6	4.4
US Departr of Transpor	
Federal Av	iation

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 civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

fo	r each suc	h violation (Sectio	n 901 Fed	eral Aviatior	Act o	f 195	8).						
Make Piper			e Piper						Model PA34-220T				
1. A	urcraft	Serial No.						Nationalit	ly and Registration I	•	· · · · · · · · · · · · · · · · · · ·		
			me (As shown on registration certificate) be N. Barnhart					Address	(As shown on regis	tration ce	rtificate)	:	
2. Ç)wner		· .				production of the second	Weather	nond Oaks Dr. ford, TX, 76087		₂₀		
				. : ,			· i.	•		11.5	er en en er	:	
							or FAA Use O	nly					
•							• •		100 mg		> ,		
		•			•		v. t		e displayer e	• • • •			
		 	:		-:	4 U	nit Identificati	on			5. Type	•	
		T		: 1			· · · · ·	- I				T	
	Unit		Make			,	Model	· ·	Serial No	: ·	Repair	Alteration	
AIRFRAME —————————(As de					As des	cribe	d in Item 1 abo	ve)				×	
POM	VERPLANT					٠							
PRO	PELLER	,											
APF	PLIANCE	Type Manufacturer	· · · · · · · · · · · · · · · · · · ·	·						· · · · · · · · · · · · · · · · · · ·			
Α. Α	aencv's N	ame and Address					formity State (ind of Agency	ment	······································	C. Certific	cate No		
	· · · · · · · · · · · · · · · · · · ·	Services, Ltd.	<u> </u>				U.S. Certificate	d Mechanic		O. Certiii	cate No.		
	50 Hoovei									. IA2820	0575		
Roc	k Falls, IL	61071	•			Certificated Repair Station							
						<u> </u>	Manufacturer ied in item 4 above and described on the reverse or attachments hereto have been made in						
									on the reverse or attach on furnished herin is true				
Date							nature of Autho					.,	
		4/16/2007					Thomas	. 6	Aller	. Zi_		·	
					7. Арр	rova	I for Return T	o Service					
Pu Ad	rsuant to th ministrator	ne authority given of the Federal Av	persons s riation Adm	pecified bel inistration a	ow, the	unit	identified in iten	n 4 was in	spected in the man	ner prescr	ibed by the		
BY	FAA Inspe	Fit. Standards ector	Manuf	acturer	×	Inst	ection Authoriz	ation	Other (Specify)				
		Designee	Repair	Station		Car	son Approved b ada Airworthin	ess Group					
Date	of Approv	al or Rejection		ate or ation No.		Sign	nature of Author						
	4/1	6/2007	1 -	A2820575	i		Thomas	- 6.1	Stllwa Z				

FAA Form 337 (12-88)

Electronic Version (Adabe)

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

Removed King KMA24 audio panel and mounting tray. Removed Northern airborne Technology Ltd intercom Model No. AA83-001and Intermusic Interconnect Model No. AA82-001. Installed audio selector and 6-place intercom with standard jacks and six Bose connectors p/n: 015999, PS Engineering PMA8000B, part number 050-890-0202 in instrument panel at station 65.3. Installed per AC43.13-2, Chapter 2, paragraph 23 instrument panel mounting. Installed per PS Engineering Installation Operators Manual p/n: 200-890-0100, revision 5, dated July 2006 and Bose installation instructions for the cable p/n: 015999:

These units are FAA-Approved under TSO C50c for audio amplifiers, and/or TSO C35d for Marker Beacon Receivers, and meets appropriate environmental qualifications outlined in RTCA DO-160D as appropriate or this aircraft.

Interface to existing aircraft radios in accordance with installation manual and in compliance with practices listed in AC43.13-2, Chapter 2. all wires are Mil-Spec 22759 or 27500. Connection to aircraft dimmer bus is connected to the radio light circuit. Power is supplied to the unit through the original 5amp pull type circuit breaker located on the avionics bus.

Aircraft equipment list, weights and balance amended. Compass compensation checked. A copy of the operation instructions, contained in PS Engineering document 200-080-0100, revision 5, dated July 2006, is placed in the aircraft records. All work accomplished listed on Work Order 1652/1691.

	END			 •
•••		•	•	

US Department of Transportation Federal Aviation

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

Form /	\ppi	ove	i
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 civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

10	r eacn	such violation (Sec	ction s	OT receral Aviation	ACT O	1 1956	s).	•						
· · · · ·			Make Piper						Model PA34-220T					
7. <i>P</i>	Aircraf	i Seriai No.	-8233	3144	٠.			Nationali N202W	ity and Registration I A	Vlark	• • •	!		
2. C	wner	Joe N. Barni	Name (As shown on registration certificate) Joe N. Barnhart					Address (As shown on registration of 281 Diamond Oaks Dr. Weatherford, TX 76087			rtificate)			
						3. Fo	or FAA Use O	nly			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		
										į.				
			· 		· · ·	4. Ur	nit Identificat	ion	······································		5. Type			
	11-2	- I					······································		T	 	 			
	Unit	<u> </u>	Ma	Ke .			Model	· 	Serial No),	Repair	Alteration		
AIRF	RAME	AME (As des					d in Item 1 abo	ve)				×		
POV	VERPL/	ANT												
PRO	PELLE	₹					,							
APF	PLIANCI	Type Manufacture	,									,		
				<u>.,. </u>		Conf					<u> </u>	·		
A. A	laency	's Name and Addre	ess		6.		formity State ind of Agency	ment		C. Certifi	cate No			
		tion Services, Ltd				X	U.S. Certificate	d Mechanic	:	O. Certin	cate No.			
109	50 Ho	over Road								IA2820	20575			
Roc	k Falls	s, IL 61071				Certificated Repair Station								
D.	Icertit	fy that the renair and/	or alter	ation made to the unit(s)	identif	ied in i	Manufacturer	described	on the reverse or attact	monts borot	n have been m	ado in		
		·		t 43 of the U.S. Federal										
Date	_,	with the requirements	o o i Fai	· · · · · · · · · · · · · · · · · · ·	Aviatio					e and correc	t to the best of r	ny knowleage.		
4/16/2007						Signature of Authorized Individual Thomas G. Stillware								
							for Return T							
Pu Ad	ırsuant ministr	to the authority giv ator of the Federal	en pe Aviat	rsons specified belo ion Administration an	w, the dis	e unit i ∑	identified in iter APPROVED	n 4 was ir □ R	nspected in the man REJECTED	ner prescr	ibed by the	,		
BY		AA Flt. Standards nspector		Manufacturer	×	Insp	ection Authoriz	ation	Other (Specify,)				
		AA Designee		Repair Station		Pers Cana	on Approved I ada Airworthin	y Transp ess Grou	ort p	•				
Date	of Ap	proval or Rejection 4/16/2007		Certificate or Designation No. IA2820575		Sign	Moreson	rized Indiv	AAA -	<i>z</i>				
EA	A East	m 337 (42 99)			Florid	topio\/o		- U.	· owner					

FAA Form 337 (12-88)

Electronic Version (Adobe)

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
- Removed original nose bowls from the left and right engine cowling. Installed LoPresti Speed Merchants Seneca Nosebowls as approved under STC# SA01206AT for the Piper Seneca. All work was done IAW LoPresti Speed Merchants Seneca Nosebowl Installation Instructions part number LSM-200-402, revision E, dated July 12, 2006. Aircraft was weighed after installation and equipment list updated.

[] Additional Sheets Are Attached

US Department of Transportation Federal Aviation

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

Form Approved OMB No. 2120-0020

For FAA Use Only

%50°7500-15

Administration 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). Model Make PA-34-220T **Piper** 1. Aircraft Nationality and Registration Mark Serial No. **N202WA** 348233144 Address (As shown on registration certificate) Name (As shown on registration certificate) 3511 Silverside Rd. Ste 105 Commercial Entities LLC 2. Owner Wilmington DE 19810-4902 3. For FAA Use Only The data/alteration herein complies with applicable airworthiness requirements and is approved only for the above described aircraft subject to conformity inspection by a person authorized in FAB 43.7 asu-psd0-16 Signature Identification 5. Type Date Alteration Unit Make Model Serial No. Repair **AIRFRAME** As described in item 1 above) Х POWERPLANT PROPELLER Type APPLIANCE Manufacturer 6. Conformity Statement B. Kind of Agency C. Certificate No. Agency's Name and Address U.S. Certificated Mechanic **TK4R547M Custom Avionics** 418-S Bartow Municipal Airport Foreign Certificated Mechanic Bartow, FL 33830 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 01-29-2003 Gary DeMartino X 7. Approval for Return to Service Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is X APPROVED REJECTED Other (Specify) FAA Fit. Standards Manufacturer Inspection Authorization Inspector BY Person Approved by Transport FAA Designee Repair Station Canadian Airworthiness Group Signature of Authorized Individual Date of Approval or Rejection Certificate or Designation No. gory Re Mosteres

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. De	escription of Work Accomplished ore space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)
	2WA
l. term	The Garmin GNS 430 Color Moving Map/GPS/NAV/COM System was certified IAW AC 20-138 for IFR enroute and ninal instrument approach navigation; this 337 supplements the Garmin GNS 430 installation dated 1/13/2003.
1.	STC SA00705WI was used for data as a follow on IFR installation approval.
111.	The design and accuracy of the Garmin GNS 430 was certified by the manufacturer to meet TSO C129 class A1.
IV.	Installation data evaluation performed IAW AC 20-138 para 8 (C) (2) (iii).
V.	The aircraft was test flown IAW AC 20-138 para 8 (c) (2) (iv). See attached data sheet and pilot certification.
VI. app	Upon FAA field approval, the GPS will be placarded "GPS approved for IFR enroute and non-precision roaches".
	The aircraft flight manual was revised to include the Gamin GNS 430 operator's manual and the FAA roved aircraft flight manual supplement produced in accordance with AC 20-138 para 9 (a) and AC 20-138 pendix 1 para 2 (c).
thro and IAW	Maintenance requirements: To ensure system integrity, this system will be checked IAW the manufacturer's ntenance manual and/or manufacturer's operations manual and functional test as incorporated into the controller bugh use of the functional selector switch and the associated indicating modes. The system will be maintained prescribed in AC 20-138. This installation and IFR approval is predicted on the RNAV system being maintained the manufacturer's manual during any maintenance performed on the system. The functional check has to be formed prior to IFR operations.
IX.	Details of this installation are on file under WO #056531.
	END
	·
	Additional Sheets Are Attached

UNITED STATES OF AMERICA DEPARTMENT OF TRANSPORTATION—FEDERAL AVIATION ADMINISTRATION

STANDARD AIRWORTHINESS CERTIFICATE

1 NATIONALITY AND REGISTRATION MARKS	2. MANUFACTURER AND MODEL	3. AIRCRAFT SERIAL NUMBER	4. CATEGORY
N202WA	PIPER PA-34-220T	348233144	NORMAL

5. AUTHORITY AND BASIS FOR ISSUANCE

This airworthiness certificate is issued pursuant to the Federal Aviation Act of 1958 and certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to conform to the type certificate therefor, to be in condition for safe operation, and has been shown to meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention on International Civil Aviation, except as noted herein.

Exceptions:

NONE

6. TERMS AND CONDITIONS

Unless sooner surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator, this airworthiness certificate is effective as long as the maintenance, preventative maintenance, and alterations are performed in accordance with Parts 21, 43, and 91 of the Federal Aviation Regulations, as appropriate, and the aircraft is registered in the United States.

DATE OF ISSUANCE FAAREPRESENTATIVE DESIGNATION NUMBER

R 4-26-86

PHILLIP S. TXOUTHINE GLO7

Any alteration, reproduction, or misuse of this certificate may be punishable by a fine not exceeding \$1,000, or imprisonment not exceeding \$ years, or both. THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT IN ACCORDANCE WITH APPLICABLE FEDERAL AVIATION REGULATIONS.

FAA Form 8100-2 (8-82)

* U.S. G.P.O.:1998 669-038

				_
				,
				r
				_
				7
		4		
		*		
,				
			•	
			·	

UNITED STATES OF AMERICA DEPARTMENT OF TRANSPORTATION—FEDERAL AVIATION ADMINISTRATION

STANDARD AIRWORTHINESS CERTIFICATE

1 NATIONALITY AND REGISTRATION MARKS	2. MANUFACTURER AND MODEL	3 AIRCRAFT SERIAL NUMBER	4 CATEGORY
N8204B	PIPER PA 34-220T	348233144	NORMAL

5 AUTHORITY AND BASIS FOR ISSUANCE

This airworthiness certificate is issued pursuant to the Federal Aviation Act of 1958 and certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to conform to the type certificate therefor, to be in condition for safe operation, and has been shown to meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention on International Civil Aviation, except as noted herein.

Exceptions:

NONE

6 TERMS AND CONDITIONS

Unless sooner surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator, this airworthiness certificate is effective as long as the maintenance, preventative maintenance, and alterations are performed in accordance with Parts 21, 46, and 91 of the Federal Aviation Regulations, as appropriate, and the aircraft is registered in the United States.

DATE OF ISSUANCE FAX BEPRESENT TIVE DESIGNATION NUMBER

R 4-26-86 JAMES WESLEY ACE-05

Any alteration, reproduction, or miguse of this certificate may be purphable by a fine not exceeding \$1,000, or imprisonment not exceeding 3 years, or both. THIS CERTIFICATE MUST BE DISPLAYED BY THE AIRCRAFT IN ACCORDANCE WITH APPLICABLE FEDERAL AVIATION REGULATIONS.

FAA Form 8100-2 (8-82)

☆U.S.G.P.O.: 1994-568-762

• • • - -



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

orm Appr	oved
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).

		1.4.4											
1. Aircraft		Make Piper						Model PA_34-220T					
i. Alici	ait	Serial No.						Nationality and Registration Mark					
		34-8	3233144						3204B				
Name (As shown on registration certificate									(As shown on reg	istration o	certificate)		
2. Own	er	Mice	souri Aviat:	ion	т,	no					-		
	•	111111	DOULT EVERU	rôm	L _L .	110	•	1.00	S.E. 201	Ra•			
								пее		4701			
	3. For FAA Use Only												
							-	**					
			•			•	`						
				Τ-		4. U	nit Identificati	on			5. Type	1	
Uni	it 		Make				Model		Serial No) .	Repair	Alteration	
4105041													
AIRFRAM	1E	•••		'As d	lescri	ibed	in Item 1 abov	e)	·····		Х		
· · ·				Τ				• •			<u> </u>		
POWERP	LANT												
						_							
PROPĘLI	_ER	3							· , ,				
		Туре	3										
	_	1900									,		
APPLIAN	CE	Manufacturer											
				'	6.	Con	formity Staten	rent					
A. Agen	cy's Na	ame and Addres	s				ind of Agency			C. Certi	ficate No.		
Μ́ε	arvi	n L. McC	anles			X U.S. Certificated Mechanic				0. 00			
82	24 S	.E. 201	Rd∙			Foreign Certificated Mechanic			ADLO	0506500			
Lε	eto	n Mo. 64	761		L	Certificated Repair Station AF			AF49	499526508			
						Manufacturer							
D. I ce	rtify th	at the repair and	/or alteration made t	o the	unit	(s) ic	lentified in item	4 above	and described on t	he reverse	orattachmer	nts hereto	
			dance with the required to the best					. Federal	Aviation Regulation	ons and th	at the inform	ation	
Date							ature of Autho	rized Indi	vidual				
Ma	iv 1	5 , 1999				. 1	1 1/1		Vidgai				
					1	7U/-	-L. M	l lind	Harvin	L Mc	Canles		
	7. Approval for Return To Service												
Pursua	nt to t	he authority given	en persons specifie	d be	low,	the.	unit identified	in item 4	was inspected in	the man	ner prescribe	od by the	
Admini			Aviation Administrati	on a	nd is	•	APPROVED	<u>□</u> R	EJECTED		nor prescribe	tu by tile	
FAA Insp		Fit. Standards	Manufacturer	2	$X \mid_{lr}$	nspe	ction Authoriza	tion	Other (Specify)				
3Y	15			- -			·		_			•	
-	FAA	Designee	Repair Station		P	erso	n Approved by da Airworthines	Transport				1	
Date of A	pprova	l or Rejection	Certificate or	L_	S		ture of Author		idual				
۸	~ ~	30 1999	Designation No. 49952650	ΩΤΛ								- 1	
Au	<u>ర</u> • స)U 1777	49972070	O T P	ز [ٔ	11	1-7	1/2/	7. L.	_		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.)

The following repairs were made to right wing after a hard landing.

Replaced Rib assys. p/n 78475-09 at sta. 49.25, replaced inboard rear spar p/n 95627-02, replaced skins p/n 78622-01 (aft top inboard),95098-01 (leading edge root bottom), replaced false spar caps p/n's 67097-03 and 67689-03, replaced rt. main gear trunionp/n 39486-09. Replaced rt. flap with serviceable used part.

Left wing repair:

Replaced skin p/n 95098-00 (leading edge root bottom).

All work performed in accordance with Piper Maintenance

Manual and A C 43.13-1A, section 3, para. 95 thru 100.

UNITED STATES OF AMERICA DEPARTMENT OF TRANSPORTATION—FEDERAL AVIATION ADMINISTRATION

STANDARD AIRWORTHINESS CERTIFICATE

1 NATIONALITY AND REGISTRATION MARKS	2. MANUFACTURER AND MODEL	3 AIRCRAFT SERIAL NUMBER	4 CATEGORY
N8204B	PIPER PA-34-220T	348233144	NORMAL

5 AUTHORITY AND BASIS FOR ISSUANCE

This airworthiness certificate is issued pursuant to the Federal Aviation Act of 1958 and certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to conform to the type certificate therefor, to be in condition for safe operation, and has been shown to meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention on International Civil Aviation, except as noted herein.

Exceptions:

NONE

6 TERMS AND CONDITIONS

Unless sooner surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator, this airworthiness certificate is effective as long as the maintenance, preventative maintenance, and alterations are performed in accordance with Parts 21, 43, and 91 of the Federal Aviation Regulations, as appropriate, and the aircraft is registered in the United States.

DATE OF ISSUANCE	FAL PERSONALIES COM	DESIGNATION NUMBER
R <u>4-26-86</u>	JAMES WESLEY	ACE-05

Any alteration, reproduction, or misuse of this certificate may be punishable by a fine not exceeding \$1,000, or imprisonment not exceeding 3 years, or both. THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT IN ACCORDANCE WITH APPLICABLE FEDERAL AVIATION REGULATIONS.

FAA Form 8100-2 (8-82)

☆U.S.G.P.O.: 1994-568-762

• , .

RECEIVED

MAY 2 0 1996

FAA

US Department of Transportation

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

Form Approved OMB No. 2120-0020

For FAA Use Only

Office Identification

A50-F500-\$3

									100-	1 300	<u>ر بو -</u>
and	d dispositi	ion of this form	ı. Thi	all entries. See FAF s report is required n 901 Federal Avia	by law	FAR 43 Appendix B, a (49 U.S.C. 1421). Fa t of 1958).	nd AC 43.9 ilure to rep	-1 (or subsequent ort can result in a	revision t civil penal	hereof) for ir ity not to exc	nstructions eed \$1,000
		Make					Model				
]	Pipo	er			I	PA-34-220T			
1. Ai	rcraft	Serial No.				····		y and Registratio	n Mark		
		34	4-82	233144				204B			•
	, ,			on registration ce	rtificate	3)	Address (As shown on regi	stration ce	ertificate)	
		, /D	-					_		•	
2. Ov	wner	Dean/Dai	rre.	ll Thomas			1	Cennessee A	ve.		
		1					Atnei	ns, TN			
						3. For FAA Use O	nly				
				, r						I	
		I				4. Unit Identificati	<u>on</u>		· · · · · · ·	5. Type	7
	Unit		Ma	ke		Model		Serial No		Repair	Alteration
AIRFR	RAME	~~	····	·······················(/	As desc	cribed in Item 1 abov	(0) ••••••	***********			х
POWE	RPLANT	•									
PROP	ELLER				_						
		Туре		-							
APPLI	ANCE			ļ							
MELLI	ANGE	Manufacture	r								
					. 6	. Conformity States	nent				
A. Ag	jency's Na	ame and Addr	ess			B. Kind of Agency	,		C. Certif	icate No.	
	Av	rionics An	neri	ca. Inc.		U.S. Certificate	d Mechanic		TC4R	539M	7.7
		87 Airpon				Foreign Certific	ated Mechan	ic		Class	1-21.3
		.coa, TÑ 3				X Certificated Rep	pair Station		AF-S		
			_			Manufacturer				ment –	SS
	nave beer	n made in acco	ordar	ralteration made to see with the requir correct to the best	ements	nit(s) identified in iter of Pårt 43 of the U.S knowledge.	n 4 above ai S. Federal <i>A</i>	nd described on tl Aviation Regulatio	ne reverse ons and th	or attachme at the inforn	ents hereto nation
Date						Signature of Author	rized Indiv	idual			
	5	-/3-9	36			Thu E	Levin	White	124	16494)	6
					7. Ap	proval for Return To	Service				
Pur Adr	suant to ninistrato	the authority r of the Federa	giver al Avi	persons specifie ation Administrati	d belov on and	w, the unit identified is \(\sqrt{X} \) APPROVE		was inspected in JECTED	the man	ner prescrib	ed by the
ву		Flt. Standards ector		Manufacturer		Inspection Authoriz	ation	Other (Specify)			
		Designee		Repair Station		Person Approved by Canada Airworthine	Transport ss Group				
Date	Approv	al or Rejectio n		Certificate or Designation No.		Signature of Author	rized Indivi	dual	,		

TC4R539M

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.)

I) EXISTING WET COMPASS FROM GLARESHIELD AT STATION 70.0" AFT. REMOVED:

CIPKESHIEID VI SIVION DO O. VELT:

1) DEECISION VAIATION DELTON VERTICAL CARD COMPASS S/N 27931 ON INSTRIBED:

Installation complies with AC 43.13-1A chapter 5, section 1, para 406, 407, 228, 230, 231, 232, 233, chapter 11 section 1, para 406, 407, 409, 410, 411, section 2 para 424, 428, 429, 430, section 3 para 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, section 4 para 466, section 5 para 478, 479, 480, section 7 para 514 thru 519 and AC 43.13-2A chapter 1 para 1 thru 12, chapter 2 para 21 thru 214. All equipment installed in accordance with manufacturers installation manuals and instructions. comply.

REFER TO WORK ORDER # 9275.

COMPASS SWING ACCOMPLISHED.

COMPASS SWING ACCOMPLISHED.

☐ Additional Sheets Are Attached

UNITED STATES OF AMERICA

DEPARTMENT OF TRANSPORTATION-FEDERAL AVIATION ADMINISTRATION

STANDARD AIRWORTHINESS CERTIFICATE

A NATIONALITY AND REGISTRATION MARKS	2 MANUFACTURER	AND MODEL	3 AIRCRAFT SERIAL NUMBER	4 CATEGORY
' N8204B	Piper	PA-34-220T	34-8233144	Normal

5. AUTHORITY AND BASIS FOR ISSUANCE

This airworthiness certificate is issued pursuant to the Federal Aviation Act of 1958 and certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to conform to the type certificate therefor, to be in condition for safe operation, and has been shown to meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention on International Civil Aviation, except as noted herein.

Exceptions:

None

6 TERMS AND CONDITIONS

Unless sooner surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator, this airworthiness certificate is effective as long as the maintenance, preventative maintenance, and alterations are performed in accordance with Parts 21, 43, and 91 of the Federal Aviation Regulations, as appropriate, and the aircraft is registered in the United States.

DATE OF ISSUANCE FAA REPRESENTATIVE R. M. AGOSTINI DESIGNATION NUMBER

APR 26 1982

APR 26 1982

APR 26 1982

Any alteration, reproduction, or misuse of this certificate may be punishable by a fine not exceeding \$1,000, or imprisonment not exceeding 3 years, or both. THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT IN ACCORDANCE WITH APPLICABLE FEDERAL AVIATION REGULATIONS.

,	, i,	·			*	
	*•			•		
		·	* !	; ;		6
۸.				,	*	
		, •		·#		,
•	•	*		,	у	
	•				•	
						١,
				•		
I u						
	,	•		3		*
		ı	¥		¥ 	
		٧		h		

		DEPARTMEN	NT OF TRAN	SPORTATION MINISTRATION		Form Approved	
				MINISTRATION ALTERATION			No. 04-R060.1
	(Airfro	ime. Powernia	IK ANI	ALIERATION	CATEOR	OFFICE IDENTI	A USE ONLY
INSTRUC	TIONS, D		INT, PTO	peller, of Applic	nce) SATFSD	TOWIL	C 11
for instruc	tions and dis	nt or type all entrie sposition of this fo	es. See f orm.	'AR 43.9, EAR 43 Ap	pendix B, and AC 42	9-1 (or subsequen	t revision there
1. AIRCRAFT	1	PER			MODEL		<u>.</u>
i. Airchai	SERIAL NO	o. 34-8233314	<i>I</i> .		NATION LITY ND	REGISTRATION A	MARK
	NAME (As	shown on registratio		rte)	U.S.A. N8		
2. OWNER	1		INC.		P.O. BOX 43	ì	rificate)
	100000	×		3. FOR FAA USE O	ROB TOWN, TX	78380	
	11,75	-					·
	10 1						
		 	A HAIT	IDENTIFICATION			
UNIT		MAKE	7. UNII	IDENTIFICATION		* II	5. TYPE
-		MAKE	`	MODEL		SERIAL NO.	REPAIR ALT
IRFRAME	•	or inseressing	noon /As	described in item 1 -t	ove) eesessesses)	ATIO
· ·	- 1				ove)	******	XX
OWERPLANT							1 1
						1/2/	
OPELLER					· /	100	100
35"	TYPE					CED	-
		1				7 F 8 199	2 6.97 149
PLIANCE	MANUFACTURER				ka D	FAM SUL PRODO	Car John
					ALW	शंद वित्र	(36) (38)
Α. Δ	GENCY'S NA	ME AND ADDRES	6.			T FITC	000
					OF AGENCY	C. CERT	IFICATE NO.
0. BOX 9	EUHURAFT 155	-CORPUS CHRI	STI	U.S. CERTIFICATI	D MECHANIC	ODG WAA	
	ISTI, TX	78/69		X CERTIFICATED RE		CRS XA13	3-605K AIRFRAME
 				MANUFACTURER		T.TMTTED	PADTO
. I certify the attachment and that the	nat the repair s hereto have ne informatio	r and/or alteration been made in acc n furnished herein	n made to	o the unit(s) identify with the equirement and correct to the be	ed in item 4 above a s of Part 43 of the U		
E \			-		//	//	
AUGUST	24, 1992			STORE OF A	JTHORIZED INDIVIDU		
			7. APPRO	VAL FOR RETURN TO	CEDVICE	ANNY W. CURT	
Administrate	authority gi	iven persons specif leral Aviation Adm	fied below ninistratio	, the unit identified	in item 4 was inspecte	d in the manner	prescribed by
FAA FLT.		MANUFACTURER	1	INSPECTION AUTHORIZA)	
FAA-DE	.1.3	REPAIR STATION		CANADIAN DEPARTMENT	OR		• • •
OF APPRO	VAL OR	CERTIFICATE O		OF PURCHAFT	THORIZED INDIVIDU	ℓ	
	24 , 1992	DESIGNATION XAIS		入人	, Y / X	DANNY W. CU	•
	-7 -//~						

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

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.)

INSTALLED NEW 2030DF SYSTEM, S/N 856105, WITH FUEL FLOW SENSORS, P/N 680501, S/N 71736 AND S/N 71005. INSTALLED NECESSARY PITOT/STATIC PLUMBING TO AIR DATA COMPUTER AND PERFORMED LEAK CHECK IN ACCORDANCE WITH FAR 23.1325 AND FOUND IN COMPLIANCE. SYSTEM INSTALLED UTILIZING MANUFACTURER'S FURNISHED KIT REF. STC SA 641GL WITH MINOR MODIFICATION FIELD APPROVED 337, DATED JUNE 11, 1992. AIR DATA COMPUTER INTERFACED TO EXISTING NMS 2000 SYSTEM AND EXISTING KI-525A, S/N 18868 FOR HEADING INFORMATION. INSTALLED NEW MD26-14 INVERTER FOR BOOTSTRAP PICK OFF. 2030DF SYSTEM INSTALLED REF STC SA 5699NM.

CALCULATED WEIGHT AND BALANCE AND RECORDED.

A FUNCTIONAL TEST OF ALL OF THE EQUIPMENT LISTED ON THIS 337 HAS BEEN PERFORMED IN ACCORDANCE WITH FAR 23.1301 AND CHECKED IN ACCORDANCE WITH FAR 23.1431 FOR OPERATING SATISFACTORILY AND DID NOT ADVERSELY EFFECT ANY OTHER COMPONENTS IN THE AIRCRAFT.

CIRCUIT PROTECTION WAS INSTALLED AND ELECTRICAL LOADS WERE CHECKED IN ACCORDANCE WITH ADVISORY CIRCULAR 43.13-A, CHAPTER 11, SECTION 2, AND 43.13-2A, CHAPTER 2, PARAGRAPH 27.

ALL RADIO INSTALLATION LISTED ON THIS 337 WERE ACCOMPLISHED IN ACCORDANCE WITH ADVISORY CIRCULAR 43.13-2, CHAPTER 2.

DETAILS ON FILE AVIONICS WORK ORDER 44083.

		=	
- F			
		•	
and the second second		•	
	344		
		tion of a section of the section	
		• **	,
giran en			
	7 e 1 a 1 a	and the control of th	1
	**************************************	را را دوراد والكار توسفيه إلى شاهد بدوا أدان	أتعاضم
A contract of the contract of		re from a light with the	
			- ·
	and the second control of the second		
		Asia Ten Ariasa	
	ye ₹\$j V	The William	
 Sign of the second section for 	1 - 1 - 1 - 3 , and 15	grand the special control of	an of
	e i i i i i i i i i i i i i i i i i i i	POPPOLISE I SAME MORE AND A	A 1000
		The state of the s	
3.4	48.00	in engandina in a 1991 .	1.170
and the second s	1.1_m.		-d
and the second s		Spark and a spark and a second	
1.1276	The Company of the Co	连时 例 南京路 5	بتعيط
	da i La la calculation de la company de la calculation de la calcu		
A Capal	larde en	e Eesmelo-Bia	
그 그는 기가 가장 가장 기가 있다.			10001
€ تناور	体体 医外腺性性阴炎病		
是 美现代法、各	ADDI	TIONAL SHEETS ARE ATTA	CHED
ang nagraphic padaganang angkady dikibili terdisi bijidi fili	te distanti di Cari II. se i III. se i		
		네는 그게 들어가면 된다 하다.	100

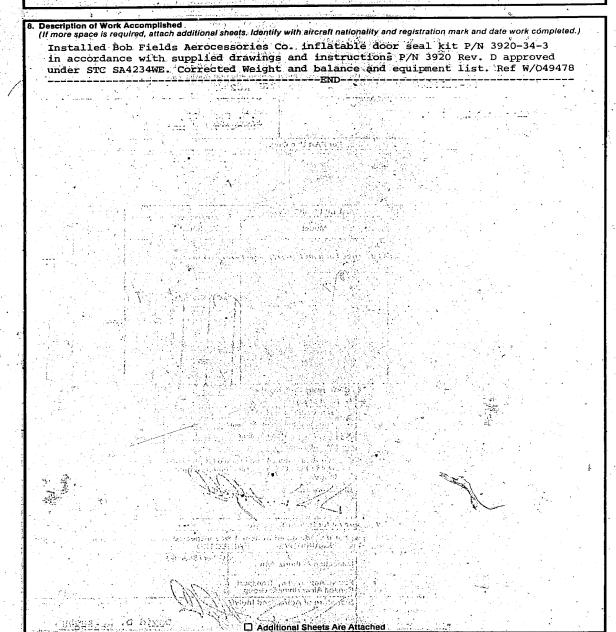
★1975-G.P.O.-1703-M/673-200/175

en erior	ne serve		<u>ى يى بىغد</u> ،		<u> </u>								ΞL	<u>) </u>	<i>l</i>		
6				e .									Appr		rò	6	
		rinen	tin transfer	ا تناب	MAJOR REP	AIR A	ŃΝ	ALTERATI	ON			OME		2120-00			
		origion	(/	\irfr	ame, Powerp	lant, i	Pro	peller, or Ap	pliance	2)(2		-		r FAA L		nly ·	
Fec Ad	ierui / minisi	Aviation tration		ب	a and a second seco			Temperatura de Laboratoria de Constitución de	T	SAT-	FSD	O SW	1 7	tificatio	4		
an	ic dis	spositi	on of this fo	rm. Ti	all entries. See FA nis report is require on 901 Federal Avi	ed by la	w (49	U.S.C. 1421) F	ailure to re	nort car	résult	uent revi	sion ti	hereof) Ity not to	for in	struct eed \$1	ions ,000
12.5			Make:		ont in Land in Land				Model	i	· :		: -	J. 177.	:		··
1. A	Ircra	ift	Pi Serial No.						National		34-2 Renistr		rle · ·				
4.					4-8233144			عروف أن ويولون وراهد	Vational USA N		<u> </u>						٠.
		*			on registration c	ertifica	te)		Address	(As sho	wn on	registrat	ion ce	ertificate	e)		
2.0	wne	,			lar INC.	-		• .	P.O	Box	431		-				
			· · · }	1					Rob.	stown	, Te	xas 78	338c				-
		۵,				74	3.	For FAA Use O	niy								•
-		-			•		-					. 4			-		
-	٠.			4	•				-								
		**									4-						
		- '	-	. A.					14 (42)								-
					<u> </u>		4 1	<u> </u>		<u> </u>			ě				1
<u> </u>	-						4.	Unit Identificati	on '			<u> </u>		5. Typ	e		
	Unit			М	ake *			Model			Seria	No.		Repa	iir	Alter	ation
AIRFF	RAML	-	~	••••	***************************************	(As des	cribe	ed in Item 1 abov	(a) 			•••				x	x
POWE	RPL	ANT						-				22	1	uzs Te	υ its	-DTS	
·						<u> </u>	2				B10	12 Z	7	KI-C -	===	-	
PROP		R								AEG	EIW		EFVES	L	38. 610	Date ficial	
		-	Type			ļ				(4)	324	AUC -	- b	332	C. T.	DIV	
APPLI	ANC	_F [· .	1,5	ATTV	816	FARS	AT FEE	GE 4	(1.1. (1.5.)	62W	
	-	•	Manufactur	er.	•] .	es.		-	A27	A40	BTC BTC			- -		
				-		<u> </u>	6 C	onformity Staten	ant .	<u> </u>	لببا		<u>_</u>				
A. Ac	enci	v's Na	me and Add	ress	· · · · · · · · · · · · · · · · · · ·			Kind of Agency	rein			16.	20-4161	cate No			
	, 4.1.0	, , , , , ,					1	U.S. Certificated	Machania			- 10: 0	Jerun	cate No)		
Hé	dr	ick	Beechcra	ıft	Corpus Chris	sti	1	Foreign Certifica		nic		_					
			on Dr.		2		XX	T		iiic				() () ()			
Co	rpı	ıs C	hristi,	Tex	as 78406		AA	Manufacturer	an oldtion			^	777	605K	<u>.</u>		
D.	l cert	tify the	at the repair a	and/c	r alteration made t	o the u	nit(s)	identified in item	4 above a	ind desc	ribed o	on the rev	erse c	rattach	men	ts here	to
, 1	iurni	shed I	nerein is true	and	correct to the best	t of my	knov	vledge.		.//	77	allons at	io ina	it the ini	iorma	tuon	
Date					. 4		Shg	inature of Autho	rized h						_		\neg
-	٠.	, 0	7-24-92					7.>>	11		· · ·	David	D. :	Holzs	chu	h	
						7 Ar	nmy	al for Return To	Sarvice		· .				-		
Purs	suan	t to th	ne authority of the Feder	giver	n persons specifie	d belo	w, th		in item 4	was in:	specte	d in the	manņ	er pres	cribe	d ∕jáy ti	he
1			It. Standards	1	Manufacturer	ľ	<u> </u>	ection Authoriza	14.5		(Speci	fy)	7		<u> </u>		1
3Y		FAA D	esignee	xx	Repair Station		Pers	son Approved by ada Airworthines	Transport s Group	1,	M	7					
ate o	fAp	proval	or Rejection	1 .	Certificate or		Sign	vature of Author	ized Indivi	M	בענו			3 3 1			
07	/24	/92		. •	Designation No. XA13-605K			12/2	<i>>∙1</i>	4/201		David	l D.	Holz	schi	uh	
	<u> </u>		;						alandar et e	//	.a						

the same of the same will be a supplied to the same of the same of

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.



+U.S.GPO:1989-0-663-171

White and the street will be the street of t

US Departmen of Transportation Federal Aviation	Airframe, Powerp	AIR AND ALTERAT lant, Propeller, or A	ppliance)	Office Ide	For FAA Use	<u> </u>
INSTRUCT and disposi for each su	TIONS: Print or type all entries. See F/ ition of this form. This report is requir ch violation (Section 901 Federal Av	AR 43.9, FAR 43 Appendix B ed by law (49 U.S.C. 1421). I iation Act of 1958).	and AC 43.9-1 (or subse			nstructions ceed \$1,000
	Make PIPER	3.	Model			
1. Aircraft	Serial No.		, PA	34-220T		
	34-8233144		Nationality and Regis N8204B	tration Mark		
	Name (As shown on registration c	ertificate)	Address (As shown or	n registration o	certificate)	
2. Owner	ATLAS TUBULAR IN		PO BOX- ROBSTOW	431 N TX. 7		
	THE DATALITY OF THE PROPERTY O	NESS REQUIREMENTS AND IS APP AIRCRAFT SUBJECT 19 CONI THORIZED IN FAR ASJ.	Inly COMPLIES WITH APPLICABLE ROVED ONLY FOR THE ABOVE OF		ħ.	
		4. Unit Identificat	ion		5. Type	<u> </u>
Unit	Make	Model	Seria	ıl No.	Repair	Alteration
AIRFRAME	***************************************	'As described in Item 1 abo	ve)	··· /		x
POWERPLANT	The control of the co	HALLANA CE	A10 B10 A0 A50 B1W	JN 2 - 1991	510 B10 520 B20 61W B30	
PPLIANCE	Type Manufacturer	ကြောင့် မြော်မှု ရှိနှင့် အကြောင်းသည်။ ရှန်း (အင်္ဂ သူ့လျှောင်း သည်းကြောင်း)	AZW A40 ATC	FAA SAT-FSDO	COM DOW	
. Agency's Na	nme and Address	6. Conformity States				i
		B. Kind of Agency U.S. Certificated		C. Certif		
SU	YORK FLYING MACHINE CO. NRISE BEACH, TX 78643 3-9018 FAA C.R.S FMZR327K	Foreign Certific X Certificated Rep Manufacturer	ated Mechanic	L	IZR327K MITED I	
furnished I	at the repair and/or alteration made to made in accordance with the require herein is true and correct to the best	the unit(s) identified in iten	. Legeral Malation Heart	on the reverse of lations and the	or attachmen at the informa	ts hereto ition
ate 5-	29–1992	Signature of Autho	rized Individual	mach	0 -/k	EM
Pursuant to the	e authority given persons specified of the Federal Aviation Administration	7. Approval for Return To	in item 4 was inserted	d in the mann	er prescribo	t by the
FAA F	It. Standards	Inspection Authoriza	lous so		3. F-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	
FAA D	Repair Station	Person Approved by Canada Airworthines		and the second	ering fish in the collection of the collection o	35. 5
ite of Approval	Designation No.	Signature of Author	ized Individual কিল্লেক্স	E AN DE FOR	erigination in the	
6-15	92 FMZR32716	165 181	A Talking abuse a seco	entri costa, s	Conflict Conflict	· · ·

G

A THER WITH SHEET STORE STORE

The state of the s

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 airworth less requirement.

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 APOLLO 2020 GPS sensor to the existing APOLLO NMS

2001 system. per STC SA5699NM.at. station 54.00".

All work was done in accordance with manufacturers instructions.

- GRECOPY A YORK

grange Apin ared in which Component and system installation of this equipment listed on this 337 were accomplished in accordance with AC 43.13-2A, Chapters 1 and 2.

Alrcraft structural and metal work were accomplished in the lactor of th

Electrical load, circuit protection and wire installation were accomplished in accordance with AC 43.13-1A, Chapter 11, Sections 2, 3, 4, 5 and 6.

Antenna installation in accordance with manufacturer's instructions and AC 43.13-2A, Chapter 3.

The aircraft equipment list is revised to reflect these changes; weight and balance data was revised and placed in aircraft records. The approved flight manual was updated.

A functional test of the installation described in this 337 was performed in accordance with FAR 23.1301 and FAR 23.1431. Operation was satisfactory and the installation did not adversely affect existing component and systems in the aircraft.

Theaircraft was placard "NAVIGATION MUST NOT BE PREDICATED ON THE USE OF GPS ALONE".

***OF MILESTATION FOR THE NAVIGATION OF THE USE OF OF THE HE HE WAR 53 harves produce a countracte, hadress (4.5) a montacte (2.1) and (2

PARE SOUR

The state of the s

(Y LINE A PART MARIE NACIONAL CLASS (WIES)

2008 GROUND

2018 GROUND ☐ Additional Sheets Are Attached

· 老部 有好见 37

THE RESERVE OF THE PARTY OF THE

U.S.GPO. 1991-0-568-012/40035

Control of the State of the Sta Wenter of the second of the se

US Department of Transportation Federal Aviation Administration	(Airfra	IAJOR REPA me, Powerpla	IR ANI	DALTERAT	FION Appliance	SAT-F	3. 30 L		proved / p2120-0020 For FAA Usentification		_
and dispositi	ONS: Print or type on of this form. This violation (Section	s report is required	by law (19 U.S.C. 1421).	Failure to re	eport can r	esult in a	it revision civil pen	thereof) for	rinstruction	ns 00
1. Aircraft	Serial No	8 233144	i 3480 159 2(√	TO SHEET TO A COLOR OF THE COLO	Nationa	PA-34	egistratio	on Mark	e jemen ser		
2. Owner	Name (As shown ATLAS TUBL	on registration ce		n p #4408	Address	As show	n on reg 431	istration	certificate)	9	*
			3	. For FAA Use	Only			•			-
					DESCRIBED PERSON AUT	AIRCRAFT	eixents / Subject	NO IS APP	ひついこい ひとりひ	TH APPLICAB FOR THE ABO PECTION BY	
7				. Unit Identific	ntion	Date		FA	Ipopostor EA	T FEDO	<u> </u>
Unit	Ма	ke	5	Model	enou .		Serial No	o.	5. Type Repair	Alterat	ion
AIRFRAME		مرانی مرانی	As descri	bed in Item 1 al	ove)					XX	
POWERPLANT						A160 B1	N A3	Ape	USS CIT	5 51% 5 51%	
THOI ELLEN	Туре	7 N. 3		<u> </u>	-	ANY SI		JN 25	1992		
APPLIANCE	Manufacturer					A300 A		301.45	ore can		
				Conformity Sta	tomont	<u> </u>			-	 _	_
A. Agency's Na	me and Address	2		3. Kind of Ager		-:		C. Cer	tificate No.		
HEDRICK H	BEECHCRAFT-C			U.S. Certifica	ated Mechani ificated Mech			1	XA1360	5K	
	9155 CORPUS		x -	XX Certificated I		1.				****	
have been	at the repair and/or made in accordan herein is true and i	ce with the require	of my kn	Part 43 of the owledge.	U.S. Federa	Aviation I	ibed on t Regulati	he revers	e or attachi that the info	nents heret ormation	0
Date JUNE	11, 1992			Signature of Au	thorized Ind	lividual		DANN	y w. cu	RTIS	•
B. Maria	h			oval for Return							_
	he authority given of the Federal Avi			X APPRO		REJECTED	<u> </u>	n the ma	nner presc	ribed by the	э
FAA F Inspe	lt. Standards ctor	Manufacturer)	Ir	spection Author	rization	Other (Specify)				
FAA (Designee X	Repair Station		erson Approved anada Airworth	~~~		/ () ——			· · · · · · · · · · · · · · · · · · ·	
Date of Approva	l or Rejection	Certificate or Designation No.	\s	ignature of Aut	horized Ind	ividual					

A MANAGERATE OF SELECTION

以为一种

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.

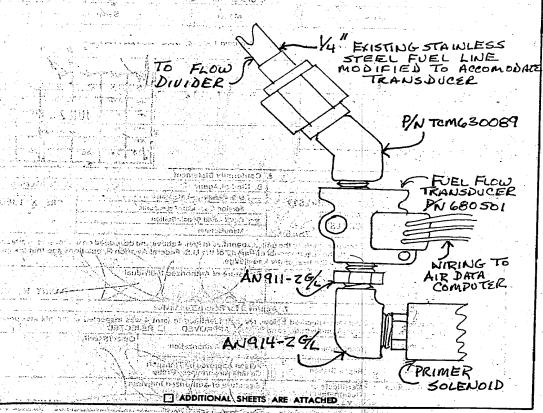
INSTALLED SHADIN FUEL FLOW TRANSDUCERS, P/N 680501, S/N'S 71376 AND

TRANSDUCERS, P/N 680501, S/N'S 71376 AND Identify with air-7%005, PER S.T.C. SE624GL WITH VARIATIONS SHOWN IN DRAWING BELOW.
DETAIL DUPLICATED ON BOTH SIDES. TRANSDUCERS INTERFACED TO IIMORROW
AIR DATA COMPUTER, P/N 430-6018-000, S/N-856105. SEE FORM 337
DETAILING COMPUTER INSTALLATION.

DETAILS ON FILE AVIONICS WORK ORDER #44083.

Sarker ...

- १८ है । सर्व



★1975-G.P.O.-1703-M/673-200/175

是於宣言論語列時當時於

FAA

2		MA JÓD DEDAID A	ND ALTERATI	ON:		Form Appro OMB No. :		
US Department		MAJOR REPAIR	and the second second				r FAA Use C	nly
of Transportation Federal Aviatio		ame, Powerplant,	Propeller, or Ap	pliance)		Office Iden		
Administration						5W17	BY	· · ·
and disposit	ion of this form. Th	all entries. See FAR 43.9 his report is required by le on 901 Federal Aviation A	aw (49 U.S.C. 1421). F	and AC 43.9- ailure to repo	1 (or subsequer ort can result in	nt revision t a civil pena	hereof) for in Ity not to exc	structions eed \$1,000
	Make	5 7555		Model				
1. Aircraft	Serial No.	PIPER			A34-2201 and Registrati		`	
<u>.</u>		34-8233144		1	N8204B			·
	Name (As show	n on registration certifica		1	As shown on reg	gistration c	ertificat e)	
2. Owner	ATLAS '	TUBULAR INC.	ा स्था अनुस्य हो। जन्म	i .	OX 431 FOWN TX 7	78380		•
		The second secon	3. For FAA Use O	<u> </u>				
÷	12.4		។ នគ្នាស់របស់					
		12.5	es trains	5 534			•	-
i						3 -	* .	
¥		Carteria Carteria Carteria	er sa sasses	Escaphism F	Section Control			
		The second of the second	4. Unit Identificat	lon, : 🕆 , ; _{o r}			5. Type	
Unit	м	ake	Model		Serial N	ο.	Repair	Alteration
		a hyabata a m						·
AIRFRAME	*****	······(As de	escribed in Item 1 abo	VO)	·····			xx
POWERPLANT			a anglesia (s. 1945). Tanggaran	1	ATS BTS U	16 Med		DIO
			isaa iyaa iyaa iyaa Waxaa ahaa	.,,	A20 BIW	neceivel	(,,,	
PROPELLER				Zi i e 🕝	ASO BZW	MAR 13	1992	DHW
	Турв	មានក្រុម ខេត្ត <mark>ស្</mark> តា នៅ			1	VTC		D 32.5
APPLIANCE	Manufacturer		to the second	5 - 1 x +	WEA WEA	310	94C 111	<u> </u>
-			Francisco de la composición dela composición de la composición dela composición de la composición de l					ĺ
		. 355-2016-0-0- <u></u>	6. Conformity State	ment	· /			
A. Agency's N	ame and Address	A CHINE CO	B. Kind of Agenc		·	C. Certi	licate No.	
PIPPEN/Y	RISE PLEING N	MACHINE CO.	U.S. Certificate		<u>. %.</u>	4		
015 388	-9018 FAA C.R.S	- FMZR327K	Foreign Gertific		ic .	FMZR	275	
313 - 300	->0101777 C.163		Manufacturer	pan Siauon) Z / K	
have bee	n made in accorda	or alteration made to the ance with the requirement correct to the best of m	nts of Part 43 of the U.	above ac S. Federal A	nd described on viation Regulat	the reverse ions and th	or attachme at the inform	nts her ato nation
Date			Signature of Auth	orized Indivi	idual			
	. 3-12	1-92	Bill	2,-		- ·		•
		7. /	Approval for Return T	o Service				
Pursuant to Administrate	the authority give or of the Federal A	en persons specified bel viation Administration a	low, the unit identifiend is xxx APPROVE	d in item 4 D □ RE	was inspected JECTED	in the man	ner prescrib	ed by ine
FAA Insp	Fit. Standards ector	Manufacturer	Inspection Authoriz	ation	Other (Specify)		
1 1	Designee X3	Repair Station	Person Approved b Canada Airworthine	y Transport ess Group			s, .	
Date of Approv	al or Rejection	Certificate or Designation No.	Signature of Author	orized Individ	dual		·	
3-10	- 92	FMZR327K	6 136	· —	·			
- 0		I PULKSE / K		//	, , , , , , , , , , , , , , , , , , , 			

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.)

Removed Narco AR850 encoder.

Installed IImorrow NMS2001 with 2010 loran receiver and Apollo remote encoder.

Aircraft was placard "LORAN C FOR VFR USE ONLY", 1997 17 17 17

The altimeter and automatic pressure altitude reporting system has been tested and inspected per FAR 91.217 and found to comply. The transponder has been tested and inspected per FAR 91 413, and found to comply with appendix F of Part 43.

Component and system installation of this equipment listed on this 337 were accomplished in accordance with AC 43.13-2A, Chapters 1 and 2.

Aircraft structural and metal work were accomplished in accordance with AC 43.13-2A; Chapter 1 and AC 43.13-1A, Chapter 2, Section 3. Aircraft hardware used was in accordance with AC 43.13-1A, Chapter 5, Section 1.

Electrical load, circuit protection and wire installation were accomplished in accordance with AC 43.13-1A, Chapter 11, Sections 2, 3, 4, 5 and 6.

Antenna installation in accordance with manufacturer's instructions and AC 43:13-24, Chapter 3.

The aircraft equipment list is revised to reflect these changes; weight and balance data was revised and placed in aircraft records. The approved flight manual was seried 1800 and updated as required. updated as required.

A functional test of the installation described in this 337 was performed in accordance with FAR 23.1301 and FAR 23.1431. Operation was satisfactory and the installation did not adversely affect priction for accordance with the installation. did not adversely affect existing component and systems in the aircraft.

> --END English to the second

A neighborent

Park man assess Additional Sheets Are Attached

The information normally furnished in Section VIII is on file as part of the historical inspection record at Piper Aircraft Corporation: Current Airworthiness Certificate issued I/A/W FAR 21.183 (a) PER 21.273. Form Approved Budget Bureau No. 04-R0058 DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION Budget Bureau No. 04-RC INSTRUCTIONS—Print 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. APPLICATION FOR AIRWORTHINESS CERTIFICATE . REGISTRATION MARK 2. AIRCRAFT BUILDER'S NAME (make) N8204B AIRCRAFT MODEL DESIGNATION 4. YR. MFG. Piper FAA CODING 5 AIRCRAFT SERIAL NO. PA-34-220T AIRCRA 6. ENGINE BUILDER'S NAME (muke) 34-8233144 . ENGINE MODEL DESIGNATION Continental 8. NUMBER OF ENGINES TSIO-360-KB/LTSIO-360-9. PROPELLER BUILDER'S NAME (muke) McCauley APPLICATION IS HEREBY MADE FOR: (Check applicable items) 3AF32C508/3AF32C509 A 1 X STANDARD AIRWORTHINESS CERT. (Indicate category) *NORMAL UTILITY XXXXXXXXXXX SPECIAL AIRWORTHINESS CERTIFICATE (Check appropriate items) ACROBATIC TRANSPORT REQUESTED 5 PROVISIONAL (Indicate class) CLASS II 1. AGRICULTURE & PEST CONTROL RESTRICTED (Indicate operation(s) to 3 CERTIFICATION AERIAL SURVEYING 3 AERIAL ADVERTISING WEATHER CONTRO FOREST (Wild life conservation) 5 PATROLLING 0 OTHER (Specify) 6 EXPERIMENTAL (Indicate operation(s) RESEARCH AND DEVELOPMENT 1 . 2 AMATEUR BUILT 4 RACING 3 EXHIBITION CREW TRAINING o TO SHOW COMPLIANCE WITH FAR 6 MKT SURVEY SPECIAL RIGHT PERMIT (Indicate operation to be conducted then complete Section VI or VII us applicable on reverse side) FERRY FLIGHT FOR REPAIRS, ALTERATIONS, MAINTENANCE OR STORAGE -1 2 EVACUATE FROM AREA OF IMPENDING DANGER OPERATION IN EXCESS OF MAX. CERTIFICATED TAKE-OFF WEIGHT 3 4 MULTIPLE AIRWORTHINESS CERTIFICATE I Check appropriate Restricted Operation and Standard or Limited as applicable above) A. REGISTERED OWNER. (As shown on Certificate of Aircraft Registration) Piper Aircraft Corporation IF DEALER, CHECK HERE B. AIRCRAFT CERTIFICATION BASIS (Check applicable blocks and complete items as indicated) P.O. Box 1328, Vero Beach, Fla. CERTIFICATION AIRCRAFT SPECIFICATION OR TYPE CERTIFICATION DATA SHEET (GIV No. and Revision No.) AIRWORTHINESS DIRECTIVES (Check if all applicable AD's complied with and give A7SO Rev. 9 AIRCRAFT LISTING (Gire puge No(1).) 82-07 SUPPLEMENTAL TYPE CERTIFICATE (List number of each STC incorporated) C. AIRCRAFT OPERATION AND MAINTENANCE RECORDS OWNER'S CHECK IF RECORDS IN COMPLIANCE WITH FAR 91.173 TOTAL AIRFRAME HOURS—BRENZHYNEN WHEN WHEN X 3 or reneared 5.80 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 Act of 1958, and applicable Federal Aviation Regulations; and that the aircraft has been inspected and is airworthy and eligible for the airworthiness certificate requested. 넡 J. Tiffany A. THE AIRCRAFT DESCRIBED ABOVE HAS BEEN INSPECTED AND FOUND AIRWORTHY BY: (CONT.) FAR PART 121 OR 127 CERTIFICATE HOLDER (Gire Certificate No.) olete this period only if FAR 21.183 (d) applies) CERTIFICATED MECHANIC (GITE CERTIFICATE No.) CERTIFICATED REPAIR STATION (Give Certificate AIRCRAFT MANUFACTURER (Gire Name of Firm) 5 TITLE SIGNATURE (Check ALL applicable blocks) I find that the aircraft describes in Section I or VII meets the requirements for: 😿 The certification Teners ALL applicable blocks, I find that the direction of the current of worthiness certificate. Inspection for a special flight permit under section VII was conducted by: FAA inspector; certificate nolder under FAR 65, FAR 121 or 127, or FAR 145. DATE ASO-EMDO FAA INSPECTOR'S SIGNATURE R. M. AGOSTINI 7-0-43 FAA Form 8130-6 (7-70) DOA

	그런 함께 하다가 그 모습니
	المراجعين المحادث والمهارة والمحادي والمتعج
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
The later of the first of the control of the contro	
그는 그는 그들은 그는 모양이는 선생님이 모양되었다면 하는 사람들이 살아 있다. 그는 그는 사람들은 사람들은 그는 그는 그는 사람들은 그는 그를 살아 먹는 것이다.	ration of the state of the stat
The second state of the second	영화를 보는 하는 이 🚓 .
and the second of the second s	
and the state of t	
The state of the s	
그는 그	강기 왜 시원했다. 그렇다
。	
and the control of th	
The second of th	Portugal de la companya de la compa
Variation and the figure of the first of the	to the state of th
	est of the control of the control
	والمراجع والخراج والمراجع
The state of the s	
The same of the same is the same of the sa	
Compared to the compared of the compared by the compared of th	
Company Compan	
The figure of the state of the state of the figure of the state of the	
The state of the s	
The state of the s	
ASSISTED TO THE RESERVENCE OF A PROCESS OF A STATE OF A	
ACCION TRANSPORT CONDITION CONTINUES OF THE CONTINUES OF	
and the state of the	
AND THE STATE OF T	
or of the latter of the wind of the control of the	
and the first of t	
and the first of t	
o o o o o o o o o o o o o o o o o o o	
03 - (A) - (B) - (A) - (	
03 - (A) - (B) - (A) - (	
All SO THE SOURCE STATE OF	
All SO THE SOURCE STATE OF	
All SO THE SOURCE STATE OF	
03 - (A) - (B) - (A) - (	
All SO THE SOURCE STATE OF	
All SO THE SOURCE STATE OF	
Control of the second s	
All SO THE SOURCE STATE OF	
Control of the second s	
Control of	
Control of the product of the control of the contro	
Control of the product of the control of the contro	
Control of the product of the control of the contro	
All SS And All the State of the	
All SS Commence of the commenc	
All SS Commence of the commenc	
All SS Commence of the commenc	
Control of the second state of the second stat	
CO-CS  Compared to the second	
Company of the second s	

DEPARTMENT O	F TRANSPO	RTATION-	S OF AMERI	CA	DMINISTRATION
	DARD A	RWORT	INESS	CERTIFI	CATE
REGISTRATION MARKS	Piper (	ND:MODEL	AV	AIRCRAFT SER	A CATEGORY
comprehensive and detai Aviation, except as nated Exceptions:	cate/is issued proceed to which	ursuant to the issued has been excition, and has a code as provide	ederal Aviation Inspected and Losen shown led by Annex	Act of 1958 of 160 and 1958 of	nd certifies that, as of It orm to the type certifica virements of the applicab ultian on International Giv
TERMS AND CUNDITIONS Unless soquer surrendered this airworthiness certifica performed in occordance aircraft is registered in	the United Stat	3, and 91 of the les.	nation date is different date.	otherwise estable ventative mainte in Regulations.	ished by the Administrator nance, and alterations are as appropriate, and the
APR 2 6 1982	FAA REPRESEN	17/W 15R	M. AGO	STINI	DESIGNATION NUMBER
ny alteration, reproduction, isonment not exceeding 3 y NCE WITH APPLICABLE FED	or misuse of thi	s certificate play	be punishable	e by a fine not	exceeding \$1,000 1

the free frame and with