

BOOK #1

REPLACE ELT BATTERY BY:

FEB '99

AIRCRAFT LOG



AIRCRAFT DESCRIPTION

Registration No. N8118Z

Model: PA-32R-301T Popular Name: Turbo Saratoga SP

Serial No.: 32R-8029013 Type Certificate No.: A350

Colors: _____ SEE WEIGHT AND BALANCE

Engine Manufacturer: Lycoming Propeller Manufacturer: Hartzell

Original Engine Model: TIO-540-S1AD Original Propeller Model: HC-E3VR-1RF

Serial Numbers: Single L-6231-61A Hub or Serial Number: Single F-M ~~52~~ K58A

Left _____

Left _____

Right _____

Right _____

Blade Numbers Model F7C73DRD

Left

Right

E52738 ~~E52737~~
E52730 ~~E52709~~
E52711 ~~E52733~~

A. D. No. and Date	Method of Compliance (See Log for Details)	Time on Aircraft	Date of Compliance	Signature and Certificate No.
80-24-03	AMMETER WIRING	180	4/15/81	Marie Charles 466-19-2264
80-14-03	RADIO RELAY DIODE	180	4/15/81	Marie Charles 466-19-2264
81-24-07	NOSE GEAR DOWN LOCK MODIFICATION	256.97	12-16-81	Marie Charles 466-19-2264
80-20-05	TURBOCHARGER TAIL PIPE	180	4-15-81	Marie Charles 466-19-2264
80-17-01	CHECK WASTEGATE FOR FREEDOM SOUND OK	353.2	10-20-82	Theresa J. Jones AP 150499
80-17-01	" " " Filled OK	45/3	3-24-83	Theresa J. Jones AP 150499
LSD Bottoming 79-1F-05 (A)				
80-17-01	checked wastgate For Freedom	619.5	6/19/86	Theresa J. Jones AP 189805
80-24-03	Smoke in Cockpit			P/c/w
81-21-07	LANDING GEAR DOWN LOCK			P/c/w

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Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
	Brought Forward →			
			I HAVE INSPECTED THIS AIRCRAFT AND ISSUED A STANDARD AIRWORTHINESS CERTIFICATE DATED <u>NOV 0 9 1979</u> I/A/W FAR 21.183(a) PER 21.273. <i>Jimmie A. Lanfair</i> FAA DOA SO-1	
			THE ALTIMETER AND STATIC SYSTEM TESTS REQUIRED BY FAR PART 91.170 HAVE BEEN PERFORMED. THE ALTIMETER(S) HAVE BEEN TESTED TO <u>35000</u> ON (L) <u>6-8-79</u> (R) <u>N/A</u> FT. SIGNED <i>Jimmie A. Lanfair</i> DATE <u>NOV 0 9 1979</u>	
			THE AUTOMATIC PRESSURE ALTITUDE REPORTING EQUIPMENT TESTS REQUIRED BY FAR PART 91.35 HAVE BEEN PERFORMED THIS DATE <u>10-22-79</u> SIGNED <i>Jimmie A. Lanfair</i>	
NOV 0 9 1979	<u>269</u>			
Total To Carry Forward		<u>269</u>		

The ATC Transponder Tests and Inspections required by FAR 91.177 were performed this date and found to comply with FAR 43, Appendix F.
1. Make <u>King</u>
2. Make _____
Details of this inspection are on file at this facility under S/N <u>8029013</u>
Q. A. Inspector <u>DATE 10-22-79</u>

Registration No. N8118Z

Maintenance

and Remarks

Signature

Certificate No.

The ATC Transponder Tests and Inspections required by FAR 91.177 were performed this date and found to comply with FAR 43, Appendix F.

1. Make King Model MT76A S/N 16529

2. Make _____ Model _____ S/N _____

Details of this inspection are on file at this facility under

S/N 8029013 Date 10-22-79

Q. A. Inspector Jimmie A. Lanfair

PIPER AIRCRAFT CORP.
VERO BEACH, FLORIDA

The ELT is installed per FAR 91.52. Battery replacement date 2-28-81

D. O. A. No. SO-1
Piper Aircraft Corp.

autopilot flight tested this date 12-19-79
and accepted V.L. Cassey Piper Aircraft Corp.

DE
FIRE

Date	Aircraft Time		Recorder Reading	Maintenance	and Remarks
	This Date	Total			
	Brought Forward →				
1/28/80	TACH	48.64			
	Installed turn coordinator S/N 798-250				
	Wayne H. Scott AEP 4/652/4648				
8/8/80	TACH	150.58 HRS.			
	REPLACED DIRECTIONAL GYRO S/N 93192 F WITH NEW				
	DIRECTIONAL GYRO S/N 96649 G. <i>Jan</i> APP 462060896				
Total To Carry Forward					

Registration No. N8118Z

Maintenance	and Remarks	Signature	Certificate No.
	3/31/81 TACH 180 HRS ACCOMPLISHED REPAIRS TO AIRFRAME. SEE FAA FORM 337 THIS DATE. <i>Tom J. J. J.</i> #P1999752		
	4/15/81 TACH 180 HRS CLEANED & PACKED WHEEL BEARINGS. LUBED GEAR & ALL HINGE POINTS. SERVICED BATTERY, BRAKES, TIRES & HYD SYSTEM. CHECKED GEAR RETRACTION. CHECKED THE CONTROLS, CABLES, LINES & WIRING. REPLACED VACUUM ^{REG.} FLIGHT FILTER & GYRO CENTRAL AIR FILTER. SEE FRONT OF LOG FOR AD COMPLIANCE . A/C INSPECTED <i>W</i> PIPER INSP CHECKLIST.		

This Date	Total	Reading	Maintenance	and Remarks
12-12-81	Brought Forward → 251.2	253.4	ANNUAL INSPECTION COMPLETED	7
			ANNUAL & INSPECTION WORK-SHEET.	
			REPLACED GASKET ON RT. WING TANK	
			BUSHINGS IN RT. MAIN GEAR DRAG LEG	
			SISORS. INSTALLED NEW E.B.T. BATTER	
			LININGS BOTH MAIN GEARS. REPACK	
			INSTALLED NEW TYE DOWN RING RT. SI	
			A/C BATTERY, BRAKE RESIVOR AND LANDIN	
			A.D. NOTE 81-2407 DUE AT TACH READING OF	
Total To Carry Forward				

Registration No. _____

Maintenance	and Remarks	Signature	Certificate No.
SECTION COMPLETED THIS DATE AS PER PIPER PA 32R-301T MAINTENANCE	SECTION WORK-SHEET. REPLACED RT. MAIN TIRE WITH NEW 6X6-8PLY TIRE.		
ET ON RT. WING TANK FUEL TRANSMITTER. INSTALLED NEW INNER PIVOT	RT. MAIN GEAR DRAG LEG. INSTALLED NEW BUSHINGS IN LT. TOP MAIN GEAR		
LED NEW E.B.T. BATTERY NEW DUE DATE OCT. 83. REPLACED ALL BRAKE	MAIN GEARS. REPACKED ALL WHEEL BEARINGS, LUBRICATED ALL THROUGHOUT.		
TYE DOWN RING RT. SIDE, REPAIRED SCREW HOLE IN REAR CABIN DOOR. SERVICED	KE RESIVOR AND LANDING GEAR MOTOR. ADJUSTED MICRO SW. FOR AUTO EXTENSION.		
DUE AT TACH READING OF 353.4	DATE 12-12-81 TOTAL TIME 251.2 HOURS, TACH READING 253.4		
	I certify that this aircraft has been inspected in accordance with		
	an ANNUAL inspection and was determined to be in airworthy		
	condition.		
		Therese Johnson	
		Charlotte Johnson A&P #1564090 I. A.	

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
	Brought Forward →			
12-16-81	TACT-256.97			Complied with AD 81-24-07 AND S.L. 927. Installed NEW Bolts and washed ON NOSE GEAR, from PIPER kit # 764-135V. PERFORMED RETRACTION TEST function ok.
				Maxie Charbo 466-14-2264
Total To Carry Forward				

Registration No. W8118Z

aintenance

and Remarks

Signature

Certificate No.

81-24-07

Washed

L-135V.

OK.

-2264

ATC Transponder Tests required by FAR 91.177 were performed 2/4/82 and complies with FAR 43, Appendix F. ATC Trans KF-76A/N 16528 Details of this inspection on File at this Repair Station under W/O # 22713 Date 2/4/82 Cert. No. 2256813 Sig. J. Caruso Avionics Associates CRS #203-1 El Paso, Texas

Static System Tests required by FAR 91.170 were performed and complies with FAR 43, Appendix E. Details of this inspection on File at this Repair Station under W/O # 22713 Date 2/5/82 Sig. Warren

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
6-29-82	Brought Forward →		321.79	REPAIRED REAR
DOOR LATCH.				THORLEIF JULIUSSEN A/P 1564090
10-20-82	TACH 355.5			ANNUAL INSPECTION COMPLETED THIS
DATE AS PER PA 32R 301T M. MANUAL & INSPECTION WORK SHEET.				
A/C LUBRICATED THROUGHOUT				RAN RETRACTION CK. & PREPAIL
CK. OPERATION NORMAL.				REPLACED SECTION OF WIRE IN
LEFT WING DUE TO AN OPEN CONNECTION TO FLAP DOWN.				STALL WARNING SW. TIGHTENED RT. FUEL TANK INTERCONNECT
HOSE CLAMP AT INBD TANK.				REPAIRED BAD WIER CONNECTION
AT ENGINE CLUSTER INSTRUMENT LIGHTS.				RESEALED & BLED
Total To Carry Forward				RT. BRAKE HOUSING. CONT. NEXT PAGE

Registration No. _____

Maintenance	and Remarks	Signature	Certificate No.
REAR	ANNUAL CONT. -		
1990	DATE 10-20-82 TIME 355.5 TACH. PREVIOUS 353.2		
COMPLETED THIS	I certify that this aircraft has been inspected in accordance with an <u>ANNUAL</u> inspection and was determined to be in airworthy condition.		
WORK SHEET.		Thorleifur Juliusson	
& PREPAIL		Thorleifur Juliusson A&P #1564090 I. A.	
E IN		Julie's Aircraft Service, Inc.	
DOWN		El Paso, TX. 79925	
INTERCONNECT	3-24-83 TACH 451.3 ANNUAL INSPECTION COMPLETED		
CONNECTION	AS PER PA 32R 301T M. MANUAL & INSPECTION WORK SHEETS		
TO & BLED	RAN RETRACTION CK. REWIND RT. MAIN TIRE. REPLACED LANDING		
	LIGHT LAMP. INSTALLED NEW INSP. PLATE ON BOTTOM OF FUSPLAGE		
	ELT. BATTERY DUE OCT. 1983. REPLACED HOSE FROM VACUUM		

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
3-24-83	Brought Forward →	453.8	451.3	ANNUAL INSP. CONT.
	FOR A.D. NOTE LISTING SEE A.D. NOTE PAGE IN FRONT OF THIS BOOK			
	DATE 3-24-83	TIME 453.8	HOURS TACH READING 451.3	
	I certify that this aircraft has been inspected in accordance with an <u>ANNUAL</u> inspection and was determined to be in airworthy condition.			
			Thorleifur Juliusson A&P #1564090 I. A.	
			Julie's Aircraft Service, Inc.	
			El Paso, TX. 79925	
Total To Carry Forward				

Registration No. _____

enance

and Remarks	Signature	Certificate No.
3/29/83 Removed KR-87 & H/F Sys. Now w/ 15 computer this date & compass was saving & corrections made accordingly	Date 3/29/83 The Aircraft and/or owner's signature 2298002 Avionics Assoc. El Paso, Texas	229863 Removed
2298002 Avionics Assoc. CRS-203-1		
5-2-83 TACH. 484.7 REPLACED VOLTAGE REGULATOR & INSTALLED NEW A/C BATTERY.	Thorleifur Juliusson A.P. 1564090	

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
	Brought Forward →			
Date: <u>5/6/83</u>; The Aircraft and/or component identified on W.O. # <u>25012</u>, on file at CRS-203-1, was (Repaired), (Bench Checked), (Overhauled), (Replaced), (Installed), and inspected in A/W current regulations of the Federal Aviation Administration and was found worthy for return to service. Cert. # <u>2298002</u> Sig. <u>[Signature]</u> Avionics Associates, CRS-203-1 El Paso, Texas <u>5/6/83</u> Calibrated VOR's and checked avionics equipment meets mfg. specs. <u>[Signature]</u> <u>2298002</u> Avionics Assoc CRS-203-1 El Paso TX				
Total To Carry Forward				

6/9/54

Case 1

Pt 1. G

Insp.

Ice

34 A

Registration No. _____

Maintenance

and Remarks

Signature

Certificate No.

6/19/84 Replaced Rt MLG Tire, Replaced BLT Batt (MAR 86), Replaced
Nose wheel bearings, Mag. Compass serviced, C/w PAC S/B 703

Pt 1. Greased 366 bearings, performed gear oper. check. A/C

Insp. IAW PAC maint. Manual	Tach Time 619.55
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I certify that this A/C has been Inspected I/H/S

an Annual Inspection & found to be Airworthy

H. McNamee IA1898905

BECKETT - HOUSTON

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance	and Re
	This Date	Total			
	Brought Forward →				7/27/85
7/27/85	TACH 734.15 COMPLETED 100HR INSPECTION THIS				Has been
	DATE AS PER ALTAIR AVIATION INSPECTION FORM.				100 HR
	CLEANED, CHECKED, + LUBED ALL ROD END				AIR
	BEARINGS, PULLEYS. CHECKED ALL CONTROL CABLES,				7/27/85
	PERFORMED LANDING GEAR RETRACTION TEST. RE-				comp
	PLACED O-RINGS IN FRONT LANDING GEAR				check
	ACTUATOR. RE PACKED ALL WHEEL BEARINGS;				check
	CLEANED + GREASED LANDING GEAR REPLACED				
	ALL BRAKE PADS. REPLACED RH BRAKE BACKING				
Total To Carry Forward		+ PRESSURE PLATES END. Don't filling ANP310660316			in a

Registration No. _____

Maintenance	and Remarks	Signature	Certificate No.
SECTION THIS	7/27/85 TACH 734.15 I CERTIFY THIS AIRFRAME		
ATION FORM.	HAS BEEN INSPECTED IN ACCORDANCE WITH A		
END	100 HR INSPECTION AND WAS FOUND TO BE IN		
ROL CABLES,	AIRWORTHY CONDITION. END Don't filling ANP310660316		
TEST. RE-	7/27/85 TACH 734.15 TIAF 734.15 Annual insp		
- GEAR	completed this date removed all inspection panels		
ARINGS;	checked control cables, pulleys, and surfaces.		
REPLACED	checked electrical systems landing gear instruments		
RAKE BACKING	I certify that this aircraft has been inspected		
ANP310660316	in accordance with an Annual Inspection (cont)		

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
	Brought Forward →			
and found to be in an Airworthy Condition, and is approved for return to service, James D Brown A-1492980 IA				

TRANSPONDER CERTIFICATE
 Airtronics, Inc. 612-228-1137 St. Paul Downtown Airport
 FAA CRS C14-53 St. Paul, Minn. 55107

Performed transponder test required by FAR 91.172
 and FAR 91.36 (b) in accordance with AC 43-6 and FAR 43 APP.F.
 Transponder Model KT 76A SIN 16529

The aircraft and/or component identified hereon was repaired and in-
 spected in accordance with current federal air regulations and was found
 airworthy for return to service.

Date 9-13-85 W.O. 1569 Signed Paul W Zemke

Carry Forward

Registration No. _____

enance

and Remarks	Signature	Certificate No.
EXHIBIT TESTED AS REQUIRED BY FAR 91.171 FAR 43, APPENDIX E DATA (A) PILOTS <u>R 3564</u> S/N. TESTED TO <u>26,000</u> FEET DATE <u>9-13-85</u> CRSC 14-20 <u>Sanborn aviation</u> <u>Paul W Zemke</u>	STATIC SYSTEM TESTED AS REQUIRED BY FAR 43, APPENDIX E, PARA (A) DATE <u>9-13-85</u> CRSC 14-20 <u>Sanborn aviation</u> <u>Paul W Zemke</u>	
9-26-85 tack 802 installed complete new ^{exchange} hyd pump assy + motor for landing gear system, run gear bleed system & check operation system ran normal. <u>Sanborn aviation</u> <u>CRSC 14-20</u> <u>Paul W Zemke</u>		

of ALTAIR AVIATION, LTD.

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
	Brought Forward → 4-4-86	Tach 883		installed/repairs wastegate and new throttle control cable see 337 form for wastegate repair. Sanborn aviation 685914-20 Paul W. Zempel
Total To Carry Forward				

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Aug 22
J
Service
Notes
Note
also
A Boston
Pilot

Registration No. _____

Maintenance	and Remarks	Signature	Certificate No.
repaired see 337 tion Zempel	Aug 22, 1986 TACH 929. Hrs Installed New EGT BAT. See 7-88, CUBB All Controls Service Landing Gear, Gear Retract - OK - Checked All AO Notes thru 80-13, All Routine Maintenance Accomplished		
	"Note" Act mlg Pivot Bag's outboard Draglink Rod END AND A Bushing for Inboard Draglink Pivot Point on "ORIGIN"	DATE 8-22-86 TACH 929. Hrs I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A ANNUAL INSPECTION AND FOUND AIRWORTHY. DENNIS CONLIN A & P 475666803 AI Dennis Conlin	

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
3-22-87	Brought Forward →		1043. Hrs	
Installed New Pivot Bag's in Left mlg Trunnions.				
Installed New Side Brace Rod End and Pivot Pin				
Bushings in Left mlg. Gear Retract - OK -				
5-7-87	Tach 1090		Dennis Conlin	
installed new left brake disc replaced A & P 47566803				
brake cyl & new lining installed and born aviation				
CNS 5-14-80				
Paul Wizenke				
Total To Carry Forward				

Registration No. _____

ance	and Remarks	Signature	Certificate No.
S.	Sept 3, 1987 TACH 1172. Hrs	AC Total Time	1172. Hrs
	QW AD 86-11-01 I/AW SB 11BA Installed P. per Kit 705-186		
	Replace BRACE linings on Rt Side, Service & Charge Battery		
	Gear Retraction OK, Checked All AD Notes Thru 87-17 Hrs		
	All Routine maintenance Accomplished -		
	DATE Sept 3 1987 TACH 1172. Hrs		
	I CERTIFY THAT THIS AIRCRAFT		
	HAS BEEN INSPECTED IN ACCORDANCE WITH A		
	ANNUAL INSPECTION AND FOUND AIRWORTHY.		
	DENNIS CONLIN		
	A & P 47566803 AI		
	Dennis Conlin		

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
	Brought Forward →			
I certify that the altimeter and static pilot system test required by FAR 91.171 have been performed. The altimeter has been tested to <u>25000</u> ft. and the automatic pressure altitude reporting to <u>55000</u> ft.			Performed inspection required by FAR 91.172 in accordance with procedures outlined in appendix E and F of FAR 43. C.R.S. 3476 <u>King</u> / <u>18264</u> / <u>16529</u> Make Model Serial No.	
AIRCRAFT ELECTRONICS Sanborn Hangar St. Paul Downtown Airport St. Paul, MN 55107 (612) 228-0823 C.R.S. 3476 <u>Charles Rothmeier</u> , <u>9-11-87</u> Charles Rothmeier #2364642 Date			AIRCRAFT ELECTRONICS Sanborn Hangar St. Paul Downtown Airport St. Paul, MN 55107 (612) 228-0823 <u>Charles Rothmeier</u> , <u>9-11-87</u> Charles Rothmeier #2364642 Date	
Total To Carry Forward				

6-9-88
Kattappa

aintenance

and Remarks

Signature

Certificate No.

DATE	TIME	LOCATION	REMARKS
6-9-88	1302	INSTALL NEW RT FUEL & OIL LINE	
		BATTERY DISCONNECT	
		2 INCH DIA. ANTI-ICE	
		5/8" DIA. FUEL LINE	

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
9-20-88	Brought Forward →		1377. Hrs ← AC T.T	
Installed New Blacume Filters, Replaced Rt Inboard Fuel Sender GASICOF				
Installed New Narco ELT Battery, Gear Retraction - OK				
Checked AD Notes TACU 88-16, All Routine Maintenance				
Accomplished -				
			DATE 9-20-88 TACK 1377. Hrs	
			I CERTIFY THAT THIS AIRCRAFT	
			HAS BEEN INSPECTED IN ACCORDANCE WITH A	
			ANNUAL INSPECTION AND FOUND AIRWORTHY.	
			DENNIS CONLIN A & P 475666803 AI	
			<i>Dennis Conlin</i>	
Total To Carry Forward				

3-27-89
on prop
checked
installed
D-1-89
with PA
Reservoir.
nut. tight
center
and left
Con

Registration No. _____

Maintenance	and Remarks	Signature	Certificate No.
GASICOF	3-27-89 Tach 142.6 installed Kartop prop after compliance on prop AD 77-12-06. and overhauled also ground run & checked ok. & Paul W Zempel		
	installed new elevator trim cable 1486274 A&P IA.		
HAS	D-1-89 Tach 1492.97 hours Completed Annual Inspection in accordance with PA32R-30TT Service Manual. Serviced Brake Reservoir, Hyd. Reservoir. charged & Serviced Battery. Tightened Lt Gear Rod End jam nut. tightened bolt on Shimmy dampner, flap Belcranks. Replaced center Right Cabin overhead Lamp. Stop drilled cracks in stab tips and left wing tip. Tightened Lt. & Rt. Fuel transmitter Bolts.		
WORTHY,	Cont. Next	PAGE	

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AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
1D-1-89	Brought Forward →	Continued		Retorqued Left wing Aft Attach Bolt. Replaced VAC. Relief Filter Installed Battery Drain Line. END
I certify that this AC/Eng. has been inspected in accordance with a <u>Annual</u> inspection & has been found airworthy. Sig. <u>James B. VanDerBroek</u> Cert. # <u>IA 394705488 A/P</u>			AVIATION MAINTENANCE, INC. 800 Bayfield Street St. Paul Downtown Airport St. Paul, MN 55107 612/224-4614	
11-17-89	1519			reinstalled repaired manifold & fuel flow gage & EGT gage. This date see maintenance record in shop log book. <u>reinstall avionics</u> <u>CRS KP5R996M</u> <u>Paul VanDerBroek</u>
Total To Carry Forward				

and Remarks

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David
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St. Paul
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Shop

Registration No. _____

Maintenance

and Remarks

Signature

Certificate No.

Aft Attach
g Drain

EGT

ALTIMETER & STATIC

I CERTIFY THAT THIS ALTIMETER & STATIC SYSTEM COMPLIES WITH FAR 91.171 IN ACCORDANCE WITH PROCEDURES OUTLINED IN APPENDIX E OF FAR 43. ENCODING EQUIPMENT CONFORMS TO FAR 91.38.

WO 5112 AIRCRAFT # N8118Z

ALTIMETER #1 Certified to 20,000 Ft.

ALTIMETER #2 Certified to _____ Ft.

ENCODER #1 Certified to 20,000 Ft.

ENCODER #2 Certified to _____ Ft.

David B. Van Der Broek 11/30/89
Authorized Inspector Date

RC AVIONICS, INC.

St. Paul Downtown A/P
FAA CRS ☒

Fleming Field
FAA CRS ☒

Anoka County Airport
FAA CRS ☒

☒
Check indicates
Shop of Origin

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Check indicates
Shop of Origin

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Check indicates
Shop of Origin

CRS KP5R996M

TRANSPONDER

I CERTIFY THAT THIS TRANSPONDER COMPLIES WITH FAR 91.172 IN ACCORDANCE WITH PROCEDURES OUTLINED IN APPENDIX F OF FAR 43.

WO 5112 AIRCRAFT # N8118Z

#1 KING KT-76A 16529
Make Model Serial No.

#2 _____
Make Model Serial No.

David B. Van Der Broek 11/30/89
Authorized Inspector Date

RC AVIONICS, INC.

St. Paul Downtown A/P
FAA CRS ☒

Fleming Field
FAA CRS ☒

Anoka County Airport
FAA CRS ☒

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Check indicates
Shop of Origin

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Check indicates
Shop of Origin

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Check indicates
Shop of Origin

CRS KP5R996M

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance	and Remarks
	This Date	Total			
	Brought Forward →				
11/30/89	REMOVED TRANS-CAL D120-P2-T SIN 53117				Dec. 4-89
	AND INSTALLED NEW TRANS-CAL ENCODER PIN 55D120-20 SIN 10489				& Hartzel
	AND TESTED AS PER WIO 5112				Service.
11/30/89	REMOVED TURN COORDINATOR PIN 1394T100 (72)				12-8-89
	AND INSTALLED LOANER PIN 1394T100 (72) SIN 11-224				137000
	AS PER WIO 5112.				137000
				David R. Van Den Bruck	
				CRS KP5R996M	3-9-90 Tach
Total To Carry Forward					4-2-90 Tach
					of Zero f
					0 Amm

Registration No. _____

Maintenance	and Remarks	Signature	Certificate No.
INSTALLED 10489	Dec. 4-89 Hartzel Impeller S/N FM-52 Inspected Per AD 89-22-05 & Hartzel Bulletin #165. 1160 Cracks Found, OK for Return to Service. K&N Hartzel A/E 90264-41	Dated (10-20-89) P/O #88728.	
11-224	12-8-89 Tach 1524 Back A/C run good up to hook on 137000 down right on. could not duplicate but down back over over center area 1000 side 2 wings A/C front section	CRS KP5R996M	
	3-9-90 Tach 1564. hours Replaced left tire Duane D. Dinsmore	CRS KP5R996M	
	4-2-90 Tach 1575.96 C/w AD 89-22-05 S.B. #165 by Visual Insp with 10 power glass of Zero fitting Area of Prop Hub. Due Each 50 hour or at this time Duane		

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
7-17-90	Brought Forward Tach 1636.94	hour	Complied with S.B. 165, AD 79-22-05 by Visual Insp of Prop Hub in area around grease Zerc's using 10 power glass OK at this time	
	Duane O Ameson	IP 394705488 ADP		
7-30-90	Tach 1646.52	hours	Replaced Bendix Ig. Switch ground run up Normal.	
	Duane O Ameson	394705488 ADP		
7-14-90	Tach 1692.7		inspect prop hub around grease zerks for cracks. Part 16-AD 89-02-03 50A 164 No cracks due each Proportavation CTS YRTR-826K	
	50 hrs.		Paul W Ziemke	
Total To Carry Forward				

and Remarks

10-19-90
left main

11-6-90 Tach
Service M
Right Br
Drag Lin
tightened
ELT Battery
7w AD 7
OK at this

Registration No. _____

Maintenance

165, AD
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time

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and Remarks	Signature	Certificate No.
10-19-90 Tach 1720 installed new inboard fuel quantity transmitter left main fuel tank leak checks OK.	Report written CTS YRTR-826K Paul W Ziemke	
11-6-90 Tach 1726.93 hours Completed Annual Insp. in accordance with PA32R30TT Service Manual. Replaced Nose tire and tube, Left and Right Brake Pads, Right Brake Disc. Resealed Left & Right Brake Calipers. Tightened MLC Drag Link Rod End Bolts, tightened & Saftied center torque Link Bolts & Saftied tightened Right Fuel Sender Bolts. Serviced Brake & Hyd. Res. Serviced Battery. Replaced ELT Battery Next Due Aug. 1992.		
7w AD 79-22-05 Insp. of Prop Hub		
OK at this time.		

I certify that this AC has been inspected in accordance with a ~~Manual~~ ^{Manual} inspection & has been found airworthy.
Sig. Duane O. Ameson
Cert. # TR. 394705488 ADP

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance	and Remarks
	This Date	Total			
	Brought Forward →				
	8-12-91	Tach 1810			
	install new EIS T gage and check calibration regent aviation CRS VPR-826K Paul W Zemke				
Total To Carry Forward					

ALTIMETER

I certify that fully or in part FAR 91.411, FAR 91.413, FAR 91.217, FAR 43 appendix E/F and AC 43.6A.

WORK OF AIRCRAFT

ALTIMETER #1 ID
ALTIMETER #2 ID

ENCODER #1 ID
ENCODER #2 ID

TRANSPONDER #1 SN
TRANSPONDER #2 SN

Gene Z
AUTHORIZED
RC AVIONICS
ST. PAUL

Registration No. _____

Maintenance

and Remarks

Signature

Certificate No.

ALTIMETER REPORTING SYSTEM

I certify that these system components comply, fully or in part as indicated, with the following: FAR 91.411, FAR 91.413, FAR 91.217, FAR 43 appendix E/F and AC 43.6A.

WORK ORDER: 8084
AIRCRAFT #: N8118Z

ALTIMETER #1 ID RC SN 0084 CERTIFIED TO: 20000
ALTIMETER #2 ID — CERTIFIED TO: —

ENCODER #1 ID 510489 CERTIFIED TO: 20000
ENCODER #2 ID — CERTIFIED TO: —

TRANSPONDER #1 SN 16529 MANUFACTURER: KING
TRANSPONDER #2 SN NA MANUFACTURER: —

Gene Z
AUTHORIZED INSPECTOR DATE: 11-20-91

RC AVIONICS FAA CRS KP5R996M
ST. PAUL DOWNTOWN AIRPORT

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
12-10-1991	Brought Forward →	Totals 1872.61	Completed Annual inspection	
			IN ACCORDANCE with Piper PA-32R-301T Service manual, Replaced vacuum pump S/N 211CC, & Compression fittings S/N D-9-41 #B3-S-1. Replaced vertical fan bearing S/N 99621-000. Replaced RT main tire with Goodyear 600x6	
			8ply FTHSault J. Replaced Left Brake Disc. S/N 104-46. Replaced wing walk	
			Serviced all STENTS. Servicing Battery, Ground Run-up NORMAL. Checked	
	AD'S: TWR 12-02-91m.		I certify that this AG/Eng. has been inspected in accordance with a Annual inspection & has been found airworthy.	
	AVIATION MAINTENANCE, INC.		Sig.	
	800 Bayfield Street		Cert.# ...	
	St. Paul Downtown Airport			
	St. Paul, MN 55107 612/224-4614			
Total To Carry Forward				

1-3-92 T.

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Registration No.

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Maintenance	and Remarks	Signature	Certificate No.
Inspection Replaced 3-5-1. Replaced Engine 60006 has wing walk #1 checked Eng. has been with a Annual found airworthy. 1459140	1-3-92 Tach 1874.85 hours Removed and Replaced Fuel Flow / Manifold Pressure gauge for Repair ground run up Normal No Leaks Found. Duane Johnson JA 39470548 AP		
	3-3-92 TACH. 1906.27 Compliance with Hartzell AD - 89-22-05 for cracks @ Zinc area Per 8/13 165 No cracks Sawing OK @ Tach Time - Chk Tom JA 464618005 AP		
	8-7-92 Tach 2000: Replaced instrument panel lights dimmer & switch. Rexel L Hailey AP 1459140		

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
10-7-92	Brought Forward	2029.00 hours		Replaced Left Fuel Gauge
				P/N 584-033. Rt. Floor trim plastic, Aft Baggage door
				Bumper Stop. and Pilots Seat gas spring. ground run
				Normal. Duane O. Quisenberry IA 394705488A & P
1-4-93	Tach	2044.22 hours		Completed Annual Inspection in
				accordance with A132R-301T Service Manual. Replaced
				ELT Battery Next Due FEB 95 ops checked good. Serviced
				All 3 Struts with 5606 Nitrogen, tightened Top & Bottom torque
				Link Bolts on Rt MLG, tightened Shimmy dampener Bolt, Replaced
				Clevis Pin on Nose tire. Cont.
Total To Carry Forward				Next Page

and Remarks

1-4-93

% AD 89-

OK @ this

I certify inspected inspection Sig. Duane O. Quisenberry Cert. # IA 394705488A & P

7-21-93

from GT

Registration No. _____

Maintenance	and Remarks	Signature	Certificate No.
el Gauge	1-4-93 Cont. Serviced Battery, Hyd. Res., and Brake Res.		
age door	% AD 89-22-25 by Visual Insp. of Prop Hub @ zero. per S/B 165		
ground run	OK @ this time. ground runs Normal.		
	I certify that this AC/Eng. has been inspected in accordance with a Annual inspection & has been found airworthy.		
	Sig. Duane O. Quisenberry		
	Cert. # IA 394705488A & P		
pection in	7-21-93 New Battery Installed, DEKA Brand		
Replaced	from GT Parts Co. St. Paul MN		
Serviced		Royd Rogers	
Bottom torque			
olt, Replaced			

AIRCRAFT LOG

ST. PAUL FLIGHT CENTER
270 Airport Rd.
St. Paul, MN 55107
612-227-8108

Total To
Carry Forward

Aircraft Time
This Date Total Recorder Reading Maintenance

7-31-93

Brought
Forward →

Tach 2072 - Repaired A/c by replacing
following new factory parts: 1ea 071-1098-000 antenna,
1ea 65119-000 fuselage, 1ea 68674-000 brakeassy, 1ea 68676-000
brake assy, 1ea 68606-000 channel, 1ea 68014 step, 1ea
69106-000 frame assy, 1ea 69897-900 skin, 1ea 68603-000
skin, 1ea 68602-001 skin, 1ea 67554-000 fairing, 1ea
68609-000 hat assy, 1ea 99471-002 skin LH & 1ea SADF
14/28 strobe. All work accomplished in accordance
with Piper Manual & AC 43.13-1A.

Ronald L. Harcey
A/P 1459/40IA

and Rema

8-18-93

S/N L

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9-7-93

S/N

A/P

Registration No.

Maintenance

and Remarks

Signature

Certificate No.

8-18-93 Tach 2079: Replaced voltage regulator. Installed
S/N L-895. Ground Run OK. Ronald L. Harcey

ST. PAUL FLIGHT CENTER

270 Airport Rd.

St. Paul, MN 55107

612-227-8108

9-7-93 Tach 2085: Removed alternator S/N 4M 000043 & installed
S/N A88824. Ground run OK. Ronald L. Harcey

A/P 1459/40

ST. PAUL FLIGHT CENTER

270 Airport Rd.

St. Paul, MN 55107

612-227-8108

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
9-22-93	Brought Forward →	Tach 2099.1		Revealed nose gear retract actuator, C/W AD 93-05-10 Engine mount inspection per ^{Paper} SB 955 dated 3-3-92 Parts I+II. No cracks this date. Parts on order for Part II. C/W Lgc AD 93-05-22 Inspection of fuel injection lines. OK this date. AD 93-02-05 N/A -
		Ronald J Harey		ST. PAUL FLIGHT CENTER 270 Airport Rd. St. Paul, MN 55107 612-227-8108
		ATP 1459140		
Total To Carry Forward				

and Remarks

Tach 2099.1

9-23-93

Current

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Mpls, MN

11-12-93

Par (b)

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Registration No. _____

Maintenance	and Remarks	Signature	Certificate No.
car	Tach-2099.3		
Engine	9-23-93 Inspected propeller hub, S/N-FM-52 with eddy		
3-3-92	current & visually to comply with AD 93-16-14 eff. 8-18-93 in		
Parts	accordance with Hartzell Bulletin 165D, Maxwell Aircraft Service, Inc.		
1-05-22	Mpls, MN, Repair Station No. UFBAIL, Repair Order No. 94214.		
With	Frank Handerson ATP 1041536		
	11-12-93 Tach 2113.9 : C/W AD 93-05-10, Eng mount inspection		
	Par (b) By installation of Piper Kit 766-252, Box gear Retraction.		
	Ronald J Harey ATP 1459140		
		ST. PAUL FLIGHT CENTER 270 Airport Rd. St. Paul, MN 55107 612-227-8108	

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance	and Remarks
	This Date	Total			
ALTIMETER REPORTING SYSTEM I certify that these system components comply, fully or in part as indicated, with the following: FAR 91.411, FAR 91.413, FAR 91.217, FAR 43 appendix E/F and AC 43.6A. WORK ORDER: <u>13385</u> AIRCRAFT #: <u>81182</u> ALTIMETER #1 ID <u>13385</u> CERTIFIED TO: <u>20K</u> ALTIMETER #2 ID <u> </u> CERTIFIED TO: <u> </u> ENCODER #1 ID <u>510489</u> CERTIFIED TO: <u>20K</u> ENCODER #2 ID <u> </u> CERTIFIED TO: <u> </u> TRANSPONDER #1 SN <u>16529</u> MANUFACTURER: <u>KT-76A</u> TRANSPONDER #2 SN <u> </u> MANUFACTURER: <u> </u> DATE: <u>12/1/93</u> RC AVIONICS FAA CRS KP5R996M ST. PAUL DOWNTOWN AIRPORT					
Carry Forward					

12-10-93

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1-18-94

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~~11-19-93~~

Registration No. _____

Maintenance

and Remarks	Signature	Certificate No.
12-10-93 Tach 2115: Replaced central vac filter. Replaced Rt Main Tire Ronald L Harcey ATP1459140		
1-18-94 Tach 2118: Removed D/S. Overhauled by Midwest A/C Inst. Reinstalled. Ground Run OK. See Maint. Released dated 1-10-94. Ronald L Harcey ATP1459140		
ST. PAUL FLIGHT CENTER 270 Airport Rd. St. Paul, MN 55107 612-227-8103		
11-19-93		

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance	and Remarks
	This Date	Total			
2-4-94	Brought Forward →	Tach. 2120.20 hours.		Completed Annual inspection	3-22-94
				IN accordance with Paper PA-32R-301T Service manual. Repairs	on Hub
				RT, Fuel Drain, Tighten Clamps @ Fuel inlet connection (EPT & RT)	165E. Ins.
				Tighten Jam nut @ Right Aileron Bell crank. Stop drill cracks	Found. M
				@ Wing Tips. AD 93-16-14 Prop Hub Due @ 2149.3 hours. Check	Station No. 2
				Hyd Res & Brake Res. Grounds Ramp manual	Next ins.
				I certify that this AC/Eng. has been inspected in accordance with a <u>annual</u> inspection & has been found airworthy.	
				Sig. <u>[Signature]</u>	
				Cert. # <u>FAA 1508.811</u>	
Total To Carry Forward					

Registration No. _____

Maintenance	and Remarks	Signature	Certificate No.
inspection	3-22-94 Tach 2145.77 Complied with AD 93-16-14 eff. 1-5-94		
al. Repairs	on Hub Ser. No. FM-52 in accordance with Hartzell Bulletin		
(EPT & RT)	165E. Inspected visually & with eddy current. No indications		
Drill cracks	Found. Maxwell Aircraft Service, Inc, Mpls, MN. Repair		
-- check	Station No. 4F2R3114, Repair Order No. 95478.		
	Next inspection due 2195.77	Cowd E. Maxwell	2386511
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AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
6-22-94	Brought Forward →			Removed Bendix Radar
				System. Installed WX900 Stormscope - TNC2000T -
				MD40-62 cot / certification Applied for for IFR on GPS.
				Weight & Balances updated - Equipment list update. See 337
				forms this date. Equipment does not exceed carrying capacity
				of Aircraft. Thomas J. Bauer (Cumberland, WI)
				CRS QIQR001J
Total To Carry Forward				

727-94
on hub 5
165E. In
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Station No
Next insp
8-16-94
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Registration No. _____

Maintenance	and Remarks	Signature	Certificate No.
RADAR	727-94 Tach 2192.77 Complied with AD 93-16-14 eff 1-5-94		
TNC2000T -	on hub Ser. No. FM-52 in accordance with Hartcell Bulletin		
on GPS.	165E. Inspected visually & with eddy current. No indications		
See 337	Found. Maxwell Aircraft Service, Inc, Mpls, MN, Repair		
ing capacity	Station No. WE2R2112, Repair Order No 96016.		
and, WI)	Next inspection due 2247.77	Conrad T. Maxwell	2386511
	8-16-94 2215.1 Installed glove box / Stormscope on-off switch.		
	No change in Weight & Balance.	ICAS	
	Thomas J. Bauer 246/120		

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
9-23-94	Brought Forward →		Tach 225403	Complied with AD 94-17-13
	Effective 9-15-94 on	Hub Ser. No. FM-52		in accordance
	with Hartzell Bulletin 165E.			Inspected visually & with
	eddy current. No indications found.			Maxwell Aircraft
	Service, Inc, Mpls, MN, Repair Station No. KF2R211L,			
	Repair Order No. 96292. Next inspection due 230403.			
				Correct & Maximized 2386511
Total To Carry Forward				

Registration No. _____

Maintenance	and Remarks	Signature	Certificate No.
11-16-94	Tach 2285: Replaced Left Main tire & Balanced		
230403	Removal of Harney A/P 1459140		
1-18-95	TACH 2296 Removed GPS For		
246020	evaluation @ Factory. Thomas J. Bauer		

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
2-14-95	Brought Forward →		Tach 2302.36	Complied with AD 94-17-13
	effective date 9-15-94 on			Hub S/W FM-52 in accordance
	with Hartzell Bulletin 165 F			Inspected Visually and
	with eddy current. No			indications found. Maxwell A/c
	Service, Inc. Mpls, Mn. Repair Station No UFR 211L			
	Repair order No 96827			Next inspection due 2352.36
				Comd P. Maxwell 2386511.
Total To Carry Forward				

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Registration No. _____

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Maxwell A/c
JR 211L
2352.36
2386511

and Remarks	Signature	Certificate No.
2-14-95 Tach 2302: annual Insp comp this date Checked all cables pulleys fittings etc. Repacked wheel bearings. Replaced right brake linings Greased gear linkage. Gear gear retraction Replaced ELT Battery Next Due 2-97.		
I CERTIFY THAT THIS A/C HAS BEEN INSPECTED IN ACCORDANCE WITH ST. PAUL FLIGHT CENTER 270 Airport Rd. St. Paul, MN 55107 612-237-0106		
APPROVA INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION Donald L Harcey AIP1459140JA		

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
	Brought Forward →			
Date <u>1-25-96</u> Airplane Time <u>2414.85 Tach</u>				<u>Overhauled propeller.</u> <u>See prop log for details.</u>
Installed <u>Hartzell HC-E3VB-18P/F 762DR-2 Propeller</u>				
<u>FM 1558A</u>				
What agency under Work Order No. <u>98285</u>				
Dated <u>1-25-96</u>				<u>Conrad E. Maxwell p1911586</u>
Total To Carry Forward				

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Maintenance	and Remarks	Signature	Certificate No.
2/27/96	Tach 2421: annual L. insp comp this date checked all cables, pulleys, jettings etc. for type PA32R check list. Rechecked all wheel bearings. Replaced O-rings in nose retract actuator. Replaced O-rings in right wheel brake cylinders. Replaced right brake linings. Ran heat retraction check. C/W AD 95-36-13. Inspection of oil cooler boxes - C/W S/R 518C L. insp of oil vernathem OK this date. Checked EIT of this date Bar Del 3-97	I CERTIFY THAT THIS A/C HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNA INSPECTION AND HAS DETERMINED TO BE IN A WORTHY CONDITION FOR FLIGHT Ronal J. [Signature] ENCL L. HANCOCK A & P. 100000	

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance	and Remarks
	This Date	Total			
5-14-96	Brought Forward →	Tach 3451		Replaced nose tire & tube -	
	R. L. Harey			ST. PAUL FLIGHT CENTER	
	AP 1459140			270 Airport Rd.	
				St. Paul, MN 55107	
				612-227-8108	
11-19-96	Tach 3551	Transponder	Placed in op.		Budman Car # 471112756
Total To Carry Forward					

ALTIMETER

I certify that this fully or in part FAR 91.411, FAR 91.413, FAR 91.217, FAR 43 appendix E/F and AC 43.6A.

WORK OR AIRCRAFT

ALTIMETER #1 ID 13
ALTIMETER #2 ID

ENCODER #1 ID 510
ENCODER #2 ID

TRANSPONDER #1 SN
TRANSPONDER #2 SN

AUTHORIZED

RC AVIONICS

ST. PAUL

Registration No. _____

Maintenance

and Remarks

Signature

Certificate No.

ALTIMETER REPORTING SYSTEM

I certify that these system components comply, fully or in part as indicated, with the following: FAR 91.411, FAR 91.413, FAR 91.217, FAR 43 appendix E/F and AC 43.6A.

WORK ORDER: 018681

AIRCRAFT #: N8118Z

ALTIMETER #1 ID 13385 CERTIFIED TO: 20K

ALTIMETER #2 ID CERTIFIED TO:

ENCODER #1 ID 510489 CERTIFIED TO: 20K

ENCODER #2 ID CERTIFIED TO:

TRANSPONDER #1 SN 16529 MANUFACTURER: HT76A

TRANSPONDER #2 SN MANUFACTURER:

AUTHORIZED INSPECTOR DATE: 11/22/96

RC AVIONICS FAA CRS KP5R996M

ST. PAUL DOWNTOWN AIRPORT

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance	and Remarks
	This Date	Total			
3-7-97	Brought Forward	Tach 2589			Annual Inspr Comp this date Checked all cables, pulleys, fittings etc. for Piper PA37R check list Repacked all wheel bearings. Ran gear retraction check. Replaced EHT Bat. Next due 2-98. C/W AD 95-26-13 Inspr of O. Scooter Hoses - C/W Lg. SB58C Oil Vent. C/W AD 96-10-03 Inspr of flap handle Bg Replacing Pushing Bolt. C/W AD 96-13-07 Inspr of May impulse coupling - D.K. Replaced Vertical Slab fairing. Replaced pilot's Side windows. I CERTIFY THAT THIS AIRCRAFT BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. Total To Carry Forward
			ST. PAUL FLIGHT CENTER 270 Airport Rd. St. Paul, MN 55107 612-227-8108		
			Gerald L. Harcey AIP 1459145		

04/16/97
with
Gwing
owner
AIP 147140
7-3-97
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w
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Registration No. _____

Maintenance	and Remarks	Signature	Certificate No.
date list ed. Hoses - Bg Replacing - D.K.	04/16/97 Tach: 2619 Replaced both main gear actuators with new "O"-Rings. Filled landing gear hyd. reservoir. Gwing gear, OK. Installed new 6000-6 tire supplied by owner. + new 6000-6 int. tube on right main. Bg Replacing AIP 147140/480. Northland Aviation		
	7-3-97 Tach 2658.0: Replaced hose on left gear retract cylinder. Serviced Powerpack. Cycled gear. not leaks noted - Gerald L. Harcey AIP 1459145		
		ST. PAUL FLIGHT CENTER 270 Airport Rd. St. Paul, MN 55107 612-227-8108	