6
U.S. Department
of Transportation
Federal Aviation
Administration

MAJOR REPAIR AND ALTERATION

orm Approved DMB No. 2120-0020 1/30/2007	Electronic Tracking Number

	nsporta													For FAA U	Jse Only
Feder	al Avia inistrati	tion (Airtr	am	e, P	owerplant	, Prop	oell	er, or	Appliance	;)				
instru	uction	TIONS: Prins and disposition. (49 U. :	sition o	f this	form.	s. See Title 14 This report is re	CFR §43 equired b	i.9, P y law	art 43 Ap (49 U.S	opendix B, and A .C. §44701). Fa	C 43. ilure t	.9-1 (or s to report	can resu	ent revision that It in a civil pe	ereof) for enalty for each
		Nationality	and Re	gistra	tion Ma	rk				Serial No.					
1 Δi	rcraft	N146T	'A							EA-176					
1. 71	· Oran	Make BEECH								Model Series A36TC					
		Name (As	shown	on re	gistratic	on certificate)		Address (As show	n on r	egistratior	n certificate	9)			
2 0	wner	VIDEO:	FAX,	IN	C.					4245 Kemp					
2. 0	MIIEI									Wichita Fa	lls	, TEXA	AS		
								3. F	or FAA I	76308 USA Use Only					
								•••		,					
	4. T	ype						5. Ur	it Identi	fication					
Rep	oair	Alteration		Unit			Make		•		Mod	lel		Seri	al No.
]	X	AIRF	RAM	E			_	1.2	(As described	d in It	em 1 ab	-		
]		POW	/ERP	LANT										
			PRO	PELL	.ER	į.									
						Туре									
Г	٦		APP	LIAN	CE										
_	_				-	Manufacturer									
		<u> </u>	L			<u>. </u>		6. Co	onformit	y Statement					
A. Ad	gency	's Name and	d Addr	ess					Kind of A	<u> </u>					
		Avionics				·		1		ertified Mechanic			Man	ufacturer	
		Industr	•		d Ste	e 121				Certified Mecha				icate No.	
		y, TX						X	Certifie	d Repair Station			RS # 5	SECR951Y	
750	69 t	JSA ————							Certifie	d Maintenance C	Organ	ization	Select	t Avionics	
ŀ	nave t	been made ii	n acco	rdand	ce with		ts of Par	t 43 d		m 5 above and d S. Federal Aviati					
		inge fuel			,	ture/Date of Author								······································	
per 14	4 CFR	Part 43				//	1		M						Jerry Huntley
App.	В					jung	<i>//</i>	un	ulle				 		26-October-2011
		t. 0 0			\mathcal{L}					n to Service					
	inistra	tor of the	Federa			ns specified be Administration		unit		oproved	as in:	spected Rejecte		manner pres	cribed by the
	- 10	FAA FIt. Standanspector	ards		Manu	ufacturer	N	lainter	nance Org	anization			Approved nent of Tra	d by Canadian ansport	
BY	F	AA Designee		x	Repa	air Station	Ir	spect	ion Author	rization	Othe	er (Specify	()		
	ficate			<u> </u>	Signa	ture/Date of Author	t <u> </u>	idua].			<u> </u>				
Desig	gnatio				[·	1	1)	/	A.						Jerry Huntley
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FAA Form 337 (10-06)

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.

B. Description of Work Accomplished (If more space is required, attach additional sheets. Identify with aircraft nationality and	registration mark and date work co	mpleted.)
	N146TA	Oct-26-2011
	lationality and Registration Mark	Date
1. Removed the following equipment: King KY-196 COM P/N 064-1019-00 King KLN-90B GPS P/N 066-04031-1121 King KNS-80 RNAV P/N 066-4008-00 ACU P/N MD41-328 GPS Antenna P/N 071-01545-0200		
Installed the following equipment: Garmin GA 35 WAAS Antenna P/N 013-00235-00 installed at F.S. 83 Garmin GTN-750 P/N 011-02282-00 installed at F.S. 53 Annunciator P/N MD41-1510 installed at F.S. 56 Blind Encoder P/N A30-9 installed at F.S. 49		,
Garmin GTN-750 is interfaced to the following existing equipment: Century III AutoPilo Indicator, Mid Continent MD41-1510 ACU and FS-450 Fuel Flow. Recomputed Weight		
 Garmin GTN-750 installation was done as per STC SA02019SE-D. All equipment in accordance with AC 43.13-1B/2B. The following manuals were used for reference: Greev. 3, May, 2011. 	·	
3. All wiring meets requirements of AC 43.13-1B chapter 11. Wiring was routed and protection was used as per AC 43.13-1B chapter 11. Electrical load does not exceed requirements of AC 43.13-2B chapter 2. All installed equipment was checked for EM effected systems were tested accordingly to show compliance with 14 CFR 23.1301.	I limits as per AC 43.13-1B chapter II interference as per AC 43.13-1	11. Wiring also meets
 The following circuit protection was used for this installation; The following items w Pilot's sub panel: Garmin GTN-750 Com 1 installed using 5 AMP circuit breaker, Garr 		
5. FAA Approved flight manual supplement for the GTN-750 P/N 190-01007-A2 Rev. owner/operator and must be on board the aircraft for this installation.	1, Mar, 2011 has been provided to	the aircraft
6. Continued Airworthiness for this installation should be performed as per attached Inst Rev. 1, Mar, 2011 for the GTN-750 system. A copy has been provided to the aircraft records.	tructions for Continued Airworthines owner/operator for inclusion into th	s P/N 190-01007-A1 e aircraft maintenance
END		
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☐ ADDITIONAL SHEETS ARE AT	TACHED	

U.S. Department of Transportation

21.0	
Form Approved	Electronic Tracking Numbe
OMB No.2120-0020	
11/30/2007	

U.S. Departmen	ıt		JOR REPAIR AN		_				11/30/200		or FAA Use Only					
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Federal Aviation																
instructions	and disposi	or type all ention of this for U.S.C. 46301		.9, Fed t	Pa oy	rt 43 Apper law (49 U.S	dix B, and AC 4 i.C. 44701). Fa	43.9- ilure	1 (or sub to report	seque can re	ent revision thereof) for esult in a civil penalty for					
1. Aircraf	National	lity and Registrati					Serial No. EA-176									
	Make Beech						Model A36TC				Series					
							Address (As sh	hown	on rogistra	tion cor	difficato					
2. Owne	r 1	As shown on regi: Todd M	stration certificate)				Address PO		-	illon cer	runcate)					
	ľ						City Willr	mar 01-05	01 Co	untry	State Minnesota United States					
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			3. F	or r	_	A USE Only	/ 									
4. T	уре	M	5. Uı	nit I	lde	entification										
Repair	Alteration	Ünit	Make	е			Мо	del			Serial No.					
	AIRFRAME						(As described i	in ite	m 1 abov	/e)						
		POWERPLAN	т													
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<u> </u>	's Name and	d Address		+	,]	B. Kind of				T	T					
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City Ma	aple Plain	· <u></u>	State Minnesota	H	+	Certificated R	icated Mechanic			├	474723603					
Zip <u>55</u>	359	Country Un	ted States		+		laintenance Organi	izatior	 1	1 7/7	72000					
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Extended rang 14 CFR Part 4		Signatu	re/Date of Authorized Ir	ndiv	idi/	ual	oe-	_		9,	/19/2008					
			7. Appro	val	fc	r Return T	o Service									
	dministrator	of the Federa	persons specified below I Aviation Administration					s ins	REJECTE	D						
BY	FAA Fit. Star Inspector	ndards	Manufacturer		\int	Maintenan	ce Organization		De		ppoved by Canadian nt of Transport					
Certificate or	FAA Desig		Repair Station Signature/Date of Auth	X	_		Authorization		ulef (S	эреспу)						
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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.

8. Description of Wo		eets Identify with	aircraft nationality	v and registration ma	ark and date work completed.)
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		NI46T	A		9/19/2001
		Nationality and Re			Date
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Jan. 23 1987, and report provisions in accordance	rt DFA 310 Revision 2 Ins	tallation Instruction ssories Service Bul	s dated 2/26/1993 letin No. BFA-001	 This installation v This is an Alterna 	1950 Revision Letter G dated was completed with the tive Means of Complience
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			ets Are Attatched		

United States of America

Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

Number SA4180WE

This certificate issued to Bob Fields Aerocessories

cortifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the sirworthiness requirements of Port 3* Sche Civil Air Regulations *See Aircraft Specification 3A15 for complete certification basis.

Original Product - Type Cortificato Number 3A15 Make. Beech

Model: H35, J35, K35, M35, N35, P35, S35, V35, V35A, V35B, 35-A33, 35-A33, 35-C33A, E33, E33A, E33C, F33, F33C, G33, 36, A36, A36TC Description of Type Design Change Installation of inflatable door seal in accordance with FAA sealed Aerocessories Drawing No. 3950 dated April 7, 1980, or later FAA approved revision.

Limitations and Conditions: The approval of this change in type design applies to the basic aircraft of the specified model only that is otherwise unmodified. approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated unless it is determined by the installer that the interrelationship between this change and any of those other previously approved modifications will introduce no adverse effect upon the airworthiness of that aircraft.

This cortificate and the supporting date which is the basis for approval shall remain in effect until sur rendered, suspended, rovoked, or a termination date is athornis as tablished by the Administration of the Federal Aviation Administration.

Liale of application: October 16, 1979

Sinte reissned :

Glob of issuance June 30, 1980

Tole unended:



By direction of the

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both

W.

U.S. Department of Transportation

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

Form Approved
OMB No.2120-0020
For FAA Use Only

Office Identification

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instruct	tions and	disposition of the	his fo	ntries. See FAF rm. This report on (Section 901	is require	ed by	yΙ	law (49 U.S.C	. 142	C 43.9-1 (1). Failure	or subset to repo	equent rev ort can res	vision thereo ult in a civil p	f) for penalty not to	
1. Air		Make Raytheon						Model A36TC							
		Serial No. EA-176							Nation N146	nality and Re	egistration	Mark			
2. Ov	wner	Name (As sho Asche Todd		PO B	ss (As show lox 501 nar, MN 56	_		ficate)							
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				4. Un	it Identifi	catio	OI	n				· · · · · · · · · · · · · · · · · · ·	5.	Гуре	
Ĺ	Jnit		Make	e	٠		٨	Model		S	erial No		Repair	Alteration	
AIRFR	AME	(As describe						item 1 above)				٠.		x	
POWE	RPLANT														
PROPE	ELLER										•	,			
APPLIA	NCE	Type Manufacturer										.4.			
					6. Co	onfo	rr	mity Stateme	nt					1	
A. Ag	ency's N	ame and Addre	ss					B. Kind of A	ency			C. C	ertificate No		
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	Budd Ave Plain MN	55359					1	Foreign Certifica	ted Me	chanic		_	·		
							+	Certificated Repair Station Manufacturer				-	₹ .		
hei	reto have	been made in	acco	eration made to rdance with the rue and correct	requirem	ents	c	of Part 43 of the	ne U.S	ve and de 5. Federal	scribed Aviatior	on the rev Regulation	verse or attac ons and that	chments the	
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200					7. Appro	val f	fo	r Return To	Servic		<u> </u>	1 /4		3	
F	Pursuant	to the authority	give	n persons speci	fied belov	v, the	e	unit identified	in ite				anner presc	ribed by	
	FAA	Flt. Standards	-eder	al Aviation Adm Manufacturer	ninistration	n and	ď	Inspection A		zation	REJE Other	CTED (Specify)			
BY		ector A Designee		Repair Station	,			Person Appove	d by Tr	ansport	1				
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4/4/2007

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NOTICEWeight 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 r	egistration mark and date work completed.)
Install cooling air baffles in accordance with D'Shannon Products Installation Manual No DS No change in wieght and balance. End.	P-IM95-2 revision 6, per STC SA368CA.
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Additional Sheets Are Attatched	

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"PROPRIETARY"

The information contained in or disclosed by the

. * United States of America.

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Products. This document and the items and infor

Type Certificate nation contained or disclose used, copies, or reproduced in whole of in

shall the contents be revealed in any manner to any person unless written permission is obtained

Number SABGECH

Permission is hereby given for the following aircraft and only valid when the signature ir the approval by is signed by Allan Petersor and the return of the registration slip is

validated. Model Only. Aircraft Call Number

Serial EA-1

cordifies that the change in the type design for the following product with the lighter of therefor us specified home mosts the mineralkiness requirements of Part 3 of the Civil Air Regulations.

D'Shannon Products

Lindstrom, MN 55045

13610 Glader Lane

(See Aircraft Specification No. 3A15 for complete certification basis.)

Original Bodust Topo Contificate Number :

Hale

Raytheon Aircraft Company

Hodel:

\$35, V35, V35A, V35B, 35-C33A, E33A, F33A E33C, F33C, 36, A36, A36TC, B36TC

Description of Type Design Change.

Installation of cooling air baffles in accordance with D'Shannon Products' Installation Manual No. DSP-IM95-2, revision 6, dated April 16, 2002, or later FAA approved revisions.

Bioxilations and Conditions:

- 1. Compatibility of this design change with previously approved modifications must be determined by the installer
- 2. Aircraft specifications are the same as listed on Aircraft Specification Number 3A15.
- 3. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

This cordificate and the supporting data which is the basis for approval shall recome in offert until surronalized, suspended, recorded or a termination date is otherwise established by the Administrator of the Frederick Resistion Administration

Date of application . April, 1, 1995

State of assessor . June 23, 1995

April 12, 1996, August 5, 2002.

April 9, 2003

Thaddeus D. Krolicki, Jr. Manager, Propulsion Branch

Chicago Aircraft Certification Office

(Title)

If leave may be transterred in accordance with PAR 71.47.

Any alteration of this certificate is punishable by a fine of not exceeding \$1.000. Or imprisonment not exceeding 1 years, or noth.

U.S. Department of Transportation

MAJOR REPAIR AND ALTERATION

(Airframe, Powerplant, Propeller, or Appliance)

Form Approved OMB No.2120-0020

For FAA Use Only

Office Identification

Federal Aviation Administration				-				moo idi	·			
instructions and	: Print or type all edisposition of this for each such violation	orm. This report is	require	d b	y law (49 U.S.0	C. 1421). Fail						
1. Aircraft	Make Raytheon				. *	Model A36TC						
	Serial No. EA-176					Nationality and N146TA	d Registration Ma	ark				
2. Owner	Name (As shown or Asche Todd M	n registration certificate)			Address (As shown on registration certificate) P.O. Box 501 Willmar, MN 56201						
			3. F	or	FAA Use Only							
		4. Unit lo	dentific	ati	on				5. T	ype		
Unit	Mak	e			Model		Serial No.		Repair	Alteration		
AIRFRAME		(As d	ed ir	n item 1 above,			1	х				
POWERPLANT		:	,									
PROPELLER								٠.		,		
APPLIANCE	Type											
	·											
			6. Coi	nfo	rmity Stateme							
	me and Address			x	B. Kind of Ag	·		<u> </u>	ertificate No.			
Ronald G Olsen 1765 Budd Ave				Ĥ	Foreign Certificated			47472	23603	Ī		
Maple Plain MN	55359			-	Certificated Rep			-				
				\vdash	Manufacturer							
hereto have	the repair and/or all been made in acco urnished herein is t	rdance with the rec	quireme	nts	of Part 43 of the	ne U.S. Feder						
Date 12/26/2006			Sigi	nati	ure of Authoriz	ed Individual	, ,	7 7				
·		7. /	Approv	al f	or Return To	Service	~ /	J				
	the authority giver						s inspected in		anner prescri	bed by		
	It. Standards	Manufacturer		х	Inspection A		Other (S)					
U,	Designee	Repair Station			Person Appove Canada Airwor							
Date of Approval	or Rejection	Certificate or Designa	ation No.		Signature	of Authorized						
12/26/2006		474723603		Ī	15	0.71-						

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.

Description of Work Accomplished

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

Inspected aircraft fuselage, and wings, repaired as necessary. Removed and replaced following damaged airframe parts, in accordance with AC NO. 43.13 -1-B

	50074-5 002-410019-37 002-410027-42 002-410026-1 002-410026-1 002-410022-1 002-410029-6 102-410029-6 102-430039-55 102-430039-55 102-430037-19 16-430056-7 16-4004-7 102-43009-106 102-43004-17 102-43004-17 102-430037-19 102-430037-19 102-43004-7 102-43004-7 102-43004-7 102-43004-7 102-43004-7 102-43004-7 102-43004-1 102-43004-1 102-43004-1 102-43004-1 102-43004-1 102-43004-5 102-43004-5 102-43004-2	channel frame skin channel LH doubler Front skin ft spar doubler (2 aft spar kit stringer frame rear spar reinf frame lwr blkh frame cabin door web rear spar spar frame rh lwr fus stiffner angle gusset skin fus uper stringer	002-430012-13 002-430008-225 002-430009-201 002-430039-43 36-400027 002-430039-53 002-430045-67 002-430046-1 002-430009-95 002-430044-17 002-430039-27 002-430057-17 002-430020-13	angle side Plate bulkhead angle former bulkhead skin Cabin Bot frame NG Boot Kit seal Assmebly rear Carry Thru frame z stock frame lwr RH doubler Front kit doubler ft spar frame skin fus upper stringer frame lwr fus skin angle frame lh blkd frame lh fus frame frame stringer hat section bracket assem	002-4100295-5 36-820023-1 002-430045-67 106-420012-3 002-430010-33 002-430037-20 35-410259-36 002-430038-73 (2) 36-4004-5 002-430039-49 36-400011-1 002-430039-27 36-400013-4 002-430043-17 002-430044-49 002-430041-6 002-430040-6 002-430040-9 002-430043-9 002-430043-9 002-430043-9 002-430043-9 002-430043-9 002-430043-9 002-430043-9 002-430043-9 002-430043-9 002-430038-89 002-430038-89 002-430037-21	frame blkd angle blkd assem ame blkh st 100 gusset stringer stringer keel fwd lh
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	002-430010-9	channel ·	002-430010-23	keel fwd rh	35-410330-20 and	
	36-400013-3	frame lwr blkh	-002-430037-22	channel ih	002-430030-20 and	
		aft web front spar	002-432218-11	web front spar	002-430030-23 W	angle
	002-430037-25	keel	002-40017-3	stringer	002-430037-12	longeron/
	002-430037-23	channel fuse	002-410030-125	lwr firewall	002-430038-41	channel.
-					75,521, 100,000, 41.	, , , , , , , , , , , , , , , , , , , ,

Removed and replaced the following parts to RH wing.

002-430038-73

skin center:

000-110109-3

slin rh inbd le

Removed and replaced the following parts to LH wing.

000-110015-5

skin ob le



Additional Sheets Are Attatched

JAN 0 5 2007

Reproduced by Avantext, Inc.

*U.S.GPO: 19

DEPARTMENT OF TRANSPORTATION-FEDERAL AVIATION ADMINISTRATION STANDARD AIRWORTHINESS CERTIFICATE

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REGISTRATION MARKS	BEECH AT	ŔCRAFT	CQŘ₽•♡∜	////	ATOM T T ONLY
ท ั38047	A36TC	27	3 ·	EA-1/6	UTILITY
rnereror, to be in comprehensive and Aviation, except as Exceptions: TERMS AND CONDITIO Unless sooner surrethis airworthiness contact and in	detailed air worthin noted herein. NS	revoked, or a e as long as t	NONE termination do termination do to the Federal	nex 8 to the Conve	and certifies that, as of the form to the type certificate purements of the applicable intion on International Civi Dished by the Administrate. Itenance, and alterations or itenance, and alterations or itenance, and the
aircraft is registere	FAA REPRE	0,9.95.	1 : 2 : 2		DESIGNATION NUMBER
Nov. 21, 19		M. Por	Fé0118		DOA, PC#8".
risonment not exceeding MITH APPLICAB	LE FEDERAL AVIAT	ION REGULAT	IONS.	<u> </u>	not exceeding \$1,000, or in THE AIRCRAFT IN ACCORD
NATIONALITY AND	2. MANUFACTURER			GERTIFIC	
N146TA	Beech Air	1/2	Δ	FA-176	Utility
AUTHORITY AND BASIS This airworthiness ce date of issuance, the therefor, to be in co comprehensive and d Aviation, except as a Exceptions:	FOR ISSUANCE THIS COUNTY THE COUNTY TO STATE THE COUNTY TO STATE THE COUNTY T	issued hose been in an and and an		tion Act of 1958 at and found to confe wn to meet the requex 8 to the Conver	nd certifies that, as of the orm to the type certificate irrements of the applicable tion on International Civil
TERMS AND CONDITION Unless sooner surrence this airworthiness cer performed in accorde aircraft is registered	IN the Quitence	7	ermination date maintenance, the Federal A	e is otherwise estable preventative maintenance viation Regulations	ished by the Administrator, enance, and alterations are , as appropriate, and the
TE OF ISSUANCE	EAA REPRES		ZAR.		DESIGNATION NUMBER
R 11/21/1980	\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	E. Crav	rford	-	GL-15
<u> </u>) Dennis	L. CLA	may be punis	hable by a fine no	t exceeding \$1,000, or im- LE AIRCRAFT IN ACCORD-

US Department of Transportation Federal Aviation Administration % Principal Maintenance Inspector 6020 28th Ave S Room 201 Minneapolis, MN 55450-2704

To Whom It May Concern:

I am requesting a replacement Standard Airworthiness Certificate for N146TA, Beechcraft A36TA S/N EA-176. This request is because of the registration number change from N38097 to N146TA.

-If-you-have questions call-me at (320)235-8748---

Sincerely,

Todd Asche P.O. Box 501

Willmar, MN 56201





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 report 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).

for	each su	ich violation (Sei	ction	901 Federal Aviat	ion Act	of 19	358).								
		Make B	eec!	hcraft			Model	A36TC							
1. Aiı	rcraft	Serial No. E	A-1	76			Nationa	lity and Registration	n MarkN	38047					
		Name (As sho	own (on registration cer	tificate	,	Address (As shown on registration certificate)								
2. Ov	vner	R	epro	o-Air, LLC.			113 Barksdale Professional Center Newark, DE 19711								
						2 5	or EAA Uso Only	Newark, I	JE 197.	11					
						3. F	or FAA Use Only			-					
						4. U	Init Identification			5. Type					
į	Jnit		Mal	ке			Model	Serial No		Repair	Alteration				
AIRFR	AME	~~	••••	(/	As desc	ribed	l in Item 1 above)				χ				
POWE	RPLAN	7													
PROP	ELLER														
ADDL	ANOF	Туре													
APPLI	ANCE	Manufacturer	•	,											
					6	. Co	nformity Statement								
Α. Ας		Name and Addre				В. І	Kind of Agency		C. Certificate No.						
		gles Aircraft					U.S. Certificated Mechani		-						
	71.1.	Crosier Ave	nue				Foreign Certificated Mech								
	Gre	eley, CO 806	31				X Certificated Repair Station Manufacturer			4R092M					
-	have be	en made in acco	ordar		ements	of Pa	identified in item 4 above art 43 of the U.S. Federa rledge.								
Date						Sig	nature of Authorized In-	dividual							
10-02-03 Scott V M							Scott V Mauch	Scot U	ions	mer					
	7. Approval for Return To Service														
				n persons specifie iation Administrat			unit identified in item APPROVED	REJECTED		ner prescrib	ed by the				
BY		AA FIt. Standards spector		Manufacturer		Inspection Authorization Other (Specify)									
		AA Designee	χ_	Repair Station		Person Approved by Transport Canada Airworthiness Group									
Date of Approval or Rejection 10-02-03 Certificate or Designation No. BX4R092M						Sign	Signature of Authorized Individual Scott V Mauch								

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 a is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)
(II more space	a is required, attach additional sheets. Identity with anchair hattoriamy and registration mark and date work completed.
to the state of the state of	
- 1.	Installed L.P. Aero Plastics, Inc. STC # SA992NE. Installation of .500 thick windshield pn LP-269500SG in accordance with L.P. Aero Plastics, Inc. single piece extra thick windshield installation drawing list: Report No. 269/con, Revision 4 dated April 28, 2001.
2.	Weight and Balance revised 10-02-03.
· 	END
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	; ;
	*e
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	☐ Additional Sheets Are Attached

United States of America

Bepartment of Transportation -- Hederal Abiation Administration

Supplemental Type Certificate

Number SA992NE

This certificate issued to

LP Aero Plastics, Inc. 1086 Boquet Road Jeannette, PA 15644

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 3/23 of the Civil Air/Federal Aviation Regulations.

Original Product -- Type Certificate Number :

3A15

Make:

Beech

Model:

35-33, 35-A33, 35-B33, 35-C33, 35-C33A, E33, E33A, E33C, F33, F33A, F33C, G33, H35, J35, K35, M35, N35, P35, S35, V35, V35A, V35B, 36, A36, A36TC, and B36TC

Description of Type Design Change:

Installation of .250 .312, .375, or .500 thick windshield in accordance with L.P. Aero Plastics, Inc., Single Piece Extra Thick Windshield Installation Drawing List: Report No. 269/CON, revision 4 dated April 28, 2001.

Limitations and Conditions :

- Compatibility of this design change with previously approved modifications must be determined by the installer.
- 2. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: April 21, 1992

Tale reissued: March 11, 2003

Dale of issuance: August 3, 1992

Tate amended: January 13, 1997, June 17, 2003

TOMINISTRATION

By direction of the Administrator

(Signature)

Vito A. Pulera

Manager

New York Aircraft Certification Office '

(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

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 FSDO

and disp	osition of this form. T	e all entries. See FAR 43 his report is required by n 901 Federal Aviation A	/ law ((49 U.S.C. 1421) Fail	ure to repo	i (or subsequent re rt can result in civil p	vision then enalty not	eot) for instruction to exceed \$1,0	nons 00			
	Make Beechcraft	·		······································	Model A36T			1.151 - H. L.	······································			
1. Aircraft	Serial No. EA-176	+		Nationality and Registration Mark N 38047								
2. Owner	Name (As show John Hoek	vn on registration certific	ate)	Address (As shown on registration certificate) 437 South Creek Osprey, FL 34229								
1				3. For FAA Use Or	nly		······································					
			····	4. Unit Identification	on	· · · · · · · · · · · · · · · · · · ·		5. Type				
Unit		Make		Model		Serial No). 	Repair	Alteration			
AIRFRAME			(As de	escribed in Item 1 abov	e)	· · · · · · · · · · · · · · · · · · ·			x			
POWERPL	ANT											
PROPELLE	R											
APPLIANC	Type Manufacturer											
······································				C Conformity States		***************************************			***************************************			
A. Agency's	Name and Address			6. Conformity Staten B. Kind of Agency	ient		C. Certifi	cate No.				
359 Par	Helterbran kview Dr. FL 34293			X U.S. Certificated Mechanic				AP287661086				
have l	been made in accorda	for alteration made to the lince with the requirement is correct to the best of m	ts of Pa	art 43 of the U.S. Fede	above and eral Aviation	described on the rev Regulations and the	erse or att at the infor	achments here mation	to			
Date . 08/27/99	9			Signature of Authorized Midividual								
5				proval for Return To								
Administra	ator of the Federal Avi	persons specified below ation Administration and	ine un	it identified in item 4 w XI APPROVED	as inspecte	EJECTED	scribed by	the				
	AA Fit. Standards hspector	Manufacturer	X	Inspection Authorization Other (Specify)								
F	AA Designee	Repair Station		Person Approved by Transport Canada Airworthiness Group								
Date of Appl	roval or Rejection	Certificate or Designation No.	_	Signature of Authorized Individual								
.0.7	111	1418626886	2_		71	17XV	<u> </u>					

FAA Form 337 (12-88)

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 BASIC AIRCRAFT PRODUCTS, INC. 28 VOLT MODEL 2025 AIR DRIVEN ALTERNATOR, S.T.C. SA 01807 AT.

INSTALLATION DONE IN ACCORDANCE WITH BASIC AIRCRAFT PRODUCTS, INC. BONANZA INSTALLATION KIT, DWG. NO. 45-2325-OPL, REV. A, DATED FEBRUARY 18,1998 AND INSTALLATION MANUAL NO. 80-2325-101A, DATED FEBRUARY 20, 1998.

INSTALLATION PRACTICES FOLLOWED AS CALLED OUT IN THE A.C. 43.13-18/2A, CHAPTERS 4,7,10 AND 11.

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS, INSTALLATION INSTRUCTIONS, SUPPLEMENTAL TYPE CERTIFICATE AND AUTHORIZATION TO USE S.T.C. ON THIS AIRCRAFT INSERTED INTO AIRCRAFT RECORDS.

FAA APPROVED AIRPLANE FLIGHT MANUAL SUPPLEMENT, DATED JAN 14, 1999, INSERTED INTO AIRCRAFT'S OPERATING HANDBOOK.

EQUIPMENT LIST AND WEIGHT & BALANCE UPDATED.

NOTE: INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ATTACHED.

United States of America

Bepartment of Transportation -- Nederal Abiation Administration

N38047 8/27/99

Supplemental Type Certificate

Number SA01807AT

This carlificate issued to

Basic Aircraft Products, Inc. 4474 Hickory Drive Evans, GA 30809

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airporthiness requirements of Part 3 of the Civil Air Peopulations.

Original Product - Type Cartificate Number: ATTT & 3A15

Make: Beech

Model: Bonanza Models 33,35,36

Description of Type Design Change:

Installation of a Basic Type BAE 14/28 Model 2025 Air Driven Alternator in accordance with Basic Aircraft Products, Inc. Bonanza Installation Kit, Dwg. No. 45-2325-OPL, Rev. A, dated February 18, 1998 and Installation Manual No. 80-2325-101A, dated February 20, 1998, or later FAA approved revisions.

Limitations and Conditions: "This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated, unless it is determine by the installer that the interrelationship between this change and any other previously approved modifications will produce no adverse effect upon the airworthiness of that airplane. FAA Approved Airplane Flight Manual Supplement, dated January 14, 1999, is a required part of this STC. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission."

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, recoked or a termination date is otherwise established by the Administrator of the Federal Assistion Administrator.

Date of application . October 15, 1996

Date of issuance . January 14, 1999

Dato raissuod :

Date amended :

By direction of the Administrator

(Signature)

C. J. Worthey, Acting Manager Atlanta Aircraft Certification Office

(Title)



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
TAMPA FSDO

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 report is required by law (49 U.S.C. 1421). Failure to report can result in civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

fo	r each s	uch violation (Section	on 901 Federal Aviation	Act	of 1958	8).					//0000 \$1,0	·		
	• -	Make BEACHCF	RAFT		•			Model A36T	rc		· · · · · · · · · · · · · · · · · · ·			
1. A	ircraft	Serial No. EA-176	***************************************			·	*****	Nationali N 38	ity and Registration it	/lark		····		
		Name (As sho	own on registration cert	ificate	e)				(As shown on regis	tration certi	ficatel			
		John Hoel	-		-,		100107							
2. C	wner		•			437 South Creek Osprey, FL 34229								
						7								
	····	·				3. F	or FAA Use Or	ily						
											•			
!														
		4. Unit Identification 5.												
	Unit		Make	1			Model		Serial No	o.	Repair	Alteration		
AIRF	RAME	(As described in Item 1 above)								х				
POW	/ERPLA	NT												
PRO	PELLER	8												
		Туре		1										
APP	LIANCE	Manufacturer	· · · · · · · · · · · · · · · · · · ·	-										
							formity Staten	rent						
		Name and Address	····			B. Kind of Agency				C. Certificate No.				
		AS HELTERBRA KVIEW DR	AN		-	-X	U.S. Certificated		·	_				
		FL 34293			-	Foreign Certificated Mechanic				AP 287661086				
•		7 E 34233			H	Certificated Repair Station								
D.	I certify	that the repair and	t/or alteration made to	the u	nit(s) i	Manufacturer identified in item 4 above and described on the reverse or attachments hereto								
_,	have b	een made in accord	ance with the requirem d correct to the best of	ents (of Part	t 43 c	of the U.S. Fede	ral Aviatio	n Regulations and th	at the infon	mation	:10		
Date				٦.	Signa	ature/6] Authori	zed Individ	fual						
27	AUG	1999		1	LATRICE INCIDENCE									
	7. Approval for Return To Service													
Pui	rsuant to	the authority given	persons specified belo	w, the		dent		as inspect	ted in the manner pre	escribed by	the			
ву	FA	A Fit. Standards spector	Manufacturer		Х	Other (Specify)								
		A Designee	Repair Station			Person Approved by Transport Canada Airworthiness Group								
	of Appro	oval or Rejection 1999	Certificate or Designation No.		1	Signa	ature of Authoria		ma Xer					
			IA186568862	:		Ĩ	TiMU	ノハ	TXIQU			i		

N38047 8/27/99

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 JPI EDM-700 IN AN EXISTING UNUSED HOLE IN THE INSTRUMENT PANEL, S.T.C. SA 2586 NM.

INSTALLATION DONE IN ACCORDANCE JP INSTRUMENTS STC SA2586NM, FOLLOWING THE SUPPLIED JP INSTRUMENTS FAA APPROVED INSTALLATION MANUAL FOR THE EGT-701 REPORT NO. 103 REV. B AND THE GUIDE LINES AS SET FORTH IN THE A.C. 43-13-1B CHANGE 0, CHAPTER 10, SECTION 2, CHAPTER 11, SECTIONS 3,5,6,7,8,10,13,15 AND 17, AC42.13-2A CHAPTERS 2 AND 11.

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS HAVE BEEN INCLUDED IN THE AIRCRAFT RECORDS AND A COPY ATTACHED TO THIS DOCUMENT.

OPERATION MANUAL INSERTED INTO FLIGHT MANUAL.

EQUIPMENT LIST UPDATED.

WEIGHT AND BALANCE UPDATED.

Motto States Of America

Bepartment of Avansportation - Feberal Abiation Administration

Supplemental Type Certificate

Number SA2586NM

Mis Bray Bart award # J. P. INSTRUMENTS

PO Box 7033

Huntington Beach, CA 92646

notifies that the change in the type design for the following product with the limitations and conditions therefor as specified herea meets the airmorthisess reguirements of Gart 3 of the Elect Naistica Magalaticas, including requestic Amendeursts as quaifed in the attacked Ageneral Model 95ist.

- Crisinal : Standard Type Viral Court . Kindir . . * "See attached FAA Approved LP. Instruments
 - - . Make: Master Eligibility List No. SA2586NM for list

-Illadd. • of approved sincrait models and applicable TCDS

Learnation of Type Lasign Thongs. Installation of J. P. Instruments temperature mountaining systems in accordance with FAA Approved J. P. Instruments Drawing List Report No. 100, Revision D, dated December 19, 1996, or later FAA approved revisions. FAA Approved Airplane/Rotorcraft Flight Manual Supplement No. 1 for EGT-701 temperature indicator, Revision A., dated December 13, 1996, or later FAA approved revisions.

Visitations and Vinalities. The approval of the change in type design applies to the basic airplane of the specific models that are otherwise sumodified. This approval should not be extended to other specific airplanes of these models on which other previously approved modifications are incorporated, unless it is determined that the interrelationship between this installation and any previously approved configuration will not introduce any adverse effect upon the airworthiness of that airplane. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission. (See continuation sheet) . This contificate and the supporting data which is the basis for approval shall come in effect walit surrendored, surrended, everled or a homination date is otherwise established by the Indusiristrator of the Folonol . Amintion . Administration

That of application: December 31, 1984

Sat of women

August 14, 1985

But amended July 13, 1987, November 13, 1992, December 19, 1996, May 15, 1998

Manager, Propulsion Branch

Los Angeles Aircraft Certification Office

toy electron of the confesse is quantifie by a fine of not excelling \$1,000, or improvement not excelling 3 years, or both

FAA Para \$110 2:18 44.

tont 2 of 2 This confectionery be transferred in accordance with 9,84,27 47.



US.Department of itensportation Federal Autotion Administration

TRANSPORT AIRPLANE DIRECTORATE AIRCRAFT CERTIFICATION SERVICE LOS ANGELES AIRCRAFT CERTIFICATION OFFICE 3229 EAST SPRING STREET LONG BEACH, CA 90806-2425

NOV 1 0 1992

J P Instruments 3402-1 West MacArthur Santa Ana, California 92704

Gentlemen:

J P Instruments, Temperature Indicator; Technical Standard Order C43b

Your application dated August 24, 1992, requesting the issuance of a Technical Standard Order (TSO) authorization in accordance with the procedural requirements of Federal Aviation Regulation (FAR) Part 21, Subpart 0, has been reviewed. Based upon your data and statement of conformance certifying your articles have met the requirements of FAR Part 21, Subpart 0, and the minimum performance standards of TSO C43b (Ref. FAR 21.305(b)), authorization is hereby granted for the following:

MODEL/PART NO.

DESCRIPTION

EGT-701()

Exhaust Gas Temperature Indicator

The technical data submitted with your letter, have been accepted as fulfilling the requirements for your TSO authorization and will be retained in our files.

The quality control procedures contained in your quality control manual, currently on file at the Los Angeles Manufacturing Inspection District Office, and your statement that those procedures will be applied to the manufacture of the subject article at the above address, are considered adequate in accordance with FAR 21.143.

Effective this date, you are authorized to use TSO procedures for the subject temperature indicator. You may identify this article with the applicable TSO markings as required by TSO C43b.

As recipient of this TSO authorization, except as provided in FAR 21.3(d), you are required to report any failure, malfunction, or defect in any product or part manufactured by you or your contracted suppliers, and which you have determined has resulted or could result in any of the occurrences listed in FAR 21.3(c). The report should be communicated initially by telephone to the Manager, Technical and Administrative Support Staff,

											(Da	Pan	_ `		
of Tr	ransp Seral	ortment cortatio d Aviation	n (/ on		MAJOR REPArame, Powerp							7) Office Ide	For FAA Use entification	Only
					e all entries. See FA his report is require on 901 Federal Avi					and AC 43 ailure to r	3.9-1 (or seport car	subseque n result ir			nstructions ceed \$1,000
			Make							Model					
1. Ai	irera	aft			craft			АЗ6ТС							
			Serial No.	•				Nationality and Registration Mark							
				-176	n on registration c					ļ		047			
2. 01	wne	er			3. Hoek	erinica	ile)			Address	217 W	oodla		certificate)	•
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	Jnit —	· 	Make					N	/lodel	Serial No.			lo.	. Repair	
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POWE	RPL	ANT,						·							
PROPE	ELLE	ER													
APPLI#	ANC	E	Type Manufacture	er				_							
									mity Staten					L	·
			me and Add	ress			В.		of Agency				C. Certi	ficate No.	
2850	Abilene aero Inc. 2850 Airport Blvd. Abilene,Tx. 79602						X	U.S. Certificated Mechanic Foreign Certificated Mechanic					R469E		
fu					or alteration made to nce with the require correct to the best		knov	wledge	e.	. recerai	Aviation	ribed on Regulati	the reverse ions and th	or attachmer at the inform	nts hereto ation
10-3-96								D	re of Autho	S. Z	Ω	an			
Purs Adm	uan inis	t to the	he authority of the Feder	give al Av	n persons specified iation Administration	1 held	w th	e unit	Return To identified APPROVED	in item 4	was ins	spected i	n the man	ner prescribe	ed by the
3Y -			It. Standards	T	Manufacturer		T		n Authoriza			(Specify)			
			Designee	x	Repair Station		Person Approved by Transport Canada Airworthiness Group								
10-3	3-9	6	l or Rejection		Certificate or Designation No. GSTR469E		Sigr	nature	of Author	ized Indiv	idual Ro	was	~		
4 A E		227					1				,				

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 J.L.Osborne Wing Tip Fuel Tanks IAW STC SA4-1629 drawings and instructions. Installed Aero Safe Guardian I Standby Vacuum/Pressure System IAW STC SA4835SW drawings and instructions.								
nstalled Shadin Company Fuel Flow Indicating System IAW Shadin Report No 4017 nd STC SA449GL. eight and balance change revised and equipment list updated.								
weight and paramee change revised and equipment rise aparess.								
X Additional Sheets Are Attached								





US Department of Transportation Federal Aviation Administration

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

Form Approved OMB No. (3) 20-08201 1007

For FAA Use Only
Office of the SVVOE SVVOE

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 report 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 BEF	ECH -				Model	A36TC				
1. Aircraft	Serial No.			·		Nina'					
		-176				ivationa	lity and Registration	on Mark 3 0 4 7			
2. Owner	Name (As sho	wn on registration ce IN B. HOEK	ertificat	Address (As shown on registration of 217 WOODLAND I OSPREY, FL.					certificate) DRIVE 34229	···	
				3.	For FAA Use Or	niy					
	·				U-MAL OF						
Unit			Γ	4. (Unit Identification	on <u>.</u>	T		5. Type		
Olik		Make ————————————————————————————————————	<u> </u>		Model		Serial No)	Repair	Alteration	
AIRFRAME		·················(As des	críbe	d in Item 1 abov	e) ~~~					
POWERPLANT	CONTIN	ENTAL	T	sic)-520-UB		515718			XXX	
PROPELLER											
	Туре										
APPLIANCE	Manufacturer										
A			- (6. Co	nformity Statem	ent			<u> </u>		
	ame and Address				Kind of Agency			C. Certi	ificate No.		
	RD BROWN	CKENBACKER		X	U.S. Certificated				465214848		
DALL		75248		 	Foreign Certifica			IA 4			
				-	Certificated Rep Manufacturer			-			
D I certify the have been furnished Date	at the repair and/ n made in accorda herein is true and	or alteration made to ance with the require d correct to the best	o the ur ements of my	nit(s) i s of Pa know	dentified in item art 43 of the U.S ledge.	4 above . Federal	and described on the Aviation Regulation	he reverse ons and th	or attachmer nat the inform	nts hereto ation	
	3, 1997			Sign	nature of Autho	rized Indi	ividual				
Purcuost 4	h		7. Ap	prova	I for Return To	Service					
Administrator	of the Federal A	en persons specified viation Administration	d belov	w, the	unit identified APPROVED	in item	4 was inspected in	the man	ner prescribe	d by the	
	Fit Standards	Manufacturer	х		ection Authoriza		Other (Specify)				
	Designee	Repair Station		Perso	on Approved by ida Airwotthines	Transport	1				
of Approva		Certificate or Designation No. IA46521484	.8		ature Author		Lvidual				
AA Form 337 (2 88)						- Ca				

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 six (6) TCM fuel nozzles P/N 632748 - 17B and installed General Aviation
PMA No. PQ821SW per turboGAMI jector Installation Procedure No. IP-97-002 (rev 002) dated February 6, 1997. No change in weight and balance. ////////////////////////////////////
//////////////////////////////////////
·
•
☐ Additional Sheets Are Attached

United States Of America Department Offensportation - Jederal Abiation, Administration pplemental Type Certificate

Namber 5E09289SC neral Aviation Modifications, Inc. 00 Airport Road, Hangar A da Municipal Airport 0 74820 the fesign for the following product with the limitations and conditions aircorthiness requirements of Part * of the * Regulations. [see attached FAA Approved Model List (AML) for list of approved models and applicable airworthiness regulations] Moddel: Installation of modified fuel injector nozzles in accordance with General Aviation Modifications, Inc. "Data List", Revision 002, dated February 13, 1997, and Installation Procedure No. IP-97-002 Purbog Alviljector Installation Procedure", Revision 002, dated February 6, 1997, or later FAA approved Eliminations and Conditions | Compatibility of this design change with previously approved modifications must be determined by the installer. This STC only applies to Teledyne Continental Motors (TCM) engine models listed on the TAA approved models list of the attached continuation sheet. This certificate and the supporting duta which is the basis for approval shall remain in effect until Surrendered, suspended several or a terminution date is otherwise established by the Administrator of the Tederal Poviation Bedraine traters. Date of application, September 20, 1996 Succioo February 06, 199 Dato amended , April 8, 1997, Rev. 1 A. J. Merrill Manager, Special Certification Office

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

Southwest Region

tevisions

(Title)

FAA APPROVED MODEL LIST (AML) STC No SE09289SC Bate of assuance February 06, 1997 Date amended April 8 1997 General Aviation Modifications, Inc. 2800 Airport Road, Hailgar A. Ada Municipal Airport Ada OK 74820 Item , Aircraft , (Make Regulation Original Aircraft Model Type /Part Certificate Number TSIO-520-A, -B, -BB, -C, E8CE CAR 13 Teledyne Continental Motors -D, -DB, -E, -EB, -G, -H, J, -JB, -K, -KB, L, -LB N, -NB, -M, -P, R, -T, -U, -UB, -AE, -AF, -VB, -WB, & -CE E5CE CAR 13 IO-520-B, -BA, -BB Teledyne Continental Motors (with STC SE5222NM) **FAR 33** E3SO IO-550-B Teledyne Continental Motors (with STC SE5222NM)" CAR 13 E5CE Teledyne Continental Motors IO-520-D (with STC SE00215DE)

FAA Approved:

Date: April 8, 1997

Pursuant to Title 49 United States Code § 44704 (b) (3) (effective October 19, 1996) the signature below constitutes the agreement and permission of General Aviation Modifications, Inc. allowing the registered owner of N______, to alter that certain Teledyne Continental Motors Engine:

Model TS10-520 UB, SN 515718 and MA, and ONIX that serial number (or numbers), by application of STC No. SE09289SC, to that specific lengine(s), for the purpose of installing the fuel injector nozzles which are the subject of that STC

General Aviation Modifications, Inc

By Timothy C. Roehl, President

Or George W. Braly, CEO

Or Mack A. Smith, V P.-General Manager

1SEAL 7-17-97

Zeneral Aviation Modifications, Inc.

2800 Airport Rd. Hangar A

Ada; OK 74820:

405 436-4833

Fax 405 436-6622

KIT NO. GT17B

Produ	ct Name	turbo	GAMIL	ctors ™	STC I	No. : SE	E09289SC		
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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 report 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).

to	r each suc	h violation (Se	ection	n 901 Federal Aviat	tion A	ct of	1958).				-	
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ву	FAA	Flt. Standards ector		Manufacturer	х	Insp	pection Authoriza		Other (Specify)			
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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.

8. Description of Work Accomplished (If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

THE FOLLOWING WORK WAS ACCOMPLISHED ON AIRCRAFT N38047, S/N: EA-176:

INSTALLED ROSEN COCKPIT SUN VISOR KIT STC SA3598NM AS PER STC ANDTSUPPLIED UNSTRUCTIONS AND DRAWINGS, P/N: RBB300-19, S/N: 0797536. NO WEIGHT & BALANCE CHANGE.

Anited States of America

Department of Transportation —Rederal Aviation Administration

Supplemental Type Certificate

Number

This certificate, issued to

Rosen Product Development Inc.

certifies. that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the sirworthiness requirements of Part 3 of the Civil Air Regulations.

Original Product - Type Certificate Number: 3A15

Make: Beech Model: Bonanza

Description of Type Design Change: Cockpit Sun Visor installation in accordance with FAA-approved Rosen Drawing List Number RBB-00DL, dated August 25, 1986, or later FAA-approved revisions.

Limitations, and Conditions; The approval of this change in type design applies basically to the above aircraft models only. This approval should not be extended to other aircraft of this model on which previously approved modifications are incorporated, unless it is determined that the interrelationship between this change and any other previously approved modifications will introduce no adverse effect upon the airworthiness of that aircraft. A copy of this Certificate and FAA-approved Drawing List Number RBB-00DL shall be This certificate and the supporting data which is the basis for approval shall remain in effect until sur-

rendered, suspended, rowked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application:

August 25, 1986

Dalareissued:

Dale of issuance:

September 22, 1986

Date amended:

Bry direction of the Administrator Welleam B Obshworth

Manager, Seattle Aircraft Certification Office, ANM-1008

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

US Department of Transportation Federal Aviation Administration

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

Form Ap	prov	ed
OMB N	lo. 21	20-0020

· For FAA Use Only

Office Identification, - IBR Fen

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix 8, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report 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).

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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.

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) Flight tested Bendix/King KLN-90B GPS installed by Form 337 dated 10-07-96 in accordance with AC20-138, App. 1 (2) (d) to verify proper operation and accuracy for a follow-on IFR approval. Original IFR approval was accomplished by STC SA00241WI-D, Master Drawing List 159-08133-001, Rev. 4, dated 01-24-95. Ant. and unit weremanufactured to TSO-C129 performance specifications.
- 2) Installed a FAA Approved Flight Manual Supplement in the aircraft flight manual, and a Pilot's Guide P/N 006-08773-0000, dated 02/95 and an abbreviated pilot's guide P/N 006-08774-0000, dated 02/95 in the aircraft. The Operational Revision Status must match the ORS level annunciated on the self test page.
- 3) Removed the "GPS LIMITED TO VFR USE ONLY" placard installed by Form 337 dated 10-07-96.

4) FAA Approved Flight Manual Supplement dated 4/7/97 mustrbe readily available to the flight crew when the GPS is in use.



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

Form Al

Form Approved OMB No. 2120-0020

For FAA Use Only

Office Identification LBB FSD0

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 report 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).

												
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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.

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 Bendix/King GPS in accordance with Installation Manual 006-10521-0002, rev. 2, 2/95 and AC20-138, App. 1 (1) (a) (d), AC43.13-1A and AC43.13-2A, in existing radio rack. KLN-90B.
- 2) Installed Mid-Continent MD-41-328 in cutout above flight instruments in existing pilot's instrument panel, in accordance with Installation Manual 7016074, rev. 3, 1/24/96, and above-cited AC's.
- 3) Relocated Bendix/King KT-76A transponder and Bendix/King KR-87 ADF to auxiliary radio rack previously installed in map box opening by Form 337 dated 07-25-89.
- 4) All units sufficiently restrained in the event of emergency landing loads.
- The MD-41 cited above includes a navigation source annunciator to indicate #1 CDI is displaying NAV or GPS information as selected. NAV 1 or GPS, depending on MD-41 selection, is coupled to autopilot nav input when autopilot nav source switch is in the up position labled NAV 1. NAV 2 is coupled to autopilot nav GPS

input when switch is in the down position labled NAV 2.

- 6) Installed placard on instrument panel reading: "GPS LIMITED TO VFR USE ONLY"
- 7) Installed Bendix/King KA-92 GPS antenna using supplied doubler plate in accordance with above-cited manual and AC's at approximate fuselage station 83.0 inches on top of fuselage. Ant. is TSOd
- 8) Interconnected the Bendix/King KLN-90B GPS with the Shadin Company Fuel Flow Indicating System installed by Form 337 dated 10-03-96 in accordance with Shadin Report No. 4017, STC SA449GL, and authorities cited above for the GPS system.
- Checked electrical loading -- maximum probable electrical load does not exceed 60% of alternator capacity per AC43.13-1A.
- 10) Ground and flight tests were conducted and determined that the GPS does not interfere with the normal operation of other equipment installed in the aircraft, and the GPS equipment is not a source of objectionable electromagnetic interference. Proper operation and accuracy were verified, and the unit functions properly and safely in accordance with manufacturers specification
- 11) Ground-checked magnetic compass -- deviation unaffected.
- 12) Prepared new supplemental wt. & balance & corrected equip. list.

 END

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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.

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

INSTALLED ARNAY SYSTEMS, INC., R-20 LORAN CONAVIGATOR.

INSTALLATION IS IN ACCORDANCE WITH MANUFACTURERS INSTALLATION MANUALS; AC43.13-1A CHAPTERS 5, AND 11, AND AC43.13-2A CHAPTERS 2 AND 3; AND AC20-121 FOR VFR LORAN SYSTEMS.

THE CIRCUIT IS PROTECTED BY AN APPROPRIATELY RATED PUSH-PULL TYPE CIRCUIT BREAKER. POWER IS SUPPLIED BY THE AVIONICS BUSS. TOTAL CURRENT DOES NOT EXCEED RECOMMENDED LOAD.

THE LORAN RECEIVER WAS MOUNTED IN A SPACE VACATED BY THE CHE LUNHN RELEIVER WHS MUUNTED IN H SPHEE VHEHTED BY THE GLOVE BOX AT AN APPROXIMATE ARM OF 52.0 INCHES, WITH HARDWARE PROVIDED IN THE INSTALLATION KIT. THE LORAN ANTENNA/PREAMP WAS MOUNTED ON TOP OF THE AIRCRAFT AT AN APPROXIMATE ARM OF 88.0 INCHES, WITH HARDWARE PROVIDED IN THE INSTALLATION KIT.

THE WET COMPASS WAS CHECKED, AND FOUND TO BE UNAFFECTED. THE LORAN WAS PLACARDED "LORAN SYSTEM FOR VFR USE ONLY." THE AIRCRAFT WEIGHT AND BALANCE/EQUIPMENT LISTS WERE REVISED. THE AIRCRAFT LOGS WERE UPDATED. GROUND TESTS WERE PERFORMED, AND THE BYSTEM WAS FOUND TO BE OPERATIONAL.

----THE END----

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DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

Form Approved Budget Bureau No. 04-R060.1 di FOR FAA USE ONLY OFFICE IDENTINGATION

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

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 Beechcraft SERIAL NO. A-36TC 1. AIRCRAFT NATIONALITY AND REGISTRATION MARK N38047 EA-176 ADDRESS (As shown on registration certificate)
P.O. Box 4483, Station A
Althouguerque, NM 87107 NAME (As shown on registration certificate) 2. OWNER Thomas H. Harrington 3. FOR FAA USE ONLY 4. UNIT IDENTIFICATION 5. TYPE SERIAL NO. ATION AIRFRAME X POWERPLAN' 3 PROPELLER 3 3 6. CONFORMITY STATEMENT A. AGENCY'S NAME AND ADDRESS B. KIND OF AGENCY C. CERTIFICATE NO U.S. CERTIFICATED MECHANIC Cutter Flying Service FOREIGN CERTIFICATED MECHANIC P.O. Box 9042 Albuquerque, NM 87119 CERTIFICATED REPAIR STATION 201-17 MANUFACTURER D. I certify that the repair anc/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 Parr 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 INLIVIDUAL March 26, 1981 7. APPROVAL FOR METURN 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 FAA FLT STANDARDS OTHER (Specify) CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT FAA DESIGNEE REPAIR STATION DATE OF APPROVAL OR CERTIFICATE OR SIGNATURE OF AUTHORIZED INDIVIDUAL

March FAA Form 337 (7-67)

and the selection of the second

12 U.S. Government Printing Office 1977-772-846/1

DESIGNATION NO. 201-17

(8320)

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.)

Autopilot Edo-Aire Mitchell Century III, SN 3-4323, Kit AK753

This equipment was installed in accordance with instructions

set forth in Edo-Aire Mitchell ground and flight manuals, and

applicable sections of FAR 43-13 parts 1 & 2, and applicable STC

#SA3330SW-D. New weight and balance computed. Equipment list

updated.

ADDITIONAL SHEETS ARE ATTACHED

DEPARTA OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

Form Approved
Budget Bureau No. 04-R060.1 FOR FAA USE ONLY

MAJOR REPAIR AND ALTERATION OFFICE IDENTIFICATION (Airframe, Powerplant, Propeller, or Appliance) 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 A36TC Beechcraft 1. AIRCRAFT NATIONALITY AND REGISTRATION MARK SERIAL NO. N38047 EA-176 ADDRESS (As shown on registration certificate)
P.O. BOX 4483, Station A NAME (As shown on registration certificate) 2. OWNER Albuquerque, NM 87107 Thomas H. Harrington 3. FOR FAA USE ONLY The data/alteration identified herein complied with applicable and worthiness requirements and is approved only for the above dostribed aircall subject to conformity inspection by a person authorized in FAR 43.7. FAA TRSpector, SW-GADO-2 (DAL) 6:30-81 4. UNIT IDENTIFICATION 5. TYPE SERIAL NO. MODEL REPAIR (As described in item 1 above) AIRFRAME X POWERPI ANT PROPELLER **APPLIANCE** MANUFACTURER 6. CONFORMITY STATEMENT A. AGENCY'S NAME AND ADDRESS B. KIND OF AGENCY C. CERTIFICATE NO U 3, CERTIFICATED MECHANIC Cutter Flying Service POREIGN CERTIFICATED MECHANIC P.O. Box 9042 X CERTIFICATED REPAIR STATION 201-17 Albuquerque, NM 87119 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 DATE Ungelo Jedesch 6/30/81 7. APPROVAL FOR RETURN GO SERVICE FAA FLT. STANDARDS INSPECTOR INSPECTION AUTHORIZATION MANUFACTURER CANADIAN DEPARTMENT

6/30/81 FAA Form 337 (7-67)

DATE OF APPROVAL OR

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

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CERTIFICATE OR

DESIGNATION NO.

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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.

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

Area Navigation System consisting of King KNS80 and King KI206 indicator. This equipment was installed in accordance with instructions set forthin King Equipment and installation manuals and applicable sections of AC 90-45A.

All units are on King Compatability lists and have been verified by King to meet the Accuracy Requirements in AC 90-45A.

This system has been bench and flight checked. And is approved for enroute, terminal and approach IFR operation.

New weight and balance computed. Equipment list updated.

AT TONAL SHEETS ARE ATTACHED

8 1-18-82

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REQUESTED

CERTIFICATION

OWNER'S

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PEGISTRATION MAR

5. AIRCRAFT SERIAL NO

NUMBER OF ENGINES

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CHECK IF RECORDS IN COMPLIANCE WITH FAR 91 173

DATE OF APPLICATION

N38047

EA-176

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Form Approved Budget Bureau No. 04-R0058 INSTRUCTIONS—Princ or type. Do not write in shaded areas; these are for FAA use only. Submit original only to an authorized FAA Representative. If additional space is required, use an attachment. For special flight permits complete Sections II and VI or VII as applicable. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION APPLICATION FOR AIRWORTHINESS CERTIFICATE 3. AIRCRAFT MODEL DESIGNATION 4. YR. MFG. A36TC 1980 2. AIRCRAFT BUILDER'S NAME (make, BEECH AIRCRAFT CORP. TSIO-520-UB ENGINE BUILDER'S NAME (make) Continental O. PROPELLER MODEL DESIGNATION 9. PROPELLER BUILDER'S NAME (make) PHC-C3YF-1RF Hartzell. APPLICATION IS HEREBY MADE FOR: 12 Sect applicable items) A 1 X STANDARD AIRWORTHINESS CERT. (Indicate category) NORMAL X UTILITY ACROBATIC TRANSPORT GLIDER BALLOON SPECIAL AIRWORTHINESS CERTIFICATE (Check appropriate items) LIMITED CLASS I PROVISIONAL (Indicate class) CLASS II 2 AERIAL ADVERTISING AGRICULTURE & PEST CONTROL 2 AERIAL SURVEYING 3 RESTRICTED (Indicate operation()) to FOREST (Wild life conservation) 5 PATROLLING 6 WEATHER CONTRO 4 OTHER (Specify) 0 RESEARCH AND DEVELOPMENT AMATEUR BUILT 3 EXHIBITION 1 EXPERIMENTAL Indicate operation(s)
to be conducted: 5 CREW TRAINING , 6 MKT. SURVEY 4 RACING TO SHOW COMPLIANCE WITH FAR 0 FERRY FIGHT FOR REPAIRS, ALTERATIONS, MAINTENANCE OR STORAGE 1 SPECIAL FLIGHT PERMIT (Industr operation to be conducted then complete Section VI or VII as applicable on reverse ride; 2 EVACUATE FROM AREA OF IMPENDING DANGER OPERATION IN EXCESS OF MAX CERTIFICATED TAKE OFF WEIGHT 3 5 PRODUCTION FLIGHT TESTING 4 DELIVERING OR EXPORT MULTIPLE AIRWORTHINESS CERTIFICATE (Check appropriate Restricted Operation and Standard of Limited as applicable above) IF DEALER, CHECK HERE -A REGISTERED OWNER (As shown on Certificate of Aircraft Registration) 9709 E. Central ADDRESS Wichita, Kansas 67201 BEECH AIRCRAFT CORP. B AIRCRAFT CERTIFICATION BASIS (Check applicable blocks and complete tirms as indicated)

ARCRAFT SPECIFICATION OR TYPE CERTIFICATION DATA SHEET (Gire No.)

AIRWORTHINESS D

AIRWORTHINESS D | ARWORTHINESS DIRECTIVES (Check if all applicable AD's completed with and git | I also it 1D No.) | I asue 80-23 3A15, Rev. 64 SUPPLEMENTAL TYPE CERTIFICATE (LIST number of each STC incorporated) AIRCRAFT LISTING (Con't page Not 1) N/A N/A EXPERIMENTAL ONLY — Enter bours flown since last certificate issues or renewed N/A C AIRCRAFT OPERATION AND MAINTENANCE RECORDS TOTAL AIRFRAME HOURS-E 3 N/A 2:25 D. CERTIFICATION—I hereby certify that I_am the owner (or his agent) of the aircraft described above; that the aircraft is registered with the Federal Aviation Administration in accordance with Section 501 of the Federal Aviation Act of 1938, and applicable Federal Aviation Regulations; and that the aircraft has been inspected and is airworthy and eligible for the airworthiness certificate requested. W.W.TautenschTager-Foreman Flight Inspection 11-21-80 Flight Inspection Will Vantenschape

A THE AIRCRAFT DESCRIBED ABOVE HAS BEEN INSPECTED AND FOUND AIRWORTHY BY: (Complete this skitton only if FAR 21.183 (6) applies) CERTIFICATED REPAIR STATION (Give Certifical No.) FAR PART 121 OR 127 CERTIFICATE HOLDER (Gire CERTIFICATED MECHANIC (Gir 6 Certificate No.) AIRCRAFT MANUFACTURES (Gire Name of Firm) SIGNATURE

(Check ALL applicable blocks) i fina that the aircraft described in Section I or VII meets the requirements for: The certification requested, or An endment or modification of its current airworthiness certificate. Inspection for a special flight permit under Section VII was conducted by: FAA Inspector; certificate holder under FAR 65, FAR 121 or 127, or FAR 145.

Porteous,

Porteous

DOA, PC#8

FAA INSPECTOR'S SIGNATURE

11-21-80 FAA Form 8130-4 (7-70)

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A. MANUFACTURER NAME	ADDRESS
B. PRODUCTION BASIS (Check applicable item)	
PRODUCTION CERTIFICATE (Give production certificate number,)
TYPE CERTIFICATE ONLY	
APPROVED PRODUCTION INSPECTION SYSTEM	
C. GIVE QUANTITY OF CERTIFICATES REQUIRED FOR OPERATING NEEDS	SIGNATURE
DATE OF APPLICATION NAME AND TITLE (Print or 1)pr)	SIGNATURE
A. DESCRIPTION OF AIRCRAFT	
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E. DESCRIPTION OF PLIGHT	TO
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PHOT CO-PILOT NAVIGATOR OTHER (Specify)	
D. THE AIRCRAFT DOES NOT MEET THE APPLICABLE AIRWORTHINESS R	EQUIKEMENTS AS POLLOWS:
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	OR SAFE OPERATION (Use attachment if necessar)
F. CERTIFICATION—I hereby certify that; am the registered own with the Federal Aviation Administration in accordance with Sect Regulations; and that the aircraft has been inspected and is airwe	or (or his agent) of the aircraft described above; that the aircraft is register (or his agent) and the Federal Aviation Act of 1958, and applicable Federal
F. CERTIFICATION—I hereby certify that; am the registered own with the Federal Aviation Administration in accordance with Sect Regulations; and that the aircraft has been inspected and is airwo	or Safe Operation (Use attachment if necessar) er (or his agent) of the aircraft described above; that the aircraft is registe ion 501 of the Federal Aviation Act of 1958, and applicable Federal Aviation for the flight described: Signature
F. CERTIFICATION—I hereby certify that I am the registered own with the Federal Aviation Administration in accordance with Sect Regulations; and that the aircraft has been inspected and is airword DATE NAME AND TITLE (Print or 1)\$4.	or SAFE OPERATION (Use attachment if necessar) er (or his agent) of the aircraft described above; that the aircraft is registed ion 301 of the Federal Aviation Act of 1958, and applicable Federal Aviation the flight described. SIGNATURE SIG
F. CERTIFICATION—I hereby certify that I am the registered own with the Federal Aviation Administration in accordance with Sect Regulations; and that the aircraft has been inspected and is airword DATE NAME AND TITLE (Print or 1)\$4.	or (or his agent) of the aircraft described above; that the aircraft is register ion 501 of the Federal Aviation Act of 1958, and applicable Federal Aviation the flight described. SIGNATURE
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F. CERTIFICATION—I hereby certify that I am the registered own with the Federal Aviation Administration in accordance with Sect Regulations; and that the aircraft has been inspected and is airwo DATE NAME AND TITLE (Print or type)	or (or his agent) of the aircraft described above; that the aircraft is registed ion 301 of the Federal Aviation Act of 1958, and applicable Federal Aviation the flight described. SIGNATURE
F. CERTIFICATION—I hereby certify that, am the registered own with the Federal Aviation Administration in accordance with Sect Regulations; and that the aircraft has been inspected and is airwood. DATE NAME AND TITLE (Print or type) X A. Operating Limitations and Markings in Compliance with FAR 91.31 as Applicable B. Current Operating Limitations Attached C. Data, Drawings, Photograph, etc. (Attach when required)	er (or his agent) of the aircraft described above; that the aircraft is registe ion 501 of the Federal Aviation Act of 1958, and applicable Federal Aviation thy for the flight described. G. Stotement of Conformity, FAA Form 317 (Attach when required) H. Foreign Airworthiness Certification for Import Aircraft (Attach when required) I. Previous Airworthiness Certificate Issued in Ascordonse with FAR CAR (Original attaches

FAA AIRCRAFT REGISTRY N CAMERA NO. 5 DATE: 6-20-84

NATIONALITY AND REGISTRATION MARKS	Z - MANUFACTURER	AND MODEL	ne 12	AIRCRAFT SERI	AL 4. CATEG	ORY
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Exceptions	1-15	N	IONE	ત્ર-∭		-
6 TERMS AND CONDITION Unless sooner surrenthis airworthiness ceperformed in occordadirated is registered.	dered, suspended, rtificate is effective once with Parts 21	revoked, or a te e as long as the L 43 and 21 of	rmination date	is otherwise estab	enance, and al	terations are

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

Area Navigation System consisting of King KNS80 and King K1206 indicator. This equipment was installed in accordance with instructions set forth in King Equipment and Installation Manuals and applicable sections of AC 90-45A.

All units are on King Compatability lists and have been verified by King to meet the Accuracy Requirements in AC 90-45A.

This system has been bench and flight checked, and is approved for enroute, terminal and approach VFR operation only.

New weight and balance computed. Equipment list updated.



ADDITIONAL SHEETS ARE ATTACHED