

# AIRCRAFT LOG



PIPER AIRCRAFT CORPORATION



# AIRCRAFT DESCRIPTION

Registration No. N32020

Model: PA-28R-200

Popular Name: Cherokee Arrow

Serial No.: 28R-7535015

Type Certificate No.: 2A13

Colors: SEE WEIGHT AND BALANCE

Engine Manufacturer: Lycoming

Propeller Manufacturer: HARTZELL

Original Engine Model: I0-360-C1C

Original Propeller Model: HC-C2YK-1

Serial Numbers: Single L-12883-S1A

Hub or Serial Number: Single CH13219

Left

Left

Right

Right

Blade Numbers

~~Left~~

C 53804

C 54557

~~Right~~

# ANNUAL INSPECTION SUMMARY

(See Log for Details)

Date	Accomplished By	Certificate No.
OCT 8 1979	<p>REMOVE #1 NAV. IND KING            KE201 &amp; INSTALLED KING            KE214 VOR/ILS IND - SEE            AM-6 FORM FOR WT. &amp; BAL            CHANGE.</p>	
	<p>MAINTENANCE RELEASE:</p>	
	<p>The Aircraft and/or Component Identified on reverse            side was Repaired and Inspected in accordance with            current Civil Air Regulations and was found Airworthy            for return to service.</p>	
	<p>Pertinent details of the repair are on file at this</p>	
	<p>Agency, U.S. Civil Air Order No. <u>7969</u></p>	
	<p>Date <u>10/8/79</u></p>	
	<p>Signed <u>G. S. Hill</u>  <small>(Signature of Authorized Individual)</small></p>	
	<p>MICHIGAN AVIATION CO. — Certificate No. 3042            PONTIAC MUNICIPAL AIRPORT, PONTIAC, MICHIGAN</p>	

# AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
	Brought Forward →			
			THE ALTIMETER AND STATIC SYSTEM TESTS REQUIRED BY FAR PART 91.170 HAVE BEEN PERFORMED. THE ALTIMETER (S) HAVE BEEN TESTED TO <u>81,000</u> FT. ON (L) <u>6-27-74</u> , (R) <u>N/A</u> SIGNED <u>R. Pitcher</u> DATE <u>9-23-74</u>	
			I HAVE INSPECTED THIS AIRCRAFT AND ISSUED A STANDARD AIRWORTHINESS CERTIFICATE DATED <u>9-23-74</u> , I/A/W FAR 21.183(a), PER 21.273. <u>R. Pitcher</u> FAA DOA SO-1	
SEP 23 1974		2,3.2		
Total To Carry Forward		2,3.2		

Registration No. N32020

and Remarks	Signature	Certificate No.
<u>9/23/74 T.T. 0010.45 INSTALLED A STEWART WARNER HOBBS METER</u>	<u>Glenn B. Salady</u>	<u>NAPN40500</u>
CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>SCAR</u> INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. WORK ORDER NO. <u>FOR WINDOW ADJUSTMENT</u>	<u>REMOVED ALTIMETER</u>	
DATE <u>11-20-74</u> TAON <u>27.32</u>	<u>NBES CLAR</u>	
SIGNED <u>Glenn B. Salady</u>	<u>NAPN40500</u>	
AVANTGARDE AVIATION INC,		





# AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
2-17-75	Brought Forward →	200.73	Tach + Total Time	Annual inspection. Routine maintenance completed. AD's researched through 75-02. Repairs as follows: Secured left seat belt. Secured vert. seat adjust button. Re-installed heater knob. Trouble shot left fuel quantity system. Used new indicator. Prepared mixture control lock assy. Tightened gear in Trans. light. Removed scuff marks from windshields. Replaced brake linings. Cleaned and lubed brake caliper pins. Adjusted nose gear up limit and secured jam nuts. Preadjusted gear doors. End.
Total To Carry Forward				

Registration No. \_\_\_\_\_

and Remarks	Signature	Certificate No.
<p>I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>Annual</u> INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. WORK ORDER NO. <u>2829</u></p> <p>DATE <u>2-17-75</u> TACH <u>200.73</u></p> <p>Signed <u>Thomas A. Pinn</u></p> <p><u>JA 1912456</u> AVANTGARDE AVIATION INC.</p>		
3-7-75. TT 235. INSPECTIONED & O.K. TIME 200.73		
3-7-75 completed with Piper SB 448 by insp. no disrep. found. End Thomas A. Pinn 1912456		

# AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
	Brought Forward →			
3-7-75	TACK TIME 235.19			INSTALLED NEW LEFT MAIN FUEL TANK GAGE, REMOVED OLD STUCK GAGE. END Thom W Can APR 2236269
Total To Carry Forward				

Registration No. \_\_\_\_\_

and Remarks	Signature	Certificate No.
4-18-75, 308.5 Tach and Total Time. Annual inspection, Routine maintenance completed. AD's researched through 75-8. Repairs as follows: Complied with AD75-5-4 on strobes by insulating, Secured Comptet seat buck bolts, Repositioned brake hoses on main gear to prevent chafeing, Complied with AD75-8-3 by inspection only; must be modified within 50 hrs after April 4, 1975. The following items have been deferred until parts are available: AD75-8-3 on gasculator, <del>Lyco SB 385</del> <del>on oil pump</del> and RT Aileron IB hinges. (End.)		



# AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
	Brought Forward →			
CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>Annual</u> INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. WORK ORDER NO. <u>3053</u> DATE <u>4-18-75</u> TACH <u>308.5</u> SIGNED <u>Thomas A. Mann</u> <u>FA1912456</u> AVANTGARDE AVIATION INC.				
Total To Carry Forward				

Registration No. \_\_\_\_\_

and Remarks	Signature	Certificate No.
<u>6-9-75 409.0 Tach + Total Time. Annual inspection. Post-            1st maintenance completed. AD's researched through 75-11.            Repairs as follows: Patch right gear door with fiberglass.            Replaced right aileron I.B. hinge, Tightened main gear            torque links, Tightened 60175 in stab. Trim system, End.</u>		
IN ACCORDANCE WITH A <u>Annual</u> INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. WORK ORDER NO. <u>3277</u> DATE <u>6-9-75</u> TACH <u>409.0</u> SIGNED <u>Thomas A. Mann</u> <u>FA1912456</u> AVANTGARDE AVIATION INC.		



## AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
5	Brought Forward →	509.51		Annual inspections, Routine
				ence completed. AD's researched through 75-13. Repairs
				ows; Tightened flap rod end bolts, Replaced bushing
				ter Turn horn, Tightened co-pilot seat back attach bolts,
				ed loose wires under rear seats, inspected flap cable
				- Service manual/ 500 hr insp. Adjusted elect. turn clutch,
				I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED
				IN ACCORDANCE WITH A <u>Annual</u>
				INSPECTION AND WAS DETERMINED TO BE IN AN
				AIRWORTHY CONDITION. WORK ORDER NO. <u>3436</u>
				DATE <u>7-16-75</u> TACH <u>509.51</u>
				SIGNED <u>J. Brown d. Orr</u>
				<u>IA1912456 AVANTGARDE AVIATION INC.</u>
Total To Carry Forward				

Registration No. \_\_\_\_\_

[illegible]

# AIRCRAFT LOG

Registration No. \_\_\_\_\_

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
9-18-75	Brought Forward →	547.39	Tach + Total Time, Annual	
Inspection. Routine maintenance completed. AD's rescheduled through 75-19. Repairs as follows: Replaced O-Rings in nose gear act. cyl. Replaced LH brake hose on strut. Replaced RH brake lining. Replaced cone grommets. Replaced Act. Horiz. Replaced gear up relay. End				
I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>Annual</u> INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. WORK ORDER NO. <u>3777</u>				
DATE <u>9-18-75</u> TACH <u>547.39</u>				
SIGNED <u>Thomas A. Mue</u>				
Total To Carry Forward			IA1912456	AVANTGARDE AVIATION INC.

and Remarks	Signature	Certificate No.
10-30-75 676.89 Tach. Preplanned hyd pump assy. End. Thomas A. Mue IA1912456		
11-15-75 TACH 686.7 ANNUAL INSPECTION		
REPLACED LEFT MAIN TIRE AND BRAKE LININGS		
AD AT gear down lock. AD's sched through 75-22		
I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>Annual</u> INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. WORK ORDER NO. _____		
DATE <u>11-15-75</u> TACH <u>686.7</u>		
SIGNED <u>John P. Mue</u> 1519936 AXI		
AVANTGARDE AVIATION INC.		



## AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
1-30-76	Brought Forward	768.03	Tach + Total Time.	Annual Inspection. Routine maintenance completed. AD's researched through 76-1. Repairs as follows: Replaced partial wiring for elect trim. Replaced O-Rings in all struts. Replaced brake linings. Replaced nose tire. Resealed LH fuel gTV Transmitter. Replaced vacuum regulator filter. Replaced gear in Transit light. Complied with AD 75-24-2 by inspection and by installing placard as per S.L. 763. "Parts on order." Aft seat retainers and pilot vert. adjust seat cable. End.
Total To Carry Forward				

Registration No. \_\_\_\_\_

[illegible]

## AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
Brought Forward →		2-16-76	785.2 hrs	
		install new back up extender new left retract cyl & pressure switch replace o-ring nose retract cyl & adjust up switches NORTHERN AIR KENT COUNTY AIRPORT GRAND RAPIDS, MICHIGAN F A A APPROVED REPAIR STATION NO. 4317 <i>Lawrence J. Jansen</i>		
Total To				

Registration No. \_\_\_\_\_

[illegible]





# AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
9/15/76	Brought Forward 957 hrs			took the altimeter & static system test required by FAR Part 91-170 has been performed the altimeter has been tested to 20,000 ft.
				Clark Chatterton
				1A1186101
</				



## AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
3/17/78	Brought Forward →	1073.		
<p>checked all rubber pulleys fair leads &amp; turnbuckles for wear &amp; safety, lubricate all moving joints, greased wheel bearings inspected tires checked brake fluid &amp; battery water, dried tank samples, cleaned gas analyzer, checked electric system function, re-rotation check on gear tested free fall &amp; anti-rotot switch, checked mag switch operation AD 76-07-12 checked rear seat harness AD 75-24-02, prop blades well &amp; took photo of AD 77-12-06. See comp list back of book. Finally that this aircraft has been inspected &amp; is ready for flight.</p>				
Total To				
Early Forward				
<p>Clack &amp; Kottman 1A 1861615</p>				

Registration No. \_\_\_\_\_

and Remarks	Signature	Certificate No.
9/27/78 The altimeter & static system test required by FAR Part 91-140 has been performed. The altimeter has been tested to 20,000 ft by Supervisorist Clark Nutman 1A186601		

and Remarks	Signature	Certificate No.
Transponder Model <u>KT76</u> is manufactured or modified to meet <u>TSO C74B</u> class <u>1</u>		
Complies with F.A.R. <u>91-241/135.143</u> Transponder tested in accord with AC45-0. Complies with F.A.R. 91.177		
Airtronics, Inc. Name <u>Verant K. Michael</u> No. <u>GL-63-12</u>		
<u>10-5-78</u>		

90

AVIA.com  
AIRCRAFT SALES & BROKERAGE



# AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
2/13/79	Brought Forward <del>1117.0</del>		1117.0	took 100 hr annual insp. checked all cables, pulleys, fairleads & turnbuckles for wear & safety lubricated all moving parts greased wheel bearings inflated tires checked brake fluid & battery water drained tank sump, cleaned gas meter, checked electric system function, ran retraction check on gear tested auto retract switch, checked hyd pack & pump removed wash from slide assembly P-53 checked mag switch off function AD 76-07-14, checked rear seat retention AD 75-74-02
	Total To Carry Forward			insp mag impulse AD 78-09-07 see comp AD listing back of book
				checked that this aircraft has been insp in accordance with annual insp form it is airworthy Clark Winters 1A1186101

Registration No. \_\_\_\_\_

and Remarks	Signature	Certificate No.
3/1/80 at 1168 hrs on took 100 hr annual insp. checked all cables, pulleys, fairleads & turnbuckles for wear & safety lubricated all moving parts greased wheel bearings inflated tires, checked brake fluid & battery water, ran retraction check on gear & tested auto retract switch, checked hyd pack, replaced EAT battery & tested checked electric system function checked mag switch off function AD 76-07-14, checked rear seat retention AD 75-74-02, see comp AD listing back of book & checked through 80-04. I certify that this aircraft has been insp in accordance with annual insp form it is in airworthy condition Clark Winters 1A1186101		



# AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
	Brought Forward →			
		<p>THE ATO TRANSPONDER TEST AND INSPECTION REQUIRED BY FAR 43.17 WERE PERFORMED THIS DATE, AND FOUND TO COMPLY WITH FAR 43.17. APPENDIX F, REG. NO. 14081, MODEL 17-78, C/N 17111. DETAILS OF THIS INSPECTION ARE ON FILE AT MICHIGAN AVIATION, REGISTRATION NO. 3042. W.O. NO. 14081, DATE 7-23-80, CENT. NO. 18697.1. SIGNATURE <i>[Signature]</i></p>		
10/6/80 at 190.	km	<p>The altimeter static system test required by FAR Part 43.170 was performed. The altimeter was tested to 20,000 ft by Superbair Inc. <i>[Signature]</i> 1A186101</p>		
Total To Carry Forward				

Registration No. \_\_\_\_\_

and Remarks	Signature	Certificate No.
<p>3/20/81 at 1197. hrs on Bob 100 hours. Insp checked all cables, pulleys, fairleads &amp; turnbuckles for wear &amp; safety. Lubricated all moving joints, greased wheel bearings, inflated tires. Checked bushings, 1500 lbs. water, drained tank, samples, cleaned, poured, filled, hydro checked, replaced glow auto retract display &amp; adj. checked electric system function, ram retraction, check on gear &amp; test anti-retract switch, replace both in bushings &amp; lining prop blades roller for AD 7742-6, insp over insp coupling for AD 7-7R2, checked over saw off for 76-07-17, checked reg. &amp; retention AD 75-24-02 size index back of book through 81-p. Inspected that this aircraft has been inspected in accordance with annual insp from inspection authority. <i>[Signature]</i> 1A186101</p>		



## AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
	Brought Forward →			
3-26-82	Bench Check of King KT-78. Thompson Serial 17111, T.S. 6746. Check this unit against all requirements FAR 91.177, FAR 43.01. Ref N/A 0628.			
Total To Carry Forward				

Registration No. \_\_\_\_\_

and Remarks	Signature	Certificate No.
4-5-82 TOTAL TIME 1254.00 A 100 <sup>HR</sup> INSPECTION COMPLETED AT THIS DATE & TOTAL TIME IN ACCORDANCE WITH A 100 <sup>HR</sup> INSPECTION SHEET. INSTALLED NEW BRAKE LINING ON LEFT BRAKE. AD 75-24-02 SENT RELATION CHECKED OK. AD 77-23-03 ROD ENDS OF PROPER TYPE. AD 80-19-01		
AD 80-19-01 REWORKED & CHECKED PER AD. INSTALLED NEW ECT BATT PART # 1035		
NEXT DUE FEB. 84. AD 80-24-03 FOUND TO HAVE NYLON WASHER. AD		
77-09-07 REVISES 80-22 DUE AT TAC 2119.00. AD 76-09-12 CHECKED & FOUND		
OK. AD 81-11-02 REVISES 81-20 C/W BY INSTALLING PLACARDS & DRAIN PLUG		
OF PROPER TYPE. 81-18-04 REVISES 81-24 DUE AT NEXT OVERHAUL OR		
2000 <sup>HR</sup> . AD 77-12-06 BRO? BLADES DUE 3-19-83 OR TAC 2199 <sup>HR</sup>		
OVER		

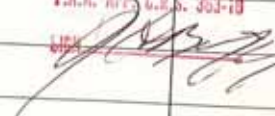




Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
	Brought Forward →			
9/25/82	Installed Piper Service Letters 698			
10/31/82	Installed 8 new REM 38E Spark plugs			
5/3/83	Tach Reading 1336.00 hrs			
I certify that this aircraft has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.				
Total To Carry Forward				
Richard Chatter I.A. 386287140				

Richard Chatter  
I.A. 386287140

Registration No. \_\_\_\_\_

and Remarks	Signature	Certificate No.
12-14-83. Installed King KX1-64 in Radio Rack provided by Manufacturer new empty weight - 1894.5 lbs, Moment - 139739 inch lbs. Empty C/A. 84.46. in weight of datum.		

BISHOP AVIATION, INC.  
F.A.A. ASES C.R.S. 303-10

## AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
	Brought Forward →			
6-1-84	TOTAL TIME 1388.84 Hrs. ANNUAL INSPECTION COMPLETED IN ACCORDANCE WITH ANNUAL INSPECTION SHEET. INSTALLED NEW BRAKE LINING ON LEFT + RIGHT BRAKE (NEXT REPLACEMENT DATE 5/1/86), REPLACED FLT. BR TIE ROD CHECKED AD'S # 82-20-01.			
6/1/84	Tach Reading 1388.84 hrs. I certify that this aircraft has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition at this date.			
Total To Carry Forward				Richard Chatter 386287140 I.A.

Registration No. \_\_\_\_\_

and Remarks	Signature	Certificate No.
8-14-84 Bench Check of King RT-78 Transponder inst 17111. No other all requirements of FAR 91.177, FAR 43.39 50	<p>BISHOP AVIONICS, INC. F.A.A. APP. C.R.S. 363-10</p> <p>5089</p>	



# AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
11/7/84	Brought Forward →			
C/W	FAR	99.170	Stuck system check	
from	72 43	app. E.	Kesh Rustalak	
			ASP 2214416	

SERVICEABLE

GREAT LAKES INSTRUMENT SERVICE, INC.

Willow Run Airport, Ypsilanti, Michigan 48197

REPAIR STATION 383-9

MFG'S P/N

C-12

S/N

8804

Type

all 207

MFG.

Beecker

Customer

A/C Brokers

P.O.

✓

☒ OVERHAUL

TSO

ZERO

☐ REPAIR

☐ CHECK/CALIB.

TSO

per customer

Remarks

recheck

The APPLIANCE identified above was repaired and inspected in accordance with F.A.A. Regulations and IS APPROVED for return to service. Pertinent details of the repair are on file at this agency under

WORK ORDER NO.

21520

DATE

11-6-84

Mech.

ST

Inspector

J. Kinnell

## AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
6/20/85	Brought Forward →			Serviced Battery Replaced Brake PART # 164-124 Both wheels. Lubed All Pullays and
		TACK : 1454.97		I certify That
		TT : 1454.97		in accordance with
				Has Been determined
Total To Carry Forward				

Registration No. \_\_\_\_\_

and Remarks	Signature	Certificate No.
<p>OK'd Ad's THRU Bi weekly            Rotors (disks) with chrome            Replaced Brake linings on            Part # 66-30            Surging gears.</p>		
<p>This A/C WAS Inspected            AN ANNUAL Inspection AND            To be in prime worthy condition</p>		
<p>John Barbourich            PA. 2259643</p>		



# AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
8-13-86	Brought Forward →	1546.9H		AIR FRAME GIVEN ANNUAL INSPECTION USING APPROVED FORM, REPLAKS NOSE WHEEL OUTER BEARING RACE PIN 80231 + 2- GREASE SEALS PIN 154-00600. INSTALLED OVERHAULED D.G. + HORIZEN, SEE TAGS. REPLACED RIGHT MAIN BRAKE LININGS (WITH NEW). INSTALLED NEW ELT BATT. CW ADS 84-26-04 BY INSP. OK, 76-07-12 MAG SWITCH BY INSP. OK NEXT DUE 1646.9H. 75-24-02 BY INSP. NEXT DUE AT NEXT ANNUAL. CW ALL ADS THRU
Total To Carry Forward		86-15.		CONT NEXT PAGE →

SERVICEABLE

GREAT LAKES INSTRUMENT SERVICE, INC.

REPAIR STATION 363-9

Willow Run Airport, Ypsilanti, Michigan 48197

MFG'S P/N 52054 S/N 9383

Type Directional Gyro MFG Mitchell A/M

Customer Aircraft Brokers P.O.

☒ OVERHAUL TSO ZERO

☐ REPAIR ☐ CHECK/CALIB. TSO per customer

Remarks

The APPLIANCE identified above was repaired and inspected in accordance with F.A.A. Regulations and IS APPROVED for return to service. Pertinent details of the repair are on file at this agency under

WORK ORDER NO. 22185 DATE 9-12-86

Mech. KB Inspector J. Meyer

☐ REP. ☐ F/C ☒ CERT-OTHER TSO

IN SERVICE COMPANY  
KLINE AVIATION, INC.

368620104 Paul Kline

# AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
SEPT 14, 1986	Brought Forward →	TACH HRS 1558.62	COMPLIED WITH AD 86-17-01	
BY INSTALLATION OF PIPER KIT # 765-186 AMMETER REPLACEMENT KIT.				
WORK ON FILE	W/O. 2421	Long E. H.	NO 377663996	
9-27-86	Bench Check of King KT-78 transducer			
	ser # 1711. to meet all requirements			
	of F.A.R. 91.172, FAR 213 app F, Reg			
	W/O # 1549. this date			
			BISHOP AVIONICS, INC.	
			F.A.A. APP. G.R.S. 363-10	
			SIGN <i>[Signature]</i>	
Total To Carry Forward				

and Remarks

3-24-87. Installed new AR-856 encoder.  
to 145278 transducer. checked both units  
to 20,000 ft. readout within limits. These  
units meet all requirements of FAR 91.172,  
FAR 213 app F. Reg W/O 1549 this date

I CERTIFY THAT THE ALTIMETER  
STATIC TESTS REQUIRED BY  
F.A.R. 91.171 HAVE BEEN PER-  
FORMED. THE ALTIMETER WAS  
TESTED TO 20,000  
FEET ON 5-20-87  
SIGNATURE *[Signature]*  
DATE 5-22-87 CERT # A1P326144010

BISHOP AVIONICS, INC.  
F.A.A. APP. G.R.S. 363-10

*[Signature]*



# AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
10-22-87	Brought Forward →	1588.0 hrs		
Completed 2 hrs with Piper service manual -				
Belt new - service battery - Gear lubrication				
New Greases - checked wheel bearings - changed beater				
new tire & tube on left main - service Hyd system				
new vacuum Reg. Filter. Checked seats & harness -				
for more information see av 10919 -				
"I certify that this aircraft has been inspected in accordance with a <u>factory</u> inspection and was determined to be in an airworthy condition."				
Total To Carry Forward				

Prentice Aircraft, Inc.  
 F. A. A. Approved Repair Station #3771  
 Airframe Class 1 and 3 Unlimited  
 Power Plant Class 1  
 Radio Class 1 Unlimited  
 Specialized Services  
 By Adrian Michigan

802 Willow Run Airport  
 Ypsilanti, MI 48198

4-26-88 1648.29

INSTALLED DUAL MANIFOLD/FUEL FLOW GAGE AFTER  
 REPAIR. INSTALLED NEW RCA TUNING CONDENSATOR  
 SIN 880462. OPS CHECKED SATISFACTORY.  
 AMP 285647801 John M. J.

## AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
12-28-88	Brought Forward →	T.T	1734.47	Annual Inspection Completed 1/1/89 REPLACED ELT BATTERY WITH BRAND IN TAIL CONE, REMOVED EXHAUST, REMOVED RE FUEL TANK LUBRICATION AND NOSE TIRE AND
7/31/89				
BASE COAT 4296U-ALT #1 BROWN 4446U-ALT #2 Gold 4452U-ALT #2				
Total To Carry Forward				

Registration No. \_\_\_\_\_

and Remarks	Signature	Certificate No.
Piper Approved inspection form. Repacked wheel bearing on RW wheels.		
AirTex A/F 13-88 (Replace Nov 91) Replaced bushings on struts for Trim Tabs.		
LT fuel tank. Replaced vent line rubber hose and tightened fuel sender screws.		
Replaced vent line rubber hose. Replaced chain valve in fuel tank. Replaced hoses. Replaced battery in L/S door.		
I certify that this aircraft has been inspected		
in accordance with the Annual Inspection and is		
determined to be in airworthy condition.		
Jerry E. Hall		
177389656 IA		



# AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
4-7-90	Brought Forward →	T.T.	1788.45	Annual Inspection Completed 1/4 I certify that this aircraft has maintained condition.
				No Entries Beyond this point

THE ATC TRANSPONDER TESTS AND INSPECTIONS  
REQUIRED BY FAR 91.172 HAVE BEEN  
PERFORMED THIS DATE AND FOUND TO COMPLY  
WITH FAR 43, APPENDIX F.

MFG King MODEL KT78 SN 17111  
DATE June 11, 1990 SIGN [Signature]  
MEYERS AVIONICS, INC.  
FAA REPAIR STATION #OF5R091N

THE ALTITUDE REPORTING SYSTEM TEST REQUIRED  
BY FAR 91.36 WAS PERFORMED IN ACCORDANCE WITH  
APPENDIX 1 OF AC43-6A.

SIGN [Signature] June 11,  
MEYERS AVIONICS, INC. 1990  
FAA REPAIR STATION #OF5R091N

Registration No. \_\_\_\_\_

and Remarks	Signature	Certificate No.
As Piper Approved Inspection form Replaced ADF DRAE wire Antenna been Inspected 1/4 w/ An Annual Inspection and was determined to be in James E. Hane AP 177 359654 IA 4-7-90 (Age ADS Check) (C/w 4-7-90)		

THE STATIC SYSTEM TESTS AND INSPECTIONS  
REQUIRED BY FAR 91.171 WERE PERFORMED  
THIS DATE AND FOUND TO COMPLY WITH  
FAR 43, APPENDIX E.

DATE June 11, 1990 SIGN [Signature]  
MEYERS AVIONICS, INC.  
FAA REPAIR STATION #OF5R091N

Initial To  
Brought Forward

## AIRCRAFT LOG

[illegible]

Registration No.

[illegible]



## AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
10-1-92	Brought Forward →	Tork Time	1805.17	Annual Inspection completed
decals,	LT & RT	hydraulic	bushes liners	lubed brakes operation
date Sept 1994	a	operational	check of i lt	normal. found wire
secured bundle.		serviced battery and hydraulic system.		Checked
land gear, lubed	wheel bearing, and			checked inflation
the Piper annual	inspection form			and it was determined
				AIRCRAFT SALE
Total To Carry Forward				

Registration No.

and Remarks	Signature	Certificate No.
<p>1/1W pipe approval inspection form, Replaced fuel servicing of brake system normal. Replaced E&amp;T Battery replacement bundle in front of copilot control yoke chaffing Repaired and gear retraction and proper clearance. Lubed and serviced of tires. I certify this aircraft to be inspected 1/1W to be airworth.</p> <p>Done 10-1-92 AP177389654 IT</p>		

# LOG BOOK ENTRY

DATE Nov 9, 1992

ACFT. TACH. 1805.46

The following altimeter system and altitude reporting equipment tests and inspections, as required by FAR 91.411, in accordance with FAR 43, Appendix E have been performed:

Para (a) AIRCRAFT Static System 11-9-92 Date

Para (b) Altimeters

Pilot's C-12 Copilot's N/A

S/N 8804 S/N N/A

Tested to 20,000 ft. 11-9-92 Date

Para (c) Integrated System Test 11-9-92 Date

Signature Thomas

Express Avionics, Inc.

Toledo Express Airport FAA CRS# XXER854K

ATC Transponder tests and inspections, as required by FAR 91.413 in accordance with FAR 43, Appendix F, have been performed.

Model KT-78 S/N 17114

Date 11-9-92 Signature Thomas

Express Avionics, Inc.

Toledo Express Airport FAA CRS# XXER854K

W.O.# 1579

SIGN Thomas

EXPRESS AVIONICS, INC.

Toledo Express Airport

Swanton, Ohio

FAA CRS #XXER854K

Registration No. \_\_\_\_\_

and Remarks

12-10-93 T.T.T 1828.93 Annual Inspection Completed  
 Pipe Approval inspection form. Distraction in Separated Battery Lubed MC  
 operational of ELT. Cleaned MAP L in 3 and Replaced Hose Clamps. Replaced  
 Rt brake M. cyl with seal & O-ring. Replaced hand brake with seal  
 & O-ring. Replaced intermittent mic (TE 10, OOPS Inv. 397057)  
 Replaced plastic mic holder. Replaced fuel supply hose and  
 wrapped with teflon tape. I certify this A/C has been  
 inspected 1/10/93 the pipe inspection form and it was deemed  
 satisfactory - 12-10-93 J. Hall ADT 1359654 J.A.  
 no for the entry



# AIRCRAFT LOG

DATE 11-13-94 T.T. 1868.0

Annual inspection completed I/A/W piper approved inspection form.  
 Serviced battery and hydraulic system, lubed wheel bearings,  
 lubed A/C per piper lube chart. Checked ELT for operation and  
 replaced battery w/ p/n R-88A, due 11-96.  
 Replaced vaccum and regulator filters w/ p/n D9-16-1 and B3-5-1.  
 Complied with AD 94-14-14 by installing nose gear modification  
 kit # 764-377V. Checked landing gear retraction for clearance  
 and operation, ajusted nose gear door clearance.

I certify this Airframe has been inspected I/A/W Annual  
 inspection and was determined to be in airworthy condition.  
 All A.D.'s checked and complied with up to this date.



*Joseph E. Hall*  
 Joseph E. Hall  
 AP177389656IA

Registration No. \_\_\_\_\_

and Remarks	Signature
The following altimeter system and altitude reporting equipment tests and inspections, as required by FAR 91.411, in accordance with FAR 43, Appendix E have been performed:	
Para (a) Aircraft Static System 11/17/94 Date	
Para (b) Altimeters	
Pilot's C-12 Copilot's N/A	
S/N 8804 S/N N/A	
Tested to 20,000 ft. 11/17/94 Date	
Para (c) Integrated System Test 11/17/94 Date	
Signature <i>Richard L. Hunt</i>	
Toledo Express Airport Express Avionics, Inc. FAA CRS# XXER854K	
ATC Transponder tests and inspections, as required by FAR 91.413 in accordance with FAR 43, Appendix F, have been performed.	
Model KT-78 S/N <i>DTW 1</i>	
Date 11/17/94 Signature <i>Richard L. Hunt</i>	
Toledo Express Airport Express Avionics, Inc. FAA CRS# XXER854K	
WO# 2902	

# AIRCRAFT LOG

DATE 07-01-96 T.T. 1903.0

Annual inspection completed I/A/W piper approved inspection form. Serviced battery and hydraulic system, lubed A/C per piper lube chart. Checked ELT for operation. c/w AD 95-20-07 by magnetic partical inspection, next due at TT 2403.0 c/w S/B# 977 No corrosion found. Removed minor corrosion on flap hangers and refinished. Checked landing gear retraction for clearance and operation. A/C was test flown to check auto gear extention and retracton.

I certify this Airframe has been inspected I/A/W Annual inspection and was determined to be in airworthy condition. All A.D.'s checked and complied with up to this date.

*Joseph E. Hall* AP177389656IA

Joseph E. Hall  
AP177389656IA

# LOG ENTRY

N32020  
SN: 28R-7535015

Dec. 26, 1996

PERFORMED PITOT/STATIC LEAK TEST, ALTIMETER CERTIFICATION ON PILOTS ALTIMETER PN: C-12, SN: 8804 AND INTEGRATED SYSTEMS TEST TO 20,000 FT AS REQUIRED BY FAR 91.411 IN ACCORDANCE WITH FAR 43 APPENDIX E PARA. (a), (b), and (c).

PERFORMED ATC TRANSPONDER TESTS AND INSPECTIONS ON KING MODEL KT-78 SN: 17111 AS REQUIRED BY FAR 91.413 IN ACCORDANCE WITH FAR 43 APPENDIX F.

\*\*\*\*\* END \*\*\*\*\*

WO# 4456

SIGN

*[Signature]*

EXPRESS AVIONICS, INC.  
11401 W. AIRPORT SVC RD.  
SWANTON, OH 43586  
FAA CRS# X00885402



# AIRCRAFT LOG

DATE 03-22-97

T.T. 1908.76

Annual inspection completed I/A/W piper approved inspection form. Serviced battery and hydraulic system, lubed A/C per piper lube chart. Cleaned and repacked wheel bearings. Replaced ELT battery and checked for operation, next due 03/99. c/w AD 96-10-03 Installed p/n 63900-174 bushing and AN23-11 Bolt. Checked landing gear retraction for clearance and operation.

I certify this Airframe has been inspected I/A/W Annual inspection and was determined to be in airworthy condition. All A.D.'s checked and complied with up to this date.

*Joseph E. Hall*

Joseph E. Hall  
AP1773896561A

Registration No.

and Remarks

Signature

Certificate No.

Date: 10-14-97, A/C Time: hours, N Number: 32020

A/C Make: Piper A/C Model: PA28R-200 A/C SN: 28R-7535015 W.O. NO: 28570

Removed the following equipment: King KI214 Nav Indicator

Installed the following equipment: King KI209 Nav Indicator King KN75 Glideslope Receiver

The installation was performed in accordance with manufacturers specifications and is approved for return to service.

The new aircraft empty weight is: 1655.9 lbs.

The new center of gravity is 84.65 inches

The new moment is: 140176.1

FAA CRS# ITS8947M

*Ken Malan*  
Authorized Signature for:

# AIRCRAFT LOG

9-1-98 Tac 1913.8 total time 1913.8 At this date and total time this aircraft has been inspected in accordance with a 100hr. Inspection sheet. Installed copper batt. cables. Replaced the following fuel hoses with stratoflex p/n 111417-6s0107, p/n 111417-0130, p/n 111417-6s0292, p/n 111417-4s0166, p/n 111417-4s0340, p/n 111417-4s0340, p/n 124d003-6cr0120. Replaced sidewall panels, seats, and carpet with the following material p/n p8503 p/n p8533, #3175 and p/n 894. ( see certificate of fire retardancy) apc#98-1796 dated 6-29-98, apc#98-2309 dated 8-11-98 test report #080698-1 dated 8-6-98, AD 75-24-02 dated 11-21-75 c/w. AD 77-01-01 pcw (see log dated 6-5-77.) AD 80-19-01 pcw (see log dated 3-20-82 ) AD 81-11-02 revision # 1 found pcw. AD 94-14-14 pcw (see log dated 11-13-94. AD 95-26 13 pcw (see log dated 7-1-96). AD 76-07-12 dated 8-30-77 inspected per ad and found ok next due at tac 2013.8. AD 93-11-11 ( dna ) see log dated 12-15-97. AD list reserched thru 98-16. Elt batt due 7-00

Maintenance

9/1/98 1913.8

At this Date & Total Time

I certify that this aircraft has been inspected in accordance with an annual inspection, and was determined to be in air worthy condition. IA383341206

*[Signature]*

Registration No.

and Remarks

Signature

Certificate No.

10-20-99 Tac 1933.0 total time 1933.0 at this date and total time this aircraft has been inspected in accordance with a 100 hr inspection sheet. # 4 cyl O/H by G & N aircraft. Replaced w/ model # 442 ez heat pad. Replaced all ex- gaskets with blow proof- gaskets .Replaced all landing gear hyd hose ( main gear stratoflex #11417-450162 and # 11417-450084 ) (nose gear stratoflex # 111417-450166 ).Replaced two hyd fittings # 1-an822-4d and # 1-an837-4d. AD 75-24-02 dated 11-21-75 seat retention found ok next insp. due 100 hr. AD list reserched thru 99-20 Elt batt due 7-00.

10/20/99

At this Date & Total Time

1933.0

I certify that this aircraft has been inspected in accordance with an annual inspection, and was determined to be in air worthy condition. IA383341206

*[Signature]*

Total To Carry Forward



## AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
Brought Forward →				
<p>11-20-00 Tac 1953.6 total time 1953.6 . AT this date and total time this aircraft has been inspected in accordance with a 100 HR . inspection sheet . Installed R-88A elt batt . G32D aircraft batt . # 481-780 electric fuel pump . And # 63897-006 Alternator capacitor . AD 75-24-02 seat retention found ok next due 100 HR . AD list thru 00-21 . Elt batt due 11-21 . AD 76-07-12 found ok .</p>				
	11-20-00			
	At this Date	& Total Time	1953.6	
	<p>I certify that this aircraft has been inspected in accordance with the annual inspection, and was determined to be in air worthy condition.</p>			
			IA383341208	
	<p><i>James J. Gust</i></p>			
Total To Carry Forward				

Signature	Certificate No.
DATE 8/28/01 A/C REG N32020 S/N NR-753915 SO# 36125 <u>REPAIRED KING KN64 DME SN5184</u>	
AFTER SERVICE WAS PERFORMED THIS SYSTEM AND ALL ASSOCIATED SYSTEMS WERE GROUND TESTED AS REQUIRED BY FAR 43.13 AND THE AIRCRAFT HAS BEEN RETURNED TO SERVICE. CRS# LT5R947M <u>MAYDAY AVIONICS INC</u>	

HAC-Avionics CRS# H72R702N  
2451 Cadmus Rd. Adrian MI. 49221  
24 Month ATC Transponder Check

N 32020

Frequency 1090 +/- 3 MHz: 1.0 MHz.

Suppression P2 = P1 less than 1% reply: ✓ OK.

P2 9db less than P1 at least 90% reply: ✓ OK.

Receiver Sensitivity -73dbm +/- 4dbm -69dbm.

Receiver Sensitivity difference between Mode A/C less than 1db 0db.

Power Output Manufacturer's Specifications 200W.

Encoding Output +/-125 ft. of aircraft altimeter 0ft.

As per FAR 91.413 and as outlined in FAR part 43 appendix E paragraph c and appendix F, this transponder Model# KT 78, Serial# 17111 meets or exceeds all applicable test standards.

Signed: Clinton Levan H72R702N

Date: 7/16/00.

Registration No. \_\_\_\_\_

and Remarks

Signature

Certificate No.

6-15-03 TAC 1970.06 TOTAL TIME 1970.06. AT THIS DATE AND TOTAL TIME THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A 100HR. INSPECTION SHEET. AD 75-24-02 SEAT RETENTION FOUND OK NEXT DUE 100HR. AD 76-07-12 FOUND OK NEXT DUE 100HR. INSTALLED NEW ELT BATT. INSP. AND TESTED PER FAR 91.207. BATT DUE JUNE 05. AD LIST THRU 03-12.

At this Date 6-15-03 & Total Time 1970.06  
I certify that this aircraft has been inspected  
in accordance with an annual inspection,  
and was determined to be in air worthy con-  
dition. 1A383341206

John A. Smith



# AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
Brought Forward →				
<p>6-1-04 TOTAL TIME 1994.9 AT THIS DATE AND TOTAL TIME THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A 100HR. INSPECTION SHEET. AD 75-24-02 INSPECTED PER AD NEXT DUE 100HR. AD 76-07-12 INSP. PER AD NEXT DUE 100HR. AD LIST THRU THIS DATE. ELT TESTED AND INSPECTED PER FAR 91-207 BATT DUE JUNE 05.</p>				
	At this Date 6-1-04	& Total Time 1994.9		
	I certify that this aircraft has been inspected in accordance with an annual inspection and was determined to be in air worthy condition.			
	John Felt 1A383341208			
Total To Carry Forward				

Registration No. \_\_\_\_\_

and Remarks	Signature	Certificate No.
<p>HAC-Avionics, L.L.C. 2451 Cadmus Rd. Adrian MI. 49221</p> <p>N32020 Date: 07/03/04</p> <p>Removed Bendix/King KX-170B/KI-201C NAV/COM from center aircraft radio panel. Installed Garmin GNS 430 GPS/NAV/COM serial# 97121610, and Garmin GI-106A GPS/NAV indicator serial# E04-11831 in center radio stack. All work was done IAW AC 43.13-1B, AC 20-138A, and the manufacturers installation manuals. GNS 430/GI-106A System op-checked good IAW the Manufacturers specifications and AC 20-138A. Aircraft weight and balance and equipment list has been updated. A load analysis was performed and total aircraft electrical load has not been exceeded. See FAA Form 337 dated 07/03/04 for detailed information.</p>	Signed: <i>Clinton Heinis</i>	H72R702N

# AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
	Brought Forward →			



HAC-Avionics, L.L.C. CRS# H72R702N  
2451 Cadmus Rd., Adrian, MI 49221  
24 Month Altimeter Certification Form

Aircraft Tail# N32020  
Position ONLY

## Scale Error:

Altitude (Feet)	Tolerance +/- (Feet)	Error +/- (Feet)	Altitude (Feet)	Tolerance +/- (Feet)	Error +/- (Feet)
-1000	20	0	10000	80	-10
0	20	0	12000	90	-40
500	20	0	14000	100	-80
1000	20	-10	16000	110	-80
1500	25	0	18000	120	-80
2000	30	-10	20000	130	-80
3000	30	-10	22000	140	
4000	35	0	25000	155	
6000	40	0	30000	180	
8000	60	0	35000	205	

As per FAR 91.411 and as outlined in FAR part 43 appendix E. This Altimeter meets or exceeds all applicable test standards.  
Signed: Clinton Seimen H72R702N Date: 7/1/04

Total To  
Carry Forward

Registration No. \_\_\_\_\_

and Remarks

Signature

Certificate No.



HAC-Avionics, L.L.C. CRS# H72R702N  
2451 Cadmus Rd., Adrian, MI 49221  
24 Month ATC Transponder Check

Aircraft Tail# N32020  
Position ONLY

Frequency 1090 +/- 3 MHz 2.5 MHz  
Suppression P2 = P1 less than 1% replay ✓ OK  
P2 9db less than P1 at least 90% reply ✓ OK  
Receiver Sensitivity -73dbm +/- 4dbm -73dbm  
Receiver Sensitivity difference between Mode A/C less than 1 db OK  
Power Output 125-500 watts 150W  
Encoder Output +/- 125ft. of aircraft altimeter OK

As per FAR 91.413 and as outlined in FAR part 43 appendix E paragraph c and appendix F, this transponder Model# Kr-78 serial# 17111 meets or exceeds all applicable test standards.  
Signed: Clinton Seimen H72R702N Date: 7/1/04



# AIRCRAFT LOG

Date: 7/17/06  
 Aircraft  
 Tac: 20793 Hobbs: 2089.25  
 TSMO: 1524E TSMO: RE  
 TSNP: 20793E TSNP: RE  
 TSMOP: 672 LE: RE  
 TSN: RE LE: RE

I certify that this aircraft has been inspected in accordance with an annual inspection and found to be in an airworthy condition. All AD notes up to 2007-15

2006-15 have been complied with, including

Robert S. Lloyd  
 A&P 26755AIA

Controls: OK Cables: OK Pulleys: OK Tanks: OK  
 Wheel bearings: OK Struts: OK Tires: OK  
 Retractor: OK Battery: OK Electronics: OK  
 Surfaces: OK Instruments: OK Brakes: OK  
 Hydraulic System: OK Fuel System: OK

Robert S. Lloyd 26755AIA

Total To Carry Forward			

## 24 Month ATC Transponder Check



HAC-Avionics, L.L.C. CRS# H72R702N  
 2451 Cadmus Rd Adrian MI. 49221

Aircraft Tail# N32020  
 Position: ONLY

Frequency 1090 +/- 3 MHz 2.0 MHz  
 Suppression P2-P1 less than 1% reply V. OK  
 P2 9db less than P1 at least 90% reply V. OK  
 Receiver Sensitivity -73dbm +/- 4dbm -73dbm  
 Receiver Sensitivity difference between Mode A/C less than 1db 0db  
 Power Output 125-500 Watts 200W  
 Encoder Output +/- 125ft. of aircraft altimeter 0ft

As per FAR 91.413 and as outlined in FAR part 43 appendix E paragraph c and appendix F, this transponder Model# KT-78 serial# 17111 meets or exceeds all applicable test standards.  
 Signed: Clinton Reinen H72R702N Date: 7/7/06

3000	30	-40	25000	155
4000	35	-60	30000	180
6000	40	-80	35000	205
8000	60			

As per FAR 91.411 and as outlined in FAR part 43 appendix E. This Altimeter meets or exceeds all applicable test standards  
 Signed: Clinton Reinen H72R702N Date: 7/7/06

NOTES

AD 74-24-13 Has been checked on 12/19/74 and  
does not apply this Altimeter Ser No B5935

AirMart.com  
AIRCRAFT SALES & BROKERAGE