US Department
of Transportation
Federal Aviation
Administration

Form Approved OMB No. 2120-0020 11/30/2007	Electronic Tracking Number
	For FAA Use Only

of Transpo Federal A Administr	ortation Aviation	(A	\irfran	ne, Po	owerplant, f	Prop	eli	er, or Appl	iance)				
instruct	tions and di iolation. (49	ispositio	n of this §46301(	form. (a))	This report is re								bsequent revision thereof) for esult in a civil penalty for each
such violation. (49 U.S.C. §46301(a				stration	n Mark				Serial No. 28-2097				
1. Aircra	ft Make								Model				Series
				roginte	ration partificate				PA-28-180	- <b>h</b>		riotrotio n	and if in the
	N86	•	<i>nown on</i> lying Clu	-	ration certificate C	)			Address (As a Address 22 Ri			gistration	cermcate)
2. Owner	'		,						City Maum			Cour	state AR state USA
							3. F	For FAA Use	<u> </u>				
4.	. Туре						5. l	Unit Identifica	itlon				
Repair	r Altera	tion	Unit	1		Mal	(e			Мо	del		Serial No.
		AI	IRFRAM	ΙΕ					(As describe	d in	item 1 a	ibove)	
		PO	OWERP	LANT					ě				
		PF	ROPELL										
		AF	PPLIAN(	CF -	Type Manufacturer								
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	onald R. A						7	<del></del>	y Ited Mechanic			Mar	nufacturer
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_	onoke 2086	Country	USA		_ State <u>AR</u>	— <u> </u>	$\dashv$	Certificated R		'=atio		53066	1801
D. I ce hav furr	ertify that the e been made nished here	ne repair de in acc in is true	and/or a	e with to	the requirement the best of my	ts of F know	Part /led	dentified in ite 43 of the U.S. ge.		des	cribed c	n the rev	verse or attachments hereto at the information
	f range fuel FR Part 43			Signat	ture/Date of Aut				2 A#	10 11	76	mΩ	
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Pursua: Adminis	nt to the a	authority e Federa	given al Aviatio	persor on Adm		elow,		ral for Return e unit identifi	<del> </del>		inspecte Rejecte		e manner prescribed by the
BV	FAA Fit. S Inspector		is	Manu	ufacturer		Ma	intenance Org	ganization			ns Approve tment of T	ed by Canadian ransport
BY	FAA Desi	gnee		Repa	air Station	×	Ins	spection Author	orization	Othe	er (Spe	cify)	
Certificate Designation 5306618	on No.		1	Signat	ture/Date of Aut	horiz	ed I	Individual	Z_A	00 11	20	DB DB	

# Work completed for [N8031W] on

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.

N8031W

2 April 2008

8. Description of Work Accomplished

Nationality and Registration Mark

Date

Removed Narco 841 ADF unit, tray, indicator, antenna and wiring.

Installed Apollo 604 Loran.

Installed Sigtronics SPA-400 TSO intercom

All avionics are installed in the original Piper PA-28 avionics location using approved techniques outlined in AC 43.13-2A. Units are wired together using the avionics manufacture's wiring diagrams and installation manuals. An Avionics buss with primary master switch is installed to isolate the avionics from the aircraft main power buss. All avionics are wired through appropriately rated circuit breakers. The intercom is wired to the aircraft buss through a 1 amp circuit breaker.

An electrical load was computed and checked in accordance with AC 43.13-1B chapter 11.

Aircraft Weight & Balance was computed this date.

Aircraft Equipment list updated.

For continued airworthiness inspect and operate avionics in accordance with manufactures operation manuals and common practices and techniques.

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OMB No	. 2120-0020

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Federal Aviation 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 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).

		Make						Model BA	. 20 4	180			
		PIPER						PA	-28-1	100			
1. Airc	craft	Serial No. 28-20	97			-		Nationality N8031W		Registration N	fark		
2. Ow	ner	Name (As shown on registration certificate) ROBERT BRECH						Address 117 PINN	(As si	hown on regis E DRIVE A, AR 71923	tration ce	rtificate)	-
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		4.5.4			4.	Uni	t Identificati	on				5. Type	
	Unit	ı	Make				Model			Serial No	·	Repair	Alteration
AIRFR	AME	(As described in Item 1 above)								×			
POWE	RPLANT								1.12				
PROPE	ELLER												
APPLI	IANCE	Type Manufacturer											
				<u> </u>	6. C	onfo	ormity State	ment	<del>.</del>			<u> </u>	
A. Ag	ency's N	ame and Address	S				nd of Agency		<u>]</u> ·		C. Certi	ficate No.	
WILL	IAM P. H	IELMS				X	U.S. Certificate	d Mechanic					
770 C	ENTRA	L ROAD			L	Foreign Certificated Mechanic			nic :	431942			76
ARKA	DELPH	IA, AR 71923			$\vdash$	Certificated Repair Station			<del>.</del>		-		
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			f Part 43 of the U.S. Fed						ŧ				
Date							ature of Autho				1	//	
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				7. A	ppro	val	for Return T	o Service	· .				
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BY		Fit. Standards ector	Manufacturer	;	× "	nspe	ection Authori	zation		Other (Specify	1)		
	FAA	Designee	Repair Station			Cana	on Approved ada Airworthir	néss Grou	р [				
Date		val or Rejection PRIL 2006	Certificate or Designation No IA431942		18	Signa	ature of Autho	orized Indiv	vidual	Dis			
FA	A Form 3	37 (12-88)	1 1043 1942		Electron	nic Ve	ersion (Adobe)	ny	<del>_</del>	TIV	m		

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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

11 APRIL 2006 PIPER PA 28-180 SN 28-2097 INSTALLED STC SA4008NM MODIFICATION OF BATTERY BOX FOR REMOVABLE PANELS IN ACCORDANCE WITH BOGERT AVIATION DRAWING LISTED ON FAA APPROVED APPROVED MODEL LIST OF STC SA4008NM DATED APRIL 12 2004. FAR PART 43 AND APPLICABLE OWNERS MANUAL ARE ADEQUATE TO ENSURE CONTINUED AIRWORTHINESS OF THIS MODIFICATION. WEIGHT AND BALLANCE CHANGE IS NEGLIGIBLE. THIS STC IS COMPATIBLE WITH STC SA 3531NM

----- END -----

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<b>C</b>
US Department of Transportation
Federal Aviatio

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OMB No. 2120-002

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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).

for e	each suc	n violation (Secti	on 90	)1 Federal Aviatio	n Ac	t of 1	958	<b>5).</b>		,				Ì
		Make PIPER			***				Model P/	A-2	8-180			
1. Air	craft	Serial No. 28-2097					Nationality and Registration Man				1ark			
2. Ov	vner	Name (As show ROBERT BRE	vn or CH	registration cert	ificat	te)	Address (As shown on registration certificate) 117 PINNACLE DRIVE ARKADELPHIA, AR 71923							
						3	. Fo	r FAA Use O	nly			*****		
					-					1				-
						4	. Ur	nit Identificati	on	1			5. Type	
	Unit		Mak	:e	,			Model			Serial No		Repair	Alteration
AIRFR	AME	_		,	(As d	descri	ibec	d in Item 1 abo	ve)		) 			×
POWE	ERPLANT										{ :			! <u>.</u>
PROP	ELLER										; i.			
APPL	IANCE	Type Manufacturer												
								formity State	ment		-	l a a		
		ame and Addres	s			<del>- i</del> .	7	ind of Agency			š	C. Certifi	cate No.	
770 C		L ROAD				Ė					43194217	6		
MKIN	ADELPH	IA, AR 71923		٠		H	Certificated Repair Station  Manufacturer			† · ·				
	-	•		ation made to the unit	` ,			item 4 above and						
Date		11 APRIL 2	2006			7	Sign	nature of Autho	orized Indiv	vidu	al			
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ву		Flt. Standards ector		Manufacturer		$\stackrel{\sim}{\perp}$		ection Authoriz			Other (Specify)	,		
		Designee		Repair Station		- 0	Can	son Approved ada Airworthir	ess Grou	p		0		
Date		val or Rejection PRIL 2006		Certificate or Designation No.			Sign	nature of Autho	<b>/</b> ,		: // //			
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Electronic Version (Adobe)

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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 appropriate airworthiness requirements.

## 8. Description of Work Accomplished

INSTALLED CONCORD BATTERY VRSLA RG-35A IN ACCORDANCE WITH STC SA01147WI. BATTERY IS ON APPROVED MODEL LIST OF STC SA01147WI DATED FEBURARY 25 2003. STC AND THE PIPER MAINTENANCE MANUAL WILL WILL BE USED FOR CONTINUED AIRWORTHINESS. NO CHANGE IN WEIGHT AND BALLANCE.

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US Department of Transportation
Federal Aviation

Form Approved
OMB No. 2120-0020

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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).

for	each suc	h violation (Section	n 901 Federal Aviatio	n Act o	f 195	8).		į	i			
	.,	Make PIPER			Model PA-28-180							
1. Ai	rcraft	Serial No. 28-20	97			Nationality and I			nd Registration Mark			
2. O	wner	Name (As shown ROBERT BREC	n on registration cert CH	ificate)			1	tration certificate)				
		<u> </u>			3. F	or FAA Us	e Only	-	ı			
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					4. U	Init Identif	ication				5. Type	
	Unit		Make			Model			Serial No.		Repair	Alteration
AIRFI	RAME	_		scribe	ed in Item 1	above)	bove)————————————————————————————————————					
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APPI	LIANCE	Type Manufacturer										
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A. A	gency's N	lame and Address			В. І	Kind of Age	ency			C. Certifi	cate No.	
WILL	JAM P. I	HELMS			X	X U.S. Certificated Mechanic						
770	CENTRA	L ROAD				Foreign Certificated Mechanic			*:	431942176		
ARK	ADELPH	IA, AR 71923			$\vdash$	Certificated Repair Station .						
		:				Manufacturer						
D.	certify th	at the repair and/or a	Ilteration made to the uni	t(s) ident	ified ir	n item 4 above	e and described	on th	e reverse or attach	ments here	to have been m	nade in
acco	rdance witl	n the requirements of	Part 43 of the U.S. Fede	ral Aviati	on Re	gulations and	that the informat	tion fu	mished herin is true	and corre	ct to the best of	my knowledge.
Date		11 APRIL 20	ine		Sig	nature of A	uthorized Indi	ividu	al /	1/		
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				7. Ap	prova	l for Retu	rn To Servic	е				
Pu Ad	rsuant to t ministrato	he authority given r of the Federal Av	persons specified by viation Administration	elow, thand is	ne uni	t identified i	n item 4 was i VED □ I	inspo REJE	ected in the man	ner presc	ribed by the	
BY		Fit. Standards ector	Manufacturer	×	Ins	pection Aut	horization		Other (Specify)			
	FAA	N Designee	Repair Station		Ca	nada Airwo	ved by Transprthiness Grou	Jp		<u> </u>	0	
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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

11 APRIL 2006 PIPER PA 28-180 SN 28-2097 INSTALLED STC SA4008NM MODIFICATION OF BATTERY BOX FOR REMOVABLE PANELS IN ACCORDANCE WITH BOGERT AVIATION DRAWING LISTED ON FAA APPROVED APPROVED MODEL LIST OF STC SA4008NM DATED APRIL 12 2004. FAR PART 43 AND APPLICABLE OWNERS MANUAL ARE ADEQUATE TO ;ENSURE CONTINUED AIRWORTHINESS OF THIS MODIFICATION. WEIGHT AND BALLANCE CHANGE IS NEGLIGIBLE. THIS STC IS COMPATIBLE WITH STC SA 3531NM

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Federal Aviation

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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).

for	each such	violation (Secti	on 90	01 Federal Aviation	Ac	t of	1958	B).							
Make PIPER  1. Aircraft									Model PA-28-180						
Unit  Unit  AIRFRAME  POWERPLANT  PROPELLER  APPLIANCE  A. Agency's Na WILLIAM P. HE 770 CENTRAL ARKADELPHI/ D. I certify tha accordance with to Date  Pursuant to the Administrator of BY  FAA I	Serial No. 28-2	2097						Nationality N8031W	lark		NA				
2. O	wner	Name (As show ROBERT BRE	wn or ECH	n registration certif	icat	e)	Address (As shown on registration certificate) 117 PINNACLE DRIVE ARKADELPHIA, AR 71923								
							3. F	or FAA Use O	nly	<u> </u>					
		,					4. U	nit Identificati	on	ķ			5. Type		
	Unit	Make						Model		# / /	Serial No.		Repair	Alteration	
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PRO	PELLER									; ;; ;; ;;					
APP	PLIANCE	Type Manufacturer								1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
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				ation made to the unit(						- (			_		
							Signature of Authorized Individual								
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BY		Fit. Standards ector		Manufacturer		×	Insp	pection Authoriz	zation	0	ther (Specify)	)			
		Designee		Repair Station			Car	rson Approved I nada Airworthin	ess Group				1		
Date		ral or Rejection PRIL 2006		Certificate or Designation No. IA43194217	76		Sigi	nature of Authorized Individual  M. M. Marine							
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Electronic Version (Adobe)

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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

INSTALLED CONCORD BATTERY VRSLA RG-35A IN ACCORDANCE WITH STC SA01147WI. BATTERY IS ON APPROVED MODEL LIST OF STC SA01147WI DATED FEBURARY 25 2003. STC AND THE PIPER MAINTENANCE MANUAL WILL WILL BE USED FOR CONTINUED AIRWORTHINESS. NO CHANGE IN WEIGHT AND BALLANCE.

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US Department of Transportation
Federal Aviation

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

Form Approved
OMB No. 2120-0020

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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

fo	r each suc	h violation (Sect	ion 9	01 Federal Aviation A	Act of	1958	3).		Į.					
		Make PIPER					Model PA-28-180							
1. A	ircraft	Serial No.	2097				-	Nationality and Registration Mark N8031W						
2. C	wner	Name (As sho ROBERT BRI	wn oi	n registration certific	ate)			Address (As shown on registration certificate) 117 PINNACLE DRIVE ARKADELPHIA, AR 71923						
						3. F	or FAA Use Or	ıly						
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		<del></del>				4. U	nit Identification	on	7		5. Type			
	Unit	-	Mai	ke			Model		Serial No	).	Repair	Alteration		
AIRF	FRAME	_		(A	s des	cribe	d in Item 1 abov	1 above)						
POV	WERPLANT													
PRO	PELLER													
APF	PLIANCE	Type Manufacturer												
					6.		formity States	nent	;	I o o				
		lame and Addres	ss			X X	Vind of Agency U.S. Certificated		<u> </u>	C. Certifi	cate No.	*		
	LIAM P. H CENTRA			•		<u>  ^</u>	Foreign Certifica		10404047					
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						Manufacturer								
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BY		Flt. Standards ector		Manufacturer	×		pection Authoriz		Other (Specify	)				
		Designee		Repair Station		Can	son Approved b nada Airworthin	ess Group						
Date	• • •	val or Rejection PRIL 2006		Certificate or Designation No. IA431942176		Sigr	nature of Author	rized Individi	ual AN	de la como				
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Weight and balance or operating limitation changes shall be entered in the appropriate an oraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

# 8. Description of Work Accomplished

11 APRIL 2006 PIPER PA 28-180 SN 28-2097 INSTALLED STC SA3531NM COPPER ELECTRICAL CABLES IN ACCORDANCE WITH BOGERT AVIATION INSTALLATION INSTRUCTIONS AS LISTED ON APPROVED MODEL LIST OFSTC SA3531NM. THE BATTERY TO ACFT MASTER SOLENOID AND BATTERY TO AIRFRAME GROUND WAS REPLACED WITH CABLES MANUFACTURED BY BOGERT AVIATION CABLES ARE FAA/PMA APPROVED. WEIGHT AND BALLANCE CHANGE IS NEGLIGIBLE. FAR 43 AND OWNERS MANUAL AND MAINTENANCE MANUAL WILL BE USED FOR CONTINUED AIRWORTHINESS.

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Federal Aviation

Form Approved OMB No. 2120-0020

For FAA Use Only

Office Identification 9W-11

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

				report is required 01 Federal Aviatio						Failure to re	port can result	in civil pena	alty not to exce	ed \$1,000	
Make PIPER							Model PA-28-180								
1. Ali	rcraπ	Serial No. 28-2	2097					Nationality and Registration Mark N8031W							
2. Ov	wner	Name (As show ROBERT BRE		n registration certi	ifica	te)	Address (As shown on registration certificate) 117 PINNACLE DRIVE ARKADELPHIA, AR 71923								
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	Unit		Mak	æ					Model		Serial	No.	Repair	Alteration	
AIRFF	RAME	(As desc						d i	in Item 1 abo	n 1 above)———					
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								A	Manufacturer		<u>;</u>		_		
D.	I certify th	at the repair and/or	altera	ation made to the unit	(s) ic	lentifi	ed in	ite	em 4 above and	described on	the reverse or att	achments her	reto have been m	ade in	
accor	rdance with	the requirements of	of Pari	t 43 of the U.S. Feder	al A	<i>r</i> iation	Reg	jula	ations and that t	he information	fumished herin is	true and com	ect to the best of	my knowledge.	
Date							Sign	na	ture of Autho	rized Individ	ual /				
		11 APRIL 2	9006				•		Will	in	PIL	hu			
					7. /	Appr	ova	ıl f	or Return T	o Service					
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FAA Form 337 (12-88)

Electronic Version (Adobe)

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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 appicable airworthiness requirements.

# 8. Description of Work Accomplished

11 APRIL 2006 PIPER PA 28-180 SN 28-2097 INSTALLED STC SA3531NM COPPER ELECTRICAL CABLES IN ACCORDANCE WITH BOGERT AVIATION INSTALLATION INSTRUCTIONS AS LISTED ON APPROVED MODEL LIST OFSTC SA3531NM. THE BATTERY TO ACFT MASTER SOLENOID AND BATTERY TO AIRFRAME GROUND WAS REPLACED WITH CABLES MANUFACTURED BY BOGERT AVIATION CABLES ARE FAA/PMA APPROVED. WEIGHT AND BALLANCE CHANGE IS NEGLIGIBLE. FAR 43 AND OWNERS MANUAL AND MAINTENANCE MANUAL WILL BE USED FOR CONTINUED AIRWORTHINESS.

RECEIVED

APR 1 2 2006

LIT-FSDO-11

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#### **UNITED STATES OF AMERICA** DEPARTMENT OF TRANSPORTATION—FEDERAL AVIATION ADMINISTRATION STANDARD AIRWORTHINESS CERTIFICATE

2 MANUFACTURER AND MODEL 3. AIRCRAFT SERIAL 4. CATEGORY NATIONALITY AND NUMBER REGISTRATION MARKS

PA-28-180

PIPER

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

TERMS AND CONDITIONS

N8031W

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 (R) 12/30/1964 LESLIE W. HOLT

DESIGNATION NUMBER SW-FSDO-11

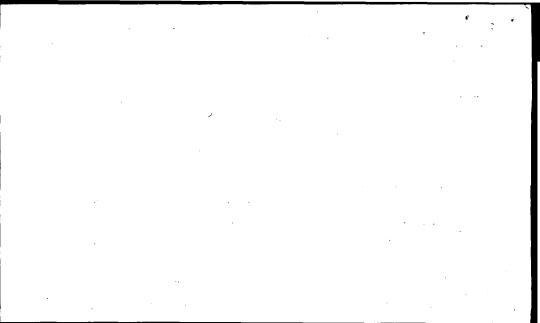
NORMAL

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. GOVERNMENT PRINTING OFFICE: 1991 - 668-228

28-2097



# December 9, 2002

# Dear Sir:

I am the recent purchaser of the Piper Cherokee described below. The previous owner lost or misplaced the airworthiness certificate. I have submitted the proper forms to the FAA for registering the aircraft, and I am requesting a replacement certificate.

Aircraft Registration Number N8031W
Aircraft Serial Number 28-2097
Aircraft Model PA-28-180

Aircraft Make Piper Cherokee 180

Aircraft Year 1965

Singerely,

Robert Brech

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# AIRCRAFT LOG

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	APPLICATION FOR ALL	IATION AGENCY RWORTHINESS CERTIFI	CATE	PORM APPROYED BUDGET BUREAU NO. 04-R030.	
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ive. U		2. APCIATI MARE	<del> </del>	11. ABCHAPT MODEL	
	1, ABCLAFT TREMPICATION NO.			PA 28-180	
52	N 8031W	Piper	<del></del>	A. DIGDER MODEL	
AURCHATT SCHIPTIO	28-2097	Lycoming		0-360-A3A	
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S CONTROL	Piper Aircraft Co Vero Beach, Flori	rporation 			
Į		•		Theron Holan Beyls	
8	*In order to be eligible for t	registration an aircraft must b United States as defined b deval Aviation Act of 1948.	6. DATE	7. THE	· ·
	Section 101(13) of the Fee	Serm Avustion Act of 1948.	12-30-64	Agent	

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# UNITED STATES OF AMERICA DEPARTMENT OF TRANSPORTATION-FEDERAL AVIATION ADMINISTRATION

## STANDARD AIRWORTHINESS CERTIFICATE

1 NATIONALITY AND REGISTRATION MARKS PIPER AIRCRAFT CORP.
N8031W
2 MANUFACTURER AND MODEL 3 AIRCRAFT SERIAL NUMBER
28-2097
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 provide by Annex 8 to the Convention of 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

**DESIGNATION NUMBER** 

**R** December 30 1964

SW-FSDO-15

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)

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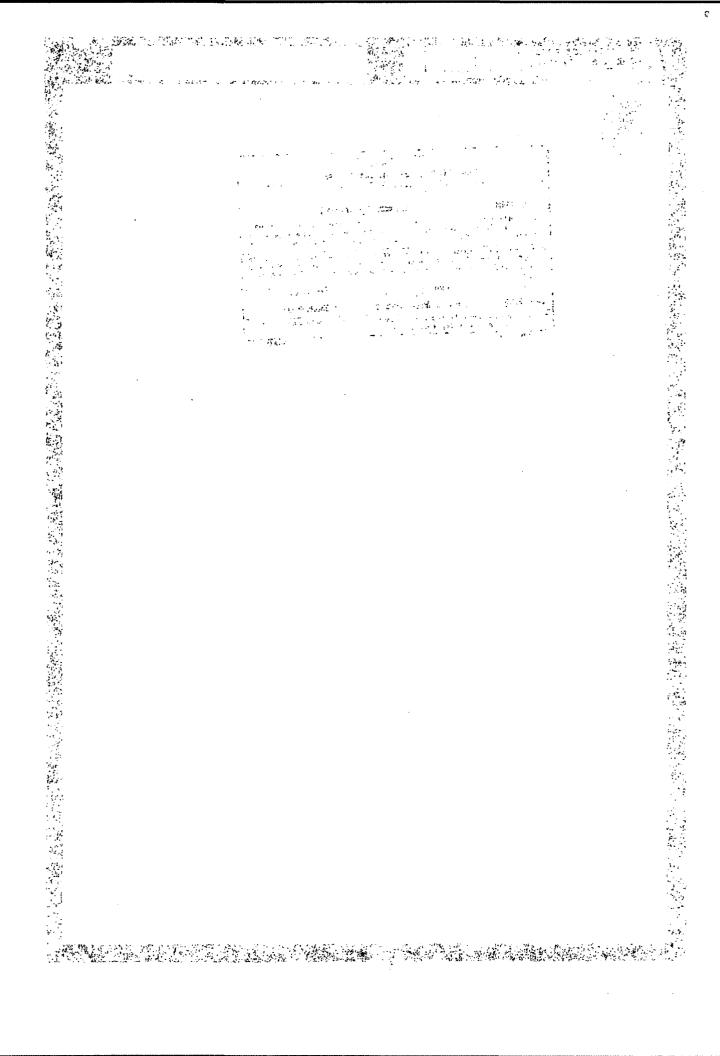
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## UNITED STATES OF AMERICA DEPARTMENT OF TRANSPORTATION-FEDERAL AVIATION ADMINISTRATION

#### STANDARD AIRWORTHINESS CERTIFICATE

1 NATIONALITY AND	2 MANUFACTURER AND MODEL	3 AIRCRAFT SERIAL	4 CATEGORY NORMAL
REGISTRATION MARKS	PIPER AIRCRAFT CORP.	NUMBER	
N8031W	PA-28-180	28-2097	

#### 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 provide by Annex 8 to the Convention of International Civil Aviation, except as noted herein. Exceptions:

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DATE OF ISSUANCE

FAA REPRESENTATIVE

**DESIGNATION NUMBER** 

SW-FSDO-15

R December 30 1964

r 30 1964 TERENCE T. CARR

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.



# US Departmen

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 SRN

ESDU

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 violation (Section 901 Federal Aviation Act of 1958).

101	each viola	uon (Secuon.9	UI .F	ederal Aviation Act	01 1908	$\gamma_{k,j}$	1						
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		Serial No.	8	-209	7			Nationality and Registration Mark					
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		T				4.1	Unit Identification	<u> </u>		٠,	····	5. Type	
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			pton	, New Hampshire (	3843	ļ	Certificated R	oreign Certificated Mechanic 13621793 ertificated Repair Station					
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	have been	i made in acc	ordar	or alteration made to noe with the require correct to the best	ements o	of F	Part 43 of the U.	1 4 above S . Federa	and di I Aviatio	escribed on Regular	n the revers tions and th	e or attachmen at the informa	nts hereto ation
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		7-16-	98					(	_ (		Son	ın Conlin	
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Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

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8.	Description of Work Accomplished (If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)
	Opened tank identified below, by removing perimeter rivets. Cleaned and inspected skins and bulkheads. Work performed and replacement of parts detailed as follows:
	Reseal and rivet skin and bulkheads using MIL-S-8802F type 1 class A sealant (PR-1422 A-2) and MS20426A4-5, MS20470A4-5, and MS20426AD4-4.5 rivets as originally manufactured.
	Replaced rusted filler neck with P/N 62033-00. Assembly performed in accordance with AC 43.13-1A, chapter 2, section 3, paragraphs 99, A, B, C and chapter 14, section 2, paragraph 710 exclusive of sub paragraphs.
	Tanks are an aircraft component part, and not installed by this agency.
	Sections one and two of this form are to be completed by the installer.
•	No change in weight and balance.
	Tank identification Number: SKYCRAFT S/N 5533L
•	Tank position: L/H only
	Tanks installed in aircraft by:
	Dannis M Phillips 3/567416B/P 7/22/98 Installers Signature Certificate Number and Type Date

☐ Additional Sheets Are Attached



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).

for each suc	th violation (Sec	ction	901 Federal Aviat	ion Act	of 1958).						
	Make				Model						
1. Aircraft	Pi	pe:	r			PA-28-180					
i. Allolait	Serial No.		· · · · · · · · · · · · · · · · · · ·		Nationality and Registration Mark						
			097			N8031W					
	Name (As sho	wn	on registration cei	rtificate	) Address (As shown on registration certificate)						
2. Owner	Matt B	ro	erman				Whisperin				
2. Other						St.	Louis, MO	6314	6		
	İ				<u> </u>						
					3. For FAA Use Or	ıly			· · ·		
	T				4. Unit Identification	on			5. Type		
Unit		Ma	ke		Model		Serial No.		Repair	Alteration	
AIRFRAME				As desc	ribed in Item 1 abov	(e)					
			(.			-,					
POWERPLANT Lycoming				360-A4A		L-7643-3	36A		x		
						l			00		
PROPELLER						Į			0-1	1150	
							·	_/_	es P D P	ILLD	
	Туре					<i>f</i>					
APPLIANCE	Manufacturer		-			l		(	MAY O	2 1997	
	Manuacturer							1		- 100.	
	<u> </u>							-+	<u> </u>		
A Agency's N	lame and Addre				. Conformity States			C Cod	SIL F	SDO ,	
			<del></del>		B. Kind of Agency C. Certificate No.  U.S. Certificated Mechanic						
	Aviation				Foreign Certific						
	dison Ave		- 2005		X Certificated Rep			DEXI	R163D		
Cnester	field, Mo	<i>)</i> (	3005		Manufacturer	- Ottation					
D I certify t	hat the renair an	nd/o	r alteration made to	n the un	it(s) identified in iter	n A above :	and described on th	no rovorco	orattaahma	ata barata	
have bee	n made in acco	rdar	nce with the requir	ements	of Part 43 of the U.S	S. Federal	Aviation Regulation	ns and th	at the inform	ation	
furnishe	d herein is true a	and ·	correct to the best	of my l	knowledge.	/	<i></i>				
Date					Signature of Author	rized Indi	vidual				
4-	28-97				(	レノし					
			···				- ORATI	5 CONF	SNEHAM		
					proval for Return To						
Pursuant to Administrate	the authority or of the Federa	jiver I Avi	n persons specifie iation Administrati	d belov	v, the unit identified is XAPPROVE	d in item 4	4 was inspected in EJECTED	the man	ner prescrib	ed by the	
							Other (Specify)				
FAA Fit. Standards Inspector Manufacturer			Manufacturer		Inspection Authoriza	ation					
BY			_	Pareon Approved by Tax		/ Transport					
FAA Designee X Repair Station				Person Approved by Transport Canada Airworthiness Group							
Date of Approval or Rejection Certificate or Signature of Authorized Individual											
16.24	, , , .		Designation No.		<b>\ '</b>	1.11					
4-28	3-97		DEXR163D			ハレ	CRA	IG CUN	NEWGHAN	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.

B. Description of Work Accomplished (If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)									
Removed Lycoming factory installed starter									
Installed Skytec starter installation instructions	Part#149-1265 in accordance with supplied and supplemental type certificate #SE00218NY								
Weight and Balance and Equipment list updated									
	End								
	5								
•									
-	· •								
	☐ Additional Sheets Are Attached								

US Department of Pamportation Pederal Aviation Administration	. transmission of the control of the	OMB No. Fe Office Iden	Form Approved OMB No. 2120-0020  For FAA Use Only Office Identification.				
and disposit	ONS: Print or type all entries. See FA ion of this form. This report is require h violation (Section 901 Federal Avi	ed by law (49 U.S.C. 1421), F	and AC 43.9-1 (or subs	equent revision oult in a civil pena	thereof) for in lity not to exce	structions ed \$1,000	
<u> </u>	Make		Model				
1. Aircraft	PIPER	•	PA28-180				
	Serial No. 28-2097		Nationality and Reg N80	istration Mark			
2. Owner	Name (As shown on registration of MATT BROERMAN	ertificate)	Address (As shown 1475 WHISPE ST. LOUIS,	RING PINES	;	V.	
	* · · · · · · · · · · · · · · · · · ·	3. For FAA Use (	Only				
	, , , , , , , , , , , , , , , , , , ,						
		4. Unit Identifica	ition		5. Туре		
Unit	Make	Model	s	erial No.	Repair	Alteratio	
AIRFRAME		(As described in Item 1 ab	OV#)	eeeee		х	
POWERPLANT				RFT		·	
PROPELLER		0		APR 10	(VED)		
APPLIANCE	Type Manufacturer			STL FOR	1922		
	•			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	9	<u></u>	
A Agangy's N	lama and Address	6. Conformity Stat					
	lame and Address	9. Kind of Agen	ited Mechanic	C. Cer	tificate No.	-	
	AIR CENTER, INC.	<del></del>	ficated Mechanic				
	INAL DRIVE		Tepair Station	PA	ZRO68H		
EAST AL	TON, IL 62024	Equitacture	·				
have bee	hat the repair and/or afteration made in made in accordance with the req I herein is true and correct to the b	uirements of P. 1 43 of the	tem 4 above and descri U.S. Federal Aviation F	bed on the rever Regulations and	se or attachm that the infor	ents hereto mation	
Date		Sign sture of Au	thorized Individual				
APRIL 8	, 1992	Jan	& Selence		HOLTMAN INSPECTOR		

ection Authorization

Altworthiness Group

Inature of Authorized Individual

onit identified in item 4 was inspected in the manner prescribed by the 
☑ APPROVED ☐ REJECTED

GEORGE HOLTMAN ALT. INSPECTOR

Other (Specify)

FAA Form 337 (12 66)

Pursuant to the authority given pc sons specified below. Administrator of the Federal Aviation Administration and in

Manufacturer

Repair Station

Certificate or Designation No. PAZRO68H

FAA Fit, Standards Inspector

FAA Designee

Date of Approval of Rejection

APRIL 8, 1992

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 in aircraft the B.F. Goodrich Flight System Inc. WX900 Stormscope consisting of: Display P/N 78-8060-5960-2 S/N FNP01200200 and Antenna P/N 78-8060-5970-1 S/N FNA01200119 according to Stormscope Series II WX900 Instruction Manual dated July 1991 and in accordance with AC 43.13-1A Chapter 11 sections 2 & 3 and AC 43.13-2A Chapters 2 & 3.

Additional Sheets Are Attached

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		M.:	JO	R REPAIR AI	ND A	LTE	RATION		4	FOF 1-14		. Y
	(Airframe, Powerplant, Propeller, or Appliance)						OFFIC	E IDENTIFIC		•		
INS	TRU		or typ	oc all cotries. Se			PAR 43 Appendix B.	and AC 43.9	] -1 (or:		7-0-64 evision th	reteal)
	77	MAKE			N		MODEL					
1. All	RCRAF	SERIAL NO.	°ip	<b>G</b> L		4		PA?8-		b took 1		
						TALITY AND	W	KATION MA	N.K.			
	MAIER	NAME (As she	) nwc	n registration certi	ticate)	7.		SS (As shown P.O.Bo			icate)	
2. 0\	MNEK	Campbe	-11	Edward H	4 :			immee. I	71. :	32741		-
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				KE .	<u></u>	· · ·	WOOET	`	SERIAL		REPAIR	ATION
AIRFR	AME	-	••••	************	(As de	scribi	ed in Item 1 above)	••••••	*****	•	, 21	х
POWI	ERPLA	זא								,	٠	
PROP	ELLER											٠
APPLI	ANCE	MANUPACTURER										;
<u> </u>				+	1 .	CONE	ORMITY STATEMENT					
	A	AGENCY'S NA	ME.	AND ADDRESS	<del></del>	Aut	B. KIND OF	AGENCY		C. CER	TIFICATE	NO.
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Кi	ssi	mmee, F1.	3 27	43			CERTIFICATED REPAIR STA	TION			•	
						<u> </u>	MANUFACTURER					
	ittach.	ments hereto hay	e bei	en made in accor	dance v	rith	unit(s) identified in the requirements of P orrect to the best of n	ert 13 of the	U.S. F	lescribed on ederal Aviat	the reve ion Regu	rse or lations
DATE		12/5/82				SIC	Manhall Na	ZED INDIVID	UAL			
				7.	APPRO	VAL	FOR RETURN TO SERVICE	E				
Purs the	uant Admi	to the authority	giver edera	i persons specified I Aviation Admin	l below istratio	, th	e unit identified in Iter d is <b>X</b> APPROVED	n 4 was inspe	ected in D	the manne	r prescrib	ed by
		AA FLT. STANDARDS		MANUFACTURER	x	1	PECTION AUTHORIZATION	OTHER (Sp	•cify)			
BY		AA DESIGNEE		REPAIR STATION		OF.	IADIAN DEPARTMENT TRANSPORT INSPECTOR AIRCRAFT			•		
DATE REJEC	TION	PPROVAL OR		CERTIFICATE OR DESIGNATION 1	40.	1	Marsfall /	ENON	DUAL			

DATE OF APPROVAL OR REJECTION 12/5/82 FAA Form 337 (7-67) CERTIFICATE OR DESIGNATION NO. 1371597

(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.)
- 1. Installed Mitchell Automatic Flight System, Model AK307 consisting of Century I and Omni Tracker, according to STC No.SA12725W and Bulletin No. 415 dated Feb.4,1971.
- Removed existing turn & bank and installed pictorial turn & bank, in its place.
- 3. Installed Roll Servo 1C363-1-183R beneath the back seat per STC instructions using bracket and hardware supplied by manufacture.
- 4. Omni tracker connections accomplished by C&E Electronics of Sanford Fl..
- 5. Relay box 1A526 and switch assembly 30B364 were omited on this installation and a toggle switch was incorporated on the panel as an alternative, and placarded.
- 6. Electronic load calculated and found not to exceed 80% of the aircraft 35 amp. alternator capacity.
- 7. Equiptment was ground and flight checked per instructions in section III.
- 8. This installation was made in accordance with AC43:131A para. 424. 426. 428, 429, 430. 443, 446. 447, 448. 449, 450, 451. 514. 515. 516. 517. 519.
- 9. Negligible change in Weight & Balance.

END

ADDITIONAL SHEETS ARE ATTACHED

AUS. GOVERNMENT PRINTING OFFICE 1977 771-021/290

FAA Form 337 (7-67)

		PARTMENT OF TRANS				T I	orm Approvea Sudget Bureau	No. 04- <b>R</b> 06	0.1
	•	EULRAL AVIATION ADM				·	FOR FAZ	USE ONI	. Y
		R REPAIR AND Powerplant, Prop			ce)	C	FFICE IDENTIF	ICATION	
INSTRUC	•	pe all entries. See F				AC 43.9-1	(or subsequen	t revision th	nereof)
ioi instruc-	MAKE Pipe			-	MODEL P	A-28			
. AIRCRAFT	SERIAL NO							MARK	
2. OWNER	NAME (As shown	ADDRESS (A. R#2, Bo Kissir		registration cer 3H FL 327	tificate)				
	<u> </u>		3 FOR	FAA USE ON					
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							<u> </u>		
		4. UNI1	I IDENTIFIC	CATION	-6			5.	TYPE
TINU	M	AAKE		MODEL	•	SE	RIAL NO.	REPAIR	ALTER- ATION
AIRFRAME	•••••	•••••••••••• (A	s described	l in item 1 ab	ove)	•••••	•••••		
POWERPLAN	NT			· · · · ·					
PROPELLER					·				
APPLIANCE	TYPE								х
	MANUFACTURER				-				
			6. CONFO	RMITY STATE					
Α	. AGENCY'S NAME	AND ADDRESS	<del></del>		ID OF AGEN		. C. C	ERTIFICATE	NO.
Sebast	ian Communi	ication, Inc			TED MECHANIC				
	ne Regiona ne, FL 3	l Airport 2901	-	CERTIFICATED F	EPAIR STATION		708	3-22	
D. I certi	fy that the repair a	nd/or alteration made in accordate furnished herein is to	nce with t	ne requireme	tified in item ents of Part 4	or merc	and described J.S. Federal Av	on the rev	erse or ulations
DATE	14, 1978				AUTHORIZED		A Glesto	· · · · · · · · · · · · · · · · · · ·	<del> </del>
<del>:</del>		7 A	PPROVAL F	OR RETURN	O SERVICE.	- Car	pro-cy		-
Pursuant	to the authority give	en persons specified l	selow, the	unit identifi	ed in item 4	was inspec	ted in the ma	RECEI	が出り
F	AA FLT, STANDARDS	MANUFACTURER	T T	ECTION AUTHOR		OTHER (Spec	ify) A -	SO - G	_
BY -	FAA DESIGNEE	C REPAIR STATION	OF 1	ADIAN DEPARTM				4PR 18 <b>P</b> ETER	
REJECTION	APPROVAL OR	CERTIFICATE OR DESIGNATION NO	SIGI	NATURE OF	AUTHORIZED	INDIVID		ELORI	
4/1/	+/78	708-22		11	8 HM	You	LIBELI		
FAA Form	n 337 (7-67)			7		-			(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.)

Installed Genave Alpha 200 above KX150 in top of radio rack, Narco AT50A transponder installed directly below radio stack, below instrument panel transponder antenna installed in forward right corner of passenger foot space, in accordance with manufacturer's instructions.

Performed transponder inspection per FAR 91.177 and FAR 43, appendix F.

Connected primary power to circuit breakers and labeled accordingly.

Electrical load does not exceed 60% of the aircraft 35 amp alternator capacity.

Equipment installed and compass calibration check per FAR 23, 1301, 1327 and 1431, and AC 43:13-2, Para. 927-929.

Computed new Weight and Balance updated equipment list and entered in aircraft papers.

This installation made in accordance with AC 43:13-1A 227, 228, 230, 231 406, 410, 424, 426, 428, 429, 442, 443, 445, 447-451, 464, 514-519, 656, 657, 659, 662, 750, 840, 842, 927, 929; and AC 43:13-2, 1-12, 21-27, 36 37 & 38, and 42. ---NOTHING BELOW THIS LINE--

ADDITIONAL SHEETS ARE ATTACK

**★1975-**G.P.O.--1703-M/673-900/175

IMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

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

Form Approved Budget Bureau No. 04-R060.1

FOR FAA USE ONLY OFFICE IDENTIFICATION

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. MAKE Piper MODEL PA-28 1. AIRCRAFT SERIAL NO NATIONALITY AND REGISTRATION MARK 28-2097 N8031W NAME (As shown on registration certificate)
Edward H. Campbell ADDRESS (As shown on registration certificate) RR#2, Box #363H 2. OWNER Kissimmee, FL 3. FOR FAA USE ONLY 4. UNIT IDENTIFICATION 5. TYPE UNIT SERIAL NO. REPAIR ATION **AIRFRAME** (As described in item 1 above) x POWERPLANT PROPELLER APPLIANCE MANUFACTURER 6. CONFORMITY STATEMENT A: AGENCY'S NAME AND ADDRESS B. KIND OF AGENCY C. CERTIFICATE NO. Sebastian Communication, Inc. U.S. CERTIFICATED MECHANIC Melbourne Regional Airport TOREIGN CERTIFICATED MECHANIC CERTIFICATED REPAIR STATION Melbourne, FL 32901 MANUFACTURER 708-22

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

26 July 1979

SIGNATURE OF AUTHORIZED INDIVIDUAL

7. APPROVAL FOR RETURN TO SERVICE

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is APPROVED REJECTED.

FAA FLT, STANDARDS OTHER (Specify) MANUFACTURER INSPECTION AUTHORIZATION CANADIAN DEPARTMENT TAA DESIGNEE REPAIR STATION OF TRANSPORT INSPECTOR OF AIRCRAFT DATE OF APPROVAL OR CERTIFICATE OR SIGNATURE OF AUTHORIZED INDIVIDUAL REJECTION DESIGNATION NO. 7/26/79 708-22

FAA Form 337 (7-67)

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

(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.

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

Removed Genave Alpha 200 and existing interwiring.

Installed Narco MK12B and VOA8 in available panel space, and power supply mounted on top of glove box in accordance with manufacturer's instructions.

Connected primary power to circuit breakers and labeled accordingly.

Electrical load was computed and is less than 80% of the aircraft's 35 amp generator capacity.

Equipment installed and compass calibration checked per FAR 23-1301, 1327 and 1431, and AC 43:13-2, para. 927-929.

Computed new Weight and Balance, updated equipment list, and entered in aircraft logs.

This installation made in accordance with AC43:13-1A paragraphs 227, 228, 230, 231, 406, 410, 424, 426, 429, 428, 442, 443, 445, 447-451, 464, 514-519, 656, 657, 659, 662, 750, 840, 842, 927, 929; and AC43:13-2 paragraphs 1-12, 21-27 and 37-39.

RECEIVED SO-GADO-8

AUG 1 1979

ST. PETFRSBURG

ADDITIONAL SHEETS ARE ATTACHED

Lin	

er L	,	FEDERAL AVIATION APPLICATION FOR AIRWOR	THINESS CERTIFICATE	FORM APPROVED BUDGET BUREAU NO. 04-R038.1				
INST	RUG	TIONS: Please print or type. Submit attachments or extra sheets as necessa	t this form, original only, to an authorized ry.	Federal Aviation Agency Representa-				
	: 1	L. AIRCRAFT IDENTIFICATION NO.	2. AIRCRAFT MAKE	3. AIRCRAFT MODEL				
2		N 8031W	Piper	PA 28-180				
PART 1 AIRCRAFT		4. AIRCRAFT SERIAL NUMBER	S. ENGINE MAKE	6. ENGINE MODEL				
PART		28-2097	Lycoming	0-360-A3A				
A15	1	7. NUMBER OF ENGINES	B. PROPELLER MAKE	9. PROPELLER MODEL				
i č	5	One	Sensenich	M76EMMS60				
		<u> </u>						
		1, APPLICATION IS HEREBY MADE FOR	CRAFT X NEW USED IMPORT) (CAR 1)					
		A. X ORIGINAL ISSUANCE OF CERTIFICATE (AIR						
	i	B. AMENDMENT OF CURRENT CERTIFICATE (C						
	- 1	C. MULTIPLE CERTIFICATE (REF. CAR 1 AND 8		(Specify)				
·	Ì	D. OTHER		(57.1,9)				
<sub>P</sub>		<ol> <li>AIRWORTHINESS CLASSIFICATION (Check approp It is requested that an Airworthiness Ce classification(s):</li> </ol>	oriale item(1)) retificate be issued to permit operation of the a	bove described aircraft in the following				
- 52	1	A. T. STANDARD (NORMAL, UTILITY, ACROBATIC	, TRANSPORT CATEGORIES) (REF. CAR 1)					
II REQUESTED		B. LIMITED (REF. CAR 9)						
	-	C. RESTRICTED (REF. CAR 8) (Check operation	n(s) to be conducted)					
PART	.	(1) AGRICULTURAL AND PEST CONTROL	r-m					
Z	1	(2) AERIAL ADVERTISING	(5) FOREST AND WIL	DLIFE CONSERVATION				
. 5		(3) AERIAL SURVEYING	(6) WEATHER CONTE	ioi.				
PART	,	, , , , , , , , , , , , , , , , , , , ,	(7) TOTHER					
8				(Specify)				
1		D. EXPERIMENTAL (REF. CAR 1) (Check opera						
		(1) AMATEUR-BUILT (3) EXHIBITION						
1		(2) EXPERIMENT (RESEARCH AND DEVELO	·············					
			(5) TO SHOW COM	PLIANCE WITH CAR				
		E. OTHER)	•1					
	(Specify)  3. HAS THE APPLICANT PREVIOUSLY BEEN DENIED AN AIRWORTHINESS CERTIFICATE FOR THIS AIRCRAFT? YES (Explain) X NO							
1 5	\$S	1. IN ACCORDANCE WITH CAR 1.67(d) THE AIRCRAFT DESCRIBED ABOVE HAS BEEN INSPECTED AND FOUND AIRWORTHY BY:						
Zz	£ 5	A. AIRCRAFT MANUFACTURER (Name of Firm)						
I≡∜₽	5.5	B. CERTIFICATED DOMESTIC REPAIR STATION, CERTIFICATE NO.						
E ₹ 5	192	C. CERTIFICATED AIR CARRIER, CERTIFICATE NO.						
PART TION	20	D. CERTIFICATED MECHANIC (Inspection A	utheritation) NO.					
PART III NSPECTION AGENCY VERIFICATION	Not applicable manufactured		UTHORIZED INDIVIDUAL	TITUE				
<u> </u>	<u> </u>			t t t t t t t t t t t t t				
		I hereby cettify that the aircraft described above has been inspected and is airworthy and eligible for the classification(s) requested. I further certify that I am the registered owner (or his agent) of this aircraft which is registered* with the Federal Aviation Agency, as required by the Federal Aviation Act of 1958 and the applicable Federal Aviation Regulations and Regulations of the Administrator and that the following evidence of registration is displayed in the aircraft. (Check and complete appropriate item(s); this includes completion of items 1 and 2 on the reverse side of this form.)						
1		1. CERTIFICATE OF REGISTRATION, FAA FORM	500 (PART A) DATE OF ISSUE					
1			DRM 500 (PART B). FAA FORM 500 FORWARDED TO					
1 2	5	FAA AIRGRAFT REGISTRATION BRANCH O						
1				June 17, 1965				
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	=	3. DEALER'S AIRCRAFT REGISTRATION CERTIFICATE, FAA FORM 1707 (Expiration date) LUTIO 1.72 1902  4. REGISTERED OWNER'S FULL NAME AND PERMANENT MAILING ADDRESS (No., Street, City, Zong and State)						
PART IV	=	Piper Aircraft Corporation						
1 8	3	Vero Beach, Florida						
1 * 1	2			Their Holan Sevis				
PART IV	ž	**************************************		Theron Nolan Bevis				
1 2	5		5. SIGNATURE OF REGI	STERED OWNER OR AUTHORIZED AGENT				
1 `	-	*In order to be eligible for registration owned by a citizen of the United		7. TITLE				
		Section 101 (13) of the Federal Av	intion Act of 1948. 12-30-64	Agent				
1		B. ATTACHMENTS (Check which)	12-20-04					
			HT AND BALANCE REPORT	E. OTHER (Life transmitted) 1965				
			, DRAWINGS, PHOTOGRAPHS, ETC. (List separately)	17 FEB 3 1300				
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FAA Form 305 (5-62) OBSOLETE PREVIOUS EDITIONS

FEDERAL AVIATION AGENCY						
AIRCRAFT INSPECTION REPORT						
(Items 1 and 2 will be verified and all other applicable	e items will be completed by an au	uborized FAA repre	sentative.)			
1. AIRCRAFT CERTIFICATION BASIS						
The aircraft described in PART I on the reverse of this for	rm has been inspected and found	i to conform to the	following:			
A. X AIRCRAFT SPECIFICATION OR TYPE CERTIFICATE DATA SHEET NO.	2A13	REVISION NO	11			
B. AIRCRAFT LISTING, PAGE NO.(5)  C. AIRWORTHINESS DIRECTIVE SUMMARY 1963	(YEAR) THROUGH	CARD NO.	64-28			
D. SUPPLEMENTAL TYPE CERTIFICATE NO.(5)		1 3				
E, OTHER	(Specify)	<del></del>				
2. AIRCRAFT AND ENGINE OPERATING RECORDS	(Specify)					
	a de la companya de					
A. AIRCRAFT NEW-NO PREVIOUS OPERATION OR MAINTENANCE HIST	· · · · · · · · · · · · · · · · · · ·					
B. MACOMPLIANCE WITH APPLICABLE AIRWORTHINESS DIRECTIVES RECORD		HOURS				
C. AIRCRAFT RECORDS INDICATE THE AIRFRAME HAS BEEN OPERATED A	IOIAL OF	ROURS	*			
D. I ENGINE RECORDS INDICATE THE FOLLOWING OPERATION:  SERIAL NO. I-7643-364 TOTAL HOUR:	e YIMF SI	NCE OVERHALII	·			
SERIAL NO. 1-/0/13-308 TOTAL HOUR	S TIME SI	NCF OVERHAUL				
	TIME SI	NCE OVERHAUL				
SERIAL NOTOTAL HOUR	TIME SI	NCE OVERHAUL				
SERIAL NO.						
3. AIRWORTHINESS DOCUMENTATION						
A. CURRENT OPERATING RESTRICTIONS (LIMITATIONS), COPY ATTACHED	,					
B. CURRENT OPERATING RESTRICTIONS (LIMITATIONS), AVAILABLE IN A						
C. X CURRENT APPROVED AIRCRAFT FLIGHT MANUAL, AVAILABLE IN AIRCR			•			
D. X CURRENT WEIGHT AND BALANCE INFORMATION, AVAILABLE IN AIRC		*				
	,	x •				
	of Cing#hi					
	to the second se		f.			
G. FAA FORM 317, STATEMENT OF CONFORMITY, (ATTACH WHEN REQ	ones,					
H. WEIGHT AND BALANCE REPORT, (ATTACH WHEN REQUIRED)	, · · · · · · · · · · · · · · · · · · ·	· 15	•			
I. DATA, DRAWINGS, PHOTOGRAPHS, ETC., (ATTACH WHEN REQUIRED  J. AIRWORTHINESS CERTIFICATE, FAA FORM 1362, ISSUED IN ACCORD	1 67 (a)					
	PANCE WITH CAR		•			
K. PREVIOUS FAA FORM 1362, ISSUED IN ACCORDANCE WITH CAR.	<del></del>	*				
BY		:				
(Name of Issuing Representative)		(Designation Number	r)			
4. FAA REPRESENTATIVE CERTIFICATION	The second secon		2			
I have inspected the aircraft described on the reverse and	on the basis of the application	and the foregoin	r. find it conforms to			
its type certificate and that it is in condition for safe ope	ration.	. Inc the longern	,			
5. REGISTRATION INDICATED ON REVERSE IS PROPERLY DISPLAYED IN AIRCRAFT		and the transfer of	And the second second			
3. REGISTATION INDICATED ON ALTERNAL IN THE TANK THE						
Current Form FAA-1707						
6. DESIGNEE'S SIGNATURE	DESIGNATION NO.		DATE			
· Thewor Holan Bever						
Theron Nolan Bevis	DMIR-6085		12-30-64			
7. FAA INSPECTOR'S SIGNATURE			DATE			
	FAF	1-SO:	JAN 22 1965			
William H. Tarker	EMI	0-43	JAN 25 1000			
B. REMARKS	المنظوريل المناسب	(				
The control of the co			A. X ACCEPTED			
		-1	B. REINSPECTED			
			C. SPOT CHECKED			
		•				
P. ATTACHMENT(S) IN ADDITION TO THOSE LISTED ON REVERSE (List separately	י לעל					
1. Copy of Form FAA-1362B						
	65215					
		Q Marie Andrews				

UNITED TATES OF AMERICA

# CERTIFICATE OF AIRWORTHINESS

To NATIONALITY AND REGISTRATION MARKS

2. AIRCRAFT AIR VORTHINESS CLASSIFICATION

#8031W

Standard - Hornel

- 3. This Certificate of Airworthiness is issued pursuant to the Federal Aviation Act of 1958. The aircraft identified hereon is considered airworthy when maintained and operated in accordance with the Civil Air Regulations and applicable aircraft Operation Limitations.
- 4. This Certificate will remain in effect as long as the aircraft is maintained in accordance, with Part 43 of the Civil Air Regulations unless surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation

5. DATE OF ISSUANCE 12-30-64

6. TAA REPRESENTATIVE

There Polan Bolan

Treeron Bolan Bevis

7. DESIGNATION NO.

DCD-6005

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

Ferm FAA 13628 (5-59)

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		FEDERAL AVIA	ATION AG	ENCY	100	1	Form Approved Budget Bureau	No. 04-1	Rogo.
	O MA	JOR REPAIR	AND A	LTERATION		<u> </u>		A USE O	
100	Mirrrame	, Powerplant,	Propelle	er, or Applic	ince)	C	FFICE SENT		
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for instruct	ions and dispos	r type all entries. ition of this form.	SEE PAR 4.	5.9, FAR 43 Ap <sub>l</sub>	pendix B, and	AC 43.9-1	(or subsequer	it revision	ther
\Q	MAKPiper				MODEL	<del></del>			
1. AIRCRAFT					PA×	28			
<i>2</i> 2	SERIAL NO.	2097			NATIONAL	TY AND RE	GISTRATION A	MARK	
- 24	<del> </del>	m on registration ce	·c		MB033	<b>T</b>			
2. OWNER	Thomas T. Seminole	Tuck d.b.	ennicate) <b>2. Flyi</b> r	) <del>(</del>	ADDRESS (	ls shown on r	egistration cer	tificate)	
	Seminale	Ranch		48 (14)	Kout	1 Ovies	is, Flori	de	
			3.	FOR FAA USE OF	II Y				
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Date	FAA Insp		me	an.					
						• *			_
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PPLIANCE	MANUFACTURER		┥.		•				
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A. AC	SENCY'S NAME	AND ADDRESS			OF AGENO	Y	C CER	TIELCATE	116
	Airesys of	Florida		U.S. CERTIFICATE		·	C. CER	TIFICATE	NO.
rlande,	lerida	-	-	FOREIGN CERTIFIC		c	1		
•			* 3	CERTIFICATED REP	AIR STATION.		2058 Rad	4.	
. I certify th	at the renals	1/		MANUFACTURER					
attachments	hereto have be	id/or alteration m en made in accord arnished herein is	ade to the lance with	unit(s) identifi	ed in item 4	above and	described on	the rever	rse c
mind that th	e anormation fi	en made in accord arnished herein is	true and co	prrect to the bes	t of my Inc	wledge.	rederal Aviati	on Regula	ation
7-14-65			SIG	NATURE OF AL	THORIZED I	IDIVIDUAL	· - · · · ·	<u> </u>	<del></del>
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rsuant to the	authority given	1, hersons small 1	APPROVAL I	OR RETURN TO	SERVICE/			<u></u>	
e Administrat	or of the Federa	persons specified al Aviation Agency	nelow, the	HAPPROVED	in item 4 wa	inspected i	n the manner	prescrib	ed by
1	COMPAND	MANUFACTURER				HER (Specify)		<del></del>	
INSPECT	OR	- TOTALIORER		CTION AUTHORIZAT	ION .	- (whereth			
FAA DES	SIGNEE V	REPAIR STATION	CANA	ADIAN DEPARTMENT	OP				
1 1	VALOR		OF A	IRCRAFT		_(			•
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E OF APPRO		DESIGNATION NO	, 15.0.	IATURE OF AU	HIJORIZED IN	IDITIDUAL			
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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 Ring KI-150B Radio. VHF antenna, and Ozni antenna.

KK-150B unit installed in center of instrument panel, with 4 e., an526/8/32 screws and lock mats. Cable dressed behind instrument panel. Circuit fused with a 15 amp screw in fuse already installed in a/e. VHF entenna installed top aircraft at station # 70. Ozni antenna mounted in vertical fin assy. cable dressed along left side of aircraft and fastened to a/c

85.82 62.8 70.0 203.0	70.00 243.00
	85.82 62.8 70.0

Total continous electrical load computed at 1h amps or 10% of one 35 amp Compass checked in accordance alternator CAM 3.682

Compass checked in accordance with requirements of CAM 3.666
Equipment installed in accordance with requirements of CAM 3.666
Equipment functional checked in accordance with requirements of CAM 3.721
Equipment list changed to show addation of radio equipment.

Beight and Balance Data Soction revised to reflect this equipment change, and data entered in log books.

		9.	51 G	28	<u> </u>	37 AUG 6 toor
	HAL.	FEDERA	L AVIATIO	N ACEN	my the second	Form approved. Budget Bureau No. 04-R060.
MAIOD	DEDAID AND ALTERAT	ed .				King the second
	REPAIR AND ALTERATI	UN FURM	(AIKFKAME	, POWE	RPLANT, PROPELI	ER OR APPLIANCE)
1. AIRCRAFT	MAKE O' Piper		PA-28	t <sub>e</sub>	serial no. 28 <b>–209</b> 7	N BOSIW
2. OWNER	Thomas T. Tuck d. b Seminole Ranch	.a. Fly	lng		Oute #1 OVied	
3. COMPLETE CORDANC	E ONLY FOR UNIT REPAIR E WITH CIVIL AERONAUTION	ED AND/OR	ALTERED. D	ESCRIBE	WORK ACCOMPLIS	HED ON REVERSE IN AC-
UNIT	BIAKE		MODEL.		SERIAL NO.	MATURE OF WORK (Carck)  MAJOR REPAIR MAJOR ALTERATION
a. AIRFRAME	imimimi	♦ (As described	in item I above)		••••••••	x
b. POWERPLANT						
c. PROPELLER			100	hinocktanıı	or identified herein complete frements and is approved on to conformity in prection by a	d with applicable alto ly for the above described person authorized in FAR 43.7.
d. APPLIANCE	TYPE AND MANUFACTURER		ي ا	117/65	R. Juny	80-6no-8
4. AIRCRAFT	WEIGHT AND BALANCE DA	TA CUL	. Det		EAA Inspector	
*AFTEI	the repairs and/or alterations scribed below were made.	case of	i spare compo n an aircraft.	nent. it v	by repair or alteration will not be completed time, it will be comple	n agency. However, in the until such component is in- ted by the installing agency,
CATEGORY	EMPTY WEIGHT (Po	unds)*	EMPTY C	ENTER OF GR	AVITY (Inches from datum)*	USEFUL LOAD (Pounds)*
Normal	1283,7			85.82		1116.3
5. CONFORMI	ITY STATEMENT (Omplete and	check)				
OF ABENCES HAME	AND ADDRESS	· · · · · · · · · · · · · · · · · · ·	& KIND OF AGI		•	a. CERTIFICATE NO. J
Arthur	J.Robbins				d Mechanic.	,
1009 W	ilson St. Llie Fla.				air Station.	A.P.177426
Pag nat	riie Lia.		☐ Manufa			,
				was made tion proce	•	
A I certify the attachments the informat	at the repair and/or alteration hereto have been made in ac- tion furnished herein is true as	n made to the cordance with ad correct to t	unit(s) ident the requirements he best of my	ified unde	er item 3 above and out 18 of the U.S. Civ	described on the reverse or il Air Regulations and that
5/1	9/65 and/or alteration completed)			an	Thur & Rod	Shin
6. APPROVAL	FOR RETURN TO SERVICE	(Check and comet	it appropriate ttem	•)	Signature of sufhorized indi-	., .,
Pursuant to	the authority specified below Federal Aviation Agency and	the mult Ident	ified in item :	3 was insp	pected in the manner	prescribed by the Adminis-
3 ■APPR	COVED BY \ \ \ \ FAA Flight	eo 🗌 Manu				nsport Inspector of Aircraft
	Standards Inspector	□ ւտհա	· Deliviou	- Insp	(Specify) eation Author	rization
	9/65 approval or rejection)	(	lithing	Col	horized individual; title or in	426
7. TO BE COM	PLETED ONLY BY FAA PER	SONNEL	<u>`</u>	Or dui	and thought title of It	negaring number)
Forwarded  Accepted	for engineering comment	See att	nched memora		[] Spot Checked	ł
. (	GNDO-8 7-08	)	(Da	10) D	7	(Date)
(FAA	designation number)	•		(8)	iznature Flight Standards In	spector)
-					<del>///</del>	

### INSTRUCTIONS

This form must be completed in duplicate each time a major repair and/or alteration is made of an aircraft, airframe, power-plant, propeller or appliance. After the repair and/or alteration has been inspected and item 6 completed, the original copy of this form will be made available to the aircraft owner for retention as part of the aircraft records. The duplicate copy is retained by the FAA for administrative purposes.

See CAM 18 for detailed instructions concerning the information to be furnished with this form and instructions concerning its preparation.

### 8. DESCRIPTION OF WORK ACCOMPLISHED.

1283.7

Installed Bank @ Turn ,Rate of Climb,Directional Gyro @ Artificial Horizon,Airborne,Mechanisms Model 2000CC Vacum Pump, Suction Gauge LEAR 133A4 Regulator valve All work was accomplished according to CAR3.171,3.652, 3.968, 3.661 And CAM 18

1116.3

A.M. 200 CC Vacum Pump	3.6 lbs	@36.3	131"
Turn and Bank	1.5 "		
Rate of Climb	1.4	@66.8	94
Directional Gyro	4.3 "	@66.6	286
Artificial Horizon	4.5 "	@66.1	298
Suction Gauge	: .4 <sup>H</sup>	@68.1	.27

1268	86.1	1132
New E.W.	New CofG	New U_L

85.82

"If additional space is needed attach additional sheets bearing alreast nationality and registration mark and date work completed,

Oheck block if additional sheets are attached. 

• U.S. GOVERNMENT PERVING OFFICE: 1961 O -5873

Form FAA-887 (4-52)