RECEIVED

Form Approved OMB No. 2120-0020

For FAA Use Only
Office Identification

US Department (Airframe, Powerplant, Propeller, or Appliance)

Administration (FSDO)

	Make				Madal			·	<u> </u>
	Piper				Model P	A32S-300	*. *.		•
1. Aircraft	Serial No. 32S-7140045			•	National N3000K	lity and Registration	Mark		·
<u> </u>	Name (As shown on registration cer	tificate)				s (As shown on regi	stration ce	ertificate)	
2. Owner	Ezra Wolcott				45 Sing	sing Road eads, NY 14845-100		,	
			3. F	or FAA Use (l Only			-	 -
		,							•
			4. U	nit Identifica	tion			5. Type	
Unit	Make		,	Model	-	Serial No).	Repair	Alteration
NRFRAME		(As desc	cribe	d in Item 1 ab	ove)				×
POWERPLÂNT									
ROPELLER		,							
APPLIANCE	Type Manufacturer								
Agonovic No	me and Address	6.		formity State					<u> </u>
	ET DOCTORIAL MAINT.		в. к х	ind of Agency		-	C. Certific	cate No.	
R.R.2	Box 69A A. PA. 18848			U.S. Certificate Foreign Certific Certificated Re Manufacturer	ated Mecha	nic	Arpi	52891	68
D. I certify tha	t the repair and/or alteration made to the unit the requirements of Part 43 of the U.S. Feder			item 4 above and					
ate	7-28-2006					vidual policias M. fanglis			
Pursuant to the	authority given persons specified be	low the		for Return T			ner prescri	hed by the	-
Administrator	It Standards	and is	(2	APPROVED	R	EJECTED Other (Specify)			
Y Inspec	Oesignee Repair Station	17	Pers	ection Authoriz	ov Transpo	ort i	: : .		-
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Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

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

Replaced existing engine induction filter with Brackett aero filter, inc. assembly part no. BA-115 per approved model listing under Supplemental type certificate no. SA 093 CE.

Subject BA-115 assembly uses brackett element no. BA-15 requiring 200 hrs use or 1 yr. intervals or 50% caused with foreign material. Replaced following instruction sheet PIN BA-115-3 dated 03-23-04.

☐ Additional Sheets Are Attached



US Department of Transportation Federal Aviation Administration

MAJOR REPAIR AND ALTERATION JAN - 3 2006 (Airframe, Powerplant, Propeller, or Appliance) Harrisburg FSDO

Form Approved OMB No. 2120-0020

For FAA Use Only

Office Identification AEA-F 600-13

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	suct	violation (Sect	tion 90	01 Federal Avia	tion Ác	t of 19	58	3).					•	, . ,
		Make New Pi	per						Model PA	A-32S-3	00			
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							7	Manufacturer						
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зү	FAA Inspe	Fit. Standards ctor		Manufacturer	>	∢ In	spo	ection Authoriz	ation	Oth	er (Specify	<i>(</i>)		
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FAA Fo			[1) 0 1.		Electroni	ic Ve	ersion (Adobe)	100		-/-	-		

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.

Brackett Air Filter document No. 1-1	94 "Continued Airworthiness Inspection" installed in Aircraft records.
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MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020
For FAA Use Only
Office Identification
AEA-FSD 0-13

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).

and	l dispositi each sucl	on of this form. n violation (Sec	. I nis	report is required 901 Federal Aviati	on Act	(49 L	U.S 1958	8).	ure to rep	oort	can result in a c	ivii penai	ty not to exce	eu \$ 1,000
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Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished (If more space is required, attach additional sheets. Ide	entify with aircraft nationality and registration mark and date work completed.)
Date: 11 September 1997	
The following equipment was removed:	LOCATION
Narco DME-70 DME Receiver Transcal Blind Encoder	Radio Stack STA# 60.00 Behind Instrument Panel STA# 58.00
The following equipment was installed:	LOCATION
Garmin GNC-250X1 GPS/Com Garmin GA-56 GPS Antenna Terra/Trimble AT-3000 Blind Encoder	Radio Stack STA# 64.00 Top of Aircraft STA# 80.00 Behind Instrument Panel STA# 58.00
All work was accomplished in accordance with A installation manuals utilizing manufacturer's	C 43.13-1A/-2A Chapters 2 & 3, AC 20-138, and GNC-250X1, & AT-3000 supplied hardware.
Panel placarded "GPS Is Limited To VFR Use Onl	у ^в
Complied with FAR 91.217 data correspondence t installation of the AT-3000 encoder.	est due to interface of GPS to aircraft Mode-C System and due to the
Complied with Static Leak portion of FAR 91.41	1.
GPS CDI information is selectable to the Autop	ilot Only via a toggle switch.
Garmin GNC-250Xl GPS accuracy and performance	is based upon Garmin STC# SA00336WI and TSO-C129 A(2).
All wiring/cabling used for installation purpo M17/60) - coax; (M22759, M27500, and/or M81044 the Klixon, Potter/Brumfield, and/or Mechanica	ses meet or exceed the following specifications: (M17/29, and/or) - wire. All circuit breakers used for installation purposes were of l Products.
All of the above installed equipment was funct adverse effects on other aircraft systems.	ionally tested and was found to perform its intended function with no
Weight and Balance change recalculated. Equipm	ent list revised.

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AIRCRAFT	Piper SERIAL NO.			NATIONALITY	AND REGISTRATION M	ARK	
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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.

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B DESCRIPTION OF WORK ACCOMPLISHED (If more space is recroft nationality and registration mark and date	equired, attach additional sheets. Identify with airwork completed.)
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Form Approved Current Airworthiness Certificate issued I/A/W FAR 21.183(a) PER 21.273. Budget Bureau No. 04-R0058

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FAA AIRCRAFT REGISTRY 11-25-83

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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 air craft nationality and registration mark and described work completed.)

Removed 7100 radio Parel and installed Collins APR-350 Audio Panel in accordance with manufacturers instructions.

Unit was wired for power as illustrated below:

of 35th. 18 Gauge > Audio Dunel

Existing marker beacon antenna and cable were used.

The above installation has been functionally checked in accordance with manufacturers instructions and found to meet F.A.M. 23. 1301 requirements.

The above installations were static load trsted to $3e^2s$ up, $9e^2s$ forward, $6.6e^2s$ down and $5e^2s$ side loads. No permanent deformity of structure was noted.

Weight change was negligable. No weight and balance nevision.

Electrical load was identical to removed unit. No load analysis performed.

NOTHING FOLLOWS

ADDITIONAL SHEETS ARE ATTACHED

£ U.S. GOVERNMENT PRINTING OFFICE : 1965 OF--761-748

MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance) INSTRUCTIONS. Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision there for instructions and disposition of this form. AIRCRAFT				71 (]=	Form A	рргогеа Вигеан No.	04-R060). 1
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Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

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

Installed Narco DME 70 system. Panel unit installed in center of instrument panel in space provided by sircraft manufacturer as shown in AC43.13-2 fig. 2.2. Antenns installed on lower fuselage EXERCED below foreward baggage compartment according to manufacturers instructions.

Circuit protection provided by properly labeled and rated circuit breakers.

All cables routed and tied to prevent chafing and interference.

An electrical losd analysis indicates that a maximum continious load in excess of 80% of rated generator capacity does not exist. 60 smp. DC alternator presently installed.

Equipment functional checked. Compass swung, no change noted. Weight and balance and equipment list revised.

RECEIVED
FAA
APR 10 1972
SO-GADO-5
MIAMI, FLORIDA

ADDITIONAL SHEETS ARE ATTACHEL

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

Form Approved Budget Bureau No. 04-R060.1

	(Airfram	ne, Powerplant, Pi	opeller, or Applic		1-7	FICE IDENTIF	CATION	า
INSTRUCT		or type all entries. Secosition of this form.	FAR 43.9, FAR 43 Ap	pendix B, and	d AC 43.9-1 (or subsequent	revision	thereof
AIRCRAFT		iper		MODEL	PA-32S-	300		
٠	SERIAL NO.	25-7140045		NATIONAL	ITY AND REC	ISTRATION M	ARK	
. OWNER.	. [own on registration certif	-	ADDRESS (As shown on re	gistration certi	ficate)	-
	Exra	R., Jr. & S. K		Big	Flats,	New Yor	r 148:	14
	<u> </u>		3. FOR FAA USE O	MLY				-
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		A III	IIT IDENTIFICATION			· · · · · · · · · · · · · · · · · · ·	·	
TINU		MAKE 4. UI			Γ		5.	TYPE
	<u> </u>	,	MODEL		SERIA	IL NO.	REPAIR	ALTE
RFRAME	. •••	***************************************	As described in item 1 a	bove)	***********	***		XX
OWERPLANT								
OPELLER	4							
PLIANCE	MANUFACTURER			5.45 1.45 (1.75)		7		_
, A. A	GENCY'S NA	ME AND ADDRESS	6. CONFORMITY STATE	MENT ND OF AGEN	·~			
ELM IRA	AERONAU	TICAL CORP.	U.S. CERTIFICA		101	C. CER	TIFICATE	NO.
3330 S	ING SING	ROAD		FICATED MECHA	NIC	1	_	
noraen	eads, Ne	M TOLK	MANUFACTURE		4	136	5	٠.
I certify to attachment and that t	hat the repair ts hereto have he information	and/or alteration made been made in accordant n furnished herein is tr	le to the unit(s) ident	ified in item.	4 above and 3 of the U.S.	described on Federal Aviati	the reve on Regul	rse or ations
re .	4-71		SIGNATURE OF					
· >	9-7/		Kerm	5. 16h	wich H	1795	150	
irsuant to th	be authority ri	ven persons specified b	PPROVAL FOR RETURN TO	SERVICE			-	
e Administr	ator of the Fed	ven persons specified b leral Aviation Administr	ation and is APPR	OVED R	EJECTED	n the manner	prescribe	ed by
INSPE	CTOR	MANUFACTURER	INSPECTION AUTHORIZ	ZATION	OTHER (Specify)			
		X REPAIR STATION	CANADIAN DEPARTME OF TRANSPORT INSPE OF AIRCRAFT	CTOR .				
E OF APPR		CERTIFICATE OR DESIGNATION NO.				ig en	AAY ?	5 10
24								

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 Narco AT50 Transponder in the lower right side of instrument panel radio opening.

Installed Antenna at bottom left side of fuseledge 127.4 in aft of datum.

Policies contained in A.C. 43.13-2 chapter 1.2.3 were followed in this installation.

The equipment was connected to the main D.C. Buss as sketched

DC PEREGREAL APPROX. 36 of #18 WIRE TO NAK CO ATSO

The above installation were static load tested with 9 g's forward 3 g's up 6.6 g's down and 1.5 g's side loads and were found to meet FAR 23.561 requirements. No permanent deformation of structure was evident.

The above installations have been functionally checked in accordance with manufactures instructions and found to meet FAR 23.1301

requirements.

Electrical load checked per A.C. 43.13-1(241) the max. continious running load + 10% is 24 amps which is within 100% of normal alternator output of 60 amps.

One Chrysler 60 amp alternator installed.

The max. continious running load + 10% does not exceed 80% of normal alternator output so therefore no electrical load charts are necessary.

Nothing Follows

ADDITIONAL SHEETS ARE ATTACHED

U.S. GOVERNMENT PRINTING OFFICE : 1967 OF-272-065

	CALLERT OF TRANSPORTATION		Form Approved Budget Bureau N	o. 04-R060.1	
	FEDERAL AYIATION ADMINISTRATION		FOR FAA	USE ONLY	
	MAJOR REPAIR AND ALTERA	TION	OFFICE IDENTIFIE	CATION	
	tate Pausonlant Propeller, or	Appliance)	BOC GA	00 17	
TRUCTI	ONS: Print or type all entries. See FAR 43.9, FA ons and disposition of this form.	IR 43 Appendix B, and AC 43	.9-1 (or subsequent	revision thereof)	
	MAKE PIPER	MODEL PA-3	MODEL PA-325-300 NATIONALITY AND REGISTRATION MARK N3000K ADDRESS (As shown on registration certificate) BOX 125 B1g Flats, New York 14814		
AIRCRAFT	SERIAL NO325-7140045	NATIONALITY AN			
		ADDRESS (As show			
WNER	NAME (As shown on registration certificate) Ezra R. Jr. and S. Kay Wolc	Por 125			
	3. FOR	FAA USE ONLY			
		٠			
		TATION	······	5. TYPE	
	4. UNIT IDENTIFIC		SERIAL HO.	ALTER	
זואט	MAKE	MODEL	JERICE 1101		
FRAME	As described	l in item 1 phave)		XX	
WERPLAN	п	The stage			
OPELLER				-	
PLIANCE	TYPE 9				
	CONE	ORMITY STATEMENT			
		B. KIND OF AGENC	r C.	CERTIFICATE NO.	
A	. AGENCY'S NAME AND ADDRESS	U.S. CERTIFICATED MECHANIC			
330 60 [B] 129	172 Aeronautical Corp. 10 Sing Sing Rd. 10 Sepheads New York 14845 10 Sepheads New York 14845			1365	
oreahi					
D 1	tify that the repair and/or alteration made to the ments hereto have been made in accordance with	correct to the best of my kind		ed on the reverse Aviation Regulatio	
ATE	11-26-71	Frank EDE 72	STE ALV	Tospector	
	7. APPROVAL	FOR RETURN TO SERVICE	- inspected in the t		
Pursuant	initiative of the		EJECTED OTHER (Specify)		
The Admi			The second secon		
BY Adia	INSPECTOR	ANADIAN DEPARTMENT OF TRANSPORT INSPECTOR	The second secon		
	7. APPROVAL to the authority given persons specified below, the inistrator of the Federal Aviation Administration a	FOR RETURN TO SERVICE	- inspected in the t		

(8320)

CERTIFICATE OR DESIGNATION NO. 149 1813085

DATE OF APPROVAL OR REJECTION
//- 3G -- //
FAA Form 337 (7-67)

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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- Hack additional sheets. Identify with air-
8. DESCRIPTION OF WORK ACCOMPLISHED (If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)
11-26-71 PA-325-300 Serial#32S-7140045 N3000K
Installed the following: Narco Mk-16 with VOA-40 Omni Converter in the instrument panel, wide band AD-11 Avionics Associates Inc. at top of rear fuselage with doubler plate. Genave TAU-100 master audio control box above MK-16 in panel.
The above installations were done in accordance
Power for the above installations was obtained as follows: Audio MAIK TO TAKE TO PARTIE
Or. Treams also me
All connectors were supplied by the manufacture and cables were
made up to their specifications.
The above installations were stated and were found to
meet P.A.R. 23,561 requiremental No Political
The above installations have been functionally
with the manufactures instructions. Rich the manufactures instructions. Ricctrical load checked per A.C. 43.13-1 (241). The maximum Ricctrical load checked per A.C. 43.13-1 (241). The maximum
Electrical load checked per A.C. 4).1) (217) (21
Alteriator output
Nothing follows
NOTRING TOTAL
ADDITIONAL SHEETS ARE ATTACH