



The Standard

AIRCRAFT LOG

ASA-SA-2

N8973J
BOOK # 3

#3

173J

Aircraft Record General Information

Manufacturer PIPER Model PA-28-180
Serial 28-2996 Registration Number N8973J

Date of Manufacture _____

Engine(s) currently installed:

Manufacturer LYCOMING Model O-360-A3A Serial L-9116-36A

Manufacturer _____ Model _____ Serial _____

Propeller(s) currently installed:

Manufacturer _____ Model _____

HUB Model _____ Serial _____ Serial _____

Blade Model _____ Serial _____ Serial _____ Serial _____

Blade Model _____ Serial _____ Serial _____ Serial _____

INSPECTION RECORD

F.A.R. 43.11 - 91.217

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
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03-06-07	4469.57	Remove Throttle Cable Replace with new replace Both main Tank Air Drain Replace O-rings Remove AXP50745058A
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09-01-07	Tach 4469.57 Total 4469.57	Lubr and Inspect Air Craft Service Battery Check Brakes EGT Test Prop 91.207(A) Oper By Function Test Check Static AD69-23-02 ee Control wheel Oper Check Rigidity AD76-02-12 mag switches function Oper
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I certify that this Aircraft has been inspected
 in accordance with a Manual
 inspection and was determined to be in an
 airworthy condition at this time.

AIRCRAFTERS, INC.

(951)304-1292

FRENCH VALLEY AIRPORT-F70

37552 WINCHESTER ROAD, BLD. 2 SUITE F, MURRIETA, CA 92563

DATE: 1/10/08 MODEL: PA 28-180 REG #: N 8973J OLD TACH: 4469.5 CORRECTED NEW TACH: 4515.5 W.O.: 073480

1. AIRCRAFT TIMES ARE AS FOLLOWS: AIRCRAFT TOTAL TIME IS THE TACH TIME ON THE NEW TACH: 4515.5 ENGINE TIME SINCE OVERHAUL: 1210.6 THE TACH HAS BEEN CORRECTED FOR THE TIME THE AIRCRAFT WAS FLOWN WITH TACH HOUR METER INOP.
2. INSTALLED A HORIZON INSTRUMENTS DIGITAL ELECTRICAL TACH AS PER INSTRUCTIONS, SEE FAA FORM 337 THIS DATE.
3. A NEW WEIGHT AND BALANCE WAS COMPLETED FOR THE FLY-WEIGHT STARTER THAT IS INSTALLED ON THE AIRCRAFT. SEE THE AIRCRAFT PAPER WORK.
4. A FAA FORM 337 WAS COMPLETED FOR THE MISSING 337 FOR THE PRECISE STAND-BY VACUUM SYSTEM. THE SYSTEM WAS INSPECTED AND FOUND TO COMPLY WITH THE PRECISE INSTALLATION INSTRUCTIONS.
5. C/W PIPER SB 1006 ON THE WING SPAR BEHIND THE FUEL TANKS BY INSTALLING AIR WARDS FUEL TANK KITS. NO CORROSION FOUND ON THE SPARS.
6. REPAIRED THE CRACKS ON THE AILERON BELLCRANKS BRACKETS IN BOTH WINGS BY INSTALLING DOUBLERS ON BOTH TOP BRACKETS AND SECURING THEM WITH RIVETS, SCREWS AND NUTS.
7. COMPLETED A 500 HR. INSPECTION ON BOTH MAGS. INSTALLED ONE NEW POINTS KIT P/N M3081. INSTALLED AND TIMED THE MAGS TO THE ENGINE USING NEW MAG GASKETS.
8. COMPLETED AN AD NOTE COMPLIANCE RECORD FOR THE AIRCRAFT, ENGINE, PROPELLER AND APPLIANCES.
9. C/W AD 98-02-08 ON CRANKSHAFT CORROSION BY INSPECTION AS PER SERVICE BULLETIN 505B. NEXT INSPECTION DUE @ 4615.5 OR 1/2009, DUE TO PITS FOUND @ THIS INSPECTION.
10. INSTALLED A DOUBLER ON THE TOP INBOARD OF THE LEFT FLAP TO COVER THE CRACKS AND STRAIGHTEN THE FLAP UNTIL A NEW SKIN ARRIVES FROM PIPER AIRCRAFT.
11. TROUBLE SHOOT THE ELECTRIC TRIM SLIPPING PROBLEM AND FOUND THE JACK SCREW IN TAIL NEEDED LUBRICATION.

THE AIRCRAFT IDENTIFIED ABOVE WAS REPAIRED IN ACCORDANCE WITH APPLICABLE FARs AND WAS FOUND TO BE AIRWORTHY FOR RETURN TO SERVICE.

BILL DAILED A Bill Daileda A&P 1910299

YEAR:

DATE:



AIE, Inc.

Avionics Instruments Electronics
FAA APPROVED REPAIR STATION DG3R448L

WORK REQUESTED

- Altimeter / Static / Transponder Transponder Leak Test
 Repair Only Retest Warranty

#1 #2 PRELIMINARY INSPECTION

- Pitot / Static System Leakage
 Pitot / Static System Blockage / Inoperative
 Encoder / Transponder Inoperative
 Encoder - Erroneous Altitude
 Altimeter Out Of Calibration / Friction
 Other _____

ALTIMETER/STATIC SYSTEMS TESTS (14 CFR 43 APP. E)
(TABLE 1) CALIBRATION (FEET) (REF. 91.411)

READING	ERROR #1 #2	TOL ±	READING	ERROR #1 #2	TOL ±	READING	ERROR #1 #2	TOL ±
-1,000	+20	20	3,000	+50	30	16,000	+20	110
-500	+20	20	4,000	+10	35	18,000	+20	120
0	+20	20	6,000	+30	40	20,000	+10	130
500	+10	20	8,000	+20	60	22,000		140
1,000	+10	20	10,000	+20	80	25,000		155
1,500	+15	25	12,000	+50	90	30,000		180
2,000	+20	30	14,000	+20	100	35,000		205

CORRECTIVE ACTION TAKEN

NONE

WORK ORDER

CUSTOMER BILL DIACEDA WORK ORDER / INV# 4444
AIRCRAFT # 94735 TACH/HOBBS 1501
MAKE PIPEL MODEL 160 SN# 26-2996
OWNER NAME _____
ADDRESS _____
CITY _____ STATE _____ ZIP _____
PHONE: HOME _____ WORK _____

#1 #2 TRANSPONDER TESTS (14 CFR 43 APP. F) (REF. 91.413)

- Reply freq 1090 ± 3.0 MHz
 Suppression P2=P1 (Replies 1% or less)
 P2 9 DB less than P1 (Replies at least 90%)
 Receiver Sensitivity (MTL) -73 ± 4 (DBM)
 Diff. between mode A & mode C not more than 1 (DBM)
 RF peak output - at least (125 W) not more than (500 W)
 Code switches display correct codes as selected
 Ident. & light operation

#1 #2

- Static System Leakage Less Than 100 ft/min @ 1,000 ft AGL
 Static Port Heater N/A

- (TABLE 2) #1 #2
 Hysteresis 50%
 Hysteresis 40%
 After Effect

- (TABLE 3)
 Friction Test
 Case Leak @ 18,000 ft

- (TABLE 4)
 Baro Scale Error

TEST RESULTS

Altimeter / Static Tests Pass Fail

#1 #2

Transponder Tests

#1 #2

YEAR:

RECORDING
TACH
TIMETODAYS
FLIGHTTOTAL
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.)

2008
5-1-08 DATE 4547.37/1534.3

- 1.) REMOVED + REPLACED COMPASS WITH NEW
NV2C-12 by S.I. P.S. NAVIGATION LTD, P/N 705553-02
P/N 705553-02
12V - INSTALLED IN EXISTING - MFC LOCATION - NO WT + BAL
CHANGE A/C COMPASS SWING + NEW COMPASS CIRCUIT INSTALLED
A/C - RETURNED TO SERVICE - Richard J. Phillips, IA #932983
SEE W/O 040308
2. REMOVED + REPLACED 8 DAY CLOCK WITH LC-2 ASTROTECH
14V - CLOCK ELECTRONIC @ ORIGINAL 8 DAY CLOCK LOCATION
NO WT + BAL CHANGE, ELECTRICAL LOAD - NEGLIGIBLE, 0.03A
A/C RETURN TO SERVICE
- 3.) DAVTRON OAT GAUGE #351C - LOCATED ON INSTRUMENT
PANEL + PROBE LOCATED AT RH SIDE FLOOR ROOT ON
FUSELAGE @ STA 68.1 - NO WT + BAL CHANGE - LESS THAN .5 IN
HL WT. A/C RETURN TO SERVICE
4. REMOVED + REPLACE WING UP LANDING LIGHT LENS LTRH
5. ALL WORK DONE IN ACCORDANCE WITH PIPEL
SERVICE + PARTS MANUAL / AC 43.13-1 GUIDELINES
LC CERTIFY THIS A/C FOR RETURN TO SERVICE.

5-1-08

Richard J. Phillips, IA #932983

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				

Southern Avionics & Communications, Inc.
CRS HW4R427M
Mobile Downtown Airport
2495-A Michigan Avenue / Mobile, AL 36615

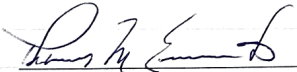
N# 8973J WO# See Below Date 08/18/08

W.O. 86387 - Removed ADF-31 ADF Receiver P/N M-04219-1 and mounting tray.

W.O. 86401 - Removed IIMorrow Flybuddy Loran Receiver P/N 4306004-006 S/N 01022827 and Loran Antenna.

Weight and Balance/Equipment List updated.

D. Joiner
Technician / HW4R427M


Inspector / HW4R427M

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				


Southern Avionics & Communications, Inc.
CRS HW4R427M
Mobile Downtown Airport
2495-A Michigan Avenue / Mobile, AL 36615

N# 8973J WO# 86411 Date 08/19/08

Installed Whelen Anti-Collision Strobe Light System P/N 01-0770900-04.
Installation accomplished per Whelen Document # 13828D and approved for installation in this aircraft under STC # SA615EA issued to Whelen Engineering Corporation Inc. on 14 May 68 and revised 17 June 05.

Weight and Balance/Equipment List updated.

W. P. Wimberly
Technician / HW4R427M


Inspector / HW4R427M

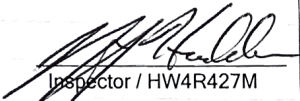
YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
DATE				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

Southern Avionics & Communications, Inc.
CRS HW4R427M
 Mobile Downtown Airport
 2495-A Michigan Avenue / Mobile, AL 36615

N#	8973J	WO#	86435	Date	8-22-2008
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Removed defective altimeter United 5934PA S/N D2836. Installed overhauled exchange altimeter United 5934P-1A.163 S/N 3H743. Tested static system leak free. No change to weight and balance.

William Wimberly
 Technician / HW4R427M


 Inspector / HW4R427M

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

Southern Avionics & Communications, Inc.
CRS HW4R427M
 Mobile Downtown Airport
 2495-A Michigan Avenue / Mobile, AL 36615

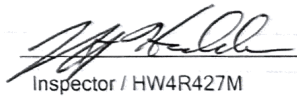
N#	8973J	WO#	86435	Date	8-22-2008
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Altimeter #1 United p/n 5934P-1A.163 s/n 3H743 20,000 ft
 Altimeter #2 ----- p/n ----- s/n ----- ft

The listed altimeters have been tested and found to comply with FAR 43, App E. The static system was tested as required by FAR 91.411 and found to comply with FAR 43, App E. The listed Transponders and transponder automatic altitude reporting system have been tested as required by FAR 91.411/413 and found to comply with FAR 43, App E & F.

Transponder #1 Narco p/n AT-150 s/n 17362
 Transponder #2 ----- p/n ----- s/n -----

William Wimberly
 Technician / HW4R427M


 Inspector / HW4R427M

YEAR: <u>2008</u>	RECORDING TACH TIME <u>1</u>	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.)
<u>DATE</u>				
<u>SEPT 2</u>	<u>4580.9</u>	<u>HoBB</u>	<u>1569.1</u>	<u>1 - A/C SERVICED IN ACCORDANCE WITH PIPER SERVICE MANUAL ALL WORK + SERVICE ACCORDING TO ACCEPTED PRACTICES, CABLES PULLEYS + CONTROL SURFACES CHECKED + LUBBED, BRAKES CHECKED + SERVICED 3/4 PADS REMAIN, MAIN GEAR + NOSE GEAR BEARINGS CHECKED + GREASED A/C RETURN TO SERVICE</u>
	<u>TT</u>			
<u>A/C EWT: 1367.06</u>	<u>EWCG 86.905</u>			
<u>USEFUL LOAD 1032.94</u>				

TACH 4580.9
 Hobb 1569.1
 ELT Battery Due Date: 10-1-09
 ELT OPS check okay. All AD's complied with. See AD List. I hereby certify that the Aircraft Engine Propeller has been inspected IAW an ANNUAL inspection and found to be in an airworthy condition.
 Richard F. Sella A&P-IA 1932983
 Signature Richard F. Sella Date: 9-2-08
4580.9-TTAF

YEAR:	Date:	Tach Time:	Airc. Model #:	Alterations Number of cific entries.)
	<u>Dec 23, 2008</u>	<u>4610.98</u>	<u>PA28-180</u>	
	<u>Airc. S/N: 28-2996</u>	<u>N#: N8973J</u>		
<u>DATE</u>	<u>C/W AD69-15-01 by removing caps on control wheels and inspecting wheel around mount pins, no cracks noted, do re-inspection in 100 hours. Installed new mixture cable. Striped dressed and repainted prop, reinstalled torqued and tracked prop. Installed new nose wheel tire P/N 072-314-0 S/N 8146W00204, cleaned and repacked nose wheel bearings. Installed new landing light bulb P/N 4509.</u>			
	<u>Don L. Stephenson</u> <u>Don L. Stephenson</u> <u>A&P 2802309</u>			
	<u>Date: Jan 08, 2009</u>	<u>Tach Time: 4616.3</u>	<u>Airc. Model #: PA28-180</u>	
	<u>Airc. S/N: 28-2996</u>	<u>N#: N8973J</u>		
	<u>C/W AD95-26-13 by making and installing new oil cooler hoses with fire sleeve, ran engine and leak checked, no leaks noted. Hoses due replacing in 1000 hrs. or 8 yrs. Checked ignition switch operation and all wire connection on tach system, Ops check on both systems checked good.</u>			
	<u>Don L. Stephenson</u> <u>Don L. Stephenson</u> <u>A&P 2802309</u>			

YEAR: Date: Oct. 02, 2009 Tach Time: 4663.0 Model #: PA28-180
 S/N: 28-2996 N#: N8973J
Alterations
 (Number of specific entries.)

DATE Cleaned fuel strainer. Lubed all hinges and pulleys. Serviced landing gear struts, Serviced brake System. Cleaned and repacked all wheel bearings. C/W AD69-15-01 by removing caps on control wheels and inspecting wheel around mount pins, no cracks noted, do re-inspection in 100 hours. C/W AD 99-24-10 performed 24 month inspections on Standby Vacuum System for compliance, disconnected vacuum pump hose at SVS shuttle valve. Installed instrument air filter and capped hose in accordance with Precise Flight instructions for function check of the Standby Vacuum System. Installed new main battery P/N RG-35 AXC S/N 40323329. Dressed and repainted prop as needed. Installed new ELT battery dated Dec. 2011. Tested ELT in this aircraft according to applicable FAA guidance and found that it meets requirements of FAR 91.207(d).
 I certify that this aircraft has been inspected in accordance with a Annual inspection and is approved for return to service

Robert L. Woods
 Robert L. Woods
 A&P 1904298 I&A
 Woods Aviation Inc.

Date: 10/02/2009 Reg. #: N8973J Tach. Time: 4663.7
 Make: Piper Model: PA28-180 Serial #: 28-2996
Alterations
 (Number of specific entries.)

Removed filter installed for SVS function test. Reconnected vacuum pump hose to shuttle valve to return to STC configuration. Test ran to verify proper operation after return to STC configuration. Operation normal. No defects noted. Installed new power chart placard.

APPROX. STANDBY VACUUM AVAILABLE - ALTITUDE - POWER CHART
 FOR AIRCRAFT WITH FIXED PITCH PROPELLER

PRESS. ALT.	RPM	SVS VACUUM IN. HG. MIN.
2000	2385	3.5
4000	2300	3.5
6000	2270	3.5
8000	2160	3.5
10000	2000	3.5

Robert L. Woods
 Robert L. Woods
 A&P 1904298
 Woods Aviation Inc.

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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DATE: _____

Date: Nov. 09, 2011
 Airc. S/N: 28-2996
 Installed new left main tire Michelin 6.00-6/4/120 S/N 1129S00386
Don L. Stephenson
 Don L. Stephenson
 A&P 2802309

SPARKCHASERS
 Aircraft Services, Inc.
 AIRFRAME LOGBOOK ENTRY
 TACH TIME: 4768.68
 HOBBS: -----
 A/C REG. #: N8973J

AC MAKE: PIPER
 AC MODEL: PA 28-180
 AC S/N: 28-2996

Date: December 23, 2011

Troubleshoot leaking static system and found numerous leaks behind instrument panel due to old and various style fittings and hoses. Converted static system to polyflo hoses and fittings to correct leaking problems. Upon completion of work, checked both static system and pitot system and found no leaks. Removed, repaired and reinstalled Narco AT150 TSO Transponder s/n 17362. WO# 101050 on file at Sparkchasers Aircraft Services, Inc., FAA CRS# XSPR699K.

Signed *Oliver Holzb* 2437577
 Sparkchasers Aircraft Services, Inc.
 FAA CRS# XSPR699K

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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DATE: _____

SPARKCHASERS TACH TIME: 4768.68
 Aircraft Services, Inc. HOBBS: -----
 AIRFRAME LOGBOOK ENTRY A/C REG. #: N8973J

AC MAKE: PIPER
 AC MODEL: PA 28-180
 AC S/N: 28-2996

Date: December 23, 2011

I certify that the altimeter and static system tests and inspections required by FAR 91.411 have been performed. The LH Altimeter, P/N United Instruments 5934P-1, S/N 3H743 certified to FAR Part 43, Appendix E by Sparkchasers Aircraft Services, Inc., CRS# XSPR699K on WO# 101050 was tested to 20,000 ft. on 12/22/2011. The associated altitude reporting system was tested to 20,000 ft. Details related to certification are on file under WO# 101050, dated 12/21/2011.

I certify the below transponder(s) has(have) been inspected and found to comply with the requirements of FAR Part 91.413 on Work Order No. 101050, dated 12/21/2011.

#1 Transponder: Make Narco Avionics, Model AT150 TSO, S/N 17362.
 Signed *Oliver Holzb* 2437577
 Sparkchasers Aircraft Services, Inc.
 FAA CRS# XSPR699K

YEAR:	RECORDING TACH	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
	March 20, 2012			Total Time: 4770.7 Model: PA-28-180 Tach: 4770.7 N8973J


DATE

Lubed all cables, pulleys and hinges.
 Tested ELT system in accordance
 With 91.207d. Installed new battery. Expires April 2014.
 Replaced broken nutplate in bottom cowl attachment plate. Fuel
 Selector valve leaking no detent, cleaned and lapped valve assembly
 Installed new o-ring seals. C/W AD 69-22-02R2 Control Wheel
 Cracks no defect noted. AD 72-08-06 Main Landing Gear Torque due
 At 4914.0 Tach. C/W AD 98-02-08 Crankshaft Inspection minor pitting
 Noted. Next due 100 hour or Annual Inspection. C/W AD 99-24-10 Standby
 Vacuum no defects noted. Replaced brake linings left main. Check engine
 Oil pressure with direct gauge found oil pressure within limits.
 AD 2012-03-07 Mixture Control N/A by Part Number.

I certify that this airframe has been inspected in accordance with an
 Annual inspection and is determined to be in an airworthy condition.
Don L. Stephensen
 Don L. Stephensen 2802309IA

REPLACE ELT BATTERY BY:
 APR 2014

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	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
				 <p>DATE: 7-18-12 N#8973J TACH: 4815.28 AFTT: ? SMOH: ?</p> <p>"AIRFRAME" REPLACED VACUUM PUMP WITH NEW RAPCO 215CC S#A43571 INSTALLED PLUG CONNECTOR FOR LANDING LIGHT ON FIREWALL REPLACED LANDING LIGHT BULB WITH NEW GE4509 AIRCRAFT LOG BOOKS NOT PRESENT AT TIME OF REPAIRS AIRWORTHINESS OF AIRCRAFT UNKNOWN (End)</p> <p>CHARLES LITTON AP554936242 <i>Charles Litton</i></p>

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				

MHC Aviation, Inc.
805.341.2025

4555 West Ave "G" (WJF)
Lancaster, California 93536

Date 03/27/2013
ACTT 4837.25 Hrs.

Tach 4837.25 Hrs.
SMO 1533.05 Hrs.

Aircraft N8973J
STOH

Complied with AD 69-22-02 on control yolks, no cracks noted at this time.
Complied with AD 13-02-13 per Piper SB 1245A, no cracks, corrosion or cable fraying noted at this time, reset cable tensions and rigged. Replaced RH fuel drain with new part and sealed area around drain on exterior tank. Replaced fuel cap seals on both LH and RH tanks. Set all landing gear strut extensions to proper limits. Replaced wheel bearing felts on RH main wheel and nose wheel. Rebuilt park brake actuator with new o-rings and bled brake system with MIL-5606 hydraulic fluid. Replaced vacuum air and regulator filters with new parts. I certify that this aircraft has been inspected in accordance with a 100 hours inspection and was determined to be in airworthy condition and was returned to service.

Michael Haney
Michael Haney
2839678 A & P


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				

Date 3/27/13 Tach 4837.25

TE 4837.25

I certify that this aircraft / engine has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition per applicable FAA service manual.

Signed: *Michael Haney* A/P 2839678

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				
				Date: <u>May 03, 2013</u> Tach: 4849.37 Registration #: <u>N8973J</u> Hobbs: 1844.2
				Reinstalled factory repaired TKM MX170B Serial#3899 #1 Nav/Com. No change in Weight and Balance. Reference invoice #747.
				 Jeff Landon High Desert Avionics Inc. Repair Stn. HD7R252J

MHC Aviation, Inc.
805.341.2025

4555 West Ave "G" (WJF)
Lancaster, California 93536

Date 06/12/2013
ACTT

Tach 4866.8 Hrs.
SMO

Aircraft N8973J
STOH

Complied with AD72-08-06 on Piper main landing gear links per para a, b, c1 & c2 and no cracks noted at this time. Removed and replace LH wing fuel sump drain with new part. Aircraft returned to service only for work done at this time.


Michael Haney
2839678 A & P

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.)
2013 DATE				
8-10	4881.1			Hobbs time 1875.6. Left main tire removed. Tube patched. All parts cleaned, bearings re-packed. Wheel re-assembled and re-installed on aircraft. NATHAN JORDAN <i>Nathan Jordan</i>

MHC Aviation, Inc.
805.341.2025

4555 West Ave "G" (WJF)
Lancaster, California 93536

Date 1/31/2014
ACTT

Tach 4910.13 Hrs.
SMO

Aircraft N8973J
STOH

Performed 25/50 hours inspection. Installed Knots 2U aileron and stabilator gap seals in accordance with STC SA603GL with reference to the manufacturers installation instructions. Weight and balance change negl. Form 337 submitted. Aircraft returned to service only for work performed at this time.


Michael Haney
2839678 A & P

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				

MHC Aviation, Inc.
805.341.2025

4555 West Ave "G" (WJF)
Lancaster, California 93536

Date 2/16/2014
ACTT

Tach 4911.5Hrs.
SMO

Aircraft N8973J
STOH

Removed and replaced alternator with overhauled unit (p/n 4111801R), installed Piper alternator mounting kit and strut assembly. Removed and replaced vac pump drive shaft with new unit and reinstalled pump using new gaskets and shaft seal. Ground ran for leak test and ops check-normal. AIRCRAFT returned to service only for work performed at this time.

Jeffrey Haney
3210092 A & P
Jeffrey Haney

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				

MHC Aviation, Inc.
805.341.2025

4555 West Ave "G" (WJF)
Lancaster, California 93536

Date 03/28/2014
ACTT 4921.26 Hrs.

Tach 4921.26 Hrs.
SMO 35.46 Hrs.

Aircraft N8973J
STOH

Removed and replaced RH inboard aft upper wing skin with new part as per original-p/n 62061-804, replaced RH MLG tire, RH fuel quantity sender gasket and LH fuel drain valve all with new parts. ELT tested in accordance with FAR 91.207, para "D". I certify that this aircraft has been inspected in accordance with a 100 hours inspection and was determined to be in airworthy condition and was returned to service.

Date 3/28/14 Tach 4921.26 Hrs Michael Haney
ACTT 35.46 Hrs.
Michael Haney
2839678 A & P

I certify that this aircraft engine has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition per applicable PIPER service manual.
Signed Michael Haney 2839678/A

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				

High Desert Avionics
 FAA Approved Repair Station#HD7R252J
 A/C: PA28-180 N#: N8973J Date:03-27-14

Total Time:4921.26

ATC Transponders & Encoding systems have been tested & inspected in accordance with FAR part 43 appendix E&F 91-413. I certify that the Altimeter, static systems, and interrogation tests required by FAR 91.411 have been performed. The altimeter was tested to 20,000 feet. Reference invoice#1243.

Signed: 

7/9/14 ^{HOBBS} FRICT = 1920.2 hrs.

REMOVED & REPLACED ELT BATTERY WITH NEW UNIT. TESTED ELT IAW FAR 91.207, PARAD. NEXT BATTERY DUE DATE 10/2016. ^{ending R} ELT BATTERY ANTENNA W/NEW PAINT. ^{any}

W. M. H. 5829678 A&D

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				



WE BARE COLORS SOAR

Santa Maria Airport (SMX), CA 93455 JUL 09 2014

2595-12 N8973J S/N: 28-2996 Piper PA-28-180
 Hobbs: 1920.2

Prepared exterior surfaces for painting; Aircraft was chemically stripped with dichloromethane B-12. Aircraft was then washed, etched, alodined, and primed with Anti-Corrosion Epoxy primer. Aircraft was then painted in accordance with customer provided paint scheme with the following paint:
 Alumigrip; Matterhorn White #G1619, Alumigrip; Verde Green #4400E99069, Alumigrip; Cumulus Gray #4400E99143, Alumigrip; Medium Gray #4400E99162

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				
	Date: Nov. 24, 2014	Tach: 4975.0	Reg#: N8973J	
	Replaced existing VHF comm antennas with owner supplied Comant CI-121 VHF comm. Antennas. Replaced VHF comm. Coax cables, and all related coax connectors. No change in weight and balance. Reference invoice# 1580.			
	Jeff Landon High Desert Avionics Inc. Repair Stn. HD7R252J			
	Date: Nov. 24, 2014	Tach: 4975.0	Reg#: N8973J	
	Removed existing KX170B/KI-209/KN75 nav/comm system. Installed Garmin GTN650WAAS Serial# 1Z8016932, GI-106A Serial# H-14-10182 and GA35 Serial# 110784, as per STC# SA02019SE-D. See Airplane Owners Manual for form 337, ICA, AFMS, and change in weight and balance. Reference invoice# 1580.			
	Jeff Landon High Desert Avionics Inc. Repair Stn. HD7R252J			

MH Aviation, Inc.
805.341.2025

4555 West Ave "G" (WJF)
Lancaster, California 93536

Date 05/01/2015 Tach 5020.57 Hrs. Aircraft N8973J
ACTT 5020.57 Hrs. SMO 134.77 Hrs.

Removed and replaced o-ring and quad seals in nose landing gear strut, serviced with hydraulic fluid and set extension with nitrogen, removed and replaced RH fuel quantity sender with overhauled unit from Air Parts of Lockhaven with new gasket and screw seals. ELT tested in accordance with FAR91.207, para "D". All work performed with reference to the Piper PA28 parts/maintenance manuals. I certify that this aircraft has been inspected in accordance with a 100 hours inspection and was found to be in airworthy condition and returned to service.

Michael Haney
Michael Haney
2839678 A & P

Date 5/1/15 Tach: 5020.57 Hrs.

TT: _____
I certify that this aircraft engine has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition per applicable PIPER service manual.

Signat: *Michael Haney* 2839678 A & P



Peak Aviation
1587 Aviation Way
Colorado Springs, Colorado, 80916

N8973J

Airframe Maintenance Log Entry

Entry	Date	Total Hours	Tach Time	Hobbs	Description of Work Completed	Mechanic	FAA Cert
1	07/04/17	5099.8	5099.8		Performed an ANNUAL inspection on airframe IAW Piper PA-28-180 Maintenance Manual Issue Number: 753-586, Dated Jan 31, 2008. ELT Battery inspected IAW CFR Part 91.207(d). ELT Batt replacement due Sept 2018. C/W AD 69-22-02 R2, visual inspection of the control wheels IAW SL 527D. C/W AD 99-24-10 by inspection of the standby vac system. Cleaned and lubed controls. Cleaned, inspected and repacked main landing gear wheel bearings and nose wheel bearings. Serviced Brake system. Replaced vacuum sponge filter PN: ARB3-5-1. Tightened cable tensions for Rudder, Aileron and elevator controls.	Robert K Pickett	A&P 3710569 IA

I certify this AIRCRAFT has been inspected in accordance with an ANNUAL INSPECTION as per the aircraft manufacturer's inspection criteria and was determined to be in an AIRWORTHY condition.

Robert K Pickett



Peak Aviation
1587 Aviation Way
Colorado Springs, Colorado, 80916

N8973J

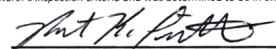
Airframe Maintenance Log Entry

Entry	Date	Total Hours	Tach Time	Hobbs	Description of Work Completed	Mechanic	FAA Cert
2	12/06/17	5113.2	5113.2	2111.5	Replaced tail position light. Serviced left main landing gear with air. Repaired ground on tail position light. All work done IAW Piper PA-28-180 Maintenance Manual Issue Number: 753-586, Dated Jan 31, 2008.	Robert K Pickett	A&P 3710569 IA


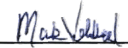
I certify this aircraft has been maintained as detailed herein and in accordance with the appropriate documentation referenced and is hereby returned to service.


Robert K Pickett

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
				<p>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)</p> <p>Piper / PA-28-180 N8973J Tach: 5123.22 Hobbs: 2121.5 April 18, 2018 Transponder Make/Model Narco / AT 150 S.N. 17362 in this A/C has been inspected IAW Title 14 CFR 91.413 and found to comply with the specifications of Title 14 CFR 43 App F. Altimeter Make/Model United / 5934P-1, S.N. 3H743, Encoder Make/Model Narco / AR850 S.N. 23616, and the Static System have been inspected IAW Title 14 CFR 91.411 and found to comply with the specifications of Title 14 CFR 43 App E. Details on file under MTSWO 80433 CRS TJJR625X Alan Spencer - Inspector <i>Alan R</i> Date 4-8-2018 Mobile Transponder Services, LLC. 6015 W Condor Rd Peyton, CO 80831 Phone: 719-251-8251</p>
DATE				

Entry	Date	Total Hours	Tach Time	Hobbs	Description of Work Completed	Mechanic	FAA Cert
DA	6/13/2018	5133.8	5133.8	2132.1	Performed an ANNUAL Inspection on airframe IAW Piper PA-28-180 Maintenance Manual Issue Number: 753-586, Dated Jan 31, 2008. ELT Battery inspected IAW CFR Part 91.207(d). ELT Batt replacement due Sept 2018. C/W AD 69-22-02 R2, visual inspection of the control wheels IAW SL 527D. C/W AD 99-24-10 by inspection of the standby vac system. Cleaned and lubed controls. Cleaned, inspected and repacked main landing gear wheel bearings and nose wheel bearings. Serviced Brake system. Replaced both main landing gear brake linings.	Robert K Pickett	A&P 3710569 IA
I certify this AIRCRAFT has been inspected in accordance with an ANNUAL INSPECTION as per the aircraft manufacturer's inspection criteria and was determined to be in an AIRWORTHY condition. 							

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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 PEAK AVIATION 1587 Aviation Way Colorado Springs, Colorado, 80916					N8973J Airframe Maintenance Log Entry		
Entry	Date	Total Hours	Tach Time	Hobbs	Description of Work Completed	Mechanic	FAA Cert
1	12/5/2018	5179.3	5179.3	2177.0	Remove and Replace ELT Battery, which was supplied by Customer. Tested new ELT Battery function, Ops Check Good. Next ELT Battery Change is Due February 2021.	Mark Vehlewald	A&P 2739605
I certify this aircraft has been maintained as detailed herein and in accordance with the appropriate documentation referenced and is hereby returned to service. 							

Registration N8973J Model: PA-28-180 Serial 28-2996 Hobbs: 2185.3
 ACT: 5187.0
 Complied with AD18-07-03 FUEL TANK SELECTOR PLACARDS by visual inspection.

 James T. Prouty A&P/IA 2556709 19 Feb 19

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

Hangar 18 Aviation LTD

Date: 7 July 2019 Registration: N8973J Model: PA-28-180 Serial: 28-2996 *ACTI 5315.7*

Hobbs: 2314.0 Engine Model: O-360-A3A

Replaced oil dipstick and filler neck, serviced main tires to 24 psi, lubricated fittings re PA-28-180 100 hr/annual checklist, cleaned and lubricated all wheel bearings, C/W AD69-22-02 R2, Visual Inspection of Control Wheels, C/W AD99-24-10 Inspection of STBY Vacuum System, tested ELT per 91.207. Performed annual inspection IAW part 43 Annex D, Re Piper Seneca Service Manual. Aircraft found to be in airworthy condition.



James T. Prouty, A&P/IA, 2665709

Hangar 18 Aviation LTD

Date: 12 July 2019 Registration: N8973J Model: PA-28-180 Serial: 28-2996 *ACTI: 5315.7*

Hobbs: 2314.0 Engine Model: O-360-A3A

Replaced LH position/anti-collision light with Uavionix SkyBeacon assembly part number UAV-1002305-001 re SkyBeacon STC Installation Guide, document #UAV-1002305-01. Used existing OEM position light circuit and confirmed installation re AC43.13-1B chap 11 section 5&6. ADS-B test flight flown with successful results, see PAPR report dated 13 Jul 19. Flight manual and ICA supplement provided.



James T. Prouty, A&P/IA, 2665709

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

END OF LOG

SEE LOG #4