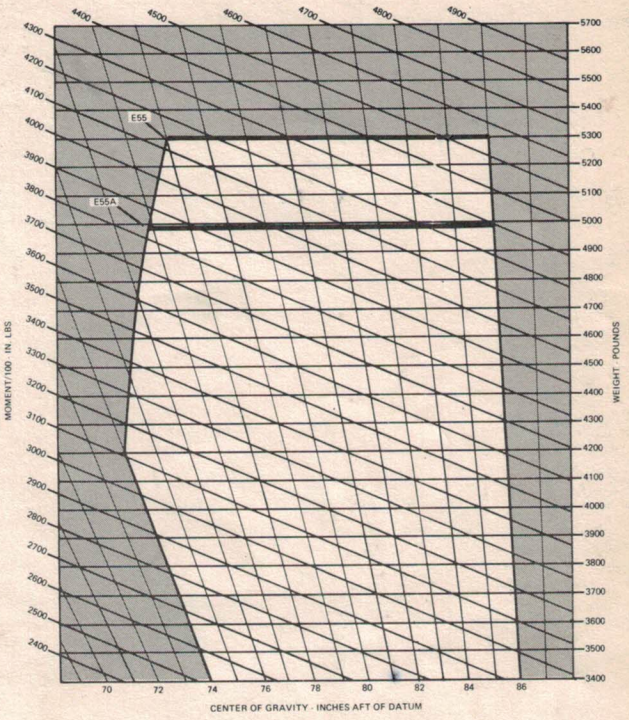
WEIGHT	PILOT OR CO-PILOT ARM 85	CENTER SEATS		5TH & 6TH SEATS ARM 150
		FWD. POSITION ARM 121	AFT POSITION ARM 136	
	MOMENT/100			
120	102	145	163	180
130	111	157	177	195
140	119	169	190	210
150	128	182	204	225
160	136	194	218	240
170	145	206	231	255
180	153	218	245	270
190	162	230	258	285
200	170	242	272	300

(THRU TE-1064)

USEFUL LOAD WEIGHTS AND MOMENTS

BAGGAGE				CARGO	
WEIGHT	FORWARD ARM 25	REAR FS 131 TO 170 ARM 150	REAR FS 170 TO 190 ARM 180	FWD. OF SPAR (CENTER SEATS REMOVED) ARM 108	AFT OF SPAR (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		205	276
200	50	300		216	290
210	53	315			305
220	55	330			319
230	58	345			334
240	60	360			348
250	63	375			363
260	65	390			377
270	68	405			392
280	70	420			406
290	73	435			421
300	75	450			435
310		465			450
320		480			464
330		495			479
340		510			493
350		525			508
360		540			522
370		555			537
380		570			551
390		585			566
400		600			580

GROSS WEIGHT MOMENT LIMITS



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 OR LANDING)	78.0	86.0
4200 LBS OR LESS	74.0	86.0

E55A

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

E55-601-79

Beechcraft BARON®
EQUIPMENT LIST

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

STATUS OF EQUIPMENT: X = Installed in Airplane O = 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
*	o	10. Two Hartzell Constant-Speed, Full Feathering 3-Bladed Propellers (Per STC SA773CE) (b) Hubs: PHC-C3YF-2F (1) 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
		101. Fuel Pumps		
	x	(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
		102. Two Oil Radiators		
	x	(d) CMC 633288, 633277, 634063 or 635996	7 ea	53
		103. Two Carburetor Air Cleaners		
	x	(c) Air Maze 121128-2	1 ea	65

Beechcraft BARON®
EQUIPMENT LIST

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

STATUS OF EQUIPMENT: X = Installed in Airplane **O = Not Installed in Airplane**

	ITEM	WEIGHT	ARM
	104. Two Pressure Pumps		
x	(f) Airborne Mechanisms		
	242CW	2 ea	56
o	442CW-12	3 ea	56
	105. Two Starters		
x	(b) 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
o	116. 136-Gallon Fuel System (Exchange for Standard)	+5	184
	201. Two Main Wheel-Brake Assemblies		
x	(e) Cleveland - Wheel Assembly 40-98	10 ea	96
	- Brake Assembly 30-66	4 ea	97
x	202. (a) Two Main Wheel 6-ply or 8-ply Tires, 6.50-8 with Regular Tubes	13 ea	96
	205. One Nose Wheel 5.00-5, Type III		
x	(f) Wheel Assembly Cleveland 40-87	3 ea	0
x	206. (a) One Nose Wheel 6-ply Rating Tire, 5.00-5, with Regular Tube	6 ea	0
o	210. Co-Pilot's Brakes	4	54

Beechcraft BARON®
EQUIPMENT LIST

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

STATUS OF EQUIPMENT: X = Installed in Airplane **O = Not Installed in Airplane**

	ITEM	WEIGHT	ARM
x	301. Generators (m) 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	302. Battery (d) One 24 Volt, 17-Amp-Hr. (Beech 118654) or	30	20
x	(e) Two 12 Volt, 25-Amp-Hr. (Beech 58-380056-1)	21 ea	20
x	303. Two Landing Lights (d) GE4596 (Wing Tip)	1 ea	81
x	401. DOA Approved Airplane Flight Manual (uu) AFM P/N 96-590010-9 dated 9-10-73 (latest revision)	-	-
x	402. Heater Installation (i) Beech 58-550021 Series	38	-1
o	404. T-Type Dual Control Column (e) 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) (d) Use with Propeller Item 10 (a) (1), or 10 (b) (1)	31	25

Beechcraft BARON®
EQUIPMENT LIST

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

STATUS OF EQUIPMENT: X = Installed in Airplane **O = Not Installed in Airplane**

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

Beechcraft BARON®

EQUIPMENT LIST

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

STATUS OF EQUIPMENT: X = Installed in Airplane O = Not Installed in Airplane

		ITEM	WEIGHT	ARM
*	o	610. Area Navigation Equipment (Per Applicable Beech Drawings) AFMS P/N 96-590011-5 dated September 8, 1972 or later.	-	-
	x	Emergency Locator Transmitter	3	227
		SPECIAL EQUIPMENT		
	x	Flight Hour Recorder	1	68
	o	Engine Hour Recorder	1	68
	x	Dual Tachometer w/Synchroscope (Exchange)	Negl.	-
	x	Alcor Exhaust Temperature Gauge	2	68
	o	Control Wheel Clock (Chrono) (Exchange)	Negl.	-
	x	Steerable Nose Wheel Light	1	-1
	x	Wing Ice Lights	1	68
	x	Alternate Static Air Source	Negl.	-
	x	Rotating Beacon - Top	Negl.	-
	o	Rotating Beacon - Lower	2	112
	x	External Power Receptacle	3	77
	o	Headrests	1 ea	Var.
	o	Shoulder Harness - Pilot and Copilot	2	112
	x	Enlarged Baggage Door	9	158
	x	Windshield Anti-Icer (LH) (Alcohol)	1	50
	x	Strobe Light Installation (Grimes 3-Light System)	10	139
	o	Propeller Synchronizer Installation per Beech Drawing 58-960011	2	51

Beechcraft BARON®
EQUIPMENT LIST

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

STATUS OF EQUIPMENT: X = Installed in Airplane 0 = Not Installed in Airplane

		ITEM	WEIGHT	ARM
		AUTOPILOTS AND FLIGHT DIRECTORS		
		Edo-Aire Mitchell Autopilot w/Exchange Gyros:		
*	o	Century III (AK450) (STC SA1777SW) AFMS P/N 68S149	23	122
*	x	Century IV (AK446) (STC SA1808SW) AFMS P/N 68S159	30	107
*	o	Century IV w/FD (AK446FD) (STC SA1808SW) AFMS 68S159	31	105
		AVIONICS		
		King KX-170B Comm/Nav (Dual)		
	x	KX-170B Transceiver (2)	14	61
	x	KA-39 Voltage Regulator and Mount (2)	2	-11
	x	KI-214 Indicator	3	65
	x	KI-201C Indicator	3	65
	x	Beech B-6 Antenna and Coax	2	94
	x	Beech B-6 Antenna and Coax	2	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

Beechcraft BARON®
EQUIPMENT LIST

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

STATUS OF EQUIPMENT: X = Installed in Airplane 0 = Not Installed in Airplane

	ITEM	WEIGHT	ARM
	King KR-85 ADF		
x	KR-85 Receiver	4	64
x	KI-225 Indicator	2	66
x	Loop Antenna and Coax	2	63
x	Sense Antenna and Cable	1	143
x	Wiring, Plugs, etc.	2	65
	King KT-76 Transponder		
x	KT-76 Transponder	3	65
x	Beech B-18 Antenna and Coax	3	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	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	193
x	Wiring, Plugs, etc.	1	71

Beechcraft BARON®

AIRCRAFT BASIC EMPTY WEIGHT AND BALANCE

DATE 10-17-75 AIRCRAFT SERIAL NO. TE-1068

MODEL E55 REGISTRATION NO. N333RE

STRUT POSITION	NOSE	MAIN
EXTENDED	-0.2	96
COMPRESSED	1.0	97

JACK POINT LOCATION
FORWARD 83.1
AFT 271.0

PREPARED BY: M J Eulert

REACTION ~~XXXXX~~ - JACK POINTS	SCALE READING	TARE	NET WEIGHT	ARM	MOMENT
LEFT MAIN	1705	-	1705	-	
RIGHT MAIN	1733	-	1733	-	
SUB TOTAL	3438	-	3438	83.1	285698
~~XXXXXXX~~ TAIL	163	206	-43	271.0	-11653
TOTAL (AS WEIGHED)	3601	206	3395		274045

SPACE BELOW PROVIDED FOR ADDITIONS AND SUBTRACTIONS TO AS WEIGHED CONDITION

Add: Anti-Icer Fluid (3 Gallons)	22	21	462
EMPTY WEIGHT	3417	80.3	274507
ENGINE OIL	45	43	1935
UNUSABLE FUEL	36	79	2844
BASIC EMPTY WEIGHT Actual	3498	79.8	279286

SUPERCEDED
SEE [illegible] BALANCE SECTION AIRPLANE
FLIGHT MANUAL FOR CURRENT DATA.
Date 10-5-76 Signed [signature]
FLIGHTCRAFT, INC. ARS 4126

90-35896

Beechcraft

WEIGHT AND BALANCE LOADING FORM

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

ITEM	WEIGHT	MOM/100		WEIGHT	MOM/100
BASIC EMPTY CONDITION	3498	2793		3532	280.552.1
FRONT SEAT OCCUPANTS	340	290			
3rd & 4th SEAT OCCUPANTS	340	412			
5th & 6th SEAT OCCUPANTS	150	228			
BAGGAGE	-	-			
BAGGAGE	-	-			
CARGO	-	-			
SUB TOTAL ZERO FUEL CONDITION	4328	3723			
FUEL LOADING (166 Gal.)	996	824			
SUB TOTAL RAMP CONDITION	5324	4547			
*LESS FUEL FOR START, TAXI, AND TAKE-OFF	-24	-20			
SUB TOTAL TAKE-OFF CONDITION	5300	4527			
LESS FUEL TO DESTINATION (142 Gal.)	-852	-712			
LANDING CONDITION	4448	3815			

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

N333RE S/N TE-1068

Flightcraft, Inc. ARS4126
Date Dec. 16, 1977

Signature Elmer L. Thum

ITEM		WEIGHT	ARM	MOMENT
Aircraft		3532.0	79.4	280552.1
2 King KX170B Transceivers	Removed	-14.0	61.	-854.0
King KN-201C Indicator	Removed	-3.0	65.	-195.0
King KN-73 GS Receiver	Removed	-2.5	-8.	20.0
2 King KA-39 Power Converters	Removed	-2.0	-11.	22.0
King KN-77 VOR Converter	Removed	-2.2	-8.	17.6
Collins VHF-251 #1 Transceiver	Installed	3.8	61.	231.8
Collins VHF-251 #2 Transceiver		3.8	61.	231.8
Collins VIR-351 #1 Receiver		3.1	61.	189.1
Collins VIR-351 #2 Receiver		3.1	61.	189.1
Collins GLS Glideslope Receiver		2.0	-8.	-16.0
Collins INA-351 Indicator		1.3	65.	84.5
Collins PWC-150 Power Converter		1.5	-14.	-21.0
Collins PWC-150 Power Converter		1.5	-14.	-21.0
Edo-Aire IC775 Nav Flight Adapter		.7	-1.	-7.0
		3529.0	79.4	280424.0

Crew Missing.

WEIGHT AND BALANCE

Aircraft	Model	Serial #	Registration #	W.O. #	Date
Beech	E-55	TE 1068	N 333HE		8/30/87

Name: WILD LIFE RESEARCH FUND

Address: 2065 Boston Post Road.

City: LARCHMONT State: N.Y. Zip Code: 10538

Description of work accomplished	Weight	Arm	Moment
Aircraft Weight and Balance as received	3540	19.21	280401.4
3M WX12	4.	62	248
	3.	160	480
R-21 Loran	6.	62	372
King KRA-10	2.	62	128
Fuel Flow	4.	127	508
Computer	2.	62	124
EGT Elect. Int'l	1	62	62
Removed EGT Beech	- 1.	62	- 62

Superceded 1-13-99 Treasure Coast Avionics

Category	Empty Wt. (lbs)	Empty Arm	Moment (in lbs)	Useful load lbs
Normal	356.3	79.25	282385.4	1737

Northeastern Aviation Inc.
70 Airport Road
Westerly, RI 02891
FAA Repair Station #E13-12
401-596-0735

The above installations were made in accordance with 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: N333HE
Make/Model: Beech E55
Year:
Serial Number: TE1068

Date: 01-13-1999
Tach:
Max Weight: 5300
Work Order: 3798

New A/C Empty Weight:	3556.7	Landing C.G. Range:	
New A/C Empty C.G.:	79.29	Gear Extended C.G. Range:	
New A/C Useful Load:	1743.3	Empty Weight C.G. Range:	

Description	Serial Number	Weight	Arm	Moment	Installed	Removed
Previous Aircraft Empty	TE1068	3563.0	79.25	282367.8	n/a	n/a
Removed						
ARNAV R-21 Loran		6.00	62.00	372.0		X
Collins ANS-351		3.80	65.00	247.0		X
Installed						
Skyforce Skymap IIIC		3.00	66.00	198.0	X	
Garmin GA-56 GPS Antenna		0.50	114.00	57.0	X	
New Aircraft Values		3556.7	79.29	282003.8		

Superceded 5-11-01

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).

1. Aircraft	Make: **Beechcraft**	Model: **E-55**
	Serial No.: **TE1068**	Nationality and Registration Mark: **N333HE**
2. Owner	Name *(As shown on registration certificate)*: **Wildlife Research Fund Inc**	Address *(As shown on registration certificate)*: **2065 Boston Post Rd Larchmont, NY 10538**

3. For FAA Use Only

4. Unit Identification / **5. Type**

Unit	Make	Model	Serial No.	5. Repair	5. Alteration
AIRFRAME	*(As described in item 1 above)*				X
POWERPLANT					
PROPELLER					
APPLIANCE	Type / Manufacturer				

6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency		C. Certificate No.
Treasure Coast Avionics **2974 Aviation Way** **Ft. Pierce, FL 34946**		U.S. Certificated Mechanic	**YHLR983K**
		Foreign Certificated Mechanic	
	X	Certificated Repair Station	
		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
01-13-1999	Terrence W. Forbes

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

BY							
		FAA Flt. Standards Inspector		Manufacturer		Inspection Authorization	Other (Specify)
		FAA Designee	X	Repair Station		Person Approved by Transport Canadian Airworthiness Group	

Date of Approval or Rejection	Certificate or Designation No.	Signature of Authorized Individual
01/13/99	**YHLR983K**	Terrence W. Forbes

FAA Form 337 (12-88)

NOTICE

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 ARNAV R-21 Loran and Collins ANS-351 from radio stack. Installed Skyforce Skymap IIIC GPS in radio stack. Installed Garmin 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 & 3, AC 43.13-1A, Chapter 5, Section 1, Chapter 11, Sections 2,3,4,7 and Chapter 13, and in complianace 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 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----

----------E N D----------

☐ Additional Sheets Are Attached

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

FAA CRS, YHLR983K

New A/C Empty Weight:	3556.7	Landing C.G. Range:	
New A/C Empty C.G.:	79.29	Gear Extended C.G. Range:	
New A/C Useful Load:	1743.3	Empty Weight C.G. Range:	

Description	Serial Number	Weight	Arm	Moment	Installed	Removed
Previous Aircraft Empty	TE1068	3563.0	79.25	282367.8	n/a	n/a
Removed						
ARNAV R-21 Loran		6.00	62.00	372.0		X
Collins ANS-351		3.80	65.00	247.0		X
Installed						
Skyforce Skymap IIIC		3.00	66.00	198.0	X	
Garmin GA-56 GPS Antenna		0.50	114.00	57.0	X	
New Aircraft Values		3556.7	79.29	282003.8		

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.

1. AIRCRAFT

MAKE	MODEL
Beech	E 55
SERIAL NO.	**NATIONALITY AND REGISTRATION MARK**
TE 1068	N 333RE

2. OWNER

NAME (As shown on registration certificate)	ADDRESS (As shown on registration certificate)
Wild Life Research Fund	2065 Boston Post Road Larchmont, NY 10538

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION / **5. TYPE**

UNIT	MAKE	MODEL	SERIAL NO.	5. TYPE: REPAIR	5. TYPE: ALTERATION
AIRFRAME	•••••••••• (As described in item 1 above) ••••••••••				X
POWERPLANT					
PROPELLER					
APPLIANCE	TYPE				
	MANUFACTURER				

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
Northeastern Aviation, Inc. 70 Airport Road PO Box 713 Westerly, RI 02891-0713	U.S. CERTIFICATED MECHANIC FOREIGN CERTIFICATED MECHANIC X CERTIFICATED REPAIR STATION MANUFACTURER	E13-12

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
8/20/87	Gerard A Goguen

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

BY							
		FAA FLT. STANDARDS INSPECTOR		MANUFACTURER		INSPECTION AUTHORIZATION	OTHER (Specify)
		FAA DESIGNEE	X	REPAIR STATION		CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	

DATE OF APPROVAL OR REJECTION	CERTIFICATE OR DESIGNATION NO.	SIGNATURE OF AUTHORIZED INDIVIDUAL
8/20/87	E13-12	Gerard A Goguen

FAA Form 337 (7-67) (8320)

NOTICE

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.)*

1. Installed the following Avionics: 3M WX-12 Stormscope. ARNAV-R-21 Loran. King KRA 10 Radar Altimeter. Hoskins Fuel Flow Computer model 2000 and Electron Int EGT.

2. Installation performed in accordance to AC43.13-1A chapter 15 section 1 thru 6 and AC43.13-2A chapter 2 and 3 and AC20-121 section 6 paragraph A. Stormscope installed MFG. installation instruction WX-10-056 and Hoskins Fuel Flow installed as per Hoskins installation data supplied and STC SA 4050WE. King KRA 10 installed as per King installation instruction KRA 10 007.

3. Aircraft placarded for VFR us only of Loran C.

4. Aircraft weight and balance data revised.

end

☐ ADDITIONAL SHEETS ARE ATTACHED

U.S. GPO 1981-775-332 47

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.

1. AIRCRAFT	MAKE: Beechcraft	MODEL: Baron E55
	SERIAL NO.: TE 1068	NATIONALITY AND REGISTRATION MARK: N333HE
2. OWNER	NAME (As shown on registration certificate): ATLANTIC ERECTORS, INC.	ADDRESS (As shown on registration certificate): P.O. Box 1274 Pearland, Tx 77581

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION				5. TYPE	
UNIT	MAKE	MODEL	SERIAL NO.	REPAIR	ALTERATION
AIRFRAME	(As described in item 1 above)				X
POWERPLANT					
PROPELLER					
APPLIANCE	TYPE / MANUFACTURER				

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
HOUSTON JETRONICS, INC. 8249 TRAVELAIR HOUSTON, TX 77061	[ ] U.S. CERTIFICATED MECHANIC [ ] FOREIGN CERTIFICATED MECHANIC [X] CERTIFICATED REPAIR STATION [ ] MANUFACTURER	FAA 2230 1754308

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	Lenny E McLean

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

BY						OTHER (Specify)
	[ ] FAA FLT. STANDARDS INSPECTOR		[ ] MANUFACTURER		[ ] INSPECTION AUTHORIZATION	
	[ ] FAA DESIGNEE	[X]	[ ] REPAIR STATION		[ ] CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	

DATE OF APPROVAL OR REJECTION	CERTIFICATE OR DESIGNATION NO.	SIGNATURE OF AUTHORIZED INDIVIDUAL
January 26, 1983	1754308	Lenny E McLean

NOTICE

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 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----------

☐ ADDITIONAL SHEETS ARE ATTACHED

☆ U.S. GPO: 1981 - 775-332/47

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

JETRONICS INC. FAA REPAIR STATION #2230

MAKE BEECHCRAFT OWNER REG. NO. N333HE

MODEL BARON E55 ATLANTIC ERECTORS, INC. SERIAL NO. TE 1068

PREPARED BY Leroy E. McLean P.O. Box 1274 DATE January 26, 1983
Pearland, TX 77581

LEROY E. McLEAN

Revision of weight & balance data and equipment list, following equipment removal or installation.

ITEM	WEIGHT	ARM	MOMENT
Aircraft Empty			
INSTALLED:			
Primus 200 System			
DI 2008	10.6	62	657.2
RTA 1003	10.0	-21	-210.
GROSS WEIGHT	5300		
NEW EMPTY WEIGHT	3540	79.21	280401.4

Gross Wt. 5300

Useful Load 1760

Generator Capacity _____ Amps.
Continuous Duty Electrical Load is _____ Amps.

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

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.

1. AIRCRAFT	MAKE: E 55	MODEL: Baron
	SERIAL NO.: TE 1068	NATIONALITY AND REGISTRATION MARK: N 333HE
2. OWNER	NAME (As shown on registration certificate): Carl Marsh	ADDRESS (As shown on registration certificate):

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION / 5. TYPE

UNIT	MAKE	MODEL	SERIAL NO.	5. TYPE: REPAIR	5. TYPE: ALTERATION
AIRFRAME	◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆ (As described in item 1 above) ◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆				X
POWERPLANT					
PROPELLER					
APPLIANCE	TYPE / MANUFACTURER				

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY		C. CERTIFICATE NO.
Kings Avionics 600 Richards Rd. Kansas City MO 64116		U.S. CERTIFICATED MECHANIC	311-7
		FOREIGN CERTIFICATED MECHANIC	
	X	CERTIFICATED REPAIR STATION	
		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
3-22-82	Gary L Mowe 2178501

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

BY						
	FAA FLT. STANDARDS INSPECTOR		MANUFACTURER		INSPECTION AUTHORIZATION	OTHER (Specify)
	FAA DESIGNEE	X	REPAIR STATION		CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	

DATE OF APPROVAL OR REJECTION	CERTIFICATE OR DESIGNATION NO.	SIGNATURE OF AUTHORIZED INDIVIDUAL
3-22-82	311-7	Gary L Mowe 2178501

☆ U.S. Government Printing Office 1977—772-646/141

NOTICE

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

Owner: Carl Marsh

Item	Weight	Arm	Moment
A/C empty weight	3529	79.4	280424
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
Switch Box	.6	67	40.2
ANS 351	3.8	65	247.
	3519.4		279954.2

Superseded 1/26/83 Leroy E McLean see log this date (also 337)

Gross Weight	=	5300
Empty Weight	=	3519.4
Useful Load	=	1780.6
C. G. (Arm)	=	79.54

Signature of Authorized Individual
Gary L Monie 2178501

KINGS AVIONICS, INC.
Repair #311-7

Burns Pub. Co., Olathe, Kans.

"SPECIALIZED AVIONICS SERVICE"

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.

1. AIRCRAFT	MAKE: Beech	MODEL: E55
	SERIAL NO.: TE-1068	NATIONALITY AND REGISTRATION MARK: N333RE
2. OWNER	NAME (*As shown on registration certificate*): Rankin, Robert L.	ADDRESS (*As shown on registration certificate*): 5310 Bitteroot Way Yakima, Washington 98908

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION / 5. TYPE

UNIT	MAKE	MODEL	SERIAL NO.	5. TYPE: REPAIR	5. TYPE: ALTERATION
AIRFRAME	◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆ (As described in item 1 above) ◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆				X
POWERPLANT					
PROPELLER					
APPLIANCE	TYPE				
	MANUFACTURER				

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
Flightcraft, Inc. 7505 N.E. Airport Way Portland, Oregon 97218	U.S. CERTIFICATED MECHANIC FOREIGN CERTIFICATED MECHANIC X CERTIFICATED REPAIR STATION MANUFACTURER	ARS 4126 A1& 3 • P1 PR1&2 • R1,2&3 AC1,2&3 • I1,2,3&4 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
MAY 12, 1978	Maurice L. Riemer Maurice L. Riemer, 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 [XX] APPROVED [ ] REJECTED

BY							OTHER (*Specify*)
		FAA FLT. STANDARDS INSPECTOR		MANUFACTURER		INSPECTION AUTHORIZATION	
		FAA DESIGNEE	X	REPAIR STATION		CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	

DATE OF APPROVAL OR REJECTION	CERTIFICATE OR DESIGNATION NO.	SIGNATURE OF AUTHORIZED INDIVIDUAL
5-12-78	ARS4126	Maurice L. Riemer

NOTICE

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.

1. AIRCRAFT	MAKE: Beech	MODEL: E55
	SERIAL NO.: TE-1068	NATIONALITY AND REGISTRATION MARK: N333RE
2. OWNER	NAME (As shown on registration certificate): Robert L. Rankin	ADDRESS (As shown on registration certificate): 5310 Bitteroot Way Yakima, Washington 98908

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION / 5. TYPE

UNIT	MAKE	MODEL	SERIAL NO.	5. TYPE: REPAIR	5. TYPE: ALTERATION
AIRFRAME	◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆ (As described in item 1 above) ◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆				X
POWERPLANT					
PROPELLER					
APPLIANCE	TYPE				
	MANUFACTURER				

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY		C. CERTIFICATE NO.
Flightcraft, Inc. 7505 N.E. Airport Way Portland, Oregon 97218		U.S. CERTIFICATED MECHANIC	ARS 4126 A1 & 3 • P1 PR1&2 • R1,2&3 AC1,2&3 • I1,2,3&4 LTD R DC-3 & LOCKHEED 18
		FOREIGN CERTIFICATED MECHANIC	
	X	CERTIFICATED REPAIR STATION	
		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
Dec. 16, 1977	Elmer L. Shrum, 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 [X] APPROVED [ ] REJECTED

BY						OTHER (Specify)
		FAA FLT. STANDARDS INSPECTOR		MANUFACTURER	INSPECTION AUTHORIZATION	
		FAA DESIGNEE	X	REPAIR STATION	CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	

DATE OF APPROVAL OR REJECTION	CERTIFICATE OR DESIGNATION NO.	SIGNATURE OF AUTHORIZED INDIVIDUAL
12-16-77	ARS4126	Elmer L. Shrum

FAA Form 337 (7-67) (8320)

NOTICE

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

☐ ADDITIONAL SHEETS ARE ATTACHED

★1975-G.P.O.-1703-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

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.

1. AIRCRAFT	MAKE: Beech	MODEL: E55
	SERIAL NO.: TE-1068	NATIONALITY AND REGISTRATION MARK: N333RE
2. OWNER	NAME *(As shown on registration certificate)*: Robert L. Rankin	ADDRESS *(As shown on registration certificate)*: 5310 Bitteroot Way Yakima, Wa. 98908

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION				5. TYPE	
UNIT	MAKE	MODEL	SERIAL NO.	REPAIR	ALTER-ATION
AIRFRAME	◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆ *(As described in item 1 above)* ◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆				X
POWERPLANT					
PROPELLER					
APPLIANCE	TYPE				
	MANUFACTURER				

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
Flightcraft, Inc. 7505 N.E. Airport Way Portland, Or. 97218	[ ] U.S. CERTIFICATED MECHANIC [ ] FOREIGN CERTIFICATED MECHANIC [X] CERTIFICATED REPAIR STATION [ ] MANUFACTURER	ARS 4126 A1& 3 • P1 PR1&2 • R1,2&3 AC1,2&3 • I1,2,3&4 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
10-5-76	Elmer L. Shrum, Chief Inspector Elmer L. Shrum

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

BY							
	[ ]	FAA FLT. STANDARDS INSPECTOR	[ ]	MANUFACTURER	[ ]	INSPECTION AUTHORIZATION	OTHER *(Specify)*
	[ ]	FAA DESIGNEE	[X]	REPAIR STATION	[ ]	CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	

DATE OF APPROVAL OR REJECTION	CERTIFICATE OR DESIGNATION NO.	SIGNATURE OF AUTHORIZED INDIVIDUAL
10-5-76	ARS4126	Elmer L. Shrum

NOTICE

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 King KI-214 Indicator and Edo-Aire 52D136-0200 Directional Gyro.

Installed King KN73 Glideslope Receiver and KN77 Converter on factory radio shelf in nose cone. Installed Edo-Aire NSD-360-25 Indicator in instrument panel and Edo-Aire 1 B495 flux detector in existing factory installed mount in left wing.

Installation complis with FAR43 and AC43.13-2, Chapters 1, 2 & 3. Weight and balance and equipment list revised. Test flight completed and aircraft returned to service.

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.

1. AIRCRAFT	MAKE: Beech	MODEL: E55
	SERIAL NO.: TE-1068	NATIONALITY AND REGISTRATION MARK: N333RE
2. OWNER	NAME *(As shown on registration certificate)*: Robert L. Rankin	ADDRESS *(As shown on registration certificate)*: 5310 Bitteroot Way Yakima, Wa. 98908

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION / 5. TYPE

UNIT	MAKE	MODEL	SERIAL NO.	5. TYPE: REPAIR	5. TYPE: ALTERATION
AIRFRAME	◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆ *(As described in item 1 above)* ◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆				X
POWERPLANT					
PROPELLER					
APPLIANCE	TYPE				
	MANUFACTURER				

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
Flightcraft, Inc. 7505 N.E. Airport Way Portland, Oregon 97218	U.S. CERTIFICATED MECHANIC	ARS 4126 A 1 & 3 . P 1. PR 1 & 2 . R 1 & 2 AC 1, 2 & 3 . I 1, 2, 3 & 4 LTD R DC-3 & LOCKHEED 18
	FOREIGN CERTIFICATED MECHANIC	
	X CERTIFICATED REPAIR STATION	
	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
7-28-76	Elmer L. Shrum, 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 [X] APPROVED [ ] REJECTED

BY							OTHER *(Specify)*
		FAA FLT. STANDARDS INSPECTOR		MANUFACTURER		INSPECTION AUTHORIZATION	
		FAA DESIGNEE	X	REPAIR STATION		CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	

DATE OF APPROVAL OR REJECTION	CERTIFICATE OR DESIGNATION NO.	SIGNATURE OF AUTHORIZED INDIVIDUAL
7-28-76	ARS4126	

FAA Form 337 (7-67) (8320)

NOTICE

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 existing altimeter and installed Aerosonic Model 101627-01344C Encoding altimeter in same location. Installation tested and calibrated to manufacturer's specifications in accordance with AC43.6 and FAR43.13 (a) and (b) using approved equipment. Certified static system. Equipment list revised and aircraft returned to service. Weight change negligible.

END

☐ ADDITIONAL SHEETS ARE ATTACHED

★1975-G.P.O.-1703-M/673-200/175

Run: 05/11/2001
9:21AM

Peninsula Avionics, Inc.

Aircraft Weight & Balance Report

FAA CRS QPIR337K

Aircraft: N333HE Type: BEECH S/N: TE1068
Model: E55

Prior Empty Weight:	3,556.7	As Of:	01/13/1999
Prior Longitudinal Moment:	282,010.8	Arm:	79.29
Prior Lateral Moment:	0.0	Arm:	0.00
Prior Useful Load:	1,743.3		

Items Removed:

Date	Description	Weight	Longitudinal Arm	Longitudinal Moment	Lateral Arm	Lateral Moment
05/11/2001	2ea COLLINS VHF COM	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	COLLINS PWC 150 PWR CONVERTERS	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		-1,076.3		0.0

Items Installed:

Date	Description	Weight	Longitudinal Arm	Longitudinal Moment	Lateral Arm	Lateral Moment
05/11/2001	GARMIN GTX 327 TRANSPONDER	2.10	62.00	130.2	0.00	0.0
05/11/2001	GARMIN GNS 430 NAV/COM/GPS	6.60	61.00	402.6	0.00	0.0
05/11/2001	TRANS CAL SSD120-30-RS232 ENCODER	0.80	-8.00	-6.4	0.00	0.0
05/11/2001	GARMIN GMA 340 AUDIO	1.60	63.00	100.8	0.00	0.0
05/11/2001	SKYWATCH ANT NY164	2.30	108.00	248.4	0.00	0.0
05/11/2001	GARMIN GNS 530 NAV/COM/GPS	8.50	61.00	518.5	0.00	0.0
05/11/2001	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		0.0

New Final Figures:

Weight:	**3,565.5**		
Longitudinal Moment:	**282,224.5**	**Arm:**	**79.15**
Lateral Moment:	**0.0**	**Arm:**	**0.00**
Useful Load:	**1,734.5**		

Carl Brun

INSPECTOR
QPIR337K