N47815 #3



FAA Form 8130-3

# Airworthiness Approval Tag

User/Installed Responsibilities

It is important to understand that the existence of this document akine does not automatically constitute authority to install the part/component/assembly.

Where the user/installer work in accordance with the national regulations of an Airworthiness Authority is different than the Airworthiness Authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her Airworthiness Authority accepts parts/components/assemblies from the Airworthiness Authority of the country specified in Block 1.

Statements in Block 14 and Block 19 do not constitute installation certification, in all cases aircraft maintenance records must contain an installation Certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

The FAA Form 8130-3 and JAA Form One are equivalent.

Other countries such as Canada, also have equivalent acceptable documents.



YEAR:	RECORDING TACH TIME	TODAY8 FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. ( <i>See</i> back pages for other specific entries.)
DATE				

## PRIESTER AVIATION SERVICES, INC

PAL-WAUKEE AIRPORT, WHEELING IL

N47815, 5/15/2001, 4896.54 LT TACH, 4911.83 RT TACH, W/O 49154

#### AIRFRAME LOG ENTRY

Complied with AD 2001-08-01 on JanAero fuel pressure regulator / shutoff valves IAW JanAero S/B A-107 and by visual inspection. Removed heater fuel pressure regulator / shutoff valve Jan Aero P/N 23D04-7.5 Piper P/N 492-228, MFR date 4/76 and installed mew pressure regulator / shutoff valve P/N 492-228, MFR date 5/01. Function and leak checked ok.

The aircraft ulriframe, engine, propeller, appliance or component identified above was repaired and inspected in accordance with current manufacturer's instructions and in accordance with Aviation Regulation Part 43 and is approved for return to service as per these requirements. With respect to work performed pertinent details of the repair are on file at this repair station under Work Order, No. 49154 Data 5/15/2001

Signed
PRIESTER AVIATION WHEELING, IL 60090 REPAIR STATION # PRIR 248H

YEAR:	RECORDING TACH TIME	TODAY8 FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				

#### AIRFRAME LOGBOOK ENTRY

Model: PA34 200T S/N: 34 7870004 Reg #: N47815 ATT: 4913.0 Hobbs: 2501.9

Removed #2 CDI model GI 106A p/n 013-00049-11 s/n B21227 and installed warranty exchange, new condition GI 106A p/n 013-00049-11 s/n M20231. Function test of repaired system: nominal. END

The Assume a component—system identified above system repaired and impressed in accordance with current manufactures a matrix tions. FAR 43,AC4 C3.5 IB and 2A and is approved for ceture to active a salper stems requirements. With respect to work performed, more pertinent idetails of this repair are no file at this FAA Repair Station under WORK ORDER 49354.

PRIESTER AVIATION

Palwaukan Municipal Airport Whaning, Illinoin, USA FAA Hapan Station PRIRZANIC

Signed Jack R. Stoyed

Date:

June 21, 2001

YEAR:	RECORDING
	TACH TIME
	i iaic

DATE

**TODAYS** TOTAL **FLIGHT** TIME IN SERVICE

# Description of Inspections, Tests, Repairs and Alterations

Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

#### AIRFRAME LOGBOOK ENTRY

8/N:

MODEL: PA34 2001 34-7870004

**REG:** N47815

A.T.T.: N/A LDGS:

HOBBS: L ENG:

2,501.9 4,897.76

TACH: R ENG:

4,913.00

Removed: Edo Aire / Mitchell AltiMatic IIIC autopilot with electric trim.

Installed: S TEC System 60.2.2 axis Autopilot system.

See revised weight & balance, equipment list, FAA form 337, FAA approved S 1EC 60.2 Flight Manual

Supplement and S-1FC System 60 Autopilot POH for further information, FND

New Aircraft Empty Weight: 3174.00 New Aircraft Center of Gravity: 89.38 New Aircraft Useful Lond: 1395.00

New Aircraft Empty Moment: 283689.60

The Assurance tentralistics intentified above was a complianed and impressed by a continue with content maintain ment a mornic total. (Alc

transform thousand from as Company 1999. Accommission as after payon as assume as an incompany in this As to the ALLES ALLES ALLES female of this repair are an lite at the LAA Repair Station under WORK ORDER # 49180

Date:

June 26, 2001

PRIESTER AVIATION

Palwaukaa Municipal Airport Wheeling, Illinois, USA FAA Hepau Station (MIH248H

YEAR:	RECORDING	TODAYS	TOTAL	Description of inspections,	Tests, Repairs and Alterations
					man at the state of the state o

#### PRIESTER AVIATION SERVICES, INC

PAL-WAUKEE AIRPORT, WHEELING IL

N47815, 8/9/2001, 4910.46 ACTT, 766.37 LT FTTSFR, 874.81 RT ETTSOH, 1430.73 LT PTTSOH, 1445.73 RT PTTSOH, 713.9 HEATFR HOBB, 4910.46 LT TACH, 4925.58 RT TACH, W/O 49718

#### AIRFRAME LOG ENTRY

Complied with an Annual inspection of this Airframe in accordance with an approved form and the manufacturer's maintenance manual. Inspected electric door seal motor that was previously disabled and found still disabled. Performed landing gear functional check, no defects found at this time. C/W FAR 91.207(d) on the ELT by visual and functional check and found to be in airworthy condition at this time, next inspection due 8/2002. C/W one time AD 99-14-01 on operation in severe icing conditions by installation of a copy of the AD in both the limitations section and general section of the POH. Installed vacuum air filter's, next replacement due 5410.46 Actt. Removed right main tire S/N 61032127 and installed new 6.00x6 8 ply G.Y.E.S. If tire S/N 2363003.1 Reused inner tube. Serviced and leak checked ok. Removed stabilator and balance tube assembly for inspection, cleaned, primed, and painted balance tube. Re-installed stabilator and rigged, function check ok. Entricated and installed fuel quantity plucards at filter caps. Installed new gasket on left fuel tank inboard sender unit, leak checked ok. Fabricated and installed new stop plute for alternate air door on left engine, function check ok. Removed and inspected nose gear steering roller guide and hardware, no defects found, re-installed and torneed.

to descens sound, se-distinct and torqued
[NI]
f certify that this (GIRCRAFT DENGINE / PROPELLER ) has been inspected in accordance with a
inspection and was determined to be in airworthy condition with respect to the work netformed. Pertinent details of this inspection
are on file at this prefity under work order No. 19718
PRIESTER AVIATION, WHELLING, IL 60090 REPAIR STATION # PRIR 248H
THE STOR A VIATIONS, WHITE I INC., II. GODDAL REPAIR SIGNS IN II. PRIR 2481

YEAR:	RECORDING TACH TIME	FLIGHT	TOTAL TIME IN SERVICE	Entries must b	e endors	ed with Name	, Rating an	d Certifica	d Alteration ate Number of pecific entries.)
DATE			AII	RFRAME LOGBO	OOK ENT	RY			
THE REAL PROPERTY.	al month property to a competition of	Martin College Act 1997, 1980(128) (Angle Mari	: N4/815	A.1.7.:	N/A	HOBBS:	2519.5	TACH:	N/A

Removed remote loaner D.G. model KG 102A p/n 060 0015 00 s/n 11825 U22227 and installed original, repaired serviceable condition KG 102A p/n 060 0015-00 s/n U22227. Function test of repaired system: nominal. END

The Asimos component: system electron store was expand and major tall in accordance with current manufacturals instructions.

FAR41AC4C1 FR and 2A and is approved by coming to some as per these requirements. With respect to work performed in inpercoonly details of this region are no the at the FAA began Station under WOHK OHDER # 50047.

Staned: Jal 2. Skorgel

Date: September 20, 2001

PRIESTER AVIATION
Palwanken Mannepal Aupart
Whiteling Blacok (1954
FAA Repair Station PRIB24BH

3. System Tracking Ref No. 2. **FAA FORM 8130-3** AIRWORTHINESS APPROVAL TAG UNITED STATES U.S. Department of Transportation BLGVA001 Federal Aviation Administration 4. Organization 5. Work Order, Contract or Invoice BLGVA Duncan Aviation/Lincoln Airport/Lincoln, NE 68524 10. Qty 8 Part Number 9. Eligibility\* 11. Serial Batch 6. Item 7. Description 12. Status Work DIRECTIONAL 060-0015-00 TBV by 001 U22227 Repaired 001 installer GYRO 13. Remarks PRIESTER AVIATION SERVICE S/N U22227 P/N 060-0015-00 M/N KG-102A MK KING Discrepancy: Will not pull flag and can't manually slave. Preliminary findings: Function tested and duplicated the discrepancy. Troubleshot and found defective components. Corrective action: Replaced defective components. Cleaned, aligned, calibrated and repaired to specifications. Unit functional tested per manufacturer's maintenance manual. TECHNICIAN: MICHAEL T. GOLDSMITH This document constitutes a signed copy of the work order. Life Limited parts must be accompanied by maintenance history including total time total cycles time since new. 19. Return to Service in Accordance with FAR 43.9 14. New Newly Overhauled Certifies that the new or newly overhauled part(s) identified above. Certifies that the work specified in block 13 (or attached) above was except as otherwise specified in block 13 was (were) manufactured in accordance with FAA approved design data and airworthiness. carried out in accordance with FAA airworthiness regulations and in respect to the work performed, the part(s) are approved for return to service. NOTE: In case of parts to be exported, the special requirements of the importing country have been met. signature 16. FAA Authorization No. 21. Certificate Number 15. Signature Kuthori JGVR194F 22. Name (Typed or Printed) 17. Name (Typed or Printed) 18. Date 23. Date 9/11/01 Jerry Bremer Airworthiness Approval Tag User/Installer Responsibilities It is important to understand that the existence of this document alone does not automatically constitute authority to assault the part component assembly Where the user installer work in accordance with the nanonal regulations of an Airworthiness Authority different than the Airworthiness Authority of the country specified in block 1, it is essential that the user installer ensures that his her Airworthiness Authority accepts parts components assemblies from the Airworthiness Authority of the country specified in block 1. Statements on block 14 and 19 do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user installer before the aircraft may be forwin.

The FAA Form 8130-3 and JAA Form One are equivalent. Other countries such as Canada also have equivalent acceptable documents.

FAA Form 8130-3 (11/93)

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				

#### AIRFRAME LOGBOOK ENTRY

4927.8 2579.5 TACH: HOBBS: PA 34 2001 REG: N4/815 A.T.T.: MODEL: R-ENG: N/A N/A L'ENG: 34 7870004 LDGS: N/A S/N:

Repaired ground wiring for instrument panel lights. Removed remote D.G. model KG 102A p/n 060 0015 00 s/n U22227 and installed serviceable condition loaner KG 102A p/n 060 0015 00 s/n 11825. Function test of repaired system: nominal. END

The Colonia Component Avalum elements there was repaired and major tell in a confiance with corner manufacture is not not not to the Colonia C

Date: August 31, 2001

PRIESTER AVIATION

Palwankaa Municipal Airport Wheeling, Illinois, 1854 LAA Repsic Station (1882/1881)

	TIME		SERVICE	Technician	st be endorse or Repair Fa	cility. (See	back pages	for other	specific en	tries
			AIR	FRAME LOGB	OOK ENTRY					-
MODEL: S/N:	PA34-200T 34-7870004		REG: N47815	A.T.T.; LDGS:	N/A N/A	HOBBS:	2541.5 4933.35	TACH:	N/A 4948.26	<b>~</b>
Removec	I: 3M WX-100	00 Storms	scope Systen	consistina :	ot:					
NX-100	O Processor p	/n 78-806	60-5723-4 s/r	i UWP1290.	2556;					,
VX-100	9 Stormscop <b>e</b>	Display p	/n 78-8051	9170-3 s/n (	UWD129029	56:				
VX 100	9 Stormscop <del>e</del>	Antenna	p/n=78-805 <b>1</b>	-9200 8 s/n	UWA12902	556				•
/X 500  Y 163   pe FAA	New condity Processor p/n Stormscope A approved for 417/02 for fur	: <b>8</b> 05-115 n <b>te</b> nna p/ n 337, G	:00 001 s/n 8 n 805-1 <b>0930</b> ooduch WX 5	80880; ) 001 s/n 80	0799.		ht & baland	se / equip	ment list	

# SIGNATURE FLIGHT SUPPORT PAL-WAUKEE AIRPORT, WHEELING IL

N47815, 7/19/2002, 4958.34 LT TACH, 4972.96 RT TACH, 2570.7 HOBB, W/O 60251 AIRFRAME LOG ENTRY

Installed new Pilot's side window P/N 69712-04.

The aircraft aircraft, engine, propeller, appliance or component identified above was repaired and inspected in accordance with current manufacturer's instructions and in accordance with Aviation Regulation Part 43 and is approved for return to service as per these requirements with respect to work performed. Pertinent details of the repair are on file at this repair station under work Order No. 60251. Date 711/2002

Signed SIGNATURE FLIGHT STEPFORT, WHEELING, IL 600% REPAIR STATION # UD2D209L

sufacturer Piper	870004	Model PA34-	200T
ial 34'-7	870004	Registration Number	N 7 1815
of Manufacture			
ine(s) currently instal	lled:		
nufacturer	Model	Ser	iai
nufacturer	Model	Ser	iai
oller(s) currently ins	talled:		
nufacturer		Model	
B Model	Serial	Sei	ial
ie Model	Sorial	Serial	Serial
de Model	Serial	Serial	Serial

YEAR: RECORDING TODAYS TOTAL Description of Inspections, Tests, Repairs and Alterations

# SIGNATURE FLIGHT SUPPORT PAL-WAUKEE AIRPORT, WHEELING IL

N47815, 9/3/2002, 4964.92 ACTT, 820.83 LT ETTSFR, 4979.50 RT ETTSN, 1485.19 LT PTTSOH, LT PTTSN UNKNOWN, 1499.65 RT PTTSOH, 4979.50 RT PTTSN, 729.7 HEATER HOBB, WO-02-0020

#### AIRFRAME LOG ENTRY

Performed an ANNUAL inspection of this AIRFRAME. C/W FAR 91.207(d) ELT inspection and found airworthy at this time. Next inspection due 9/2003. Installed new deice lead P/N 4E1967-1 on right propeller; function checked ok. Relocated deice lead on left propeller to prevent protruding from the spinner. Removed corrosion from both engine mounts and spot painted. Removed glue and reattached forward baggage door seal with adhesive. Complied with recurring AD 96-20-07 on Janaero heaters by performing decay text and found to be serviceable at this time; next inspection due at 829.7 Heater Hobb or 9/2004. Note: Pressure switch was replaced with new style 6/99 and no longer applies. Replaced burn't out intrument lamps as required. Installed new bulb in left aff reading lamp. Installed 2 new instrument inline pressure filters P/N 134-6. Stop drilled cracks and installed large area washer on both left and right engine right rear engine baffles. Retorqued left engine vacuum pump exhaust fitting. Re-installed right wing to fuselage fairing seal. C/W recurring Piper S/B 856 on stabilator attach fittings and found serviceable at this time, next inspection due 9/2003. Charged main battery. Reattached vertical seat adjustment lever on right front seat; function checked ok. Retorqued vertical seat adjustment lever on inboard side of both main gear doors and painted.

Lecrtify that this AIRCRAPT / ENGINE / PROPELLER ) has been inspected in accordance with a ANNUAL inspection and was determined to be intalrworthy condition with respect to the work performed. Pertinent details of this inspection are on file at this agency under work order No WO-02-0020

Date 9/3/2002 Signed SIGNATURE FIGHT SUPPORT, WHEELING, IL 5000 REPAIR STATION # UD2D2091.

EAR:	RECORDING TAC <b>B</b> TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Entri	es must be	endorsed	ctions, Tes with Name, F lity. (See back	lating and	Certificate f	Number d
ATE				<u> </u>			,,,(000 000	pages to	Other apaci	iic entitle
				AIRF	RAME LOGE	OOK ENTR	ıy			
MOD S/N			REG: N	V47815	A.T.T.: LDGS:	N/A N/A	HOBBS:	2584.1 N/A	TACH: R-ENG:	N/A N/A
*4.74 . * 1 * 1 * 1	er ( ) v er ( ) e er er er e	and the second section of the second section of the second section sec	err verrende g	e transmission of the co		w. 1777 ika 10 14 1 14.				10/50
Rem cona	oved Ioaner F lition KG-102	doneywell A Directio	l KG-102A L onal Gyro P/	Direction N 060 (	nal Gyro P/ 0015-00 S.	N 060-00 /N U2222	15:00 S/N 1 27.	1825 and	installed ov	verhaule:
Func	tion check o	f repaired	system: No	minal.	END-					

The Avionics component(s) / system(s) identified above is / are: REPAIRED and INSPECTED / Installed and INSPECTED in accordance with current manufacturer's instructions; FAR 43; with reference to AC43.13.18 & 2A; and is approved for return to service as per those requirements. With respect to work performed, more portioned dipails of this repair are include at this FAA Repair Station under WORK ORDER #AV 07.0016

Date:

October 2, 2002

Signatura: A Control of Printed Name: Richard W

Richard Wengjen

SIGNATURE FLIGHT SUPPORT

Palwaukee Municipal Airport

Wheeling, Illinois, USA LAA Repair Station UD202091

#### 1. Approving National Aviation Authority/Country:

## **AUTHORIZED RELEASE CERTIFICATE**

GZKZA001

AA/	UNITED STATES	FAA Form 8130-3, AIRWORTH	INESS APPROVAL	ΓAG	GZKZ	AUUI
. Orgai	nization Name and Address:  Duncan Aviat	ion/Lincoln Airport/Lincoln, NE 6	8524	5. Wo Numb	ork Order Comman. Per: GZK	
. Item:			9 Eigibility *	10 Quantity:	11. Serul Baich No	imber 12 Status Work.
001	DIRECTIONAL GYRO	060-0015-00	N/A	001	C22227	Over- hauled
CU		E SERVICE CENTER LLC				
Fo ou no fl Hi	und flag timing t of view in ma isy on startup ag timing circu ghly recommend rrective Action eaned, aligned	ngs: Bench checked usericuit is out of all nufacturer's specific and rundown. Rotor with to be delayed. the unit being overhance coverhauled unit, and calibrated unit.	ignment causistions. Rote seing loose control loose contro	ing fla or is l ould be defecti	g to not loose and causing	pull is the
	CHNICIAN: STEVE	intenance manual spec ALDER constitutes a signed		work o	order.	
14 (	ertifies the items identified above	e were manufactured in conformity to:	19. X 14 CFR 43.9 Rd	earn to Service	te Other regi	ulation specified in Block
14. C	Approved design data	and are in a condition for safe operation.  data specified in Block 13.	Certifies that unless of	therwise spe ribed in Bloc f Federal Re	cified in Block k 13 was accongulations, part	13, the work identified uplished in accordance 43 and in respect to
15. A	authorized Signature:	16. ApprovalAuthorization No.:	20. Authorized Schanire	:	<b>A</b> .	Approval Certificate No. GVR194F
17. N	iame (Typed or Printed):	18. Date (m/d/y):		uaid MER	23.	Date (m.d.y); 10/01/02
		User/Insta	ıller Responsibilites			
Wher Block specif States	e the user/installer performs work 1, it is essential that the user/insta- ied in Block 1. ments in blocks 14 and 19 do not co	istence of this document alone does not automati in accordance with the national regulations of an Her ensures that his her airworthiness authority a oustitute installation certification. In all cases, ai finitalier before the aircraft may be flown.	airworthiness authority differ accepts parts components asse	rent than the ai mblies from th	rworthiness author e airworthiness aut	ity of the country specified hority of the country

### PALWAUKEE SERVICE CENTER, LLC

PAL-WAUKEE AIRPORT, WHEELING IL.

4983.68 LT TACH 4998.04 RT TACH WO-03-0397 AF LOG

N47815

2/20/03

TER FITTING A	MIDPAINTING	J AS REQUI	RED. OK		END	
IRCRAFT, AIRFRAME, ENGINE						
DRMED PERTINENT DESAILS O	CE WITH AVIATION REGULA IF THE REPAIR ARE ON LIVE	AT THIS REPAIR STATI	ON UNDER WORK O	IDEA NO. WO- C	PER THESE REQUIREM 3 - 0397 DA	ENTS WITH MESPECT TO I TE マクシレン3 JRSTATION # UPWR
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					4	
THE POLLOWS	GALTMETER SYSTE	M AND ALTITUDE I	REPORTING EQU	IPMENT TESTS		
AND INSPECTI	ons as required b	FAR DIATI WW F	AR 43,APPENDO	("E" HAVE BEEN	,	
PEROPED:						
PARA (A)	PARA	8)	PARA (C)			
ALT, PAY 59		7387/	TESTED TO	DUJUOU FT		
CAPA NET O	Carl Shift	DATE 7/29	103 CR8	16.785WL		
WANT ARE C	ENTER - 8401 MIC	ustrial highl	vay, • gary, i	NDIANA 46406	!	
Ama					1	
ATC TRANSPO	NOER TESTS AND IN	SPECTIONS AS RE	CLURED BY FAR	91 A12 IAW EAD A	1	
APPENUX T	HAVE BEE PERFORM	ED:				
DAI 67X	-327				•	
	16/	M83/	03441			
RIGHATI IDD	M. 151/1		1.		•	
DADY IET	SENTED THE	DATE//2 Y		BIESBL		
i descritable (	ENTER - BACT INC	XJSTRIAL HIGH	MAY . AADV'	INDIANA 40406	•	

N 47815 Model 5934P-156 Sph 7387/ Date 7/24/03

## **ALTIMETER CORRECTION CHART**

	,				
Altimeter Reads	L	R	Altimeter Reads	L	R
-1000	-990		12000	12020	
0	+5		14000	4039	
500	515		16000	16000	
1000	1000		18000	17990	
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2000	2060		22000	$\Lambda \angle$	
2500	$\boxtimes$		25000	V	
3000	3000		30000	Λ	
4000	4000		35000		
6000	6005		40000		
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YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				

## + GARY JET CENTER

5401 Industrial Hwy , Gary, IN 46406 (219) 944-1210 Fax (219) 944-8232

Date: 12/5/03

AFTT: 5022.84 Hobbs: 2641

N47815

Performed a 100 Hour/ANNUAL Inspection in accordance with Piper Seneca II Service Manual, Table III-I. Replaced ELT battery (due 6/05), repaired broken and missing fasteners on left engine cowl. Repaired tail cone faring. Repositioned parking brake inlet line to stop chaffing on aileron chain. Replaced damaged nose wheel half. Replaced bolt in stabilizer trim. C/W Ad 82-27-03. 1 certify that this aircraft has been inspected in accordance with an ANNUAL INSPECTION and was determined to be in an airworthy condition.

Claude C. Jones, Jr. 1A337360210

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alteration Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries)
		A		

## + GARY JET CENTER

5401 Industrial Hwy , Gury, IN 16406 (219) 944 (240 Eax (219) 944 82 (2

DATE 3-1-05

Hobbs: 2671.7

AFTT: 5051.31

N47815

Airframe Log

Performed an ANNUAL INSPECTION in accordance with Piper Seneca II Service Manual, Table III-l inspection report. Replaced left and right fuel quantity sender gaskets. Replaced aft cabin seat belt bracket. Reshimmed right main landing gear to remove fore and aft play. Replaced nose gear upper drag link bolt. Replaced ELT battery. Complied with the following AD: 2004-21-05 (pressure decay test/pressure switch-Janitrol heater). I certify that this aircraft has been inspected in accordance with an ANNUAL INSPECTION and was determined to be in an airworthy condition.

Claude C. Jones, Jr IA337360210

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alteration Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.
DATE				
				THE FOLLOWING ALTIMETER SYSTEM AND ALTITUDE REPORTING EQUIPMENT TESTS AND INSPECTIONS AS REQUIRED BY FAR 01.411 IAW FAR 43.4PPENDIX "E" HAVE BEEN PERFORMED: 40 8682
	ł			PARA (A) PARA (B) PARA (C)
	ł			ALT. PAN BAN TESTED TO ZUDOW FT
	Į	1		SIGNATURE MALLACTICAL DATE 8.9.05 CR8 YGJR STOL
				ATC TRANSPONDER TESTS AND INSPECTIONS AS REQUIRED BY FAR 91.413 WW FAR 45, APPENDIX "P", HAVE BEE PERFORMED:  PIN GTX 327 SIN \$3703491
				SIGNATURE March Each DATE 8 905 CABYESTOL
				GARY JET CENTER • 8401 INDUSTRIAL HIGHWAY, • GARY, INDIANA 48496
•				
	I			
	1			

N47815 Model 5934P-A56= 1 SM 73871 Date 8-9-05

## **ALTIMETER CORRECTION CHART**

Altimeter Reads	L	F	?	Altimeter Reads	]		I	?
-1000	-1000			12000	120	040		
0	0			14000	140	150		
500	500	$\perp$		16000	160	$\mathcal{K}O$		
1000	1000			18000	12	<i>0</i> 50	1	
1500	1510			20000	200	<b>360</b>		
2000	2010			22000				
2500	2500			25000				
3000	3000			30000				
4000	4010			35000				1
6000	6000			40000			1	
8000	8010			45000				•
10000	10030			50000		- 1		

YEAR:

RE GOFY JOE COSTESS

TA
TII 4401 Industrial Hwy., Gerv., IN 40406 (219) 944-1210 Fax (219) 944-3232

DATE DATE 1-8-06 Hobbs: 2691.8 N47815

Installed new landing light in right wing tip and installed new aircraft battery p/n G35. Performed ground run and functional check. Ops check normal.

# **FESSLER AVIATION**

Robert L. Ahlf A&P3741505IA

13342 80 Terrace, Live Oak, FL 32060 386-330-0291

June 1, 2006

Right Eng Tach: 5095.13 Left Engine Tach: 5081.47

Heater Hobbs: 761.0 Hobbs: 2705.8 Aircraft Total Time: 5081.47 Inspected Aircraft with reference to PA-34-200T inspection report Table III-I. Removed and replaced left wing fuel bladder, in accordance with Piper PA-34-200T maintenance manual, leak check okay at this time.

Shannon McQuiston, 2685221, A&P, IA Mannon 2. In Line.

#### AIRFRAME LOGBOOK ENTRY

The following altimeter and altitude rep equipment test and inspections required 91.411 l/a/w FAR 43, Appendix "E", hav performed:	by FAR The ATC I.	ransponder tests and inspect of w FAR 43, Appendix "F" he	eve been performed:
Paragraph (a) Static Pressure System:	Transponde	Certification Date: March	1 28, 2001
Certification Date: March 28, 2001		or and recognition of the second space of the second secon	and processing the contract of
Pilot (#1): ☑ Copilot(#2) ☐ Pilot Ait: ☑ Copilot Ait ☐	Standby:   #1 Model: G   #2 Model: N	and the same of th	0   S/N: 83703491   S/N: N/A
Paragraph (b) Altimeter:	F		
#1 ALTIMETER P/N: 5934P A56	8/N: 73871	Tested to: 20K Date:	
#1 ENCODER P/N: AR 850	\$/N: 29076	Tested to: 20K Date:	March 28, 2001
#2 ALTIMETER P/N: N/A	8/N: N/A	Tested to: N/A Date:	: N/A
#2 ENCODER P/N: N/A	S/N: N/A	Tested to: N/A Date:	: N/A
ate: March 28, 2001 Work	order#: 48811		n Integration Test:
igned: Jack R. 5 Ko	e, L	Palwank Wheeling	TER AVIATION on Musicipal Airport J. Illinoin, USA one Station PRH24181

June 1, 2006

Right Eng Tach: 5095.13 Left Engine Tach: 5081.47

Heater Hobbs: 761.0 Hobbs: 2705.8 Aircraft Total Time: 5081.47

Complied with A/D 2005-13-16:

Installed new nose landing gear: Trunnion bushings 4 each, upper and lower drag link bushings, steering arm center pivot flanged bushing, "bolt" at lower down lock link assembly, 2 each "bolts" at trunnion, 3 each "O rings" and wiper. Installed new bushings and bolts, washer, nuts and cotter pins at nose landing gear upper, center and lower torque links in reference to Piper Seneca II Service Manual Chapter 7-8

Replaced O ring in right brake master cylinder co-pilot position & bled brake system in reference to Piper Seneca II Service Manual Chapter 7-67 Replaced Seals at left and right inboard fuel quantity senders Replaced left and right main landing gear in reference to Piper Seneca II service manual chapter 7-21 & installed new forward and AFT trunnion bearings in reference to chapter 7-23, operational check good. Installed new left and right main landing gear tire and tubes in reference to Piper Seneca II service manual chapter 7-48

Errol J. Terrio, 1920444, A&P

Enoly Terri

# **FESSLER AVIATION**

13342 80 Terrace, Live Oak, FL 32060 386-330-0291

June 1, 2006

Right Eng Tach: 5095.13 Left Engine Tach: 5081.47

Heater Hobbs: 761.0 Hobbs: 2705.8 Aircraft Total Time: 5081.47 I certify that this airframe has been inspected in accordance with an annual recertification and was determined to be in airworthy condition at this time.

Shannon L. McQuiston, 2685221, IA, A&P Karmon & Maxwellan

## **FESSLER AVIATION**

13342 80 Terrace, Live Oak, FL 32363 386 330-0291

August 16, 2006 Left Engine Tach: 5094.69

Removed left engine vacuum pump and replaced with s/n 124056, Rapco tracking #124056. Opps check okay at this time.

Shannon L. McQuiston, 2685221, A&P, IA Shannan & My Lurytun

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				
		Instruction of the control of the co	pter 11, Section  MSVED  STALLE  CH TRIM  trical Wiring fal  uracturers insta- raft electrical ic  pped with a  ptional tested th  netic compass of  ght and Balance  Empty Weight  equipment and  the current Fec-  il of the repair v  123  ION AVIONICS,	wing equipment in existing outouts in accordance with FAR AC 43.13-1A  2, and manufacturers installation manual.  PMA LOOM, KUNDB, KNG Z FOD PLAYER SYSTEMS  GARMIN GMABUD AVEID PANEL SYSTEM OD  TO EXISTING SYSTEM OD Z. AVTOPILOT, HAUDWILD BE STORED ON A 1, 5, 7 and allation manual.  Dealing in accordance with FAR AC 43.13-1A, Chapter 11, Section 2, Aircraft or installation per FAR 23.1301 and 23.1431.  Dealibration checked per FAR AC 43.13-1A, Chapter 18, Section 5.  Domputed.  New Weight and Balance computed.  31-56, 35, New C. Q. FR HT (New Useful Load 141) +5 US.  Vor components identified above were installed and inspected in accordance deral Air Regulations and were found already for return to service. Pertinent work are on file at the agency under work order.  DATE 12-7-2006 SIGNED With Market Signed.

YEAR: 2007 DATE	RECORDING TACH TIME	TODAY8 FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
1/2	H088	s: <i>2</i> 7	55.2	REPLACED FLEX JOINT IN PILOT'S CONTROL COLUMN. RIGGED AILEROUS AND RETENSIONED AILERON CABLES. FOR MICHIGAN AVIATION CAS KLAREST E THEFATA GENERAL AND SISSESS
1/2	HOBBS	: 275	5.2	REPLACED SHAFT BETWEEN FLEY JOINT AND SPOCKET IN PILOT'S CONTROLL COLUMN. FOR MONGAY AVIATION CRES KLAKTSCH MERKEL KAMPY MY 3138625

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				
	1		N AVIATI CRS NO. KL	
	1	. No. <u>N478</u> No. <u>31954</u>		Ser. No. <u>34-7870004</u> #6885 Hours 2775.8
	L4-	-B nsn. I	nstalled NE 3, with origin	gnetic compass, p/n C-2200- W magnetic compass, p/n C- nal compensator,

The Aircraft/Component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service.

CRS NO. KLZR956K

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alteration Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.
DATE	ļ			1
				MICHIGAN AVIATION CO.
				(248)666-3440 CRS NO. KL2R956K Date 03/22/2007
	]			Reg. No. <u>N47815</u> Ser. No. <u>34-7870004</u>
				WO No. 31962B Hours 2790.7
				Removed GEM 1200 CHT, s/n 1047 p/n 1200-001, and sent to insight instrument Corp. for repair. Reinstalled repaired GEM 1200 CHT, s/n 1047, and ramp tested. Unit functions normal.
				END
				The Aircraft/Component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service.
				CRS NO. KLZR986K Michael Wilke
İ				

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				
१६ ज	AIMINET	TOTAL.	TIME: 52	02.95 POHOLINA AMUNI INSPECTION IAM PIAM SOLUME
	MANNE AL	o Gal	MT 43 A	PENSON D. THE FOLIUMIC MINTENANCE WAS PORFORMED:
	INSPECTED	ALFIN	e ho st	WITHER (MERECTED FLIGHT CONTROLS, CARDES, PULCUS,
	CHECULA	CHALUT T	ersion. L	KILLITED ALL HINGES, PULLEYS AND AUST PUINTS. CHECKED
	fue sm	wor so	wasys, 1	rspected under instrument panel, inspected under floor
	BUHAD. (	we write	NOWLY C	LIBERTUL CHT GAGE AND NEW CHT PROSE ON RIGHT ENGING.
	INSDECTED	LUDINA	aure m	SHES AN LUBER, ADIFORMED GENE RETRACTION TOST AND
	man	C4 6x	ension. I	MAGGIES MIERES, TIRES AND BRILLES, RE-PACLES LAFTEL
	BONLING S	, INSTA	wa New	Brune UM PCAS PLA: Old - Obloo. COMIL NOIS BAGGAGE
	LIAST a	ecuir.	REPAIRED	CASIN AIR DUR AND CASIO. WARREST TACH DRIVE CASIESTY
	INSTALLOS	Now W	MOSHIES	S Phi: W/6-2038-II-250-LH AND W/6-2038-II-250-
	PH. CHUCA	kas Ans	INSPECTED	LEST POR FAR 91.207 D AND FOUND GUOD. (NOTALLER NOW ")
	EU SATTE	M. NOW	BATTULU P	IN 00-06-13 DUE REPLEMENT JULY 2009, CHECKED AD'S
	THEOUGH	2007-1	5. CU TH	F COLLUMNIC AD'S ! 2004-21-05 BY PRESSURE DECLY THAT.
	2004-25	ILRI	BE VISUAL	INHERRY OF FUEL REQUENCE SHUT-OFF VALUE. NO ORDER
	NOW CIL R	scuren	i AB\$ 01	E AT THIS TIME. I COULTRY THAT THIS AIRCRAFT HAS
				over

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17. Name  1 This d  3 Where alread  1 History	hn ustant deun not vorsettiate auf t ha intellar work it securedate tellenare unibertity sociale periodis	herrity for four to with the color or attacked to car attacked to be the color of t	N/A  Vise  tiel the part partned regulations of an oracle of rise the security	nices coefficient	authority spacifica	, other than the at		Sept 7	(deletion on on)	

# Michigan AVIATION CO.

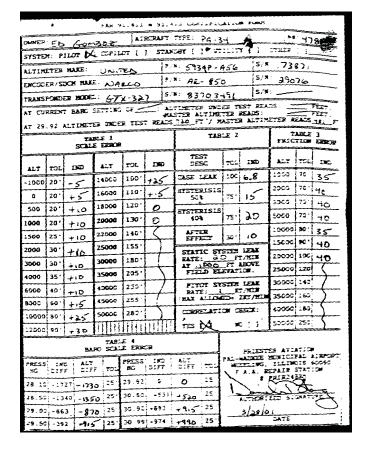
"We Stress Quality"

Complete Avionics Service Repair Station No. KL2R956K

Oakland Co. Int'l Airport 6150 Highland Rd. Waterford, MI 48327 Voice (248)666-3440 Fax (248)666-5415

# Complete Aircraft Avionics Sales & Service WORK RECORD

ED 410	- 104000						
EPAIR ORDER	# 31962B	OPER I	<b>10.</b> 1				
QUIPMENT	CHT Display						
IFG	Insight Instruments Corp.						
ODEL	GEM 1200						
N	1200-001						
/N	1047						
OMPLAINT Remove Ch	T instrument and ship out for repair						
ARTS REPLAC	:D						
ORK SUMMAR	Removed GEM 1200 CHT, s/n 1047, and sent to Insight Instrum						
TECH: Mich	nel Wilke Markaul with		DATE 03/22/2007				
THE AIRCRAFT AVIATION REGI	AND/OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INS ILATIONS AND IS APPROVED FOR RETURN TO SERVICE	SPECTED IN ACCORDANCE WITH	H CURRENT FEDERAL				



YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE	1	1	N ACCORDA	NCE WITH AN ANNUAL INSPECTION AM WAS DETERMINED LITION.  E-ST L HP SBSB47988 IA.
	Signature_F 150 N. AIR	URON PORT D	VPER CO tested S L. Da VIONICS, R., KIMBA	AW. Part 43.  James of the State of the Stat

# Superior Instrument Service. Inc. 1661 North Airport Road WATERFORD, MICHIGAN 48327



Repair Station #UM2F	R218L (3754)	Class 1, 2, 3	<u>8 4</u>
Customer HUP	70	AUIDA	נט
Inst J R V	,	·	
Type 59349-		_	•
W.O. 22 0 23	_ P.O	3711	=
☐ Overhaul	<b>∠</b> ≥≪	erviceable	
☐ Repair	ΞE	stimate	
Sench Test	٥	Inserviceable	
Customer Instruction	is:		
MT.M	BEY		

Record No.
CAC. TO 20 EFFTUE
LAG TENT-OF.
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27 PT AT AVERTOR
KPTEP ESTECTION
Mechanic Market
Mechanic
Inspector
The aircraft and/or component identified
above was repaired and inspected in accordance with current Federal Aviation
Administration Regulations and was found
airworthy for return to service. Pertinent details of the repair are on file at this agency
under Work Order No. 277 27
Date 8-2-17
Released by
for 13'49 2)2
SUPERIOR INSTRUMENT SERVICE, INC.

Cert. No. UM2R218L 1661 N. Airport Road Waterford, MI 48327

RECORDING TACH TIME	TODAY8 FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
LEFT TACE	1:127.0	14 stace	NEW BUS FLEWO'S UPGINGS PUMP PIN: 54-1000, INSTAUCO
			10-34 RALS, THIS INSTALLATION SATIFIES THE AMOC
TO NO 9	8-21-20	. See Go.	m 35%. Instances man prop De-ICE BUST ON
	1 1		1214-10, OPS CHECK MORNIE ON GROUND CHECK.
	TACH TIME  LEFT TACE REAL DOOR TO AD 9	TACH TIME FLIGHT TIME  LEFT TACE: 127.0  REAL DOOR SHALS TO AD 9 8-21-24	TACH TIME IN SERVICE  LEFT TACE: 127.0   1.5 TALES  REAL DOOR SEALS PIN: 39: TO AD 98-21-29. SEE FO.

Huron Avionics, Inc. 140 North Airport Drive Kimball, Mi 48074 LOG ID# 121 07-March-2008 REF# WO 150 N47816 S/N 34-7870004 PIPER PA-34-200T TACH 2896.6

Pf

REMOVED BOTH EXISTING GARMIN GNS430 AND GNS530 GPS/NAV/COMMS AND 1 EXISTING GA56 ANTENNA. INSTALLED BOTH UNITS AFTER THEY WERE UPGRADED WITH WAAS CAPABILITY. INSTALLED 2 GARMIN GA35 WAAS GPS ANTENNAS, TRANS-CAL SSD120-30A ALTITUDE ENCODER, AND S-TEC ST-360 ALTITUDE PRE-SELECT OPTION TO EXISTING S-TEC SYSTEM 60-2 AUTOPILOT AND 1.A.W. WITH THE S-TEC MANUAL #ST-360. SEE FAA FORM 337 DATED MARCH 7, 2008.

REVISED AIRCRAFT WEIGHT AND BALANCE/EQUIPMENT LIST. A/C EQUIPPED W/A 60 AMP ALTERNATOR. ALL WORK DONE I.A.W. FAR AC 43.13-1A CHAP. 11, SECTION 2,3,4,5,7, AND MANUFACTURERS INSTALLATION MANUAL.

FUNCTIONAL TESTED INSTALLATION PER FAR 23.1301 AND 23.1431. MAGNETIC COMPASS CALIBRATION CHECKED PER FAR AC 43.13-1A, CHAP. 16, SECTION 5.

ABOVE EQUIPMENT/COMPONENTS WERE FOUND AIRWORTHY RETURNED TO SERVICE.

SIGNED HANRIPIN WILLIAM C MCKELVEY

Date

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				
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	MANUAL A	n can	mer 43 A	MANAR D. THE GLENNA MANTENNER UAS PERCOMED: INSPECT
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	wherete	the HI	races, pour	ALINES AND ALLERS, INFRECTED THE CHECKER, FLUID LIVES
				, INN'ETTERS BATTOCH, SATTOCH BOX AND GLECTIC LATE. INFECTION
	FUNCTION (	Hothes	but Por	CM 91.207(d) AN GOLD CIED, EST BATTOM DUE RUPLICOMEN
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	Anwary	GUALA	רוט	Ecopy & A41 385047458 IA
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YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE			İ	
-27-08	LETT TAC	H: 213.	B HEATER	HOSSS: 856.8 Paramen Henter Preside Decry
	REINSTA	COO PU	004-21-05         VALU	EFFECTIVE DATE: 11-19-DAT, ROMONED, QUENNED, LUSID AND
			End	EFFECTIVE DATE: 11-19-04, REMOVED, QUEMMEN, LUSID AND  E. OPS CHECK NORMAL,  L AAP \$85847988 IA

Huron Avionics, Inc. 140 North Airport Drive Kimball, MI 48074 H4NR191N LOG ID# 380 15-May-2009 WO# 562/1 HOBBS 2998.0 N47815 8/N 34-7870004 PIPER PA-34-200T

REMOVED GARMIN GNS430W WAAS GPS/NAV/COMM P/N 011-01060-40 S/N 97118263 UPDATED GNS430W MAIN SOFTWARE FROM VERSION 3.00 TO VERSION 3.20 AND GPS SOFTWARE FROM VERSION 3.0 TO VERSION 3.2 I.A.W. GARMIN SOFTWARE SERVICE BULLETIN 0848 REV. B.

REMOVED GARMIN GNS530W WAAS GPS/NAV/COMM P/N 011-01064-40 S/N 78401288. UPDATED GNS530W MAIN SOFTWARE FROM VERSION 3.00 TO VERSION 3.20 AND GPS SOFTWARE FROM VERSION 3.0 TO VERSION 3.2 I.A.W. GARMIN SOFTWARE SERVICE BULLETIN 0848 REV. B.

RECONFIGURED UNIIS & CONFIRMED UPDATES PERFORMED SUCCESSFULLY. REINSTALLED IN A/C. RETURNED TO SERVICE.

SIGNED HANRISIN WILLIAM C MCKELVEY

1

1

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				
101-09	AINCRAPT	TOTAL T	ME: 536	B. 05 (LIGHT ENGING TACH). POLFORMOD ANNUAL (NEASCITION LA
	PIPOL SOL	WOR W	what Aus	FOR DANG 43 APPENDIX D. THE FOLLOWING MINTENANCE WA
	Performa	5: [NS	OCTOS AU	GRAME AND STRUCTURE, LINEASCIOND FLIGHT CONTROLS, CLOSES
	Puues,	CHOCKES	CARLE TH	ISLONS, LUBRICHTOD ALL PIVOT ADMIS, CABLES, MOPRIES AND ARECO
	MARKETUS	UNDUL	FLOOR A	INSTRUMENT PANCE, INSPECTED ALL ELECTRUME, WILLING A
	FW45 U	INES. IN	5 AGCTEO A	NO FUCTION TESTED DE-LOS / ANTI-ICE SUSTEMS, INSPECTED
	i .	I	Ĭ	NO CHECKED BLEETHOLING INSPECTED AND FURIATION TESTED
	EX POL	FAR 9	1.207/4)	AND ROUND GOOD, PASTALLED NOW BUT BATTOLY, BUT BATTO
	1	ľ	1	MODE 2011. INSPECTED RUDDER PEDAL ASSEMBLIES, INSPEC
	1	1	I	NES AND BLAKES. POLGAMOD LANDING GEAR RETINGTION A
	1	, ,	, ,	EST. REPACKED WHEEL BENNINGS, INSPECTION COMBUSTION
•	HEATTAL A	SSBMBL	y, source	D BARRO RESOLUCIA. AD'S CHECUSO THANKIN BI-WEEKLY
	[ -	1		DANING AN'S: 2004-25-16 RI BY VISUAL INSPECTION OF
	l .	l .	1	F VALUE, EFFERING DATE: 6-20-05, NUKT DUG: 10-201
	1		Į.	EWG AD'S OUR AT THIS TIME. I COUTER THAT THIS AIRC
		l .	<b>!</b>	ACCORDANCE WITH AN ANNUE INSPECTION AND WAS

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				
	DETERMIN	י סד כש	E IN AIR	NURTHY CONDITION.
		1		ELEN SAP 30504 7920 IA.
		1		/4: 255(1155)
		!	Į.	I. <b>O</b>

Huron Avionics, Inc. 140 North Airport Drive Kimbali, MI 48074 H4NR191N LOG ID# 561 27-April-2010 WO# 729 AC TT 3066.2 HOBBS 3066.2 N47815 S/N 34-7870004 PIPER PA-34-200T

Pg 1 / 1

I CERTIFY THAT THE ATC TRANSPONDER WAS TESTED AND INSPECTED AS PER FAR 91.413 I.A.W. PART 43, APPENDIX F TRANSPONDER MAKE/MODEL GARMIN GTX327. THE STATIC AND AUTOMATIC PRESSURE ALTITUDE REPORTING SYSTEMS WERE TESTED AND INSPECTED PER FAR 91.411 I.A.W. PART 43 APPENDIX E, PARAGRAPHS A AND C RESPECTIVELY TO 20,000 FT.

I CERTIFY THAT THE ALTIMETER SYSTEMS WERE TESTED AND INSPECTED AS PER FAR 91.411 I.A.W. PART 43, APPENDIX E, PARAGRAPH B. ALTIMETER TESTED BY HURON AVIONICS TO 20K FT. DATE TESTED: 4-27-2010.

ر	/lln c	hat	CKELVEY	4.	27-1	0_
SIGNED HAN	NR191N WI	LLIAM C M	CKECVEY		Date	

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				

Huron Ávionica, Inc. 140 North Airport Drive Kimball, MI 48074 H4NR191N LOG ID# 562 28-April-2010 WO# 730/1 AC TT 2896.6 N47815 S/N 34-7870004 PIPER PA-34-200T TACH 2896.6

REMOVED GARMIN GNS430W WAAS GPS/NAV/COMM P/N 011-01060-40 S/N 97118263 UPDATED GNS430W MAIN SOFTWARE FROM VERSION 3.20 TO VERSION 3.30 I.A.W. GARMIN SOFTWARE SERVICE BULLETIN 0918 REV. A. REMOVED EXISTING GARMIN GNS430W FLIGHT MANUAL SUPPLEMENT P/N 190-00356-03 AND REPLACED WITH GARMIN GNS430W FLIGHT MANUAL SUPPLEMENT P/N 190-00356-03 REV. B, FAA APPROVED DATE JULY 31, 2009, I.A.W GARMIN SERVICE BULLETIN 0918 REV. A.

REMOVED GARMIN GNS530W WAAS GPS/NAV/COMM P/N 011-01064-40 S/N 78401288. UPDATED GNS530W MAIN SOFTWARE FROM VERSION 3.20 TO VERSION 3.30 I.A.W. GARMIN SOFTWARE SERVICE BULLETIN 0918 REV. A. REMOVED EXISTING GNS530W FLIGHT MANUAL SUPPLEMENT P/N 190-00357-03 AND REPLACED GNS530W FMS P/N 190-00357-03 REV. B, FAA APPROVED DATE JULY 31, 2009, I.A.W GARMIN SERVICE BULLETIN 0918 REV. A.

REINSTALLED IN 430W/530W UNITS IN AIRCRAFT. ALL TESTS OK - RETURNED TO SERVICE.

SIGNED HANRI9IN WILLIAM C MCKELVEY Date

12-1-10 LEFT ENGINE TACH TIME: 305.6 ALACRAFT TOTAL TIME: 5417.15 (LEFT ENGINE TACH). PERGAMENTAL AMUNAL INSAELTION IAM PIAGE SENECA II SOLVICE MINUAL AND FAA PAAT 43 AAABNOW D.

THE FOLLOWING MINITENANCE WAS POLFORNED: INSAECTED ALAFAMEN & STRUCTURE INSAECTED
FLIGHT CONTROLS, CARLES AND PULSES. CHURCUSO CARLES TENSIONS, LUBRICATED ALL

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE		<u> </u>		
	HINGES,	PLUOT PO	NAA ETVI	AULFY'S . INSPECTED AND FUNCTION TESTED ELT PER FAR
	PANT 91.	07(d)	AND FOUN	GOOD, ELT BATTERY DUE REPLICEMENT DECEMBER 2011.
				D INSTRUMENT PANEL, INSPECTED RUDGEL PROATE ASSEMBLIES
	I .	E .	t .	MUDIA WITH MIL. H. SGOS HYDRAULIC FLUID, INSPECTED
	f .	•	ľ	O CHECKED ELECTROLITE, INSPECTED ALL ELECTRICAL,
		1		NEPECTED AND FUNCTION TESTED PNEUMATIC DE-ICE SISTEM
				TEM . INSPECTED LANDING GEAR, WHEELS, TIMES AND BRINES.
	INSTALLED	NEW 1	ines plu.	072-317-0 (2 FACH) ON LEPT AMORIANT MINGEAL
				ING BENE RETRACTION AND EMPLASMY EXTENSION TESTS
				TOO AND WASHOO LANDING GEAR, NE PAGEO ALL WHEEL
				DUSTION HEATON ASSEMBLY, INSTALLED NOW BRUSH ASSEMBLIES
	PIN: 753-	391/2	ENCH) IN C	PMBUSTION HEATER COMBUSTION BLOWER MOTOR. INSTALED
	NEW OR	rus Ph	:M\$2877	- 222 (2 EACH) IN LEFT BRANE CYUNDER. INSTALLED NOW
	VALUUM P	MP INL	OT FILTER	5 PIN: AAD 7-14-5 (2 FACH), INSTALLED NOW AIR FILTERS
	PIN: BA-	(2 EA	ch), cue	KED AN'S THROUGH AT-WERKLY 2010-24 F. COMPLIED WITH
į	THE Follow	wire,	405:2019	-15-10 BY INSPECTION OF PILOT MO CO-PILOT CONTROL WHEEL

#### AIRFRAME LOGBOOK ENTRY

PA34-200T S/N: 34 7870004 Reg #: N47815 ATT: N/A Model: Hobbs: 2484.3 Removed: Collins #2 VHF 251 Com p/n 622 2078 001 s/n 19098, #2 VIR 351 Nav p/n 622 2080-011 s/n 25836, #2 IND 351 CDI p/n 622 2083 003 s/n 7082, GLS 350 Glideslope Receiver p/n 622-2084-001 s/n 5270, IND 650 ADF Indicator p/n 622 2536-001 s/n 4558, RCR-650 ADF Receiver p/n 622-2091-001 s/n 9407, TDR 950 Transponder p/n 622-2092-001 s/n 5495, L band antenna p/n AV 22 s/n none. Installed: Garmin #1 GNS 530 Nav/Com/GPS p/n 011 00550 10 s/n 78401288, #1 GA-56 GPS Antenna p/n 011 00134 00 s/n 59049451, #2 Gl-106A CDI p/n 013 00049 11 s/n B21227, GTX 327 Transponder p/n 011 00490 00 s/n 83703491, King KA-118 Demodulator p/n 071-1095 00 s/n 2045, King KA-60 L hand antenna p/n 071 0159 0001 s/n 50766, #2 MD41 GPS Annunciator/Switch p/n MD41 1464A s/n 18118 and Autopilot Nav Switching Relay p/n AlS80-1 s/n 11022. Relocated existing GNS 430 to right avionics stack and added remote annuciators. GNS-430 is re-interfaced as the #2 system. See FAA approved form 337, FAA approved GNS-530/GNS 430 Flight Manual Supplement, revised weight & balance / equipment list and GNS 530 / GNS 430 Pilot's Guides for further information. GPS systems placarded GPS NOT APPROVED FOR NAVIGATION pending FAA approvals. Completion of test flight and approval of flight manual supplement removes placard and limitation and allows GPS systems to be operated per instructions and limitations of the FAA approved flight manual supplement, POH, and Garmin manuals. END

The Avionics installation identified above was accomplished and inspected in accordance with current operators in instructions, FAR 4.3,AC 4.3.3.1 Bland 2A and is approved for return to service as per these requirements. With respect to work performed, more pertinent details of this repair are on file at this LAA Repair station, under WORK ORD RW 48811.

PRIESTER AVIATION

Palwaukaa Municipal Airport Whaaling, Illinoia, USA LAA Bapair Station PRIR248H

signed Jul R. Stoyl

Date: March 30, 2001

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				
	SHAFTS. N	DISCRE	ancies m	TOO. NO FURTHER ACTION REQUIRED. 2004-21-05 BY CONSUS
	HONTOL AL	ersurb	DECH TOS	AND FUNCTION TOST OF CONSUSTION HEATER AIR PRESSURE
	SWITCH .	vext du	e Hertol 1	10005: 993. ( Hours on 12-2012, which Evol occurs firest.
	2004-25	16 21	84 INSPE	TION OF COMBUSTION HEATER FUEL NEGULATOR SHUT-OFF
	VALUE FO	2 000	icus of fu	L CEARAGE . NEXT DUE LEFT ENGWE TACH: 405.6 HOVES OF
	12-2011	MICH EV	or occur	FIRST. NO OTHER NEW OR PRECURAING AD'S DUE AT THE
	] 1			IS AINCRACT HAS BEEN INSPECTEDS IN ACCOMMING WITH
	AMUKL	INSPECT	ION AND	UKS DETERMINED TO BE IN ALRHORTHY CONSITION.
				E-ful AN 385847988 IA.
				0.



#### GRIFFIN AVIONICS, INC. BARNSTABLE MUNICIPAL AIRPORT HYANNIS, MA 02601

TEL. (508) 771-2638 TEL. (508) 771 5027

DISC	emodulator
	095-00 KA-118
S/N	2045
ТЕСН	X
DATE	3/28/01
CUSTOMER	HARBE
A/C MODEL	
N NO	POS
REPAIR	0.Н
OTHER:	liqued per
mfgre	ligned per
v	

SERVICABLE PART

THE AIRCRAFT APPLIANCE IDENTIFIED ON REVERSE SIDE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT F.A.A. REGULATIONS AND, FOR THE LEVEL OR SCOPE OF THE WORK PERFORMED, IS APPROVED FOR RETURN TO SERVICE.

PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT

THIS AGENCY UNDER WORK PADER No 31.7...

DATED ... 3. 28. 01 ... SIGNED MED Juffer FOR

GRIFFIN AVIONCS, INC. F.A.A. REPAIR GN1R172K

TIME SERVICE Technician or Repair Facility. (See back pages for other specific e	ntries.)
DATE	

#### AIRFRAME LOGBOOK ENTRY

Model: PA34 200T S/N: 34 7870004 Reg #: N47815 ATT: 4895.26 Hobbs: 2496.7

Removed, repaired, and re installed autopilot mode controller p/n 1D720 s/n 2332. Function test nominal. ŁND

The Avious a component system identified above was repaired and inspected in accordance with content monutes tores a matter tions, I AR 43,AC 43.13. IR and JA and is approved for return to service as per these requirements. With respect to work performed, make performent details of this repair are on tile at this LAA Repair Station under WORK ORDER# 48918

> Date: April 17, 2001

PRIESTER AVIATION

Palwaukee Municipal Airport Wheeling, Illinois, USA LAA Repair Station PRIN24BH

1. UNITED STATES	2	FAA FOR	RM 8130-3	the color of animal of the second and animal of the	3 System Tracking Ref No.	
					ACI	
		AIRWORTHINES	SS APPROVAL TAG		, ,	
			tion Administration		1 5463	ĺ
4 Organization		AUTOPILOTS CENTE	RAL, INC		5 Work Order, Contract.	• 🙀
		HANGAR 23 TULSA INT'L A	AIRPORT		or Invoice Number.	
6. Item 7. Descri	iption	8 Part Number	9. Eligibility 10 Quan	RS# CM2R747K lity	SAME AS #3 Itch Number 12 Status/World	
	,			11. 3011M/13A	incit intititions   12. Status/vyor	'K
Consol	r	10720	TAO Article	1 2 2 2	2 0	1
13. Romarko	_ ,	IDTAO EFFRENCE ATTACHED SERVICE	Various	233	2 Repaire	ed
	_ ,	ID72 O EFFRENCE ATTACHED SERVICE	Various	233 ERFORMED	2 Repaire	d
	_ ,	ID72 O EFFRENCE ATTACHED SERVICE	Various	233 ERFORMED	2 Repaire	ત
	_ ,	1072 O EFFRENCE ATTACHED SERVICE	Various	233 ERFORMED	2 Repaire	લ
13. Remarks	Ä		F SHOP REPORT FOR WORK P	233 ERFORMED	2 Repaire	al
t.imited life parts must be acc	Ř ompanied by m lewly Överhaul	aintenance history including total tin	SHOP REPORT FOR WORK P	ERFORMED		el
t.imited life parts must be acc  14. New [1] Certified that the new or re- as otherwise specified in b	Pi ompanied by m lewly Overhauled lock 13 was (we	aintenance history including total tin d. [, ] part(s) identified above, exapt up) manufactured in a condonce	THE PORT FOR WORK P  THE PORT FOR WORK P  THE PORT FOR WORK P  THE PORT FOR WORK P  THE PORT FOR WORK P  THE PORT FOR WORK P  THE PORT FOR WORK P	ERFORMED	R 43.9	d
timited life parts must be acc  14. New [-] Certified that the new or or as otherwise specified in b with FAA Approved design	ompanied by m lewly Överhauled lock 13 was (we data and arwo	aintenance history including total tin nd. [, ] part(s) identified above, exept re) manufactured in nccordance rthiness	He/total cycles/lime since new  19 Return Service in A Certifies that the work spe carried out in accordance	ERFORMED  coordance with FA colled in block 13 (o with I AA aurworthin	R 43.9 Ir attached above was eas regulations and in	d
timited life parts must be acc  14. New [-] Certified that the new or or as otherwise specified in b with FAA Approved design	ompanied by m lewly Overhauld wily overhauld lock 13 was (w data and auwo ze exported, the	aintenance history including total tin d. [, ] part(s) identified above, exapt up) manufactured in a condonce	THE PORT FOR WORK P  THE PORT FOR WORK P  THE PORT FOR WORK P  THE PORT FOR WORK P  THE PORT FOR WORK P  THE PORT FOR WORK P  THE PORT FOR WORK P	ERFORMED  coordance with FA colled in block 13 (o with I AA aurworthin	R 43.9 Ir attached above was eas regulations and in	d
t.imited life parts must be acc  14. New [1] Certified that the new or re- as otherwise specified in b with FAA Approved design	ompanied by m lewly Overhauld wily overhauld lock 13 was (w data and auwo ze exported, the	aintenance history including total tin nd. [, ] part(s) identified above, exept re) manufactured in nccordance rthiness	THE PROPERTY OF WORK PROPERTY OF THE PROPERTY	ERFORMED  cordance with FA citind in block 13 (o with I AA misorithin med the part(a) is (a	R 43.9 Ir attached above was eas regulations and in	d
t.imited life parts must be acc.  14. New [1] Certified that the new or or as otherwise specified in b with FAA Approved design.  NOTE: In case of parts to importing country have ber	ompanied by m lewly Overhauld wily overhauld lock 13 was (w data and auwo ze exported, the	aintenance history including total tin id. [ ] part(s) identified above, exept part(s) identified above, exept ithineas special requirements of the	me/total cycles/time since new  19 Return Service in A. Certifies that the work specimes specifies to the work performation to service.	ERFORMED  Coordance with FA  citied in block 13 (o with I AA nirworthin med the part(s) is (a	R 43.9 r attached above was eas regulations and in see) approved for	ed.

YEAR:	RECORDING TACH TIME	TOBAYS	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
BATE				

Huron Avionics, Inc. 140 North Airport Drive Kimball, MI 48074 H4NR191N LOG ID# 720 19-May-2011 WO# 967 HOBBS 3099.9 N47815 S/N 34-7870004 PIPER PA-34-200T

REMOVED GARMIN GMA340, GNS530W, GNS430W AND GTX327 SYSTEMS.
INSTALLED GARMIN GMA35 AUDIO PANEL, GTX32 TRANSPONDER, GTN 750 #1 GPS/NAV/COMM, GTN 650 #2
GPS/NAV/COMM AND GDL69A XM DATALINK WITH GA55 XM ANTENNA I.A.W. STC# SA02019SE-D. THE GTN750 AND
GTN650 ARE WIRED TO THE EXISTING GA35 GPS WAAS ATENNAES, S-TEC 60-2 AUTOPILOT FOR STEERING
INFORMATION AND GTX32 TRANSPONDER FOR ALTITUDE DATA. S-TEC ST-901 GPSS STEERING CONVERTER TO
EXISTING SYSTEM 60-2 AUTOPILOT.
CONFIGURED, TESTED ALL EQUIPMENT AND RETURNED TO SERVICE.

NEW WEIGHT AND BALANCE: EMPTY WT. 3168.32 LBS. C.G. 89.41 IN. MOMENT 283271.60 USEFUL LOAD 1401.68 LBS.

I CERTIFY THAT THE ATC TRANSPONDER WAS TESTED AND INSPECTED AS PER FAR 91.413 I.A.W. PART 43, APPENDIX F TRANSPONDER MAKE/MODEL GARMIN GTX32. THE STATIC AND AUTOMATIC PRESSURE ALTITUDE REPORTING SYSTEMS WERE TESTED AND INSPECTED PER FAR 91.411 I.A.W. PART 43 APPENDIX E, PARAGRAPHS A AND C RESPECTIVELY TO 20,000 FT.

4

I CERTIFY THAT THE ALTIMETER SYSTEMS WERE TESTED AND INSPECTED AS PER FAR 91.411 I.A.W. PART 43, APPENDIX E, PARAGRAPH B. ALTIMETER TESTED BY HURON AVIONICS, INC. TO 20K FT. DATE TESTED: may 19, 2011.

	( ,	)1 <b>\</b>	chik	الميل	5-	19-2	اام		
SIGNE	D H4NR191N	WILLIA	M C MCKELVEY		Date				
		<u> </u>	L					 	

YEAR:	RECORDING TACH TIME	TOBAYS FLIGHT	TOTAL TIME III SERVICE	Description of Inspections, Tests, Repairs and Alteration Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries)	of
BATE					
				ve Kimball, MH 48074 H4NR191N	
LOG 10 N47815	# 782 08-Se 5 S/N 34-787			988 34-200T	2g 1/
DOES NO	T DIM PROPE	RLY. REM	OVED EXIST	Y DIMS TO 50%. TRIED ALL CONFIGURATIONS AND SETTINGS AND DISPING GARMIN GTN650, P/N 011-02256-00 S/N 1Z8000524, AND INSTAL02256-00 S/N 1Z8000628. TESTED AND RETURNED TO SERVICE.	
	(4)14.	- M	21		
SIGNED	H4NR191N	WILLIAM	C MCKELVEY	<del>)</del>	
Huron A	vionics, Inc.	140 Norti	Airport Drive	e Kimball, MI 48074 H4NR191N	
LOG ID: N47815	F 797 02-Nov	rember-201	11 WO# 112	9 FORM QC-09 4-200T	Pg 1 / 1
					•
EMOVED TN650,	GARMIN GPS/ P/N 011-022	/NAV/COM 256-00 5/	GTN650, F/ N 12800138	n 011-02256-00 s/n 1z8G00628, and replaced with exchange 8. TESTED AND RETURNED TO SERVICE.	
TT-027	AND REPLACE 99-00 S/N 11 89. TESTED A	гьиии 193.	AUDIO PAN	N 11-04646. ALSO REMOVED EXISTING GARMIN GMA35, P/N BL AND REPLACED WITH EXCHANGE GMA35, P/N 011-02299-00 S/N VICE.	
	wn	ر دلہ	-kh		
IGNED	H4NR191N V	VILLIAM C	ACKELVEY		

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## AVANTGARDE AVIATION, INC. AIRFRAME LOG ENTRY N47815

- 1/12/2012 ANNUAL INSPECTION, TOTAL TIME 5534.3, LH TACH 422.8, TOTAL TIME TRACKS LH TACH.
- AD NOTES RESEARCHED THRU 2011-27
- \_ AD 2004-21-5 HEATER PSI DECAY DUE AT 12/12
- CW AD 04-25-16R1 HEATER FUEL VALVE, DUE EA 100 HRS, BY INSPECTION, NO FUEL LEAKS FOUND NEXT DUE AT LH TACH 522.
- CW AD 2005-13-16 BY INSPECTION IAW SB 1123A NLG 50 HOUR NEXT DUE 472, 100 HR NEXT DUE 522, AND 500 HOUR BOLT REPLACED NEXT DUE AT LHTTACH 1044.
- IFR STATIC TEST DUE AT 4/2012
- ELT TESTED IAW 91.207 [D] NO CORROSION FOUND, BATTERY REPLACEMENT DATE 12-2014.
- ADJUSTED FWD CABIN DOOR SEAL AT TOP AND REPLACED ALL BLOW UP DOOR SEAL PIG TAILS, SERVICED BOTH FUEL STRAINERS AND REPLACED
- SEALS, CLEANED AND LUBED TAIL TRIM SYSTEM, REPLACED LH & RH VACUUM FILTERS, REPAIRED CRACK IN BATTERY BOX WITH EPOXY AND GLASS
- CLOTH, SERVICED BATTERY, RETORQUE ALL FUEL TANK TRANSMITTER GASKET
- BOLTS, SERVICED WHEELS AND BRAKE REPLACED BOTH DISC AND PAINTED WHEEL HALF, S THAT WERE CORRODED REPLACED ALL BRAKE LINING PINS AND
- ONE PSI PLATE AND ALL BRAKE INNINGS CLEANED BRAKE GUIDE PINS HONED
- BUSHINGS AND LUBED WITH ANTI SEIZE, REPAIRED 3 HUB CAP HOLD DOWN SCREW HOLES, REGLUED SEVERAL INST PANEL PLACARDS, INSTALLED NEW TAIL
- NAV LIGHT LAMP, REGLUED CENTER SEAT CARPET TO FLOOR BOARD, REPLACED AFT CABIN DOOR BUMPER, REPLACED LOOSE STD SIZE CHERRY MAX RIVETS ON
- ELV TRIM TAB HORN WITH OVER SIZE CHERRY MAX RIVETS,
- I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY
- CONDITION WORK ORDER #20961 JOHN F JOHNS
  1519936A&I

AVANTGARDE AVIATION, INC. AIRFRAME LOG ENTRY N47815

2/21/2012, LH TACH 438.9, R&I SHADEN FUEL FLOW FOR BENCH TEST AT SHADIN INSPECTED PLUG AND WIREING NO FALTS NOTED GROUND RUN NORMAL, REPLACED LH INSTRUMENT PSI PUMP WITH RAPCO NEW RA441CC PUMP BLEW OUT HOSES AND FILTERS, INSTALLED RAPCO PUMP COOLING KIT{SEE 337 THIS DATE} GROUND RUN 5 INCHES, WO 20986.

BRAIN SCOTT A&P3599823

DATES 5-1-2002 LH TACHO 457.4

Remarch and replaced Left coul flas

Caple assembly 9/N 554-305, operational

Check OK Also removed Left tach interior

cable cleaned and bused with grease instally

cable back in passions Alast grace Minterior

INC, W/O # 21019 Receive Minterior

Aff 3256/14

YEAR:	RECORDING TACH TIME	TBBAYS FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE 5/9/2012	LH 7901 4	57.6		Remaved and Replaced Right main Landing
				GEAR TIRE INSTALLED NEW 6.00 X 6 8 PLY CONDOR TIRE QUANTERS QUIATION, WATERFORD
				MI. W/O # 21019  Rrian Deatt AEP 3599823
				FNO FNO

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AR:	RECORDING TACH TIME	TBBAYS FLIGHT	TIME Entries must be endorsed with	ns, Tests, Repairs and Alteration Name, Rating and Certificate Number of See back pages for other specific entries
	SMOH		Michigan Aviation Co	Total Time
	Date 6	21-12	6150 Highland Rd. Waterford Mi. 483 Phone 248-666-3440 Fax 248-666-46	
			F AND ACC" circuit breaker P/N 454-715. meEND	
			nent identified above was repaired and	inspected IAW Enderal

,	PREFERRED AVIONICS	med Augus 28:3	ription of Inspections, Tests, Repairs and Alterations s must be endorsed with Name, Rating and Certificate Number of
	3679 Bowen Road Howell MI 48855 800-736-6143 Office CRS# YPCR724X	+20 +50	ician or Repair Facility. (See back pages for other specific entries.)
	MAINTENANCE RELEASE  This Aircraft Appliance/Component was repaired	+100	
•	and inspected in accordance with Federal Aviation Requirements and was found air worthy for return to service. Pertinent details of the repair are on file at this agency under:		Preferred
	W.O.No. 2013 Date 13 Fe3 25 S  O/H		1 O N 1 C S = YPCR724X 2813A C TIME #486: 3355
	Unit AltereteR	+15	ed and inspected on 13 Fee 2013 and Part 43. Appendix F. Automatic altitude d and calibrated on 13 Fee 2013 in
	Mfg. UNITED  P/N 5934P-3  Model STD S/N 42499	•	Appendix E. Paragraph (C) to <u>b</u> K Ft. static system tests required by FAR  The altimeter was tested on 13 feb b 3
ŗ	Cust <u>Fino</u> Reg <u>N 478 i 5</u>	Ryal Tu	to 20 aw Ft.
ť	Insp. By For Lock		

ription of Inspections, Tests, Repairs and Alterations s must be endorsed with Name, Rating and Certificate Number of rician or Repair Facility. (See back pages for other specific entries.) DATE **Preferred** AVIONICS CRS= YPCR724X A C TIME #36: 3355 WO# 2813 REG N 47815 The ATC transponder was tested and inspected on 13 fee 2013 and found to comply with 91.413 Part 43. Appendix F. Automatic altitude reporting equipment was tested and calibrated on 13 fee 2013 in compliance of 91.411 FAR 43. Appendix E. Paragraph (C) to 20 K Ft. I certify that the altimeter and static system tests required by FAR 91.411 Have been performed. The altimeter was tested on 13 in 123 20,0W By Preferred Aviance L. Signature D. X. R. Fe Detail Among to ass yper 214x

#### AVANTGARDE AVIATION, INC. AIRFRAME LOG ENTRY N47815

- 3/01/2013 ANNUAL INSPECTION, TOTAL TIME 5662.5, LH TACH 551.0, TOTAL TIME TRACKS LH TACH.
  - AD NOTES RESEARCHED THRU 2013-02

1519936A&I 🖊

- AD 2004-21-5 HEATER PSI DECAY DUE AT 03/15
- CW AD 04-25-16R1 HEATER FUEL VALVE, DUE EA 100 HRS, BY INSPECTION, NO FUEL LEAKS FOUND.NEXT DUE AT LH TACH 651.
- CW AD 2005-13-16 BY INSPECTION IAW SB 1123A NLG 50 HOUR NEXT DUE - 601, 100 HR NEXT DUE 751, AND 500 HOUR BOLT REPLACED NEXT DUE AT LH \_ TACH 1044.
- CW AD 2013-02-13 ELEVATOR CABLE INSPECTION IAW SB 1245A, DUE EA - 2000 HOURS [2422] OR 7 YEARS 2020.
- \_\_ IFR STATIC TEST COMPLETED BY PREFERRED AVIONICS NEXT DUE AT 2/2015 ELT TESTED IAW 91.207 [D] NO CORROSION FOUND, BATTERY REPLACEMENT DATE 12-2014.
- \_\_ SERVICED BOTH FUEL STRAINERS AND REPLACED SEALS, CLEANED AND LUBED TAIL TRIM SYSTEM, DEGREASED BEHIND GEARS AND WHEELS, REPLACED FUEL
- CAP SEALS, REPLACED WIND LACING ON REAR BAGG DOOR REPLACED SEVERAL
- MISSING SCREWS REPLACED STRIPPED NUT PLATE, INSTALLED TY-RAP ON DOOR SEAL PIG TAIL, REPLACED RH STABILIZER TIP, REPLACED FRESH AIR SCAT IN
- TAIL CONE, SERVICED BATTERY, SERVICED WHEELS \_\_ BEARINGS, CHECKED BRAKE DISC, S THICKNESS, REPLACED LH MAIN TIRE AND
- BALANCED, CW SB 956 MAIN LANDING GEAR TRUNNION ATTACH BOLTS ON RH
- GEAR LH WAS PREVIOUSLY CW, INSTALLED OVER SIZE HINGE PIN IN RH MAIN GEAR DOOR, REPLACED ALL BRAKE LININGS CLEANED BRAKE GUIDE PINS HONED
- BUSHINGS AND LUBED WITH ANTI SEIZE, REGLUED SEVERAL INST PANEL
- PLACARDS, REGLUED CENTER SEAT CARPET TO FLOOR BOARD.
- I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY PRDER CONDITION NORK #21134 JOHN F JOHNS

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
BATE				
loc-25	N478	15	CTack	3385.7 HTR 998.6
		•		Replaced Jonitral Leader- With
				Replaced Jonitral Leader- With CD12059-1 SN 2085 (Rev E) Replaced
				Jenitrol Frel pump & Begulator With
				CD 29112 JUTH & CD 20800 JU
				Perform opps check. System checks
				Good. 10 2004-21-05 a 2004-25-16R1
				No longer apply.
				The resident with the
		1		William Sandmann Mill
				1911 3077449
				Alferica
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YEAR:	RECORDING TACH TIME	TODAYS FLICHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alte</b> Entries must be endorsed with Name, Rating and Certificate Num Technician or Repair Facility. (See back pages for other specific	ber of
BATE	ļ 				
iuron Av LOG ID#	rionics, Inc. 1007 29-Apr S/N 34-7870	il-2013 W	/O# 1478 F	Nimball, MI 48074 H4NR191N ORM QC-09 4-200T	Pg

UPDATED GARMIN GTN750 AND GTN650 SW FROM VERSION 2.00 TO VERSION 4.00 AND GMA35 SOFTWARE FROM 2.00 TO VERSION ALL I.A.W. GARMIN SOFTWARE SERVICE BULLETIN 1314 REV A. TESTED ALL AND RETURNED TO SERVICE.

SIGNE	the distribution of the contract of the contra	TLLIAM C	MCKELVEY	<del>(</del>			
·							
-		<b> </b>			 		
				<u></u>			
				<u> </u>	 	 	<del></del>
	1	1	1	1		 	

### AVANTGARDE AVIATION, INC. AIRFRAME LOG ENTRY N47815

01/24/2014 ANNUAL INSPECTION, TOTAL TIME 5711.9, LH TACH 630.5, TOTAL TIME TRACKS LH TACH.RH TACH 625.7

AD NOTES RESEARCHED THRU 2014-01

AD 2004-21-5 HEATER PSI DECAY NO LONGER APPLIES NEW HEATER INSTALLED

AD 04-25-16R1 HEATER FUEL VALVE, NO LONGER APPLIES NEW VALVE INSTALLED.

CW AD 2005-13-16 BY INSPECTION IAW SB 1123A NLG 50 HOUR NEXT DUE 680, 100 HR NEXT DUE 730, AND 500 HOUR BOLT REPLACED NEXT DUE AT LH TACH 1044.

AD 2013-02-13 ELEVATOR CABLE INSPECTION IAW SB 1245A, DUE EA 2000 HOURS [2422] OR 7 YEARS 2020.

IFR STATIC TEST COMPLETED BY PREFERRED AVIONICS NEXT DUE AT 2/2015 INSTALLED NEW ARTEX 406 ELT ON LH SIDE OF TAIL CONE BEHIND REAR CABIN BULKHEAD, TESTED IAW 91.207 [D] NO CORROSION FOUND, BATTERY REPLACEMENT DATE 10-2020.UPDATED WEIGHT AND BALANCE.

SERVICED BOTH FUEL STRAINERS AND REPLACED SEALS, CLEANED AND LUBED TAIL TRIM SYSTEM, DEGREASED BEHIND GEARS AND WHEELS,

REPLACED HEARER BLOWER ASSY WITH NEW UPDATED UNIT P/N CD21414, REPLACED FUEL CAP SEALS, REPAIRED LOWER TAIL CONE FIBER GLASS USING EPOXY AND CLOTH, INSTALLED NEW REAR BAGG BOX DOOR STOP, REGLUED BAGG BOX DOOR CARPET, PAINTED LH INBD LEADING EDGE AND TOUCHED UP SEVERAL CHIPS, TOUCHED UP WING WALK, HAD COPILOTS SEAT BACK POCKET REPAIRED, REATTACHED COPILOTS REAR CORNER PLASTIC COVER AND CARPET, REPLACED CABIN OVERHEAD LIGHT ASSY WITH USED SERVICEABLE ASSY, PLACARDED LANDING LIGHT SWITCH, REPLACED INSTRUMENT FILTERS, REPLACED LH TACH CABLE AND LUBED BOTH CABLES, RESEALED WINDSHIELD, INSTALLED NEW TAIL TRIM WEAR STRIP, \*\*\*\*\*\*\*\*SEE NEXT PAGE\*\*\*\*\*\*\*\*

RETORQUED ALL FUEL TRANSMITTER BOLTS, REGLUED LH INBD STALL SWITCH HEATER, REPLACED BATTERY BOX A+ STRAP, REPLACED LH & RH FUEL TANK PLACARDS, SERVICED BATTERY AND CHECKED CAPACITY, SERVICED WHEELS BEARINGS, CHECKED BRAKE DISC, S THICKNESS, REPLACED ALL BRAKE LININGS CLEANED BRAKE GUIDE PINS HONED BUSHINGS AND LUBED WITH ANTI SEIZE, REPLACED GEAR UNSAFE LIGHT LAMP, REPLACED CENTER WOODEN FLOOR BOARD WITH NEW, REPAIRED DEFORMED SKIN BEHIND LH & RH ENGINES ABOVE EXHAUST TAIL PIPES BY INSTALLING INSPECTION PLATE IN SKIN AND CLEANING OUT EXHAUST RESIDUE AND SPRAYING WITH CORROSION-X INSTALLING A ANGLE TO REINFORCE THE WARPED SKIN USING STAINLESS AND SEALING PLATES TO KEEP EXHAUST FROM GETTING INSIDE, I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION WORK / ORDER #21246 JOHN F JOHNS 1519936A&I

> AVANTGARDE AVIATION, INC. AIRFRAME LOG ENTRY N47815

3/18/2014, LH TACH 658.9 REPLACED BATTERY WITH GILL G35, ADJUSTED LH

VOLTAGE REGULATOR TO MATCH RH,

JOSEPH STEWART A&P 3690287

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YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				
2-15-15	LH TACH	: 793.6	RH TAC	H: 790.8 AIRCRAPT TOTA TIME: 5875.0 (USING LH TACH).
				TION IN ACCORDANCE WITH PIPOL PA34-ZOOT SOLVE
				APPENDIX D. THE FOLLOWING MANTENANCE WAS PERFORMED:
	INSPECTE	DAIRGA	ME AND	STUUCTURG, INSPECTED ALL FLIGHT CONTINS, CASIES AND
	Pruer's.	CHELLI	D CASLE	TENSIONS, LUBRICATED ALL PINCT POWTS, HINCES AND PULLES
	INSPECTED	UMEN	NEM SE	ATS AUD INSTRUMENT PAUZ. INSPECTED RUDDEN PEDAN ASSY'S
	Aus serv	CED B1	NUG NEBB	WOIR. INSPECTED AND FUNCTION TESTED ELT PER FAR PART
	91.2076	d) AM	MIEY C	PONATION INSTANCTIONS AND FOUND GOOD. BY BATTOM DVE
	REPULLER	ient B	0.70 BOA 2	020. INSPECTED BATTON, BATTERY BOX AND CHECKED
	accordi	पाए.।	SPECTED!	THE ELECTRICAL, WIRING AND FLUID LINES. INSPECTED AND
	FUNCTION	TESTE	PNEUMA	TIC DE-ICER SYSTEM AND WINDSHIELD WELCOR, INSMETTED
	Lauswa	GEAN,	wroas,	TIMES AND BANKS. INSTALLED 3 EACH CONDOIL TIMES PW:
	072-314	-0 A	3 NEW	TUBES PIN: 092-500-0 ON AN THREE LANSWE GEAR
				HOST BEALVAS. PORFORMED LANGUA GEAR RETURCTION
	EXTENSIO	1/Eme	naena c	PATENSIEN CHECKS THROVAH 5 CHILES, WISMILLTESS AUS
				SPECTION AND FUNCTION TESTED COMISSISTION HEATEN, CHECKED

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				
	AU'S THA	vau B	wether	2015-04. COMPLIED WITH AS 2005-13-16 BY
	INSPECTIO	N IN	Account A	VIE WITH PIVER SOLVICE BULLETIN 1123 A ON THE NOSE
	LANSWA C	EAR.	TO HOUR !	US PECTION NORT AVE LEFT TACH: BAS. 6 HOURS, 100 HOUR
	INSPECTIC	NEEK	DUE LE	FT TACH: 893.6 HOURS, 500 HOUR BUIL REPLICEMENT
	NEXT DV	E LEH	TACH: 1	044-0 Hours. NO other New on NECULARIVE ADIS OUT
	AT THIS	TIME	WO DATE.	I CENTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED
	IN ACCOR	DANCE	WITH A	ANNUAL INSPECTION AND WAS DETERMINED TO BE IN
	AIRWOILT	on Con	DITION.	Englul AAA 385847988 IA.
		<u> </u>		
4-2-15	LELT TAC	H: 80	3.3 RIGI	HT 74CH: BOO.7 INSTALLED NEW AIRCRAFT BATTERY,
				C, SONAL NUMBER: 40712533. SEE FORM 337 THIS DATE
	INSTAUED	NOW N	ICHELIJ A	ILTINES PIN: 070-317-0 (ZEACH) ON LEFT AM MIGHT
<del></del>	MAIN GEA	n wher	IS. REUSE	SONVICENSES TUBES, REPACUED WHEEL BEARINGS, INSTALLED
	1		1 .	4-21600 (ZEACH) AND NEW BRANE LIMINGS PLN: 066-62000
				FAA/PM'D TAIL GOE FROM KNOTS ZU P/N: GF96338.
	1	l	ŀ	LAUT WING BOLT FAIRLINGS FROM KNOTS ZU PH: GF63942-00

**,...** 

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	MODEL 9052051 01-0790520-51 seed with Name, Rating and Certificate Number of acility. (See back pages for other specific entries.)				
	AND GE-6	3942-	01. INSTALLOS NOW WHELEN TSO'D LED TAIL BEACON PIN:				
	01-0790	520-	51, MODE #: 9052051, S/N: 00531. INSTALLES NON CHALLENGON				
	AIR GILTE	ves pla	1: 2CP1957 IN LEFT AND PLANT ENGINE. SEE FORM 337 THIS BATE.				
	ALLCMIT	APPNO	VES FOR METURE TO SERVICES.				
			Suffer 305847988 JA.				
6-11-15	LEFT TAC	H TIME	: B23.4 RIGHT TACH TIME: 821.1 INSTALLED NOW KNOTS ZU				
	RIGHT U	vince re	OT FAMILY P/N: CWAR AND NEW KNOTSZU LEFT WING ROOT				
	FAIRING	PIN: C	LIRL. SEE FORM, 337 THIS DATE.				
			900 38584 7988 IA, AEP				
6-11-15	LEFT TAC	4 TIME	: 823.4 RIGHT TACH TIME : 821.1 INSTALLED NEW LOPMESTI				
			IT. SPERO SPATS KAT CONSISTS OF THE FOLLOWING:				
			005-1 LEFT FORWARD FAIRING (1 EXCH), PIN: LSM-200-005-2				
			FAIRWG(I EXCH), PIN: LSM-200-005-3 LEFT AFT FAIRING				
	(I ENCLY)	PIN: U	SM-200-005-9 RIGHT ACT PAIRING (I EACH). SEE FORM 337 THIS				
	DATE.		9-51 285847968 IA, AFF				

YEAR:	RECORDING	TODAYS	TOTAL	Description of Inspections, Tests, Repairs and Alterations		
	TACH TIME	FLIGHT	TIME IN	Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)		

Huron Avionics, Inc. 140 N. AIRPORT DR. H4NR191N KIMBALL, MI 48074 H4NR191N LOG ID# 2730 08-October-2015 WO# 2802/\*\*\*\*\*\*\*\* HOBBS 3791.5 N47815 S/N 34-7870004 PIPER PA-34-200T

Pg 1/

REMOVED THE EXISTING GARMIN GTX32 TRANSPONDER. INSTALLED GARMIN GTX33ES MODE S TRANSPONDER I.A.W. STC# SA0714WI AND WIRED TO THE EXISTING TRANS-CAL SSD120-30A ALTITUDE ENCODER. INSTALLED GARMIN GDL88 ADS-B UAT TRANSCEIVER AND COMANT CI-105 ANTENNA. WIRED TO THE EXISTING GARMIN GTN750/650 GPS/NAV/COM'S TO DISPLAY TRAFFIC AND WEATHER ALL I.A.W. STC# SA02119SE. INSTALLED GARMIN FLIGHTSTREAM 210 BLUETOOTH DATALINK WIRED TO THE EXISTING GARMIN GTN750/650 GPS/NAV/COM'S AND THE GDL88 ADS-B TRANSCEIVER FOR DATA TRANSFER. CONFIGURED ALL EQUIPMENT AS REQUIRED, TESTED AND RETURNED TO SERVICE.

NEW WEIGHT & BALANCE: EMPTY WT. 3079.70 LBS. C.G. 90.13 IN. MOMENT 277580.85 USEFUL LOAD 1489.90 WITH ALL SEATS INSTALLED.

REAR SEATS REMOVED W&B EMPTY WT. 3003.70 LBS. C.G. 89.07 IN. MOMENT 267534.59 USEFUL LOAD 1565.90 LBS.

I CERTIFY THAT THE ATC TRANSPONDER WAS TESTED AND INSPECTED AS PER FAR 91.413 I.A.W. PART 43, APPENDIX F. TRANSPONDER MAKE/MODEL:GARMIN GTX33ES THE STATIC AND AUTOMATIC PRESSURE ALTITUDE REPORTING SYSTEMS WERE TESTED AND INSPECTED PER FAR 91.411 I.A.W. PART 43 APPENDIX E, PARAGRAPHS A AND C RESPECTIVELY TO:20K FT.

I CERTIFY THAT THE ALTIMETER SYSTEMS WERE TESTED AND INSPECTED AS PER FAR 91.411 I.A.W. PART 43, APPENDIX E, PARAGRAPH B. ALTIMETER TESTED BY:HURON AVIONICS, INC. TO: 20K FT. DATE TESTED: OCT 8, 2015

signed WILLIAM C MCKELVEY						

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				

12/7/2015 N47815 Tach 985.1, Installed new GE1383 bulb for ice light. The work on the Aircraft/component identified above was accomplished in accordance with the current Federal Aviation Regulations and is approved for return to service. –END–

AP 2725134 Matt Lahti

_	1		!	·
3-1-16	LH TACH	: 1007.	3 RH T	CH: 1006:7 AIRCRAFT TOTAL TIME! 6088:7/USING WEFT
,,,,	HAND TA	(H). P	promo	AMMUNE INSPECTION IN ACCESSIONNEE WITH PIPER PA 34.
	Z007 50	LVICE 1	mine A	o CALBART 43 AMENOUS D. THE FOLLOWING
	MAINTEN	wee u	ras Apric	ormes : INSPECTED AIRFRANCE AND STRUCTURE. INSPECTED
	Au Fila	HT Co.	muls, c	ABLES AND ALLEY'S. CHECKED CABLE TENSIONS.
	LUBRICE	TEN A	L HIVAB	, ALLEY'S AND PIVOT POINTS. INSPECTED UNDER REAL
	STATS A	NO INSTI	RUMOUT A	AVEL. INSPECTED PURPOL FORM ASSEMBLIES AND SOLVICED
	Bruce 1	BOLUO	in. CLEA	180 AND THEATED AIR FILTERS. INSPECTED AND FUNCTION
	TESTED	ELT PON	FAR DAN	91.207 (d) AND APTEX OPERATION INSTRUCTIONS AND
	Four an	<u> १०. स</u>	T BATTOM	DUE ROPLICEMENT OCUSER 2020. INSPECTED BATTERY
	AND BAT	ou B	X, INSPE	THE ALL FLECTHLICAL, WINCING AND SWID LINES. INSTACTION
	AND SEL	troop L	amoura a	EAR HUDANULC FOWER RACK INSPECTED AND

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				
	EVACTION	TESTED	PNEUMT	IC DELLON SUSTEM, PROPEREN MELCON SUSTEM AND
	とこらい いま	ierd b	elcol. 11	ISPECTED LANDING GEAR WHEELS, TIMES AND BRAKES.
	INSTALLE	D NEW	TIRE ON	RIGHT MAIN GEAR WHEEL. REPARKED ALL WHEEL
	BEARING	S. PO	Connes	LAUDING GEAR RETIDETION AUS EXTENSION AUS
	EMELAE	way t	KTENSIE	CHECUSTHINVAH 5 CYCLES, CHECKEL LANGING GENE
	MANNIN	i sus	rem for	PROPER OFERATION. WISHES LANDING
	GEAR. 11	VS/CCTE	AND FUN	CTION TESTED COMBUSTION HEATEN ASSEMBLY.
	INSTALLE	O NEW	H1-5H0	er RIVETS IN LOWER RUDBER HINGE ATTACHWG
	Bracet	INSTA	nos no	v Polled Cover Cashets on Both Evanues.
	INSTALLOS	NON !	A LANDY	a LIAHT CAMP PIN: GE4509, CHECKER AD'S
	THROUGH	BLW	EBRU Z	016-05. COMPLIED WITH AS 2005-13-16 BY INSPECTION
	IN ACCOU	ANCE	WITH PAPE	L SELVICE BULLETIN SB1123 A ON THE NUSE CANDING GENE.
	50 Hour	MISPER	ston hex	T DUE TACH(LEFT): 1044.0 HOURS. 100 HOUR INSPECTION
<del></del>	NEWT DU	TACH	(LEFT): 10	044.0 Hours, 500 Hour Bolt Replacement Next Ave
	ATTACH	(LEF4)	1044-0	Hours. NOOTHEL MEN OR RECLIENCE ASIS OVE AT
	THIS TY	TE AND	OATE.	CONTIFY THAT THIS AMOUNT HAS BEEN INSPECTED IN

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# PREFERRED AVIONICS AND INSTRUMENTS, LLC

3679 Bowen Road Howell MI 48855 800-736-6143 Office CRS# YPCR724X

#### MAINTENANCE RELEASE

This Aircraft Appliance/Component was repaired and inspected in accordance with current Federal Aviation Requirements and was found air worthy for return to service. Pertinent details of the repair are on file at this agency under:

W.O.No. 513 Date: 3-10-14
DO/H □ Repair DF/T
☐ Removed Serviceable ☐ Rebuilt
☐ Other
Unit: ATTITUDE GYRA
Mfg.SIGMA-TEK
P/N 20-501-06-16
Model 5000 B-36 S/N 1788 61 M
Cust: PREFERED
Reg: <u>N47815</u>
Tech.
Insp. By
FORM PA 2

Tran	sport Canada	CATE	1. Form Fracking Na. (VYMINDD-XNN) 141125-248							
ENSIG 599 D	Izations Name and Address HT INSTRUMENT CORPORATION NDUSTRIAL DRIVE FERIE, ONTARIO, CANADA LIA SMI	5. Work Order/Contract/làvoice								
6. Item	7. Description	8. Part No.	9. Qty.	10. Serial/Batch No.	11. Status/Work					
1	TAS 1000	1000-001	1	00466	NEW					
13s. Cer X										
0	DN (AVG) (Traciant)  134. Date (3d/mmm/yyyy)  134. Date (3d/mmm/yyyy)  135. Date (3d/mmm/yyyy)  136. Date (3d/mmm/yyyy)  136. Date (3d/mmm/yyyy)  137. Date (3d/mmm/yyyy)  138. Date (3d/mmm/yyyy)  139. Date (3d/mmmm/yyyy)  139. Date (3d/mmmm/yyyyy)  139. Date (3d/mmmm/yyyyyy)  139. Date (3d/mmmm/yyyyyy)  139. Date (3d/mmmm/yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy									
Installer Responsibilities										
This cer	This certificate does not constitute authority to fustalk									
Installers working in accordance with the national regulations of a country other than that specified in black I must ensure that their regulations recognize certifications from the country specified.										
	Statements to blocks 13s on 14s do not constitute justification. In all cases, the technical record for the aircraft most contain an installation certification issued in accordance with the applicable national regulation before the oiceraft may be flown.									

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs a Entries must be endorsed with Name, Rating and Certif Technician or Repair Facility. (See back pages for othe	icate Number of
DATE					
	ACCULAN	ce wi	W AN AM	from Inspection And was beternined ?	
	ALLWORT	TH CO	MITION.	En A 4 P 38584798	& IA.
PRE LOG N478	i ID# 969 19	ONICS & April-2016 -7870004	WO# 5196	TS LLC 3679 Bowen Road Howell, MI 48855 YPCR724X PA-34-200T	Pg 1 / 1
DICCO	ITEM # 5196-	ΔΕΕ ΔΤΙΙΠ	IDE GYRO		<del></del>
	F000 F 0	name#1 77	EN1 NS_7 CA	erial#: X44398HZ alled overhauled unit. Ramp test verified proper opera	ition.
Gyro Gyro	off: P/N: 2 on: P/N: 2	3-501-05- 3-501-06-	2 S/N: X44396 16 S/N: T7886	6H <i>Z</i> 69N	i
-	XK.		19	APR 2016	
Signe	ed YPCP/24X	DAVID RE.	ZANKA	Date	
LOG I	D# 977 05-N	ay-2016	WO# 5258 F	LLC 3679 Bowen Road Howell, MI 48855 YPCR724X HOBBS 3925.2	Pg 1 / 1
N4781	5 S/N 34-7	870004	PIPER PA	-34-200T 	
ACTION: Manufac	: Installed o cturers Insta	ustomer s III Manual	upplied Sand P/N: 306181	DISCREPANCY: SANDIA INSTALL ia SAI-340 P/N: 3061/1-00 S/N: 350 in accordance with -00 Rev. 2 dated 1/22/2016. This unit is installed as . Unit was tested to comply with Install requirements tem tests required by FAR 91.411 have been performed. on.	in
Ka	YPCR724X/I	Will	6	25 MAY 16	-

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				
	dated 00 P/N: R	6 Oct 20 D-5001-1	14 and bal L & RD-50	th a new Michelin 600-6/8 p/n: 070-317-0, s/n: 4274S00031 lanced. Replaced both LT & RT wing tip clear lens 001-R from Knots 2U, Ltd.
LOG ID# 28!	nics, Inc. 140 53 26-July-20 5/N 34-7870004	16 WO#2	T DR. H4NR1 953 PA-34-200T	91N KIMBALL, MI 48074 H4NR191N
REMOVED DEF TRANSPONDER SERVICE	FECTIVE GARM P/N 010-N0	IN GTX33 267-30 s/	ES TRANSPONI N 89123516.	DER AND INSTALLED WARRANTY REPLACEMENT GIX33 ES CONFIGURED AS REQUIRED, TESTED, CERTIFED AND RETURNED TO
NO CHANGE	IN WEIGHT AN	D BALANCE	•	
AND INSPECT APPENDIX F. THE STATIC REPORTING S DER FAR 91	THAT THE ATC TED AS PER F . TRANSPONDE AND AUTOMAT SYSTEMS WERE .411 I.A.W. A AND C RES	AR 91.413 R MAKE/MO IC PRESSU TESTED A PART 43 A	I.A.W. PAR DEL:GARMIN RE ALTITUDE ND INSPECTE PPENDIX E.	F 43; GT X33
Signed will	LLIAM C MCKE	LVEY		9/21/2019 Tach: 4173 5 N47815  Replaced the following brake parts, (2) brake rotors p/n 164-21600, (8) brake pads p/n 66-06200, (4) o-rings p/n MS28775-222 and right main tire Michelin 6.00-6/8/120 Bleed both brakes with 5606 oil. I certify that this aircraft is airworthy and return to service.  Gregory E. Smith A&P 369544480 IA

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				<u> </u>
10-7-16	LEFT TAC	4: 117	7.5 RIG	HT TACH: 1180.B COMPLIED WITH AD 2005-13-16 IN
			i	DELVICE BULLETIN NO. 1123 B. REPLACED UPPER DRAG LIN
		l.		BOLT STACK UP WITH THE FOLLOWING PARTS; ANT-35 &
	(I EACH)	, AN96	0-716L (	1 EACH), AN960-716 (2 EACH), AN320-7 NUT (1 EACH),
	424-08	S Corn	DE 1012 (1	EACU). SO HOVE INCPECTION NEXT DUE TACH (LEFT): 1229
	Hours, 11	10 HOUR	INSPECTI	ON MENT DUE TACH (LEFT): 1279.5 HOURS. MANDATORY
				INT NEXT DUE TACH (LEFT): 1679.5 HOURS. ALACANET
	APPROVEC	For	Return to	Serve.
				E- MAI 38584 7988 IA.
0-7-16	LEGT TAC	4: 117	9.5 RU	GT TACH: 1180.8 INSTALLED WHELEN WINGTIP
				1947 HEADS MODEL DR65016, Plu: 01-0790725-01,
	SIN: 009	23 A	ud mode	- OR6501R, Pln: 01-079 0725-02, Sln: 00915.
				NED IN ACCORDANCE WITH FAA ACNO. 20-41 A AM
				HIS INSTALLATION IS CONSIDENED A MINOR ACTEMITION
				PUMED. WEIGHT AND BRANCE CHANGE NEGLABIBLE.

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				
	AURCMA	APPN	aves for	DETURN TO SOLVICE.
			English	AAP 385847988 IA.
7-22-16	DET-T TAC	H TIME	F: 11 <del>89</del> .0	PLANT TACHTIME: 1190.6 INSTALLED THE
	FOLLOUN	14 FUE	L TANKS	ENDOLS THAT WOLE RECENTLY BUENDAVLED:
	PIN: 7740	-0004	0/1510	013-5 \$1×: 163461
	PN: 7740	-000	11/P\$ 10	013-6 \$1m: 162107
			<del>                                     </del>	013-5 \$ln: 153344
	<del></del>		7	013-6 dh: 154234
	OPERATIO	NAL CL	tech Man	MAN OF FIEL QUANTITY BAVEB. USED ALL NOW
	GASHETS	AWO S	ears for	- INSTALLING FUEL SENDERS. LEAR CHELL OK.
			20	MAN 385847988 IA.
·				0

	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				
8-27-16	LEFT TAC	HTIME	: 1191.5	RIGHT TACH TIME: [192.9 INSTALLED NON APPL
	1	1 1	l .	VANTITY GAVAGES PIN: 6246-00131/2 EACH), GUNCTION
	CHECK 1			200 NAP 385847988 IA.
_ _ 12/ _ (	29/2016 L Complied w	eft tach:	: 1234.4 F	Right tach: 1236.5
( cha	Complied wart on nose p	vith AD 2 gear assenis aircra	2005-13-13 emble. SB1 oft is airwo	3 IAW SB 1123A table 1 item #9 IAW Pipers MM lubrication 123A item #9 due every 50hrs. Due next @ 1284 hrs / 1286hr rthy and return to service.
(   ce 	Complied wart on nose pertify that the Gregory E.	vith AD 2 gear assertis aircra . Smith	2005-13-13 emble. SB1 off is airwor 36954448	B IAW SB 1123A table 1 item #9 IAW Pipers MM lubrication 123A item #9 due every 50hrs. Due next @ 1284 hrs / 1286hr of the and return to service.  O IA
(   cha   ce	Complied wart on nose pertify that the Gregory E	vith AD 2 gear assenis aircra . Smith	2005-13-13 emble. SB1 ift is airwo 36954448	BIAW SB 1123A table 1 item #9 IAW Pipers MM lubrication 123A item #9 due every 50hrs. Due next @ 1284 hrs / 1286hr of the and return to service.  OIA  TOTAL TIME (USING LEFT TACH)
( cha — I ce — 3-19-17	Complied wart on nose gertify that the Gregory E.  Lift TAGE  6352.9	vith AD 2 gear asservits aircra . Smith	2005-13-13 emble. SB1 ift is airwo 36954448 WH TA	BIAW SB 1123A table 1 item #9 IAW Pipers MM lubrication 123A item #9 due every 50hrs. Due next @ 1284 hrs / 1286hr of the and return to service.  OIA  CH: 1273.9 AMCINET TOTAL TIME (USING LEFT TACH)  R INSPECTION IN ACCORDANCE WITH PAZA-ZOOT SERVICE
cha — I ce — 3-19-17	Complied wart on nose gertify that the Gregory E.  Lit TACU  6352.9.  MANNAL A	vith AD 2 gear asserits aircra . Smith   1271.5	2005-13-13 emble. SB1 off is airwo 36954448 7 12H TA	BIAW SB 1123A table 1 item #9 IAW Pipers MM lubrication 123A item #9 due every 50hrs. Due next @ 1284 hrs / 1286hrs. Thy and return to service.  OIA  TOTAL TIME (USING LEFT TACH):

•

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				
	INSPECTED	UMB	REAR S	EATS AND INSTRUMENT PANEL. INSPECTED RUDDER PENAL
	ARREMSL	ES AND	SOLVICE	O BRANE RESOLVEIR. CLEANED AND TREATED AIR FILTE
	INSPECTE	o Au	BETHL	M, WINING AM FLUID LINES, INSPECTED BATTOM AND
	BATTERU	Box.	INSPECTE	AND FUNCTION TESTED ETT POR FAR PART 91.207 (d)
				STRUCTIONS AND FUND AWD. BIT BATTOM DUE POPULEME
	OCTOBER	2020.	INSPECTED	AND SERVICED LANGING GENE HYBRAVUE POWER PACK.
				STED PHENMILL DEILER SUSTEM PROPERTY DEVER SUSTE
	AND HEAT	os m	'DSHIELD	PLATE. INSPECTED LANGING GEAR HAHERS, TIMES AND
	Branes.	EPACU	DAU W	HEEL BEALWAS. PERFORMED LANGUE RETHACTION AND
				+ 6 CUCLES PERFORMES LANGUE GEAR EMPLAENCY
				D LANGULL GEAR WARNING SUSTEM FOR PROPER OPERATION.
				NOWE GEAR. CHECHOO LANDING GEAR RIGGING IN
	Accordan	* WIT	e pipol	434-2007 SELVICE MANNAL. INSPECTED AND FUNCTION
				ASSEMBLY. INSPECTED AND CLEANED FUEL STRAWERS.
	(NSTALLED	WPre	TI SPECE	MARCHANTS GENECA NOSE HOWER (SSUED UNDER STC
I	NUMBER &	A 1017.0	GAT. SP	FORM 337 THIS DATE. CHECUED ANY THROUGH BI-WEEKLY

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				
	2017-06	. Confl	LED WITH	AD 2005-13-16, PARMAMPH (@)(2), 100 HOUR AND 50
				ROANCE WITH PIPER SOLVICE BULLETIN NO. 11236, 100 HOW
	INSPECTIO	n Newt	DUE THE	W(LEFT): 1371.5. SO HOUR LUBALCATION NEWTONE TACH
			7	MAGRAPH (B)(1) (MANDATORY BOLT STACKUP REPLECEMENT)
-	NEOT DV	= tacul	1000):1	679.5 Hours (Even 500 Hours). NO other New CR RECULANG
	ADIS DUE	AT TE	IS TIME	AND DATE. I CENTIFY THAT THIS AIRCHAFT HAS BEEN
	INSPECTED	IN AC	COLDANCE	WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE
	IN ALOW	व्यास्य ०	MONTIONS	. 22-81 L AAP 385847988 JA.

Huron Avionics, Inc. 140 N. AIRPORT DR. H4NR191N KIMBALL, MI 48074 H4NR191N LOG ID# 2942 22-March-2017 WO# 3101 HOBBS 4172.0 N47815 S/N 34-7870004 PIPER PA-34-200T

Pg 1 / 1

I CERTIFY THAT THE ATC TRANSPONDER WAS TESTED AND INSPECTED AS PER FAR 91.413 I.A.W. PART 43, APPENDIX F. TRANSPONDER MAKE/MODEL:GARMIN GIX33ES THE STATIC AND AUTOMATIC PRESSURE ALTITUDE REPORTING SYSTEMS WERE TESTED AND INSPECTED PER FAR 91.411 I.A.W. PART 43 APPENDIX E, PARAGRAPHS A AND C RESPECTIVELY TO:20K FT.

I CERTIFY THAT THE ALTIMETER SYSTEMS WERE TESTED AND INSPECTED AS PER FAR 91.411 I.A.W. PART 43, APPENDIX E, PARAGRAPH B. ALTIMETER TESTED BY:HURON AVIONICS, INC. TO:20K FT. DATE TESTED:MARCH 22, 2017

Signed WILLIAM C MCKELVEY

	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alteration</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.
DATE	<u></u> '			topair admity. (Obe back pages for other specific entries.
Huron Avior LOG ID# 29!		0 N. AIRPOF 2017 WO#	RT DR. H4NI	R191N KIMBALL, MI 48074 H4NR191N
	S/N 34-7870004	.017 110#	311/	
MOVED AND STED AND	REPLACED II RETURNED TO	NSIGHT TA	S1000 OAT	PROBE, REINSTALLED THE TAS1000, CONFIRMED CONFIGURATION,
	1	A		
	while	1 delan	_	
gned WIL	LIAM C MCKE	LVEY	<del>5</del>	
		_		
5/11/2017	N47815 Left Ta	ach 1323.7	Installed Strat	tus Power USB hubs P/N 153010-000029 S/N 055836, 055837 in the lower
instrument	nanal tatat with	11-4		
instrument work on the	panel IAW with Aircraft/comp	h installatio	n instructions	s. Installed a new 10 amp circuit breaker and 20 gauge wire for both units. The
instrument work on the and is appro	panel IAW with e Aircraft/comp oved for return	h installatio conent iden to service.	in instructions tified above v —END—	was accomplished in accordance with the current Federal Aviation Regulations
instrument work on the and is appro	panel IAW wit Aircraft/comp wed for return	h installatic conent iden to service.	on instructions itified above v -END-	s. Installed a new 10 amp circuit breaker and 20 gauge wire for both units. The was accomplished in accordance with the current Federal Aviation Regulations  AP 2725134 Matt Lahti
instrument work on the and is appro	panel IAW wit Aircraft/comp oved for return	h installatic ponent iden to service.	n instructions itified above v -END-	was accomplished in accordance with the current Federal Aviation Regulations
instrument work on the and is appro	panel IAW wit e Aircraft/comp oved for return	h installatic ponent iden i to service.	n instructions ntified above v -END-	was accomplished in accordance with the current Federal Aviation Regulations
work on the	e Aircraft/comp oved for return	h installatic ponent iden i to service.	on instructions of instructions of instructions of instructions of instructions	was accomplished in accordance with the current Federal Aviation Regulations
work on the and is appro-	e Aircraft/comp oved for return 7 I placard on	ponent iden n to service.	ntified above w -END-	was accomplished in accordance with the current Federal Aviation Regulations  AP 2725134 Matt Lahti
5/19/2017 Installed See 337	e Aircraft/compoved for return  7 I placard on form.	ponent iden n to service.	etified above w -END-	was accomplished in accordance with the current Federal Aviation Regulations AP 2725134 Matt Lahti  ent panel stating aircraft "MAXINUM OCCUPANCY 6"
5/19/2017 Installed See 337	e Aircraft/comp oved for return 7 I placard on	ponent iden n to service.	etified above w -END-	was accomplished in accordance with the current Federal Aviation Regulations  AP 2725134 Matt Lahti

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				
-27-17	LEFT TA	cu: 1:	341-7 6	COMPLES WITH AD 2005 -13-16 50 HOVE LUBICICATION
	ON NOLE	GEM	. NEWT	DUE LEFF TACH: 1391.7 Hows.
			ge	ef Me 185847988 TA.
				7 s/n 140737. Installed OH pump 441CC s/n 0C6S01.
				<u> </u>
	eased beari	oth mair ngs with	tires and	
	Replaced b eased beari	oth mair ngs with	n tires and n Mobil #2	8.

ě

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alteration</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries)	of
DATE	_				
8-1-17	LEFT TAC	1: 137	9.5 INS	MUED SOWICEABLE ELECTIVE CLOCK. COMPLIED	
	WITH A	200	5-13-16	IN ACCOMODICE WITH PIPER SERVICE BULLETIN MO	<b>)</b> .
	1123C, P	ALAGN	Pu(e)(2)	50 HOUR LUBRICATION AND 100 HOUR INSPECTION	J .
				EXET DUE TACH (LEFT): 1429.5 Hours. 100 Hour INSPE	
				: 1479.5 Hans.	
				We AFF 385847988 IA.	
		T	I		
Con and Pi aircraf	pers MM lu	AD 200: ubricationy and re	5-13-16 IA n chart on cturn to ser	W SB 1123A table 1 items # 1,2,4 thru 14 every 100hrs nose gear assemble due next @ 1545hrs I certify that this vice	
Cor Pipers return	2017 Left to mplied with MM lubric to service.  The example of the	50hr ins ation ch	pection IA art on nose	7815 W SB 1123A per AD 05-13-16 table 1 item #12 IAW gear assemble. I certify that this aircraft is airworthy and Eucycup.	

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				
Con and Pi aircraf Gr	pers MM 1 t is airwort egory E. Sr 23/2018 T	AD 200 ubrication hy and remith 36 Leach: 155	5-13-16 Lead on chart on eturn to ser 9544480 Lead of San San San San San San San San San San	N47815
			- Hallan - M	
3-17-18	LEFT TACH	: 1573.	D RIGHT	TACH: 1577.3 AIRCRAFT TOTAL TIME: 6654.4 ( 25FT TACH
	Performed	Anneur	INSPECTIO	I IN ACCORDANG WITH SEMECA II SERVICE MANUA AND
	fort 43	AMENA	IK D. THE	FOLLOWING MAINTENANCE WAS POLEDRING: INSPECTED AIRCRA
	& STEVET	URB. (N	ASCIED A	IL FLIGHT CONTROLS, CASLES AND ARLEY'S. CHECKED ALL CASL

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alteration Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				
	wiring.	AND FL	no Lives,	INCRECTED UNDER FLOOR AND INSTRUMENT PANEL INSPECT
	RUDDEN V	EDAL A	sensu	AND SERVICED BRANE RESERVOIR. CLEANED AND THEATER
	AIR FILTE	es. RE	andes p	H TAXI LIGHT PIN: GEASON, INSPECTED BATTOM MO
	BATTOLL	boc. IN	SPECTED A	& ELECTION TESTED ELT ADE FAIR PART 91,207 (d) MO FOL
	G000. E	BATTE	en pre 14	prisament october 2020, installed Newly Overclaster
	ALTOLNAN	a one	E COUPLIN	45 Pln: 635796 (2 EACH) 5/N'S: 111185 111152.
	IMPERTED	AND SE	LUICES LA	HOUR GEAR HYDRICIE ASHOL PACK. INSPECTED AND FINCTI
	TESTED	PNEUM	IC DEICO	SUSTEM, PARPELLON DEICON SYSTEM AND HEATED WHOSH
	PUTE. U	KAECTO	AND FUNC	TION TESTED COMPUSTION HEATER ASSEMBLY, INSPECTED
	LANDING (	EFAR, U	vucers, t	MES AND BRANCES, REPARCHED ALL WHERE BERNUGS, INSTALL
	NOW BU	uc as	s Pln: A	A164-21600 (2 EXCH) AND NEW BRUKE LININGS PIN: OC
	06200	B ENCH)	INSTA	CLED MICHILD STAT STORS. POLYORNED LANGUE CHOM RETURN
	AND BIND	aenci	EXTENTEN	100 CHECUS THROUGH B CYCLES. CHECKED LANGUE CAS
	MARNWA	Sus ter	For Pro	ME OPOLITION, WELKED LANGUE GEN PLACUE POR PARC
	SEMECA	II son	ICE MAN	M. WASHED AND LUBILLERED LINDURG GETAL. LUSPICATED
	An CLEA	HEA GIE	STRAWER	S. CHECKED AS'S THEOREM BI-MOCKEY ZOLB-06. CONFI

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE	<u> </u>			
	WITH THE	Force	we asis	: 2005-13-16 IN ACCOMBANCE WITH APPOR SONICE BE
	NO. 1123	, par	consul (e	(2) 50 HOVE LUBALICATION AND 100 HOVE LASPECTION. S
<del></del> -	Hove Lug	nicitio	N NEWT K	UE AT 1623.0 Hours ( LEST TACH), LOO HOUR INSPECTION IN
	DUE AT	<b>19</b> 73.	0 Hours 1	LEFT TACH). MANUATORY BOLT STACK-UP AND ACCUMENT
	OUE AT	1679.5	Hous (Le	IT TACH). NO OTHER NOW ON RECUMULE AD'S AUG ATTHE
<del></del> -	line a a	MED - 1	COUTIGU	THAT THIS AMOUNCE HAS BEEN INSPECTED IN ACCOMPANCE
	WITH AN	Amuse	MYNECT	ON AND OWNS DETOLMINED TO BE IN AULMORTHY COMOITIO
	L — – —		Ee	JUL ART 385847908 IA.
duron A	Avionics, Inc.	140 NORT		DR HANDIGAN KIMBALI MI 48074 HANDIGAN

Huron Ávionics, Inc. 140 NORTH AIRPORT DR.. H4NR191N KIMBALL, MI 48074 H4NR191N LOG ID# 3140 02-May-2018 WO# 3361 HOBBS 4531.6 N47815 S/N 34-7870004 PIPER PA-34-200T

Pg 1/

REMOVED FXISTING GARMIN GTN750 P/N 01]-02282-00 S/N 1ZA000609. INSTALLED NEWLY OVERHAULED GARMIN GTN750 P/N 010-N0820-00 S/N 1ZA020847. CONFIGURED AS REQUIRED AND RETURNED TO SERVICE. UPDATED GARMIN GTN650 OPERATING SOFTWARE FROM VERSION 6.21 TO VERSION 6.41 I.A.W. GARMIN SOFTWARE SERVICE BULLETIN NO.: 1722 REV A. UPDATED GARMIN GTX33ES OPERATING SOFTWARE FROM VERSION 8.02 TO VERSION 8.04 I.A.W. GARMIN SOFTWARE SERVICE BULLETIN NO.: 1734 REV A. UPDATED GARMIN GDL88 OPERATING SOFTWARE FROM VERSION 3.33 TO VERSION 3.41 I.A.W. GARMIN SOFTWARE SERVICE BULLETIN NO.: 1809 REV A.

Signed HANRISIN WILLIAM ( MCKELVEY

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				
5-18-18				APLIED WITH AD 2005-13-16 IN ACCORDANCE WITH PIPER
	service 13	uero	No. 11230	BY MANDATON BOLT STACK-UP REPLACEMENT. INSTALLED TH
	FOLLOWIN	PANT	: AN7-	15 MOLT ( 1 EACH) AN 960-716 L ( 1 EACH) AN 960-716 (20)
	AN 320-7	NUT (1	EACA), A	24-085 COTTOL AW (I EACH). 50 HOUR LUBRICATION NEXT
	DUE AT	LEFT T	CH TIME	: 1671.4 Hours. 100 Hour LUSPECTION BEAT BUE AT LEG
	TACH TIM	WE: 17:	21.4 Hou	3, 500 HOUL MANDATONE BOLT STACK-UP REPLACEMENT
	NEXT O	e At l	EFT TACK	TIME: 2121.4 HOURS, POLEDINOS LANDWE GEM ACTINATION
	AND EXTE	ens ion	THISVAH	8 CICLES.
		<del>                                     </del>		CA AAP 385847988 IA.
	<del> </del>	T		
6/14/2	018 Tach	1666.8		N47815
			13-13 IAW	SB 1123A table 1 item #12 due every 50hrs. Due next at.
				s and balanced with Condor 600X6-8.
		s aircraft	t is air wor	thy and return to service.
				mith A&P369544480
			regore	South

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Entries must be endorsed with Name, Rating and Certificat Technician or Repair Facility. (See back pages for other sp	e Number of
	ionics, Inc. 3151 22-Jun S/N 34-7870	e-2018 W		R H4NR191N KIMBALL, MI 48074 H4NR191N DBBS 1701 0 -200T	Pg
ACCESSED	AVIONICS BU	JSS RFLAY	S. CLEANED	AND TENSIONED SPADE TERMINAL CONNECTIONS. TESTED A	ND VERIFIED

-	<del>                                     </del>			150 WITH AD 2005-13-16 (100 Hour INSPECTION) W
7-8-13	LEFT TACK	1720.9	Compt	TEO WITH AD COOS 13- TO [ TOO THAT !
	Accepance	E WITH	WOL	MANOMORY SOLVICE BULLETIN NO. 1123C. NO DEFECTS
	NOTED. NEW	or Due	LEFT 7	Acu: 1820.9 Homs.
	T-			
	_ <del></del>	— - <del>+</del> -		

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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Huron Avionics, Inc. 140 NORTH AIRPORT DR.. H4NR191N KIMBALL, MI 48074 H4NR191N LOG ID# 3222 04-October-2018 WO# 3424 N47815 S/N 34-7870004 PIPER PA-34-200T

Pg 1/1

UPDATED GARMIN GTN750/650 MAIN OPERATING SOFTWARE FROM VERSION 6.41 TO VERSION 6.50. TESTED AND RETURNED TO SERVICE.

I CERTIFY THAT THE ATC TRANSPONDER WAS TESTED AND INSPECTED AS PER FAR 91.413 I.A.W. PART 43, APPENDIX F. TRANSPONDER MAKE/MODEL:GARMIN GTX.33ES THE STATIC AND AUTOMATIC PRESSURE ALTITUDE REPORTING SYSTEMS WERE TESTED AND INSPECTED PER FAR 91.411 I.A.W. PART 43 APPENDIX E, PARAGRAPHS A AND C RESPECTIVELY TO: 20K FT.

I CERTIFY THAT THE ALTIMETER SYSTEMS WERE TESTED AND INSPECTED AS PER FAR 91.411 I.A.W. PART 43, APPENDIX E, PARAGRAPH B. ALTIMETER TESTED BY:HURON AVIONICS, INC. TO: 20K FT. DATE TESTED: OCTOBER 4, 2018.

Signed H4NR191N WILLIAM C MCKELVER

**10/12/2018** LH tach: 1822.8 N47815

Complied with 50hr inspection IAW SB 1123A per AD 05-13-16 table 1 item #12 IAW Pipers MM lubrication chart on nose gear assemble. Replaced RH wing tip light p/n H7604. I certify that this aircraft is airworthy and return to service.

Gregory E. Smith 369544480 IA

YEAR:	TOTAL TIME IN	Reference of Major Repairs and Major Alterations To FAA Form ACA-337 by Date, or to the Work Order by Number and the Approving Agency
2019	SERVICE	The state of the s
DATE		
2-18-19	LETT TAI	94: 1864.8 PLIGHT TACH: 1871.4 AMONING TOTAL TIME (LEFT TACH):
	6946.2.	PERFORMED ANNUAL INSAECTIQU IN ACCORDING WITH FIRM PASA-ZOOT
	1	MANUEL ALL CAR PART 43 ARPENDED D. THE FOLIANG MINTENNES WAS
	1 -	ED: WERECTED AMENING MO STANDENCE, INSPECTED AN GUART COMMONS,
	1	AN AMER'S. CHECKED AN CASIE TONSIONS. LUSINGUTED AN INVOES AMEN'S
		POWTS. INCRETED AN ELECTROCK, WIRING AND FLUID CARROLING LINES.
	INSPECTED	whose from the instrument flynger. Investore runder for he assentive
	AND FOLL	COO BRIME RESOLVOIR. CLEWED AND TROUTED AIR CLIBAS. INSPECTED SATTER
	And Born	THE BOO. INSPECTED AN EMOTION TESTED BUT POR FAR PART 91.201 (d) AND
	Found a	DOM. BY CATTOMY DUE MERCACEMENT OCTOBER 2020. INSMECTION AND SERVICES
	Lousera	GOM HOUND ANCE. INSPECTED AS FINCTION TESTED PREJUNTE DELCE SYSTEM
	ProPorte	AB WORLD SYSTEM AND BACKLIC WINDSCHOOM HOT PLATE FOR PROPER OFFICE THE
	INSPECTO	AND GINCTION TOSTED COMENTION HEATER ACCOUNTY INSPECTO LINDING COME,
]	with !	TINES AND BRANCES. INSTANCED NEW BRANG LINNAC PW: RAGE-06200 ( &
	Deca) W	WITHELD MAN CONDUCTURES 164 - 072-314-0 (2 EACH) ON LEST & RIGHT
ļ	MAWGE	in united so using sourcemble tubes. Pollowings Landwa about retinicion and

.

YEAR:	TOTAL TIME IN SERVICE	Reference of Major Repairs and Major Alterations To FAA Form ACA-337 by Date, or to the Work Order by Number and the Approving Agency
DATE	ļ	
	Energen	LY EXTENTION CHESIS THANKING BAKLES, CHETHER LANDING OWNE WA
	System	FOR PROPER OPERATION. CHECKED LANDING GERL PLASES POR PIPER 1454.
	Sewice	MANUAL. WASHED AND LUBRICATED LAVOUR GEAR. INSPECTED AND CLEWED
	STRAWE	S. INSTALLED NOW OIL PROTENCE SWITCH IN LEFT ENDING NACOLLE, CHE
		THAN BI-METERY 2019-04. COMPLIED WITH THE FOLLOWING ANS:
	2005-13	16 IN ACCORDING WITH PIPER SOURCE BREETIN NO. 1123C, PANGAN
	(0)(2)	50 Hour Lubrication And 100 Hours Inspection. So Hour Lubrication
•	DIS AT	LEST TACH: 1914. B Hours. 100 House INSPECTION NEXT DUE LEST TACH
	1964.81	forms. MAIONTHY BULT STACK-UP REPLACEMENT NEWT DIE LEFT TACK:
	2121.4	HOURS. NO OTHER NOW OR ACCUMUNG AD'S ONE AT THIS TIME AND DATE
	1 COUTIE	A THAT THIS ALRCHAFT HAS GOOVING PECTED IN ACCORDANCE WITH AN
	Annual	INSPECTION AND WAS BEDELINED TO BE IN AGRICULTUM CONDITION.
		2-1 MARY 325 847988 IA.
		No. of the second secon

YEAR:	TOTAL TIME IN SERVICE
NATE	<u> </u>
	on Avionics

Reference of Major Repairs and Major Alterations To

FAA Form ACA-337 by Date, or to the Work Order by Number and the Approving Agency

140 NORTH AIRPORT DR.. HANR191N KIMBALL, MI 48074 HANR191N 19-April-2019 WO# 3528 N47815 S/N 34-7870004 PIPER PA-34-200T

UPDATED GARMIN GTN750 AND GTN650 MAIN OPERATING SOFTWARE FROM VERSION 6.41 TO VERSION 6.51 T.A.W. GARMIN SOFTWARE SERVICE BULLETIN NUMBER 1879 REV A TO COMPLY WITH GARMIN MANDATORY SERVICE BULLETIN DATED OCTOBER 25, 2018. UPDATED FLIGHTSTREAM 210 FIRMWARE TO CURRENT VIA GARMIN PILOT. TESTED ALL AND RETURNED TO SERVICE.

Signed H4NR191N WILLIAM C MCKELVEY

7/16/2019 N47815 Left engine Tach 1974.6 Removed existing Insight G4 engine analyzer with all probes and wiring harness. installed JPI EDM 960 primary twin engine data management system, Installed IAW STC SA01828SE, see 337 dated this date. Replaced all fuel senders with overhauled units, right outboard P/N PS10013-6 S/N 191469, left outboard P/N PS10013-5 S/N 191488, right inboard P/N PS10013-5 S/N 192070, left inboard P/N PS10013-5 S/N 191599. The work on the Aircraft/component identified above was accomplished in accordance with the current Federal Aviation Regulations and is approved for return to AP 2725134 Matt Lahti service. -- END-

Left 19th 1999. 4 for bened ful load test of SALDIA 340 on buttery for yore THAN 2 HOUS Set PRINT CONFIGURE OPTIONS ON TPI 960: K-FACTORS, MAP ADJUST, HP CONSAINT, FESTER FOR EMI WIERFELONG-NOVE FOUND, Tin Fur, 2238721

YEAR:	A.D. NUMBER	TOTAL TIME IN SERVICE	Airworthiness Directives Chronological Listing of Compliance and Method of Compliance
DATE			
8-7-19	LEGT TAC	4: 2007.	6 RIGHT TACH: 2018.6 COMPLIED WITH AS 2005-13-16
	IN ACCOR	DANES WIT	4 PIPER SELVICE BULLETIN NO. 1123C BY MANDATORY NOSE
	GEAR BO	I STAL	UP REPLACEMENT. INSTALLED THE FOLLOWING PARTS: ANT-35
	(1 EACH)	AN960-	716L (2 EACH), ANGGO-716 (Z EACH), AN 320-7 (1 EACH)
	4229-08	S [ ] EACH	). SO HOW LUBRICATION NEXT DUE LEFT TACH: 2057.6 Hours.
	100 HOUR	INSPECTIO	N MEXOT DUE LEFT TACH: 2107.6 HOURS. 500 HOUR MANDATONY
	BOUT ST	CH-UP NE	NOT WE LEFT TACH: 2507.6 HOURS. PERFORMED LANDING GOM
w	RETRACTU	and And E	ETENSION THROUGH 6 CYCLES. INSTALLES NOW INFLATABLE
	DOOK SE	ar Hoses	ON FORWARD REAL DOOR AND MAN CASIN DOOR. RESERVED
	ALL SID	E WINDOU	ws.
-			En ( ) AN 385847988 IA.
	ł	1	· · · · · · · · · · · · · · · · · · ·

8/22/2019 N47815 Left Tach 2013.7 Replaced Precise flight pulse light module with new unit P/N 1210/2405-2A, S/N J 10231. Replaced existing landing and taxi lights with new LED landing lights on both wing tips and a landing light and taxi light on nose gear with Whelen Parmetheus Plus, landing light Model P36P1L, taxi light P36P1T. The work on the Aircraft/component identified above was accomplished in accordance with the current Federal Aviation Regulations and is approved for return to service. —END—

AP 2725134 Matt Lahti

•				
YEAR:	A.D. Number	TOTAL TIME IN SERVICE	Airworthiness Directives Chronological Listing of Compliance and Method of Compliance	
DATE				
12/ Rewit	eplaced bot h Mobil#28	Replaced	Condors 600X6-8. Cleaned, inspected and greased wheel bearings pressure pump with new Rapco 441CC-7, s/n C5036 and filter cerfity this aircraft to be airworthy and return to service.  Gregory E.Smith A&P369544480 IA  CUSTOMER  VARBANTY REQUEST  IMPORTANT!  This card must be completed and returned with non-returnable pump for warranty consideration.  Unit Installed RAP 441CC-7  Earl No. 5036	
	Mbdel Registration Tach Time	off	Date of Manufacture OCT 21.2019  Hrs. Date Installed  Hd: Date Removed  R. WARRANTY Parichased From	
	with	NOT BE RET	JRNED .	