N8442H 1981 Piper PA-32-301

FAA Form 337s

MSN: 32-8106098



Prepared by the worldwide aviation specialists at RidgeAire, Inc.

Form Approved Electronic Tracking Number OMB No.2120-0020

			JOR REPAIR ANI					2/28/2011		or FAA Use Only
U.S. Department of Transportation		(Airfra	me, Powerplant, Pro	ope	eller, or A	ppliance)				
Federal Aviation										
instructions	and disposi	t or type all ent ition of this for U.S.C. §4630	ries. See Title CFR §43. n. This report is required 1(a)).	.9, F	Part 43 Appe law (49 U.S	endix B, and . S.C. §44701).	AC 43. Failu	9-1 (or su re to repo	ibsequ ort can	uent revision thereof) for result in a civil penalty for
1. Aircraf	National	lity and Registration	on Mark			Serial No.	m . 1	~/ ^^	سسن د	
I. AIFCIA	10 8	8442H					8/0	0609	8	Covince
	Make /	PA 32	-301 Pip-	er	, <u>m, , , , , , , , , , , , , , , , , , </u>	Model	432	- 30	/	Series
2. Owne	r	As shown on regis		Address (As shown on registration certificate) Address 4144 AURTOR RU Ste City Louington State Ky Zip 40515 Country USA						
	A:	- Mart	IK			City Zip	State WY			
			3. For	r FA	AA Use Onl		,	_		
4.	Гуре		5. Uni	it Id	entification				 -	
Repair	Alteration	Unit	Make				Model	- 1tn	Γ	Serial No.
	x	AIRFRAME				(As describ	ed in it	em 1 abo	ve)	32-8106098
		POWERPLAN	T	•••••			•			
		PROPELLER								
		APPLIANCE	Туре						_	
J			Manufacturer							
		1	6. Co	nfo	rmity State	ment				
	y's Name an			I	B. Kind of	Agency				
	KOMAS I	1. Fersu		X		ted Mechanic			1	Manufacturer
	1144 Hu Lexing b	riator Ru	State (Ky	-		ficated Mechan	ic	· · · · · · · · · · · · · · · · · · ·	-	Certificate No.
	10510		SA SA	-		Repair Station Maintenance On	ganizatio	×n	3	020594
hereto	have been	made in accon	eration made to the unit(s dance with the requirement and correct to the bes	ents	of Part 43 of	of the U.S. Fe	and des	scribed or Aviation R	n the re Regula	everse or attachments tions and that the
Extended ran 14 CFR Part		"	re/Date of Authorized Inc - 2017	divid	dual	1 h				
_		1 7-1	7. Approv	al	Return T	o Service				
Purs	uant to the a	uthority given	persons specified below, Aviation Administration	, the	unit identif	ed in item 5	was in	pected in		manner prescribed by
BY	FAA Fit. Sta Inspector		Manufacturer			ce Organizal	tion	Pe	erson Ap	ppoved by Canadian ent of Transport
	FAA Desig	ınee	Repair Station		Inspection	Authorizatio	n		Specify	
Certificate o	r Designation I	4 0.	Signature/Date of Autho	orize	ed Individual	····································	l		······································	***************************************
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FAA Form	337 (10-06)		7 77							

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.)

N8442H

4-1-2019

Nationality and Registration Mark

Date

Aircraft Total Time

Installed the Door Steward door assist gas spring modification in accordance with STC# SA01120SE, instructions MVA-B40C10M&O, on cabin and/or baggage door(s). Weight change negligble. Item added to the aircraft equipment list.

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS

The are NO MANDATORY replacement items, structural inspection intervals or related structural inspection procedures.

ATA Chapter 05 Time Limits/Maintenance Checks

05-00 General

The **Door Steward** ™ installation should be inspected during scheduled airframe periodic inspections that cover the door and door frame areas.

05-20 Scheduled Maintenance

Inspection of the installation will consist of the following:

- 1. Security of attachment of both airframe and door brackets to the associated structure.
- 2. Security of the gas spring attachment to their associated brackets.
- 3. Security of the rod end to the airframe bracket and ball stud to the door bracket.
- 4. Smooth operation of the gas spring. Inspect for evidence of end seal leakage or loss of gas spring pressure.

Additional Sheets Are Attached

US Department
of Transportation
Federal Aviation
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OMB No. 2120-0020 Exp: 5/31/2018	Electronic Tracking Number

For FAA Use Only

•	dministration	,										ļ				
i	nstructions	and dispos	ition of this i.C. §46301	form. (a))	This report is re				S.C. §447	01). F	ailure	to rep	ort can re	sequent revision thereof) for sult in a civil penalty for each		
			Nationality and Registration Mark								Serial No. 32-8106098					
1.	Aircraft	N8442H										100		Series		
			PIPER								PA32-301 Series 31					
		Name (As	s shown on					Address (As shown on registration certificate)								
2.	Owner	CHAV	ERS C	ONS'	TRUCTION	4 I	NC		Address	Address 1795 DETROIT BLVD City PENSACOLA State FL						
										Zip 32534 Country USA						
3. For FAA Use On								<u> </u>								
	4. Ty						5. U	Init Identifica	ition							
Τ	Repair	Alteration	Uni	it		Ma	ke			· · · · · ·	Mod	iel		Serial No.		
		×	AIRFRAM	1E	PIPER				(As described in Item 1 above)					32-8106098		
			POWERP	LANT						:						
			PROPELL	LER												
					Гуре											
			APPLIAN	CE	Manufacturer											
-			i			6.	. Co	nformity Sta	ement							
A.	Agency's N	lame and A	ddress					Kind of Agenc								
Nar	ne RICHA	RD CHAMPUT					x	U. S. Certific	ated Mecha	nic			Man	ufacturer		
	ress 4731 SUM					-			reign Certificated Mechanic C. Certif					cate No.		
City Zip	MILL B 36054		untry USA		State AL	-	\vdash	Certificated F			ization	,		3321294		
D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 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.																
	tended ran			Signat	ture/Date of Auth	noriz	red li	ndividual								
	r 14 CFR F p. B	Part 43			Buh	el		Chut	5			00	7-13	-2016		
					7.	Apj	prov	al for Return	to Servic	:0						
					ns specified be inistration and is		the		ed in iter			nspecto lejecte		manner prescribed by the		
P	lins	A Flt. Stand spector	lards	Manu	facturer		Ma	intenance Or	ganization	Persons Approved by Canadian Dapartment of Transport						
BY	1 1	A Designee		Repa	ir Station	X	ins	pection Author	orization		Othe	r (Spec	cify)			
Cer	Certificate or Oesignation No. 3440120 Signature Date of Authorized Individual Ovi 13/2016															

8. Description of Work Accomplished (If more space is required, attach additional s	sheets. Identify with aircraft nat	-	rk completed.) 2016
		Nationality and Registration Mark	Date
Installed Flap Hinge Fairing STO Maintenance Manual Issued Oc 10, 2010.			td., Installation and
Instruction for Continued Airwor October 15, 1988, Revision D Is			10.0 Issue date
	Weight and Baland	ce Changes	
6 Fairings and Hardware Weight and balance adjusted ac	Weight 1.2 lbs cordingly in aircraft r	Arm Station 133 ecords.	
	End		
	Additional Sheet	s Are Attached	

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US Department
of Transportation
Federal Aviation
Administration

OMB No. 2120-0020 Exp: 5/31/2018	Electronic Tracking Number
	For FAA Use Only

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	ral Aviation Inistration		(200	name	o, r oworpianc,	iop	7511	ioi, oi Appii	anooy				
instr	ructions		ition of	of this fo	form. This report is								ubsequent revision thereof) for result in a civil penalty for each
		Nationality N84421	•.	Registr	ration Mark				Serial No.	2-8	1060)98	
1. Airc	craft	Make P	IPE	ER_					Model PA	32	-30 ⁻	Series 31	
		Name (As	e (As shown on registration certificate) Address (As shown on registration certificate) Address 1795 DETROIT BLVD										
2. Ow	ner	CHAV	ERS	CO'	NSTRUCTIO	11 N(NC Address 1795 DETR						State FL
							Zip 32534				Cour	intry USA	
3. For FAA Use Only													
	4. Тур	θ					5.	Unit Identifica	ition				
Rep	pair	Alteration		Unit		Mal	ke			Mo	del		Serial No.
		x	AIRF	RAME	PIPER		_		(As describe	d in I	item 1 a	32-8106098	
			POW	/ERPLA	ANT								
]		PROF	PELLE									
			APPL	LIANCE	E Manufacturer								
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A. Age		ame and Ad	laress	-			R.	. Kind of Agenc	y ated Mechanic			Ma	nufacturer
Address							Ĥ						ficate No.
City	MILL BR	look			State AL.			Certificated R	epair Station	2221204			
Zip	36054		ишу	JSA			Ш	1	Aaintenance Organi				3321294
ı	have bee	en made in	accord	dance v	eration made to the with the requiremen ect to the best of my	nts of F	Р̀аrt	rt 43 of the U.S.	5 above and des Federal Aviation	scrib n Re	ed on th gulation	ne revers is and thi	se or attachments hereto at the information
ř .	ded rang	•		Ts	Signature/Date of Au	ıthoriz	ed	Individual					
per 14 App. B	CFR Pa	irt 43			Bul	<u>l</u>	<u>)</u>	Chip				0'	9-13-2011
							_	val for Return					
Purs Adm	uant to inistrato	the author	rity gir leral A	viation	persons specified by Administration and	elow, is	the		ed in item 5 w Approved		inspecte Rejected		e manner prescribed by the
вү –	_	A FIt. Standa pector	ards	^	Manufacturer		Mi	laintenance Org			Depart	tment of Ti	red by Canadian Fransport
	FA/	A Designee			Repair Station	X		nspection Author	rization	Othe	er (Spec	:ity) 	
Certific Design	ate or lation No	o. 34401	20	S	Signature/Date of Au	thoriz	7	Individual	0/17/2	70	ib		

8. Description of Work Accomplished (If more space is required, attach addi	itional sheets. Identify with airc	craft nationality and registration mark and date work N8442H 9/10/	
		Nationality and Registration Mark	Date
		in accordance with Knots 2U Ltd. S ssued February 5, 2010 and Manu	
Aileron gap seal not installe	ed at this time.		
Instructions for Continued A Maintenance / Instructions		ntained in Manual No. 32FGS-M S thiness.	ection 10 under
Weight and balance change	es:		
	Weight	Arm Sta.	
flap gap seal flap / fuselage seal	1.0 lbs .014	129 129	
stabilator gap seal Aircraft weight and balance	.042 adjusted accordingly	301 y in aircraft logs.	
	End	i	
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	Additiona	al Sheets Are Attached	

US Department
of Transportation
Federal Aviation
Administration

Administration						,		}		}		
instructions	and dispos		rm_This_report is re							sequent revision thereof) for sult in a civil penalty for each		
1. Aircraft	N	y and Registra 3 442 F	ation Mark				Serial No.	32-	8) 06	0 98 Series 3 2		
	Make F	Piper	:				Model	BA-32	-301	Series 32		
2. Owner	Name (As	s shown. Fre	gistra' certificate)		•		Address 179	Address (As Sown on registration certificate) Address 1795 Detroit BLVD				
Chaves confraction						city Pensacola EE				State FL ry USA		
		·			3. For	FAA Use	Only					
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4. Ty	pe		· · · · · · · · · · · · · · · · · · ·		5. Uni	it Identifi.	'n			A-		
Repair	Alteration	Unit Ma		Mal				Model		Serial No.		
		AIRFRAME					(As describe	ed in Item 1 a	above)			
		POWERPLA	NT		·	* b.						
		PROPELLE						• •				
		APPLIANCE	Type Manufacturer							·		
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				6.	·	ormity Sta						
A. Agency's Name Rick				\dashv		d of Agend	·					
Address 473	1 Suma	naput 1et Dr	_	-	U. S. Certificated Mechanic Foreign Certificated Mechanic C.				C. Certifi	ufacturer cate No		
	brook		State AL.	_		Certificated Repair Station						
Zip 36 05	<u> </u>	untry US/	9	Ì	7	Certificated N	Maintenance Organ	nization	372	1294		
have be	en made in	accordance v	eration made to the vith the requirements of to the best of my	s of P	Part 43	of the U.S				erse or attachments hereto It the information		
Extended ran		s	ignature/Date of Auti	horiz	zed ind	ividual						
App. B	411.40		, Such	ul		Chy	w	-	29-13	3-2016.		
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			ersons specified be Administration and i		, the i		Approved	was inspect		e manner prescribed by the		
	A Fit. Stand spector	lards	Manufacturer		Maint	tenance Or	ganization	Depai	tment of Tr	ed by Canadian ansport		
1 1	VA Designee	F	Repair Station		Inspe	ection Auth	orization	Other (Spe	ecity)			
Certificate or Designation N		s	ignature Date of Aut	horiz	zed Ind	lividual	<u> </u>	اللم				
344012			Edward	1	. [Jan-	4/	13/16				

8. Description of Work Accomplished (If more space is required, attach additional sheets. Identify with aircraft nation	nality and registration mark and date N8442H	work completed.) 9/10/2016
	Nationality and Registration Mark	Date
Installed Tank Fair Wing Smoothing kit STC SA1486S Accordance with Laminar Flow Systems Inc. drawing S		1 S/N 32-8106098 In
Negligible Weight Change		
End		
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Additional Sheets	Are Attached	

US Department
of Transportation
Federal Aviation

OMB No. 2120-0020 Ехр: 5/31/2018	Electronic Tracking Number
<u> </u>	For FAA Use Only

Fed	ransportation leral Aviation ministration	ກ	(Airf	rame, P	Powerplant, F	rop	el	ler	, or Appl	iance)				
ins	structions	IONS: Print and dispos on. (49 U.S	ition of	f this form.	es. See Title 1 This report is r	4 CF requir	R	§4: by	3.9, Part 43 law (49 U.\$	Appendi S.C. §4470	x B, and / 01). Failui	AC 43.9 re to rep	-1 (or su cort can r	ubsequent revision thereof) for result in a civil penalty for each
		Nationalit N8442		Registratio	n Mark		Serial No. 32-8106098							
1. Alrcraft PIPER			R					PA32-301			Series 31			
Name (As shown on registration certificate)						Address (As shown on registration certificate)								
2. Owner CHAVERS CONSTRUCTIO					STRUCTIO	RUCTION INC			Address City	State FL				
							City PENSACOLA Zip 32534				Cou	intry USA		
						3.	Fo	r FAA Use	Only					
														·
	4. Tyj)e					5.	Un	it Identifica	tion				
R	epair	Alteration		Unit		Mal	ke				Mo	odel	,	Serial No.
		x	AIRFRAME		PIPER			(As described in Item 1 above)			32-8106098			
			POWERPLANT							·				
			PROF	PELLER										
			APPLIANCE Manufacturer											
ΔΔ	noncy's N	lame and A	ddroee			<u>6.</u>	,		formity State					
Name		RD CHAMPUT	uuicss				×		U. S. Certifica	<u> </u>	nic		Ma	nufacturer
Addres		··				_		Foreign Certificated Mechanic			C. Certificate No.			
City Zip	MILL B 36054		mary U	SA	_State AL	_	_	+-	Certificated R	<u> </u>		on .		3321294
D.	have be	en made in	accord	lance with		ts of F	Sar	rt 43	3 of the U.S.					se or attachments hereto at the information
per 1	Extended range fuel per 14 CFR Part 43 App. 8 Signature/Date of Authorized Individual OF - 13 - 2016													
							_	_	for Return					
Pu Ad	rsuant to ministrate	the author of the Fed	rity giv Jeral Av	ven perso	ons specified be ministration and	elow, is	th	he i		Approve		inspect Rejecte	ed in th	e manner prescribed by the
BY		A Fit. Stand pector	ards	Man	ufacturer		М	lain	tenance On	ganization		Depar	tment of T	red by Canadian Fransport
	FA	A Designee			air Station	X			ection Autho	rization	Oth	er (Spe	caty)	
Certif Desig	esignation No. 3440120 Signature/Date of Authorized Individual													

Description of Work Accomplished (If more space is required, attach additional sheets.	Identify with aircraft nation	nality and registration mark and dat N8442H	e work completed.) 9/10/2016
		Nationality and Registration Mark	Date
REMOVED MAIN LANDING GEAR L MAINTENANCE MANUAL 32-81-00. INSTALLED LAMINAR FLOW SYSTE LFS-4000 INSTALLATION INSTRUC SUPPLEMENTAL TYPE CERTIFICA REISSUE.	EMS SPEED PAI TIONS. APPRO	NTS KIT ON MAIN LAN VAL DATED AUGUST	DING GEAR PER 13, 2014.
INSTRUCTIONS FOR CONTINUED ARE INCLUDED IN LFS-4000 DATE		•	ANCE DIRECTION
MAIN WHEEL FAIRINGS (REMOVEI LEFT MAIN WHEEL SPEEDPANT 5. RIGHT MAIN WHEEL SPEEDPANT ! HARDWARE FOR INSTALLATION C	OLBS ARM STA 5.8 LBS ARM ST	A. 113.60 FA. 113.60	113.60
AIRCRAFT WEIGHT AND BALANCE	ADJUSTED AC	CORDINGLY IN AIRCF	RAFT RECORDS.
· · · · · · · · · · · · · · · · · · ·	e ar e	* * * * * * * * * * * * * * * * * * * *	
	Additional Sheets	Are Attached	

②
US Department
of Transportation
Federal Aviation

MAJOR REPAIR AND ALTERATION

OMB No. 2120-0020 Exp: 5/31/2018	Electronic Tracking Number
	For FAA Use Only

of Fe	os Department of Transportation (Airframe, Powerplant, Propeller, or Appliance) Federal Aviation Administration													
in	structions	s and dispos ion. (49 U.S	ition of C. §46	this forr 301(a))	n. This report is	14 CI requi	FR §	43.9, Part 43 by law (49 U.	S.C. §4470	01). F	ailure	e to rep	ort can r	ubsequent revision thereof) for each
Nationality and Registration Mark N8442H								Serial No. 32-8106098						
1. A	ircraft	PIPER					Model				A32-301			Series 31
		Name (A	s show	n on regi	stration certificate)			1	•			gistration	certificate)
2. C	2. Owner CHAVERS CONSTRUCTION						NC	•		ddress 1795 DETROIT BLVD ity PENSACOLA State FL				State FL
									Zip	32534		•	Cour	
							3. F	or FAA Use	Only					
								·				,	· •	
	4. Type 5. Unit identification													
F	Repair	Alteration		Unit		Ma	ike		Model			del		Serial No.
		x	AIRFF	RAME	PIPER	PIPER			(As described in Item 1 above)			tem 1 a	32-8106098	
			POWI	WERPLANT										
			PROF	ELLER										
			APPL	IANCE	Type Manufacturer									
A A	manmula N	Jama and A				6		nformity Stat						
A. A		Name and A	aaress				X	V. S. Certification		nic			Mai	nufacturer
	4731 SUM						- ^ _ _			ficate No.				
City Zip	MILL B 36054		untry US	SA	State AL.	_	H	Certificated F	·		ملفيجا			3321294
	l certify have be	that the repa	air and/ accord	or altera		s of I	Part 4	ntified in item 43 of the U.S	5 above a	ind de	scrib	ed on ti		e or attachments hereto at the information
	ended ran 14 CFR F . B			Sigi	nature/Date of Au	thoriz		ndividual L C	الكسير				०६-	13 <i>- 2016</i>
						. Ap	prov	al for Return	to Service	е				
					sons specified be dministration and		the	unit identifi	ed in item Approve			nspecte Rejecte		e manner prescribed by the
BY	1 111	A Fit. Stand spector	ards	Ma	nufacturer		Ma	Maintenance Organization			Persons Approved by Canadian Department of Transport			
	FA	A Designee			pair Station	X	L	pection Author	orization		Othe	er (Spec	xfy) 	
Certi Desi	ficate or gnation N	lo. 34401	20	Sign	Havan L	thoriz	-	ndividual Seum	0	dr	3	20	ib	

8. Description of Work Accomplished (If more space is required, attach additional sheets. Identify	with aircraft nationality a N8442		nd date work completed., 9/10/2016)
	Nation	nality and Registration M	ark Date	
Installed Piper PA-32 Wing Root Fairings (I 32WR-M Rev. E dated 2/5/10. STC No. SA	Left and Right) A1217GL amen	per Installation a ded March 29, 2	and Maintenance 2010.	e Manual
Maintenance / Instruction for Continued Air dated 2/5/10.	worthiness con	tained in Manua	al No. 32WR-M F	Rev. E
Weight a	and Balance Ch	anges		
Wing Root Fairings and Hardware	Weight 1.1 lbs		n Station 7.8	
	End			
		•		
• <u> </u>		•	# .	
✓ A	dditional Sheets Are At	tached		

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of Transportation	n
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OMB No. 2120-0020 Exp: 5/31/2018	Electronic Tracking Number
	For FAA Use Only

of Transpo Federal A Administr	viation		(AIITI	rame, i	owerplant, r	rop	elk	er, or Appı	iance)					
instruct	ions a		ition of	this form					S.C. §44701). F	ailure to rep	ort can re	bsequent revision thereof) for each a		
. 4. 83		Nationalit N8442	•	egistratio	on Mark				Serial No. 32-8106098					
1. Aircraf	rt.	Make P	IPE	R					PA-32-301 Series 32					
Name (As shown on registration certificate) Address (As shown on registration certificate) Address 1795 DETROIT BLVD										certificate)				
2. Owner	,	CHAV	ERS	CON	STUCTION	INC			City PENSA			State FL		
Zip 32534 Country USA										try USA				
3. For FAA Use Only														
			•		*	•		ţ						
4.	Туре						5 . L	Jnit Identifica	ition			·		
Repair	^	Viteration		Unit		Ma	ke		·····	Model		Serial No.		
		×	AIRFR	AME	PIPER		(As described in Item 1 abo					32-8106098		
			POWE	RPLAN	1									
			PROP	ELLER										
					Туре		.,							
			APPLI	ANCE	Manufacturer			.`						
			<u> </u>			6.	Ci	ormity Stat	ement					
A. Agency	y's Nai	me and A	ddress					rind of Agenc						
	CHARD	CHAPUT					×		ated Mechanic			ufacturer		
Audiess	ILL BRO				State AL				ficated Mechanic		C. Certifi	cate No.		
	3054		intry US	Α		_	+	Certificated R	laintenance Organi	ization		3321294		
hav	e beer	n made in	accorda	ance with	ion made to the unit the requirement to the best of my	s of F	Part	43 of the U.S.	5 above and de Federal Aviation	scribed on the Regulation	he reverse is and tha	e or attachments hereto ` t the information		
Extended per 14 CF App. B				Sign	ature/Date of Aut	horiz	ed I	ndividual	1 .	AG	1/12	12016		
- 40.0					(5)	A ==		ral for Return	to Comice	09	1 13/	1 2010		
Pursuar Adminis	nt to t	the autho	rity giv ieral Av	en pers		wőle	_	unit identifi		as inspecte		manner prescribed by the		
DV.	FAA Inspe	Fit. Stand	ards	Mar	ufacturer		Ma	intenance On	ganization		ns Approve tment of Tr	ed by Canadian ansport		
BY	FAA	Designee		Rep	air Station	X	ins	spection Author	orization	Other (Spec	afy)			
Certificate Designation	or on No.	34401	20	Sign	ature/Date on Aut	horiz	ed I	ndividual	91	13/2	46			
				1	BUSTON	-1 '	+		-1	- 1 -				

8. Description of Work Accomplished (If more space is required, attach additional sheets. Identify with aircraft re	nationality and registration mark and de N8442H	ate work completed.) 9/10/2016
	Nationality and Registration Mark	Date
INSTALLATION OF VORTEX GENERATORS ON IN ACCORDANCE WITH DRAWING PACKAGE MA 2009, AND INSTALLATION MANUAL MA 2189, RE STC # SA01266SE.	A2188 REVISION A, DAT	ED OCTOBER 26,
INSTRUCTIONS FOR CONTINUED AIRWORTHIN SEE MICRODYNAMICS DOCUMENT MA0666, RE		X GENERATORS,
NEGLIGILBLE WEIGHT	CHANGE	
END		-
	•	
Additional She	eets Are Attached	

U.S Department of Transportation Federal Aviation Administration

MAJOR REPAIR AND ALTERATION (Airframe, PowerPoint, 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 1958)

		ch violation (Section					. 1421). Fallule	to report c	an result in a civil	penalty not to excee	a \$1,000				
Make Piper 1. Aircraft							Model Pa-32-301								
1. Aircr	aft	Serial No. 32-8106098					Nationality and Registration Mark N8442H								
2. Own	er	Name (As shown Chavers Constru			ificate)		Address (As shown on registration certificate) 1795 Detroit Blvd Pensacola FL 32534								
3. For FAA Use Only															
											·				
		1			ı	4	. Unit Identifica	tion			5. Type				
U	nit	Ma	ke				Model		Ser	ial No.	Repair	Alteration			
AIRFRA	AIRFRAME ~~~~~~(As des						bed in item 1 a	bove)~~		.~~~~~		x			
POWER	ERPLANT														
PROPE	PELLER					. .	•								
APPLIA	Type APPLIANCE Manufacturer														
	NI						Conformity Sta	tement		To 0 115 1 11					
A. Age	icy s ivi	ame and Address FLIGHT CONTROL	SFR	VICES		B. N	ind of Agency U.S. Certificated	Mechani	<u> </u>	C. Certificate No.					
		5550 N AIRPO MILTON, FL	RT R	D			Foreign Certificated Rep Manufacturer	ited Mech	RS 0FHR414L						
r	ave be	hat the repair and/or and and and and and and and correct to the	ce wit	h the requiren	nents of Pa	identifi art 43	ied in item 4 abov of the U.S. Feder	e and des	scribed on the reven Regulations and	erse or attachments I that the information	nereto furnished				
Date							Signature of Aut	horized h	dividual	\					
August	10, 201	7					DAN FRENCH	1	Jan Ann	6					
	····						proval for Retur								
		he authority given pe r of the Federal Aviat			ow, the uni	it iden AF		s inspecte REJECTED		rescribed by the					
ВV		AA Fit Standards		Manufacture	r		Inspection Author	orization		Other (Specify)					
BY	F	AA Designee	х	Repair Statio	on		Person Approved by Transport Canada Airworthiness Group								
Date of August		al or Rejection 7	Desi	ificate or ignation No. R414L			Signature of Authorized Individual								

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.

THE FOLLOWING IS A DESCRIPTION OF ITEMS INSTALLED IN THE AIRCRAFT LISTED ON BLOCK 1. ALL WORK CONFORMS TO ACCEPTABLE
METHODS USING PREVIOUSLY APPROVED DATA PROVIDED BY THE <u>FEDERAL AVIATION ADMINISTRATION</u> , AND THE MANUFACTURER.
APPAERO ESG MODE S/ADS-B OUT TRANSPONDER UNDER APPAERO ESG STC SA04112CH USING MANUFACTURER'S INSTALLATION MANUAL #600840-000032 REV 1.4 06/22/2016.
ITEMS REMOVED: KT-76A MODE A/C TRANSPONDER. NO OTHER CHANGES HAVE BEEN MADE NOR HAS THERE BEEN ANY DEVIATION TO STC.
1. <u>INSTALLATION 1090ES</u> INSTALLATION WAS ACCOMPLISHED USING APPAERO TECH DATA INCLUDING INSTALL MANUAL #600840-000032 REV 1.4 06/22/2016. ESG INSTALLED SECURELY IN RADIO STACK REPLACING EXISTING TRANSPONDER AND ACCESSIBLE BY FLIGHT CREW USING MATERIALS SUPPLIED AS A KIT BY THE MANUFACTURER. INTERFACED ESG TO EXISTING MODE C ENCODER, ANTENNA AND DC POWER SOURCE THIS INSTALLATION IS A FOLLOW ON TO STC NO. SA04112CH. THE INSTALLED ADS-B OUT SYSTEM WAS SHOWN TO MEET THE EQUIPMENT PERFORMANCE REQUIREMENTS OF 14 CFR PART 91.227.
2. INSPECTION
THIS EQUIPMENT GROUND TESTED IN AIRCRAFT, AND FOUND NOT TO BE A SOURCE OF OBJECTIONABLE ELECTROMAGNETIC INTERFERENCE. FUNCTION TESTING CONFIRMS PROPER AND SAFE OPERATION IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS. SAFETY OF MOUNTING AND CLEARANCE FROM ALL MOVABLE CONTROL LINKAGES AND CABLES OF THIS EQUIPMENT AND WIRING INTERFACE WERE FOUND TO CONFORM WITH THE AIRFRAME MANUFACTURERS SPECIFICATIONS AND SA04112CH. A SURVEY OF THIS AIRCRAFT'S ELECTRICAL POWER GENERATION CAPABILITY SHOWS SYSTEM DEMAND WILL NOT EXCEED 70% OF RATED OUTPUT. (PART 23.1351).
3. <u>APPROVAL</u> AS PER STC: THE APPROVAL BASIS IS BY FOLLOW ON STC DATE ISSUED 07/07/2016. REFERENCE SA04112CH. THIS INSTALLATION IS IAW APPAERO INSTALLATION MANUAL #600840-000032 REV 1.5 09/22/2016 (THE MOST CURRENT).
4. RETURN TO SERVICE A TEST FLIGHT WAS PERFORMED ON 08/10/2017 AND THE ESG OPERATED AS SPECIFIED. THE APPAERO ESG ICA PART NUMBER #600845-000025 REV 1.2 06/22/2016 WAS COMPLETED ON THIS DATE AND INSERTED INTO MAINTENANCE RECORDS, INCLUDING WORKSHEETS, DIAGRAMS AND CONFIGURATION. THE APPROVED APPAERO ESG APPROVED FLIGHT MANUAL SUPPLEMENT WAS COMPLETED ON THIS DATE AND INSTALLED IN AIRCRAFT.
AIRCRAFT WEIGHT AND BALANCE HAS BEEN RECOMPUTED AND ENTERED AS A PERMANENT RECORD IN THE PROPER SECTION OF THE FLIGHT MANUAL. THE EQUIPMENT LIST HAS BEEN UPDATED IN THE STYLE FOR THIS AIRFRAME. A LOGBOOK ENTRY HAS BEEN MADE. AIRCRAFT HAS BEEN APPROVED FOR RETURN TO SERVICE.
END
Additional Sheets Are Attached
Z Additional officers Are Attached

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

STRATUS ESG

Installation Instructions

Revision 1.5

APPAREO

This document and the information contained herein are the property of Appareo Systems, LLC and are confidential. They may not be disseminated or redistributed without the written permission of Appareo Systems, LLC

APPAREO SYSTEMS, LLC

FARGO, NORTH DAKOTA 58102

Stratus ESG Installation Instructions

Document Number

600840-000032

Document Type Certification

22 September 2016

1.5 | Sneet 1.5

1 of 47

US Department
of Transportation
Federal Aviation
Administration

OMB No. 2120-0020 Exp: 5/31/2018	Electronic Tracking Number						
	or FAA Use Only						

F	Transportation of the contraction of the contractio	on	(Airf	rame, P	owerplant, P	rop	eile	r, or Appl	iance)							
İI	nstructions	TIONS: Print and disposion. (49 U.S	ition of	this form.	es. See Title 14 This report is n	4 CF equir	FR §-	43.9, Part 43 y law (49 U.9	S.C. §447	701). Fa	ailure	e to repo	ort can re	sequent revision there sult in a civil penalty fo	eof) for or each	
		Nationalit N84421		Registratio	n Mark			Serial No. 32-81					106098			
1. /	Aircraft	Make P	PIPER						Model			-301		Geries 31		
		Name (A	s showr	on regist	ration certificate)					•		-	istration o	ertificate)		
2. (Owner	CHAV	ERS	CONS	STRUCTION	NC		Address	1795 DE				State FL			
							Zip	32534			Count	y USA				
3. For FAA Use Only																
	4. Ty	pe					5. U	nit Identifica	ition							
	Repair	Alteration		Unit		Ma	ke		Model			del	Serial No.			
		×	AIRFF	RAME	PIPER	(As described in Item 1 above)					32-8106098					
			POW	ERPLANT												
			PROF	ELLER												
		Type APPLIANCE Manufacturer														
Λ	A gongy's	Name and A	ddmaa			6.		nformity Sta								
Nan		RD CHAMPUT	uuress				x	U. S. Certific		anic		T	Manu	ufacturer		
Add	731 SUI	MIT DR.				_		Foreign Cert	ficated Me	chanic			C. Certific			
City Zip	MILL 8 36054	BROOK Co	untry US	SA .	State AL	_	H	Certificated F			zatio	n		3321294		
). I certify have b	that the rep	air and	or alterati	on made to the u the requirement o the best of my	s of I	Part 4	ntified in item 43 of the U.S	5 above	and des	scrib	ed on th	e reverse s and that	or attachments hereto)	
Ext	ended rar	ige fuel		Signa	ature/Date of Aut	horiz	zed Ir	ndividual								
	· 14 CFR I p. B	Part 43			Buch	rl	2_(Shut	5			00	n-13	-201k		
								al for Return		_						
A	dministra	or of the Fe	deral A	ven perso	ons specified be ministration and i	low, s	, the		ed in ite Approv			inspecte Rejected		manner prescribed	by the	
BY	l In	A Fit. Stand spector	lards	Man	ufacturer		Ma	Maintenance Organization				Persons Approved by Cenedian Department of Transport Other (Specify)				
	F/	AA Designee	,	Rep	air Station	X	Ins	pection Auth	orization		UIN	er (Spec				
Cer Des	tificate or signation I	10. 34401	20	Signa	ature/Date of Aut	horiz	zed Ir	ndividual	c	4/13	: [:	ارمد	0			

8. Description of Work Accomplished (If more space is required, attach additional shee	ts. Identify with aircraft natio	onality and registration mark and date work completed.) N8442H 9/10/2016								
		Nationality and Registration Mark Date								
nstalled Flap Hinge Fairing STC # SA1195GL Kit In accordance with Knots 2u Ltd., Installation and Maintenance Manual Issued October 15, 1988, Revision D Issued February 10, 2010.										
Instruction for Continued Airworthin October 15, 1988, Revision D Issu		Manual No. 32HF-M Section 10.0 Issue date 010.								
	Weight and Balanc	e Changes								
6 Fairings and Hardware Weight and balance adjusted acco	Weight 1.2 lbs rdingly in aircraft re	Arm Station 133 ecords.								
	End									
	Additional Sheets	Are Attached								

US Department
of Transportation
Federal Aviation
Administration

US Department of Transportation Federal Aviation Administration	n on			owerplant, F								For FAA Use Only	
instructions		ition of th	is form.					S.C. §447	01). F	ailure to rep	ort can re	bsequent revision thereof) for each	
Nationality and Registration Mark N8442H 1. Alrcraft Nake PIPER Nationality and Registration Mark N8442H Make PIPER Nake PA32-301 Series 31													
									Series 31				
2. Owner	1		•	ration certificate STRUCTIO			•	hown on re Etroit BLVD Cola	certificate) State FL try USA				
3. For FAA Use Only													
4. Ty	pe					5. l	Unit Identifica	ition					
Repair	Alteration	U	nit		ke					Serial No.			
	x	AIRFRA	ME	PIPER		(As d	escribe	d in Item 1	32-8106098				
		POWER	RPLANT					·					
		PROPE	LLER										
		APPLIA	NCE	Type Manufacturer									
A. Agency's I	Jame and A	ddroes			6.		nformity State Kind of Agence						
	RD CHAMPUT	uuress				x	U. S. Certific	<u> </u>	anic		Man	wfacturer	
Address 4731 SUM						Ĥ	Foreign Certi	ficated Me	chanic		C. Certifi		
	ROOK	unto, USA		State AL			Certificated F					3321294	
have be	that the rep	air and/or	r alteration nee with correct to	the requirement o the best of my	ts of I	Part vled	43 of the U.S ge.	5 above	and de	scribed on t		e or attachments hereto at the information	
	Extended range fuel per 14 CFR Part 43 App. B Signature/Date of Authorized Individual Chaput 09-13-2014										î-13 <i>-2014</i>		
							ral for Return						
Pursuant t Administrat	o the author or of the Feo	ority give deral Avia	n perso	ons specified b ministration and	elow, is	the		ed in ite Approv		vas inspect Rejecte		manner prescribed by the	
1 1 .	A Fit. Stand spector	lards	Man	ufacturer Main			aintenance Or	enance Organization			Persons Approved by Canadian Department of Transport her (Specify)		
	VA Designee			air Station	X	L,	spection Author	orization		Outer (Spe			
Certificate or Designation N	ю. 34401	20	Signa	ature/Date of Au	unonz	2	Individual Sevi	0/1	3	4104			

 Description of Work Accomplished (If more space is required, attach add 	litional sheets. Identify with air	rcraft nationality and registration mark and date w N8442H 9/	rork completed.) 10/2016
		Nationality and Registration Mark	Date
		in accordance with Knots 2U Ltd ssued February 5, 2010 and Ma	
Aileron gap seal not install	ed at this time.		
Instructions for Continued A Maintenance / Instructions		ntained in Manual No. 32FGS-M rthiness.	Section 10 under
Weight and balance chang	es:		
	Weight	Arm Sta.	
flap gap seal flap / fuselage seal	1.0 lbs .014	129 129	
stabilator gap seal Aircraft weight and balance	.042 e adjusted according	301 ly in aircraft logs.	
	End	d	
	Addition	nal Sheets Are Attached	

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US Department
-4 T

OMB No. 2120-0020 Exp: 5/31/2018	Electronic Tracking Number
	For FAA Use Only

Federal Aviation Administration INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 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. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a)) Serial No. 32-8106098 Nationality and Registration Mark N8442H 1. Aircraft Make Model PIPER 31 Name (As shown on registration certificate) Address (As shown on registration certificate) Address 1795 DETROIT BLVD CHAVERS CONSTRUCTION INC 2. Owner City PENSACOLA State FL 32534 Country USA 3. For FAA Use Only 5. Unit Identification 4. Type Repair Alteration Unit Make Model Serial No. PIPER 32-8106098 (As described in Item 1 above) **AIRFRAME** X POWERPLANT Γ PROPELLER уре APPLIANCE Manufacturer 6. Conformity Statement A. Agency's Name and Address B. Kind of Agency RICHARD CHAMPUT U. S. Certificated Mechanic Manufacturer 4731 SUMMIT DR. Foreign Certificated Mechanic C. Certificate No. State AL MILL BROOK Certificated Repair Station 3321294 USA Certificated Maintenance Organization 36054 Country I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge. Signature/Date of Authorized Individual Extended range fuel per 14 CFR Part 43 App. B 09-13-2016 7. Approval for Return to Service Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is x Approved Rejected FAA Flt. Standards Persons Approved by Canadian Maintenance Organization Manufacturer Inspector Department of Transport BY Other (Specify) Inspection Authorization **FAA Designee** Repair Station Certificate or Signature/Date of Authorized Individual Designation No. 3440120 9/13/2016

B. Description of Work Accomplished (If more space is required, attach additional sheets. Identify with aircraft r	nationality and registration mark and date work completed.) N8442H 9/10/2016
	Nationality and Registration Mark Date
REMOVED MAIN LANDING GEAR LEFT AND RIG MAINTENANCE MANUAL 32-81-00. INSTALLED LAMINAR FLOW SYSTEMS SPEED F LFS-4000 INSTALLATION INSTRUCTIONS. APPI SUPPLEMENTAL TYPE CERTIFICATE NUMBER REISSUE.	PANTS KIT ON MAIN LANDING GEAR PER ROVAL DATED AUGUST 13, 2014.
INSTRUCTIONS FOR CONTINUED AIRWORTHIN ARE INCLUDED IN LFS-4000 DATED AUGUST 13	
MAIN WHEEL FAIRINGS (REMOVED) 17.0 LBS A LEFT MAIN WHEEL SPEEDPANT 5.0 LBS ARM S RIGHT MAIN WHEEL SPEEDPANT 5.8 LBS ARM HARDWARE FOR INSTALLATION OF WHEEL PA	STA. 113.60 I STA. 113.60
AIRCRAFT WEIGHT AND BALANCE ADJUSTED	ACCORDINGLY IN AIRCRAFT RECORDS.
✓ Additional She	eets Are Attached

US Department
of Transportation
Federal Aviation
A designation .

OMB No. 2120-0020 Exp: 5/31/2018	Electronic Tracking Number
	For FAA Use Only

	US Department of Transportation (Airframe, Powerplant, Propeller, or Appliance)													
Federal Aviati Administratio		()		p		•••	o., o	,						
INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 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. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))														
Nationality and Registration Mark N8442H							Serial No. 32-8106098							
PIPER Model F									PA32-301 Series 31					1
Name (As shown on registration certificate) Address (As shown on n Address 1795 DETROIT BLVI									-	istration	certificate)		
2. Owner CHAVERS CONSTRUCTION INC							;	City	PENSA				***************************************	State FL
3 For FAA Hea								Zip	32534			Cour	ntry USA	
3. For FAA Use Only														
4. Ty	be			r		5. (Unit Identifica	tion						
Repair	Alteration	U	nit		Mal	ke		Model				<u> </u>	Serial No.	
	x	AIRFRA	ME	PIPER				(As described in Item 1 above) 32-810					106098	
		POWER	RPLANT									<u>-</u>	<u> </u>	
		PROPE	LLER								** *			
	APPLIANCE Manufacturer													
A Agency's	Name and A	ddroee			6.		nformity State Kind of Agence					··-		
	ARD CHAMPUT	uuress				ъ. х	U. S. Certifica	<u> </u>	anic		1	Mar	nufacturer	
Address 4731 SU	MMIT OR.				_		Foreign Certi	ficated Med	chanic				ficate No.	
I —	BROOK	LISA		State AL	-		Certificated F						332	1294
D. I certify	D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 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.													
Extended rai per 14 CFR App. B			Sign	ature/Date of Au	thoriz	ed I		كتسا				09-	l3 - ä	2016
				7	. Apı	orov	val for Return	to Servi	ce				-0 0	U i P
Pursuant Administra	to the autho tor of the Fed	ority give deral Avia	n perso		elow,				m 5 v		nspecte Rejecte		e manner	prescribed by the
1 1 1.	AA Fit. Stand spector	lards	Man	ufacturer		Ma	aintenance Or	ganization	n			ns Approv	ed by Cana ransport	dian
F.	AA Designee		Rep	air Station	X	ln	spection Author	orization		Othe	r (Spec	ify)		
Certificate or Designation No. 3440120 Signature/Date of Authorized Individual														

8. Description of Work Accomplished (If more space is required, attach additional sheets.	Identify with aircraft nation	onality and registration mark and dat N8442H	e work completed.) 9/10/2016							
		Nationality and Registration Mark	 Date							
Installed Piper PA-32 Wing Root Fairings (Left and Right) per Installation and Maintenance Manual 32WR-M Rev. E dated 2/5/10. STC No. SA1217GL amended March 29, 2010.										
Maintenance / Instruction for Continudated 2/5/10.	ued Airworthiness	contained in Manual No	o. 32WR-M Rev. E							
w	eight and Balanc	e Changes								
Wing Root Fairings and Hardware	Weight 1.1 lb		ation							
	End									
·	✓ Additional Sheets	Are Attached								

(2)
US Department
of Transportation
Federal Aviation
Administration

Form Approved OMB No. 2120-0020	Electronic Tracking Number
11/30/2007	·

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 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. §44701). Failure to report can result in a civil penalty for each

	s and disposition. (49 U.S.			This seport is rec	quired	by	law (49 U.S					ult in a civil penalty for each
	Nationality	y and Regis	stration	ı Mark				Serial No.	3	2	8706	0 98
1. Aircraft		Piper	·			Model #4-32-30) Series 3 2						eries 32
2. Owner		Name (As shown, registre certificate) Chaves confront						Address (As S Address / 79 City Power Zip 325	5 (geole	Detr	oit C	State FL
			r FAA Use									
- -		in the second se										•
4. Ty	pe				5.	. Ur	nit Identifi	'n				
Repair	Alteration	Unit			Make	 -			Mod		i dia	Serial No.
		AIRFRAM	ΙE	(As described in Item 1 about							bove)	
		POWERP	LANT	ANT								
·		PROPELL	ER						٠,	• •		
		APPLIANC	CE	Type Manufacturer								
							formity Stat					
	Name and A				B	_	ind of Agend			—т	-т	
Name KIC	herD C 3) Suma	haput)r.		- <u> </u> -	+		ated Mechanic ficated Mechanic				ufacturer
	brook	10 1	<u> </u>	State AL.	-	+		Repair Station			C. Certific	sate No.
Zip 360		ountry U	SA		_ -	+		Maintenance Organ	ization	,	332	1294
have b	een made in	accordance	e with prrect to	the requirements o the best of my k	s of Pa knowle	art 4 edg	43 of the U.S e.	em 5 above and . Federal Aviatio	desc n Reg	ribed o	on the reve as and tha	erse or attachments hereto
Extended ra per 14.CFR App. B			Signa	ature/Date of Auth	norized	d In	Chy	ut		4	39-13	3-2016.
				7.	Appro	ova	al for Return	to Service				
				ons specified be ministration and is		the		ied in item 5 v Approved	_	nspecte Rejecte		manner prescribed by the
	AA Fit. Stand	I I Manutacturer I			N	Mai	intenance Or	ganization		Depar	tment of Tra	d by Canadian ansport
! ! !	AA Designee)	Rep	air Station		Insp	pection Auth	orization	Othe	r (Spe	cify) 	
Certificate or Designation			Signa	atura/Date of Auth	norized	d In	ndividual	- I	1 -	0		
344018				ideval	1.	\mathcal{D}	aui	9/13	3/2	LO14	2	'

8. Description of Work Accomplished (If more space is required, attach additional sheets. Identify w			
	<u></u>	₩8442H	9/10/2016
	 1	Nationality and Registration Mark	Date
Installed Tank Fair Wing Smoothing kit STC Accordance with Laminar Flow Systems Inc			1 S/N 32-8106098 In
Consult Piper Maintenance Manual for cont	inued Air W	orthiness PA-32-301 C	Chapter 4
Negligible Weig	ght Change		
	End		
Ad	Iditional Sheets A	ve Attached	

31			

8. Description of Work Accomplished		
(If more space is required, attach additional sheets. Identify with aircraft nationality and N8442H		
Nationalit	ty and Registration Mark	Date
INSTALLATION OF VORTEX GENERATORS ON THE WIN		
IN ACCORDANCE WITH DRAWING PACKAGE MA2188 R		
2009, AND INSTALLATION MANUAL MA 2189, REVISION	B, DATED OCTO	BER 26, 2009, PER
STC # SA01266SE.		
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS OF	MICPO VODTEY	GENERATORS
SEE MICRODYNAMICS DOCUMENT MA0666, REVISION		GENERATORS,
NEOLICILELE MEIGHT CHANGE	-	
NEGLIGILBLE WEIGHT CHANGE	Nationality and Registration Mark Date ORS ON THE WINGS AND VERTICAL TAIL SURFACES KAGE MA2188 REVISION A, DATED OCTOBER 26, 2189, REVISION B, DATED OCTOBER 26, 2009, PER ORTHINESS OF MICRO VORTEX GENERATORS, 0666, REVISION B.	
END		
,		
Additional Sheets Are Attac	hed	

(2)
U.S. Department

MAJOR REPAIR AND ALTERATION

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

U.S. Depa of Transp Federal A	ortation	1	(A		ime, Powerplant, Pro)		Fo	or FAA Use Only
Administ	ration											
instruct	ions :	ONS: Print and disposi iolation (49	tion of thi	is for	tries. See Title CFR 43.9 m. This report is required (a)).	Pa by	art 43 Apper law (49 U.S	idix B, and 5.C. 44701	AC 43.9). Failun	9-1 (or subs e to report (eque can re	nt revision thereof) for sult in a civil penalty for
1. Aircraft Nationality and Registration Mark N8442H							Serial N 32-810			 		
		Make PIPER						Model PA32-3	301			Series
2. O	wner		as shown o	•	stration certificate)			1	•	OINTE DR	on cert	ificate) State GA
								Zip	30506		ntry [
					3. Fo	r FA	AA Use Only	/		<u> </u>		
								<u> </u>		<u> </u>		
	4. T	ype			5. Uni	t Id	entification					
Rep	air	Alteration	Un	it	Make		·		Model			Serial No.
		X	AIRFRA	ME		····		(As described in item 1 above)				
			POWER	PLAN	π							
			PROPEI	LER						25		
			APPLIA	NCE	Type Manufacturer							
			J		0.00	-6-						
A. Aa	ency	's Name an	d Addres	s	6. CO	nto	rmity State B. Kind of				·····	
Name		YTONA AIRC			S	+	U.S. Certifica					Manufacturer
Address	56	1 PEARL HAR	RBOR DR			T	Foreign Certi	ficated Mech	anic		C. (Certificate No.
City	DA	YTONA BEA	СН		State FL	X	Certificated F	Repair Station	1		DY	R262K
Zip	32	114	Country	US	<u>SA</u>		Certificated N	faintenance	Organizati	on		
he	ereto	have been i	made in a	accor	eration made to the unit(s dance with the requirement are and correct to the bes	ents	of Part 43	of the/U.S.				
		e fuel per 3 App. B	Si	gnati	ure/Date of Authorized Inc	divid	dual				J	ULY 9, 2009
		 			7. Approv	al f	or Return 1	o Service				
					persons specified below al Aviation Administration	, the	e unit identif	ied in item		spected in		nanner prescribed by
BY		FAA Fit. Sta Inspector			Manufacturer	J. 10	Maintenar		zation	Per Der	son Ap partme	poved by Canadian nt of Transport
		FAA Desig	nee	х	Repair Station		Inspection	Authoriza	tion	Other (Specia	fy)
Certific	ate or	Designation N	lo.		Signature/Date of Author	orize	d Individua			<u> </u>		
DYTR2	262K					-/	w X1	-		JULY 9 2	009	

	N8442H			· .	JULY 9, 2009
	Nationality a	nd Registration Mark			Date
ALLED ROSEN SUNVISOR IN ACCO CH 3, 2005 AND STC SA00072SE. NO	RDANCE WIT CHANGE IN	TH FAA APPROVED RO NWEIGHT AND BALAN	SEN CE.	DRAWING LIST #	RPL-00DL, REV C DATED
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Holles States of America

Department of Transportation Bederal Aviation Administration

Supplemental Unne Certificate

Number SA00072SE

This certificate, issued to

Rosen Sunvisor Systems, LLC 86365 College View Road Eugene, OR 97405

certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airvoorthiness requirements of Fart * of the * Regulations.

Original Product-Type Certificate Number:

*See attached FAA Approved Model List (AML)

No. SA00072SE for a list of approved aircraft

models and applicable airworthiness regulations.

Description of the Type Design Change: Cockpit sunvisor installation in accordance with FAA approved Rosen Drawing List Number RPF-00DL, Revision C, dated March 3, 2005, or later FAA approved revision.

Limitations and Conditions. The approval of this change in type design applies to only those Piper Models listed on FAA AML No. SA00072SE with the following exception. This STC is not valid for Piper PA-28-161 serial number (S/N) 2816110 through 2816119 and after S/N 2842000. This STC is not valid for Piper PA-28-181 S/N 2890206 through 2890231 and after S/N 2843000. This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated unless it is determined that the interrelationships between this change and any other previously approved modifications will introduce no adverse effect upon the airworthiness of that aircraft. A copy of this certificate, AML SA00072SE, and FAA approved Rosen Drawing List Number RPFD-00DL, Revision C, or later FAA approved revision, shall be maintained as part of the permanent records of the modified aircraft.

If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

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

Date of application: February 1, 1994

Date reissued:

March 24, 2003

Date of issuance:

April 8, 1994

Date amended:

June 2, 2005

By direction of the Administrator

Acting Manager, Seattle Aircraft Certification Office

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

FAA APPROVED MODEL LIST (AML) SA00072SE **FOR**

INSTALLATION OF ROSEN SUNVISOR SYSTEMS COCKPIT SUN VISOR ISSUE DATE: April 4, 1994

ITEM A	AIRPLANE	AIRPLANE MODEL	TYPE CERTIFIC BASIS		FAA APPRO	AML	
	MARE	MAKE MODEL	NUMBER	ALTERATION	NUMBER	REVISION NO. AND DATE	DATE
1.	Piper	PA-44-180, PA-44-180T	A19SO	FAR 23	RPF-00DL, Revision C	3/3/05	4/14/05
2.	Piper	PA-28-140, PA-28-150, PA-28-151, PA-28-160, PA-28-161, PA-28-180, PA-28-235, PA-28S-160, PA-28S-180, PA-28R-180, PA-28R-201, PA-28R-201T, PA-28RT-201T, PA-28RT-201T,	2A13	CAR 3	RPF-00DL, Revision C	3/3/05	4/14/05
3.	Piper	PA-28-201T, PA-28-236 PA-32-260, PA-32-300, PA-32S-300, PA-32R-300, PA-32RT-300T, PA-32R-301T, PA-32R-301T, PA-32-301T	A3SO	CAR 3	RPF-00DL, Revision C	3/3/05	4/14/05
4.	Piper	PA-34-200, PA-34-200T, PA-34-220T	A7SO	FAR 23	RPF-00DL, Revision C	3/3/05	4/14/05

FAA APPROVED:

Acting Manager, Seattle Aircraft Certification Office

REISSUED: <u>April 14, 2005; June 2, 2005</u> AMENDED: <u>April 14, 2005</u>

U.S. Department Of Transportation Federal Aviation

MAJOR REPAIR AND ALTERATION

(Airframe, Powerplant, Propeller, or Appliance)

Form Approved OMB NO.2120-0020

For FAA Use Only

Office Identification

Aviation												
INSTRUCTIONS: form. This report is 901 Federal Aviati	Print or type all entries. S s required by law (49 U.S on Act 1958)	See FAR 43 A 3.C. 1421). Fa	ppendix B, a ilure to repor	ind rt c	AC 43.9-1 (or subs an result in a civil p	sequent revision enalty not to e	n therexceed	eof) for inst \$1,000 for	tructions and dis each such viola	position of this tion (Section		
1. Aircraft	Make PIPER					Model	Model PA-32-301					
	Serial No. 32-810609	 98				Nationalit	y and l	Registration	n Mark			
2. Owner	Name (As shown on re Thomas F Hardman Ll		tificate)					•	istration certifica	te)		
						2933 Pior Gainsville		gia 30506-	1765			
			3. F	For	FAA Use Only					-		
		4. Unit	dentification			T			5. T			
Unit	Make			M	lodel	Sei	ial No.		Repair	Alteration		
AIRFRAME	~~~~~~~	item 1 above)~~~	~~~~~~~	~~~~	~		X					
POWERPLANT												
PROPELLER												
ADDITANCE	Туре											
APPLIANCE	Manufacturer											
			6. Co	nfo	ormity Statement							
A. Agency's Name	and Address			E	3. Kind of Agency			C. Certifi	cate No.			
D & D AVIONICS				H	U.S. Certificate		io	DXDR59				
MACON, GA. 312	SMART AIRPORT RD. 17			H	Foreign Certificated Mecha Certificated Repair Station		ic	Limited A				
			·		Manufacturer		Limited Instrument					
have been ma	he repair and/or alteratio ade in accordance with t ein is true and correct to	the requireme	nts of Part 43	3 of						reto		
Date			Signa	atur	e of Authorized Ind	ividual						
April 1, 2008			Danie									
5					for Return to Serv							
	to the authority given per ator of the Federal Aviati	•		un	it identified in item (_	e manner (ECTED	prescribed by the	•		
l lnen	Fit. Standards N	Manufacturer			Inspection Autho	rization	Othe	r (Specify)				
		Repair Station			Person Approved b Canada Airworthim	y Transport ess Group						
Date of Approval of April 1, 2008	r Rejection Ce	ertificate or De	signation No	٥.	Signature of Auth	orized Individ	ual 					
, ipiii 1, 2000	D	XDR595X										

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

Description of Work Accomplished

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

Piper PA-32-301 S/N 32-8106098

Registration N8442H Date: April 1, 2008

Page 1 of 1

Validate that the previous installation of the GNS-430 was installed IAW Garmin instructions and approved via an FAA stamped field approval document on FAA Form 337 dated June 9, 2006. Verified this aircraft and all interfaced equipment are covered under STC AML. The unit was removed and upgarded to GNS-430W unit. The existing location of this unit was determined to meet the field of view requirements without the need of external annunciation. The existing wiring and shielding was inspected and determined to be IAW the STC AML installation data. The existing GA-56 GPS antenna was removed and replaced with a GA-35 GPS/WASS antenna using the approved mounting provisions of the previous installation.

A summary of the modification done to the aircraft is as follows.

- Removed the GA-56 GPS antenna P/N 010-00134-00 and installed a new GA-35 GPS/WASS antenna P/N 013-00235-00 S/N 33770 using the provisions left behind from the standard antenna IAW Garmin upgrade manual P/N 190-00357-06 Rev C and STC number SA01933LA.
- Removed Garmin GNS-430 P/N 011-00280-10 and installed Garmin GNS-430W P/N 010-01060-40 S/N 97118969, 2. using the provision left behind from the standard GNS-430 unit. Installation done IAW Garmin upgrade manual P/N 190-00357-06 Rev C and STC number SA01933LA.
- 3. The GNS-430W was configured identical to the original GNS-430 unit. Each interfaced was checked out IAW Garmin GNS400W Series Instalation Manual P/N 190-00356-02 section 5. A copy of of the checkout log was completed and included with the aircraft maintenance records.

Inst

4.	Removed the aircraft Flight Manual supplement for the GNS-430 and installed a GNS-430 AFMS P/N 190-00356-03, FAA approved date 11/20/207 into the aircarft flight manual.								
5.	Updated the aircraft equipment list and Weight and Balance to reflect the new GNS-430W WASS Unit. The current Electrical Load Analysis remains valid since the new unit draws the same or less current than the original unit.								
 FAA approved date 11/20/207 into the aircarft flight manual. Updated the aircraft equipment list and Weight and Balance to reflect the new GNS-430W WASS Unit. The current 									
1.	·								

Additional Sheets Are Attached

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

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for each such violation (Section 901 Fed	loral Aviation Act of 1958).				
tor each such vibilition (Section 30) For	GIST MARCHOLLY (OF O. 1922).		*		

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ROPELLER	Mc CAUL	EY	B3D	366433	-c	HW 552, N	1 20		X
APPLIANCE	Type Manufacturer					1			
				Conformity Sta	tement	1		J	
A	Name and Address			B. Kind of Agend			C. Certi	icate No.	
		A 1		U.S. Certifica	ated Mechan	ic	AP	78603	5
JOHA	J HICKMA	رس مرورفورل	,.	Foreign Certi	ficated Meci	nanic			
	irpopt ri			Certificated	Repair Statio	<u> </u>			
New	WAN GA 30	263		Manufacture		t It - courses or ottool	mente her	eto have been	made in
D. I certify	that the repair and/or alter	ration made to the ur	nit(s) identifi Jeral Aviatio	ied in item 4 above on Requiations and the	and describe at the inform	ation furnished herin is tru	e and corr	ect to the best	of my knowled
Date Date	itti tita requientation or r			Signature of Au	thofized in	djy/fdual			
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			7. App	roval for Retur	n To Serv	ice		<u> </u>	
Pursuant to	o the authority given p	ersons specified tion Administration	below, th on and is	e unit identified in APPROV	item 4 war	•		cribed by the)
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BY F	AA Designee	Repair Station		Person Approv Canada Airwor	thinèss Gr	quo			
1	roval or Rejection	Certificate or Designation N		Signature of A	uthorized l	ndividual			
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FAA Form 337 (12-88)

AFS Electronic Forms System

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.

Ser NO. A DOZOG AS INSTALLATION MAN FOR Dry VACUUM P PUMPMENT be MA INSTALLED AIRWOOD INSTRUCTIONS AFC STC# SA 3839 V TAWN M.P.S. INSTALLED MC IAWN M.P.S. INSTALLED STC# SA 433CH	M.P.S. INSTAllation Particultions TR863, FEB 24, 1997 EA 433CH WY AND BALANCE CALCULATED			
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☐ Additional Sheets Are Attached

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MÁJÖR REPAIR AND ALTERATION (Airframe, Powerblant, Propeller, of Appliance)

Form /			
OMB	No.	2120-	0020

For FAA Use Only

Office Identification

ATL-FSDO-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 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). 1. Aircraft Nationality and Registration Mark 1007 N 8442 HUS Address (As shown on registration certificate) Name (As shown on registration certificate) 2933 POINTE DR THOMAS F HARDMAN LLC 2. Owner GAINSUILLE GA 30506-1765 3. For FAA Use Only 5. Type 4. Unit Identification Alteration Repair Serial No. Make Model Unit (Às described in Îtem 1 above) AIRFRAME POWERPLANT PROPELLER Type APPLIANCE: Manufacturer 6. Conformity Statement B. Kind of Agency C. Certificate No. A. Agency's Name and Address U.S. Certificated Mechanic JOHN HICKMAN AP 1786035 IA Foreign Certificated Mechanic SKYS AIRCRAF Certificated Répâir Station NEWNAN GA 30263 Manufacturer D. Toettily that the repair and/or alteration made to the unit(s) identified in them 4 above and described on the reverse of attachments hereto have been made in decirdance with the requirements of Part 43 of the content and the property and that the Information furnished here is true and correct to the best of my knowledge Signature of Authorized Individue 1-16-04 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 Other (Specify) FAA Fit. Standards Manufacturer Inspection Authorization Inspector ΒY Person Approved by Transport Canada Airworthiness Group Repair Station FAA Designee Date of Approval or Rejection Signature of Authorized Individual Certificate or Designation No. 1-16-04

FAA Form 337 (12-88

1786035 IA

JAN 26 2004

GEORGIA FSDO ATLANTA

Weight and balance of 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. DaacHotlon of Work Accomplished.

(If More space is required, attach additional sheets, identify with alreigh hattonality and registration mark and date work completed.)

TustallED AMERI-King AK-45 ELT per AC 43.13-18/2A (2A-climpter 2-page 12-page 28) and INSTAIL ACTION INSTRUCTIONS PER TSO- C910, RTCA DO-1183 and DO-1604 Requirements. NO change in weight and BARMER

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Additional Sheets Are Attached

AFS Electronic Forms System

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 SO-09/

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 suc	h violation (Sectio	n 901 Federal Aviat	ion Act	t of 195	58).						
1. Aircraft		PER				Model	PA-32-3	01			
i. Aircrait	Serial No. 32-8106098					Nationality and Registration Mark N8442H					
	Name (As shown	on registration ce	rtificate	9)		Address	(As shown on reg	istration c	ertificate)		
2. Owner	F H AVIO	F H AVION INC 'The data identified herein complies					2120 16TH	SOUT	H STE 3	300	
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requirements and is approfested by a person authorized in FAR 43, section 42 "											
	ŧ	e conformity in	spectio	on by	a person	authoriz	ed in FAR 43.	COTTOR	W/		
•				FEB	0 4 1997		ARLEY B PIC	KETT			
Date Signature of FAA inspector											
				4. Ur	nit Identificati	on			5. Type		
Unit	M	ake			Model		Serial No) .	Repair	Alteration	
AIRFRAME	AME(As described in Item 1 above)							xxx			
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APPLIANCE	Type Manufacturer										
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]	BIRMINGHAN	4, AL 3521	7	Certificated Repair Station Manufacturer							
have beer	n made in accorda	or alteration made to nce with the requir correct to the best	ements	of Par	t 43 of the U.S	m 4 above S. Federal	and described on t I Aviation Regulati	he reverse ons and th	or attachme at the inform	nts hereto nation	
Date	02-03-97			Signa	ature of Autho	orized Ind	ividual	RICHA	RD W. C	ARLEY	
			7. Ap	proval	for Return To	Service		<u> </u>			
Pursuant to Administrato	the authority give	n persons specifie	d belov	w, the	unit identified	in item	4 was inspected in	n the man	ner prescrib	ed by the	
Insp	Fit. Standards ector	Manufacturer			ction Authoriza		Other (Specify)				
	Designee	Repair Station			n Approved by la Airworthine		t				
Date of Approve	al or Rejection 4-97	Certificate or Designation No.	<u> </u>	Signa	ture of Autho	,,,,		W. C	eact		

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 THE FOLLING EQUIPMENT: APOLLO 618

INSTALLED THE FOLLING EQUIPMENT:

BENDIX KING KLN 89B GPS NAV MD-41 SWITCHING UNIT BENDIX KING KA92 GPS ANTENNA

THE APPOLLO SYSTEM WAS REMOVED TO INSTALL A BENDIX KING KLN 89B. EXISTING CIRCUIT BREAKER WAS USED FOR THE KLN89B BUT A GPS ANTENNA WAS INSTALLED TO COMPLETE THE SYSTEM INSTALLATION. ALSO ADDITIONAL MD-41 WERE ADDED FOR ADDITIONAL FEATURES.

THE KLN 89B WAS INSTALLED AS AN IFR APPROVED ENROUTE, TERMINAL, AND APPROACH NAVIGATION SYSTEM IN THE CENTER CONSOLE RACK. TEST FLIGHT ACCOMPLISHED AND CERTIFIED BY JOHN O. HOLLAND.

ALL WIRING USED IS MIL SPEC TEFZEL COATED. ALL EQUIPMENT IS INSTALLED IN ACCORDANCE WITH BENDIX KING KLN89B INSTALL MANUAL 006-10522-0001 REV 1, JUNE 1995; THE SYSTEM WAS FUNCTIONALLY TESTED FOR OPERATION, INTEGRATION AND INTERFERENCE WITH EXISTING EQUIPMENT AND FOUND SATISFACTORY. FLIGHT MANUAL SUPPLEMENT IS FAA APPROVED AND A COPY PROVIDED TO THE AIRCRAFT OWNER/OPERATOR. LOG BOOK ENTRY WAS MADE. WEIGHT AND BALANCE RECOMPUTED AND EQUIPMENT LIST WAS REVISED TO REFLECT INSTALLATION. AC20-138 WAS USED FOR APPROVED DATA.



													
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Federal Aviation Administration	\$0-09		**							,	30-	09/HF	<u>P</u> _
INSTRUCTION And dispositi	on of this form.	. This	Il entries. See FAR report is required 901 Federal Aviat	by law	<i>ı</i> (49 l	u.s.c	. 1421). Fai	nd AC 43.9 ilure to rep	9-1 (or subsequ port can result i	ent revi n a civil	sion th	nereof) for in: ty not to exce	structions eed \$1,000
	Make						·	Model	77-22-20	1			
. Aircraft	PIPE	R				PA-32-301 Nationality and Registrati				ark			
-	Serial No. 32-8	10	6098					ічацопан	N8442H	itiOii IVlč	ai N		
	Name (As sho	own (on registration cer	tificate)			Address	'As shown on I	egistra	tion ce	ertificate)	
2. Owner	F H AVION INC							16TH S					
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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.)

******INSTALLATION OF GEM-610 GRAPHIC ENGINE MONITOR*********

THE FOLLOWING COMPONETS WERE INSTALLED: .

- 1. 6-EACH INSIGHT INSTRUMENT CYLINDER HEAD TEMERATURE PROBES P/N 2852
- 2. 6-EACH INSIGHT INSTRUMENT EXHAUST GAS TEMERATURE PROBES P/N 2870
- 3. 6-EACH INSIGHT INSTRUMENT CYLINDER HEAD TEMERATURE HARNESSES
- 4. 6-EACH INSIGHT INSTRUMENT EXHAUST GAS TEMERATURE HARNESSES
- 5. 1-EACH DISPLAY P/N 610-001 AND COMPUTER P/N UD200LX THE MODIFICATION TO THE AIRCRAFT WAS PERFORMED IN REFERENCE TO STC NUMBER SA157NE; ISSUED 06-04-83 AS AMENDED THROUGH 10-11-89. MODEL 602 NOR MODEL 603 GRAPHIC ENGINE MONITOR WAS INSTALLED WHICH REPRESENTS A DEVIATION TO STC NUMBER SA157NE. SEE THE ATTACHED LETTER FROM THE NEW YORK AIRCRAFT CERTIFICATION OFFICE, THE TSO GAGE GEM-610. ALL COMPONETS WERE DATED 08-24-93 ACCEPTING INSTALLED, WIRED AND SECURED IN ACCORDANCE WITH INSTRUCTIONS PROVIDED WITHIN INSIGHT INSTRUMENT CORPORATION INSTALLATION MANUALS, DWG 8258, VERSION 2.1 AND DOCUMENT NO. 930320, REVISION 1.02. THE COMPONETS, AS INSTALLED, COMPLY WITH THE REQUIREMENTS OF FAR(s) 23.1121 (b) & (c), 23.1301, AND 23.1309 (a) & (b) (1) & (2). THE ALTERATION WAS PERFORMED IN ACCORDANCE WITH AC 43.13-1A; CHAPTER 11, PARAGRAPH 446 THROUGH 448, 450, 451, 464 THROUGH 466, 514 THROUGH 518 DAND AC 43:13-2A, CHAPTER 13. THE AIRCRAFT WEIGHT AND BALANCE, AND THE EQUIPMENT WITST WERE AMENDED -IN ACCORDANCE WITH AC 43.13-1A, CHAPTER 13, PARAGRAPHS 5 659 THROUGH 663. ALL INSPECTION RECORDS AND OTHER DOCUMENTS, PERTAINING TO THIS MAJOR ALTERATION ARE ON FILE AT REPAIR STATION BUTR177K UNDER WORK ORDER 12245.

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US Depa of Transp	rimeni	n,
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A MARKET AND A

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

Form Approved OMB No. 2120-0020

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix:	
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).	

3. For FAA Use Only

!	· · · · · · · · · · · · · · · · · · ·	4. Unit Identification	· · · · · · · · · · · · · · · · · · ·	5. Type: 🌬	<i>.</i>
Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME		(As described in Item 1 above)			xxx
POWERPLANT					
PROPELI.ER					
APPLIANCE	Type Manufacturer				

6. Conformity Statement

A. Agency's Name and Address
B. Kind of Agency
C. Certificate No.
U.S. Certificated Mechanic
Foreign Certificated Mechanic
4243 EAST LAKE BLVD.
BIRMINGHAM, AL 35217

Manufacturer

6. Conformity Statement
Foreign Certificated Mechanic
XX Certificated Repair Station
Manufacturer

6. Conformity Statement
Foreign Certificated Mechanic
AX Certificated Repair Station
BDTR177K

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 02/14/95 Signature of Authorized Industrial

7. Approval for Return To Service

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

REJECTED

FAA Fit. Standards | Manufacturer | Inspection Authorization | Other (Specify) |
FAA Designee | XX Repair Station | Person Approved by Transport Canada Airworthiness Group |
Date of Approval or Rejection | Certificate or Designation No. | BDTR177K | RICHARD W. CARLEY |

FAA Form 337 (12-88)

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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.

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

INSTALLATION OF PRECISE LANDING/TAXI RECOG LITES KIT, RMD AIRCRAFT LIGHTING WING TIPS KIT AND LAMINAR FLOW SYSTEMS SPEED ENHANCEMENT KIT

- 1.INSTALLED PRECISE PULSELITE MODEL 1210/2405A AS PER STC SA4005NM, DATED 08-19-88
- 2.INSTALLED R.D.M. AIRCRAFT LIGHTING, INC LANDING/ RECOGNITION LIGHTS KIT AS PER STC SA2356NM, DATED 03-06-84
- 3.INSTALLED LAMINER FLOW SYSTEM, INC SPEED ENHANCEMENT KIT AS PER STC SA1486SO, DATED 07-29-83 TO THE FLAP SYSTEM

☐ Additional Sheets Are Attached

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Form Approved Budget Bureau No. 04-R060.1 U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION FOR FAA USE ONLY MAJOR REPAIR AND ALTERATION OFFICE IDENTIFICATION (Airframe, Powerplant, Propeller, or Appliance) SO FSDO 09 INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. MODEL PA32-301 MAKE Piper 1. AIRCRAFT SERIAL NO. NATIONALITY AND REGISTRATION MARK 32-8106098 N8442H ADDRESS (As shown on registration certificate) 307 Forrest Lane NAME (As shown on registration certificate) 2. OWNER Harvey C. Slocum, Jr. Jasper, AL 35501 4. UNIT IDENTIFICATION 5. TYPE UNIT ALTER-REPAIR ATION AIRFRAME e (As described in item 1 above) ecococci XXXPOWERPLANT PROPELLER APPLIANCE MANUFACTURER CONFORMITY STATEMENT A. AGENCY'S NAME AND ADDRESS B. KIND OF AGENCY C. CERTIFICATE NO. U.S. CERTIFICATED MECHANIC Hangar One, Inc. P.O. Box 320159 POREIGN CERTIFICATED MECHANIC CERTIFICATED REPAIR STATION RS702-4 Birmingham, AL 35232 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 AUTHORIZED INDIVIDUAL 7. APPROVAL FOR NETURN TO SERVICE Pursuant to the authority given persons specified below, the pair identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is: APPROVED REJECTED PAA FLT. STANDARDS MANUFACTURER INSPECTION AUTHORIZATION BY CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT FAA DESIGNEE REPAIR STATION DATE OF APPROVAL OR REJECTION CERTIFICATE OR DESIGNATION NO. AUTHORIZED INDIVIDUAL RS702-4 FAA Form 337 (7-67) (8320)

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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 airwerthiness 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 #1 NAV/GS Receiver KN53; and K1204 Indicator and Directional Gyro 52D254.

Installed King-KCS55A, II Morrow 618TCA Loran C and 3M Stormscope WX10A Weather Maping System as follows: King KCS55A Compass/HSI System was installed in accordance with King Install Manual 006-0111-05 and Recomendations of AC43.13-2A, Chapters 1, 2 & 3. Compass system was calibrated to meet the accuracy required by the manufacturer. King KNS80 RNAV/DME system was installed in accordance with King Install Manual 006-0154-00 and Recomendations of AC43 13-2A, Chapters 1, 2 s 3. A placard stating "RNAV To Be Used For VFR Only" was installed and is to stay in place until IFR approval is obtained for the system. The VOR/DME mode of this system meet all requirements for IFR at this time. II Morrow 618TCA Loran C was installed in accordance with II Morrow Install Manual 560-0023A Rev. 04 and Recomendations of AC43.13-2A, Chapters 1, 2 g 3. The Loran C installation is a stand alone system and is placarded "Loran System To Be Used For VFR Only." 3M Stormscope WX10A Weather Maping System was installed in accordance with 3M Stormscope Manual 78-8041-7921-2 and Recomendations of AC43.13-2A, Chapters I, 2 & 3. All equipment function checked and flight check, ok. Weight and Balance Data and Equipment List were revised The transfer of the - BND

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DADDITIONAL SHEETS ARE ATTACHED

C FAA AC 72-4906

QU.S. GOVERNMENT PRINTING OF FICE: 1986-659-121/40260

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D. I cert	ify that the repair an ments hereto have be ust the information for	en made in accordance in the second in the s	dance with true and	the requirer	ents of Part	is of the U.S. nowledge.	Federal Avis	tion Reg	ulations
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