

AIRCRAFT LOG

  
**Piper**

**AIRCRAFT LOG**

THE NEW  
PIPER AIRCRAFT, INC.

General Offices at  
Vero Beach, Florida  
U.S.A.

N4145Z

Aircraft  
Registration number

Part No. 230715

NOTICE

Making false entries in this book is a violation of government regulations and is punishable by civil penalty.

PAINT TYPE: DUPONT IMRON 6000

AIRCRAFT DESCRIPTION

Registration No. N4145Z

Model: PA-32R-301 Popular Name: SARATOGA II HP

Serial No.: 3246142 Type Certificate No. A350

Colors: WHITE / MAROON & BEIGE / MAROON

Engine Manufacturer: LYCOMING Serial Numbers: Single L-27007-48A

Original Engine Model: IO-540-K1G5 Left \_\_\_\_\_ Right \_\_\_\_\_

Propeller Manufacturer: HARTZELL Hub or Serial Number: Single HK423A

Original Propeller Model: HC-I3YR-IRF Left \_\_\_\_\_ Right \_\_\_\_\_

Blade Numbers

Left	Right
<u>J26545</u>	_____
<u>J26541</u>	_____
<u>J26542</u>	_____

**1999 MODEL**




AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	Brought Forward →	Total		
AUG 09 1999		7.0	I HAVE INSPECTED THIS AIRCRAFT AND ISSUED A STANDARD AIRWORTHINESS CERTIFICATE DATED <u>AUG 09 1999</u> 1/A/W FAR 21.189(a) PER 21.273 <u>[Signature]</u> FAA DOA SO-1 <b>RICHARD L. MURDOCK</b> THE ALTIMETER AND STATIC SYSTEM TEST REQUIRED BY FAR PART 91.411 HAVE BEEN PERFORMED. THE ALTIMETER(S) HAVE BEEN TESTED TO <u>20,000</u> FT. ONILT <u>6/16/99</u> IR <u>N/A</u> SIGNED <u>[Signature]</u> DATE <u>AUG 09 1999</u> <b>RICHARD L. MURDOCK</b>	
Total To Carry Forward		7.0	The ELT is installed per FAR 91.207. Battery replacement date <u>6/30/01</u> <u>[Signature]</u> D.O.A. No. SO-1 The New Piper Aircraft, Inc. <b>RICHARD L. MURDOCK</b>	

Registration No. N4145Z

and Remarks	Signature	Certificate No.
<div style="border: 1px solid black; padding: 5px;"> <p>The ATC Transponder Tests and Inspections required by FAR 91.413 were performed this date and found to comply with FAR 43, Appendix F.</p> <p>ATC Transponder</p> <p>1. Make <u>GARMIN</u> Model <u>GTX-320</u> S/N <u>83500418</u></p> <p>2. Make <u>N/A</u> Model <u>N/A</u> S/N <u>N/A</u></p> <p>Details of this inspection are on file at this facility under S/N <u>3246142</u> Date <u>7/8/99</u></p> <p>O.A. Inspector <u>[Signature]</u></p> <p>THE NEW PIPER AIRCRAFT, INC. VERO BEACH, FLORIDA</p> <p><b>RICHARD L. MURDOCK</b></p> <p>THE AUTOMATIC PRESSURE ALTITUDE REPORTING EQUIPMENT TEST REQUIRED BY FAR PART 91.217 HAVE BEEN PERFORMED THIS DATE: <u>7/8/99</u> SIGNED <u>[Signature]</u> <b>RICHARD L. MURDOCK</b></p> </div>		

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
LOGBOOK ENTRY				
DATE 8-8-00				
MFG PIPER			MODEL PA-32R-361	
A/C REG N4458			S/N 3846142	
SO# 33254			HOBBS 1958	
REMOVED LOANER GARMAN AUDIO PANEL GMA 340 S/N 94400330 AND INSTALLED S/N 96250618 AS REPAIRED BY FACTORY				
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.				
 MAYDAY AVIONICS INC CRS# IT5R947M				
Total To Carry Forward				

MAINTENANCE RELEASE

COMPONENT PCB 3 SERIAL NO. N/A  
 PART/MODEL NO. 03578

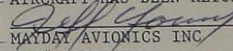
Overhaul  Repair  Inspected  New

The Aircraft Appliance identified above was overhauled, repaired, Functional tested or is new as per block above in accordance with current Federal Aviation Administration Regulations and is approved for return to service. Details of this component are on file at this agency under

Work Order # 259845 Date 7-26-00  
 Authorized Signature S. Howard P/N 6640

~~SIN 20114 FOR 2007~~  
~~SIN 1380 DK FOR 227 - ALSO EXCHANGED~~  
 BEZEL AND PC BOARD IN AIR COMPUTER

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.

  
 MAYDAY AVIONICS INC  
 CRS# IT5R947M

AIRCRAFT LOG

NORTHERN AIR INC.

LOG BOOK ENTRY  
 Make: PIPER  
 Total Time: 28.5  
 Dated: 09/21/99  
 Model: PA32R-301  
 Hobbs Time: 28.5  
 # 4145Z  
 SN: 3246142

Serviced tires to specifications per PA32R-301 maintenance manual.

The work identified above was performed in accordance with the current Federal Aviation Regulations and was found to be airworthy for return to service. Pertinent details are on file at this agency under:

W/O# 33068 Signed: [Signature]  
 DATED: 09/21/99 for  
 NORTHERN AIR INC., CRS# NB1R812N, Kent County Int'l Airport, GRR, MI. 49512

Tok.  
 Carry Forward

Registration No.

LOGBOOK ENTRY

DATE 8-24-00 MODEL PA32R-301  
 MFG PIPER S/N 3246142  
 A/C REG N4145Z HOBBS 195.9  
 SO# 34106  
 COMPLETED WITH PIPER 318 1026  
 BY FOLLOWING GARMIN 9905  
 MODIFIED GNS 430 #1 S/N 963014CN  
 ADD GNS 430 #2 S/N 96301404 TO MOD 1

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.  
 [Signature]  
 MAYDAY AVIONICS INC  
 CRS# IT5R947M

Signature

Certificate No.

AIRCRAFT LOG

NORTHERN AIR

LOG BOOK ENTRY  
 Make: Piper  
 Total Time: 195.8  
 Dated: 08/18/00  
 Model: PA 32R-301  
 Hobbs Time: 195.8  
 N# 4145Z  
 SN: 3246142

Performed annual inspection on this airframe per Piper PA 32R-301 Maintenance Manual  
 Performed annual ELT inspection and operational checks per FAR 91.207(d) battery due 6/01.  
 Installed new gyro central air filter.  
 Installed new vacuum regulator filter  
 Performed 50 and 100 hour lube items  
 Repaired lower aft passenger door and painted upper door frame.  
 Removed and cleaned airconditioner evaporator filter.  
 Serviced battery.  
 Adjusted rudder and aileron cable tensions and safted per Piper PA32R-301 maintenance manual.  
 Dressed propeller blades.  
 Installed new battery sump jar vent elbow.  
 Installed a overhauled right main gear actuator P/N SFA232-5, ref RTS tag MMF# 321-10 ops and leak checks good.  
 Installed new landing gear hydraulic pump P/N 38992-804 per Piper PA32R-301 maintenance manual  
 ops an leak checks good.

CONTINUED ON PAGE # 2

To  
 Carry Forward

SERVICEABLE PART TAG  
 MAINTENANCE RELEASE

PART NAME: Cylinder  
 PART MODEL: N/A  
 PART MFG: Parker Hannifin  
 PART NUMBER: SFA232-5  
 PART PAC NUMBER: 455-994  
 PART SERIAL NO: N/A

THE AIRCRAFT COMPONENT IDENTIFIED ABOVE WAS INSPECTED, TESTED, REPAIRED, OVERHAULED, RESULT, MODIFIED, UPGRADED OR IN ACCORDANCE WITH TITLE 14 OF THE CODE OF FED. REG. (CFR) MANUFACTURER'S PROCESS SPEC. AND TYPE DESIGN DATA AND IS APPROVED FOR RETURN TO SERVICE.

PERTINENT DETAILS OF THE REPAIR OR MAINTENANCE ARE CONTAINED ON WORK ORDER # 928217B WHICH IS ATTACHED TO THIS MAINTENANCE RELEASE TAG AND IS ALSO ON FILE AT THIS FACILITY.

DATE: 08/08/00  
 SIGNED: Ronald J. Maynard  
 (SIGNATURE OF AUTHORIZED INDIVIDUAL)

THE NEW PIPER AIRCRAFT, INC.  
 2926 PIPER DRIVE  
 VERO BEACH, FL 32961  
 MMF NO. 321-10  
 124-37 (6/92)



AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		

NORTHERN AIR

LOG BOOK ENTRY  
 Make: PIPER  
 Total Time: 287.3  
 Installed new left and right main gear tires with new tube in right side, cleaned and serviced wheel bearings and installed per Piper PA32R-301 maintenance manual.  
 The work identified above was performed in accordance with the current Federal Aviation Regulations and was found to be airworthy for return to service. Pertinent details are on file at this agency under;  
 DATED: 02/26/01  
 W/O# 34860  
 Signed: [Signature]  
 for  
 NORTHERN AIR INC., CRS# N81R812N, GERALD R, FORD INTL AIRPORT, GRR, MI. 49512

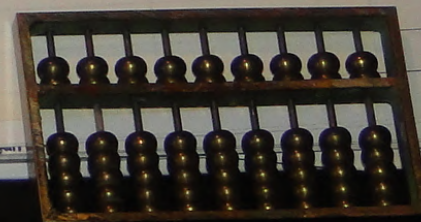
Total To  
 Carry Forw

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

and Remarks	Signature	Certificate No.
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NORTHERN AIR

LOG BOOK ENTRY  
 Make: PIPER  
 Total Time: 290.5  
 Installed a new right wing inboard fuel quantity sending unit P/N 486-467, S/N 1351, and calibrated system per Piper PA 32R-301 maintenance manual ops and leak checks good.  
 Repaired paint chip in lower engine cowl and painted.  
 The work identified above was performed in accordance with the current Federal Aviation Regulations and was found to be airworthy for return to service. Pertinent details are on file at this agency under;  
 DATED: 03/05/01  
 W/O# 34885  
 Signed: [Signature]  
 for  
 NORTHERN AIR INC., CRS# N81R812N, GERALD R, FORD INTL AIRPORT, GRR, MI. 49512



AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
5-15-01	Brought Forward →	297.7		REMOVED NARCO AR-850 ENCODER. INSTALLED SAE5-35 ENCODER. INSTALLED UPS AT MX-20 MFD IN RIGHT CENTER RADIO STACK. INSTALLED B.F. GOODRICH WX-500 STORMSCOPE. ABOVE SYSTEMS GROUND TEST GOOD. ALL WORK DONE PER: AC 43.13-1B CHAPS. 10, 11, 12, AC 43.13-2A CHAPS. 2, 3, AC 20-138, MANUFACTURERS INSTALL HANDUALS. WT & BAL. COMPUTED AND EQUIP. LIST REVISED. <i>Don J. Bentley</i> FOR L9PR971N.

Carry Forward

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

and Remarks	Signature	Certificate No.
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10/11/01 389.7

REPLACED NOSE TIRE 500x5A 6-ply CONDOT TIRE - RE-PRICE

WHEEL BEARINGS. *But Bentley* FOR

LAPPEER AVIATION, INC.  
F.A.A. Approved Repair Station No. L9PR971N  
DuPont Lapeer Airport, Lapeer, Michigan 48446

MAYDAY AVIONICS, INC. N4145Z  
DATE: 10-17-01 REPAIR STA: IITSR947M  
Certified Altimeter, Transponder, Static System & En-  
coder I.A.W. 91.411 & 91.413. System complies with  
paragraph (c), appendix E, of Part 43. Certified to  
20,000 feet.

*Don J. Bentley*  
310 # 36375



AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		

NORTHERN AIR

Airframe  
LOG BOOK ENTRY  
Make: PIPER  
Total Time: 391.2

Dated: 10/19/01  
Model: PA32R-301  
Hobbs Time: 391.2

N# 4145Z  
SN: 324614Z

Performed a annual inspection on this airframe per the PIPER PA32R-301 maintenance manual.  
Performed annual ELT inspection and operational checks per FAR 91.207(d). The ELT battery expires  
September of 2003.

Complied with SB1032 by replacing the right outboard fuel quantity sending unit with part no.686-203  
serial no.1275, and replaced the left outboard fuel quantity sending unit with part no.686-203 serial no.  
1217. Installed a servicable DDMP ref FAA form 8130-3, CRS# H0ZR644Y part no.491-404 serial no.0331,  
and calibrated the fuel quantity indication system per the PIPER PA32R-301 maintenance manual.  
Complied with SB1033 by replacing the air conditioning hose.  
Complied with SB1039 by modifying the wiring of the MAP gauge per the detailed instructions.  
Complied with SB1041 by replacing the airborne central gyro filter element and cleaning the hoses.  
Complied with SB1049 by installing the part no. 766-684 engine baffle brace kit.  
Complied with SB1048 by lubricating the cables.  
Complied with SB1081 by checking the Horizon instruments for calibration.  
Performed the 50 & 100 hour lubrication items.  
Serviced and cleaned the battery.  
Serviced the fuel strainer filter and replaced the fuel strainer bowl "O" ring.  
Installed all new brake linings on both of the main landing gear.

Continued on page#2

Total To  
Carry

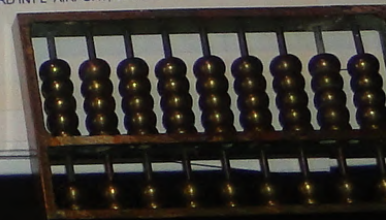
Registration No. \_\_\_\_\_

and Remarks	Signature	Certificate No.
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Page #2

Installed a new right wing navigation light bulb.  
Rerigged the aileron system.  
Reglued the ELT antenna boot.  
Adjusted the rudder pedal stops.  
Rerigged the stabilator system.  
Rerigged the stabilator trim system.  
Installed a new static wick on the right flap.  
Cleaned the corrosion off of the battery relay diode, and treated it with DC4.  
Installed a new right main landing gear actuator cylinder.  
Sealed the left main landing gear inboard hose fitting.  
Installed a new flap motor drive assembly part no. 552-615 serial no. 3612.  
Reglued the aft cabin door seal.  
Installed a new hydraulic power pack part no.38998-007.  
Installed a new left wing tank drain valve part no. 491-806.  
Dressed the prop blades.

I certify that this aircraft has been inspected in accordance with a PIPER PA32R-301  
Annual Inspection & was determined to be in airworthy condition. Pertinent details on file at this agency under:  
W/O# 35698, 35703 Signed: \_\_\_\_\_  
DATED: 10/19/01 for \_\_\_\_\_  
NORTHERN AIR INC., CRS# N81R812N, GERALD R. FORD INTL AIRPORT, GRR, MI. 49512



## AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	Brought Forward	Total		
3-18-02	→	431.8		Replaced gasket on rt wing fuel tank quantity gauge. P/N 38230-004 by J. J. Fox for Lapeer Aviation Inc. L9PR971N
5-3-02		446.0		REPLACED RT. MAIN TIRE. Condor 600x6-8 PR. MTP FOR L9PR971N
10-7-02				Installed Bose Headset Jacks Adj to Rear Intercom Jacks Ops Cked 546. Ops Cked <i>[Signature]</i>
				LAPEER AVIATION, INC. F.A.A. Approved Repair Station No. L9PR971N DuPont Lapeer Airport, Lapeer, Michigan 48446

Registration No. N4145Z

and Remarks	Signature	Certificate No.
10/8/02 TAC 523-1		
<small>AIRFRAME = Jacked aircraft, removed wheels, greased bearings and gear, checked brakes, checked retraction and emergency extension, checked electrical system and battery, checked all controls and oiled as needed. Removed all inspection plates and checked structure. Checked cockpit belts, lights and instrument operation.</small>		
Adjusted stabilator trim cable tension. Dressed out prop blades & painted backs. Complied with AD93-02-05 by inspection. Updated AD Compliance Record. Complied with FAR91.207(d) by test of ELT. Replaced left main tire with new Condor 6-00x6x8 ply.		
DATE 10/08/02 TOTAL AIRCRAFT TIME 523.1 I CERTIFY THIS AIRFRAME HAS BEEN INSPECTED IN ACCORDANCE WITH AD 93-02-05 INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.		
SIGNED <i>[Signature]</i> FOR REPAIR STATION L9PR971N		
LAPEER AVIATION, INC. F.A.A. Approved Repair Station No. L9PR971N DuPont Lapeer Airport, Lapeer, Michigan 48446		

AIRCRAFT LOG

This Date	Aircraft Time		Recorder Reading	Maintenance
		Total		
Flight Forward →	547.0			INSTALLED M-20 MOD 300 AIR/OIL SEPARATOR IAW INSTRUCTIONS PROVIDED STC# SA02033AT

AIRFRAME = Jacked aircraft, removed wheels, greased bearings and gear, checked brakes, checked retraction and emergency extension, checked electrical system and battery. Checked all controls and oiling as needed. Removed all inspection plates and checked structure. Checked cockpit belts, lights and instrument operation.

CLW FAR 91.407 - AIR KIT BATTERY AN 452-0130

DATED NOV. 2005, DRESS PAINT FRP, AIR BUS AIR

FLITE, SERVICED NOSE STRUT WITH PIREGON

ADJUST ELECTRIC TRIM CHECK AS PER SIM.

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

and Remarks	Signature	Certificate No.
DATE <u>10/14/03</u> TOTAL AIRCRAFT TIME <u>5970</u> CERTIFY THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>FLIGHT</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.		
SIGNED <u>[Signature]</u> FOR REPAIR STATION LSPR971N		
I certify that the transponder tests required by FAR 91.413 & FAR 43 Appx. (F) as prescribed in A.C. 43-8 Para. 6a 1-4 & Para. D have been complied with, make model <u>Garmin GTX 320</u> . Automatic pressure altitude reporting system tested as required by FAR 91.411 IAW FAR Appx. (E) Para. (C). Date: <u>10-14-03</u> for Lapeer Aviation, Inc. LSPR971N Lapeer, MI		
SIGNED: <u>[Signature]</u> I certify that the Static System tests required by FAR Part 91.411 IAW FAR 43 Appx. (E) Para (A) have been performed this date <u>10-14-03</u> . Altimeter tested on <u>10-13-03</u> to <u>20,000</u> FT. by <u>Avco Instrument Inc</u>		
SIGNED: <u>[Signature]</u> for Lapeer Aviation, Inc. Repair Station LSPR971N Lapeer, MI		



AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
11/17/04	Brought Forward →		6381	
				AIRFRAME - Jacked aircraft, removed wheels, greased bearings and gear, checked brakes, checked retraction and emergency extension, checked electrical system and battery. Checked all controls and cables as needed. Removed all inspection plates and checked structure. Checked cockpit belts, lights and instrument operation.
				AD99-04-04 Clw by Millenium Magneto by insp. Clw AD2002-26 or by inspection. Clw FAR91.207(d) by test and ECT. Updated AD Compliance Record.
				DATE 11/17-04 TOTAL AIRCRAFT TIME 6291. I CERTIFY THIS AIRFRAME HAS BEEN INSPECTED IN ACCORDANCE WITH ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.
				SIGNED <i>[Signature]</i> FOR REPAIR STATION L9PR971N

LAPEER AVIATION, INC.  
 F.A.A. Approved Repair Station No. L9PR971N  
 DuPont Lapeer Airport, Lapeer, Michigan 48446

To Carry Forward

Registration No. N4145Z

and Remarks	Signature	Certificate No.
1-20-05 671.2 Cleaned connections on right outboard fuel sender to clear alarm. <i>[Signature]</i>		
	LAPEER AVIATION, INC. F.A.A. Approved Repair Station No. L9PR971N DuPont Lapeer Airport, Lapeer, Michigan 48446	
6/7/05 740.6 REPLACED RT. MAIN TIRE 600X8X8 PLY CONDO TIRE - REPACKED WHEEL BEARINGS - AIR ALL TIRES - SERVICED STENTS. <i>[Signature]</i>	LAPEER AVIATION, INC. F.A.A. Approved Repair Station No. L9PR971N DuPont Lapeer Airport, Lapeer, Michigan 48446	
8-2-05 820.0 REPLACED L MAIN TIRE 600X8X8 PLY CONDO TIRE - REPACKED WHEEL BEARINGS + CLEANED WHEEL ASSEMBLY <i>[Signature]</i> FOR L9PR971N.		



SERVICED BY  
**M. MEGGITT AVIONICS**  
**S-TEC**  
 One S-TEC Way  
 Mineral Wells, TX 76067  
 Phone: 940-325-0406  
 Fax: 940-325-3904  
 CRS NO. FZ2R818K  
 SERVICEABLE PART

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date Brought Forward	Total		
8-12-2005				REMOVED GARMIN GTX 320 TRANSPONDER. INSTALLED GARMIN GTX 327 TRANSPONDER WEIGHT & BALANCE
				NEHUARE, Signed <i>[Signature]</i> <b>HURON AVIONICS, INC.</b> FAA CRS # H4NR191N

I certify that the ATC Transponder was tested and inspected as per FAR 91.413 LA.W. Part 43, Appendix E. Transponder maintenance CARMA 521. The static and automatic pressure altitude reporting systems were tested & inspected per FAR 91.411 LA.W. Part 43 Appendix E, paragraphs A and C respectively to 7500 ft. Date 8-12-2005  
 Signature *[Signature]*  
**HURON AVIONICS, INC.**  
 150 N. AIRPORT DR., KIMBALL, MI 49074  
 FAA Certified Repair Station # H4NR191N

FAA  
 DuPont

Total  
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Total To  
 Carry Forward

Registration No. N4145Z

and Remarks	Signature	Certificate No.
8/19/05. Replaced left muffler 'W 26345-28 with overhauled muffler from Aerospace Welding Inc. TAC 839.7 <i>[Signature]</i>	<i>[Signature]</i>	
9-7-05 TAC 874.4. Removed, tested and reinstalled both fuel tank senders in rt fuel tank. <i>[Signature]</i>	<i>[Signature]</i>	
10-13-05 TACH 880.0 REMOVED ATTITUDE GYRO + S REMOVED GYRO FOR REPAIR. RE-INSTALLED OPS ✓ Load. INTO FOR L9PR971N	<i>[Signature]</i>	
		ATTITUDE GYRO S/N 099E01301

**LAPEER AVIATION, INC.**  
 F.A.A. Approved Repair Station No. L9PR971N  
 DuPont Lapeer Airport, Lapeer, Michigan 48446

**LAPEER AVIATION, INC.**  
 F.A.A. Approved Repair Station No. L9PR971N  
 DuPont Lapeer Airport, Lapeer, Michigan 48446

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AIRCRAFT LOG

Registration No. N4145Z

Aircraft Time	Recorder Reading	Maintenance
11/14/05 Brought Forward →	940.5	Replaced nosewheel tire, cleaned & repacked nosewheel bearings. <i>My D [Signature]</i>

LAPEER AVIATION, INC.  
F.A.A. Approved Repair Station No. L9PR971N  
DuPont Lapeer Airport, Lapeer, Michigan 48446

I certify that the transponder tests required by FAR 91.419 & FAR 43 Appx. F as prescribed in A.C. 43-8 Para. 6a 1-4 & Para. B have been complied with, make model Garmin 430 Automatic pressure altitude reporting system tested as required by FAR 91.411 (AWP) Appx. (E) Para. (C) Date: 12-7-05 for Lapeer Aviation, Inc. L9PR971N

SIGNED: [Signature] I certify that the Static system tests required by FAR Part 91.411 IAW FAR 43 Appx. (E) Para (A) have been performed this date 12-7-05 Altimeter tested on 12-6-05 to 2012 by ASTRO Tw8Roulet  
SIGNED: [Signature] Per  
Lapeer Aviation, Inc. Repair Station L9PR971N Lapeer, MI.

Mail To  
Carry Forward

and Remarks	Signature	Certificate No.
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12/12/05 TAC 9486  
SAME - Jacked aircraft, removed wheels, greased bearings & gear, checked brakes, checked retraction and emergency extension. Checked electrical system and battery. Checked all controls and oil as needed. Removed all inspection plates and checked structure. Checked cockpit belts, lights and instrument operation.

Replaced outboard fuel sender in right fuel tank. Checked wire connections at alternator for low warning light. Replaced ECT battery & tested ECT (new FAR 91.207(d)). Battery next due Jan/2008. Replaced both brake disc, No 164-21600's all linings. Complied with AD2002-26-01 by inspection. Updated AD Compliance Record. Repaired left fiberglass wingtip with fiberglass patch. Replaced outboard skin, No 38649-002, and rib, No 38653-002. Painted repaired areas to match. - Cont on next page.

LAPEER AVIATION, INC.  
F.A.A. Approved Repair Station No. L9PR971N  
DuPont Lapeer Airport, Lapeer, Michigan 48446



Certifies the items identified above were manufactured in conformity to:

Approved design data and are in a condition for safe operation.

Non-approved design data specified in Block 13.

15. Authorized Signature: \_\_\_\_\_

16. Approval/Authorization No.: \_\_\_\_\_

17. Name (Typed or Printed): \_\_\_\_\_

18. Date (m/d/y): \_\_\_\_\_

19. \_\_\_\_\_

20. \_\_\_\_\_

21. \_\_\_\_\_

22. \_\_\_\_\_

It is important to understand that the existence of this document alone does not automatically certify that the user/installer performs work in accordance with the national regulations of an airworthiness authority.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority, it is essential that the user/installer ensures that his/her airworthiness authority accepts the work in accordance with the national regulations of the user/installer before the aircraft may be flown.

Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft must be inspected and approved by the user/installer before the aircraft may be flown.

\* Installer must cross-check eligibility with national regulations by the user/installer before the aircraft may be flown.

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
12/12/05	Brought Forward →	949.6		
DATE 12/12/05 TOTAL AIRCRAFT TIME 949.6 I CERTIFY THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.				
SIGNED <u>[Signature]</u> FOR REPAIR STATION L9PR971N LAPEER AVIATION, INC. F.A.A. Approved Repair Station No. L9PR971N DuPont Lapeer Airport, Lapeer, Michigan 48446				
1-12-06				DME RT UNIT TCR-451 <sup>S/N 15317</sup> REPAIRED BY S-TEC. INSTALLED + TESTED GOOD. <u>[Signature]</u> FOR L9PR971N.
Total To Carry Forward				



Registration No. N4145Z

and Remarks	Signature	Certificate No.
HOBB 987.0 REMOVED FUEL QUANTITY GAGE + SENT OUT FOR TEST / REPAIR. <u>[Signature]</u> FOR L9PR971N.		
HOBB 1028.0 INSTALLED FUEL QUANTITY GAGE AFTER REPAIR BY FS/R 483X. <u>[Signature]</u> FOR L9PR971N.		
6/27/06 TAC 1067-Y. Replaced both main tires with Concor 6.00x6x8 dy. Cleaned & greased bearings. <u>[Signature]</u>		
LAPEER AVIATION, INC. F.A.A. Approved Repair Station No. L9PR971N DuPont Lapeer Airport, Lapeer, Michigan 48446		
TACH 1105.8 REMOTE CYRO + HSI (LIGHT BAR) REPAIRED BY S-TEC. RE-INSTALLED CYRO + HSI OPS CHECK GOOD. <u>[Signature]</u> FOR		
LAPEER AVIATION, INC. F.A.A. Approved Repair Station No. L9PR971N DuPont Lapeer Airport, Lapeer, Michigan 48446		

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
8-25-06	Brought Forward →	1105.8		CHANGED INDUCTION AIR FILTER P/N 638873. REPLACED ALT INOP SWITCH P/N 38905-003. <i>M. J. P.</i>
<del>8-25-06</del>				
8-25-06		1105.8		REMOVED FUEL QUANTITY GAGE FOR REPAIR
9-1-06		1105.8		INSTALL FUEL QUANTITY GAGE AFTER REPAIR BY FSYR483X
1/24/07		1178.4		WIRERAME = Jacked aircraft, removed wheels, greased bearings and gear, checked brakes, checked retraction and emergency extension. Checked electrical system and battery. Checked all controls and wires as needed. Removed all inspection plates and checked structure. Checked cockpit belts, lights and instrument operation.
				WIRE TO FUSE HOLDER @ ALTERNATOR. C.W. PAPER 3 B. 10908 PARTS I+II. REPLACED STATIC WICK. Replaced taxi light ON L/FLAP. REPLACED EXHAUST SHROUD CLAMP. SEE A.D. LIST FOR COMPLIANCE.
				TESTED ELT EAU FOR 91.207 (DS).
Total To Carry Forward				

Registration No. N4145Z

and Remarks	Signature	Certificate No.
REPLACED ALT INOP SWITCH FOR L9PR971N.		
TRUBLESHOT ENG PRE HEATER 'POPPING'	<i>M. J. P.</i>	L9PR971N
GFCI. NO DEFECTS FOUND. SOLDERED	<i>M. J. P.</i>	L9PR971N
10908 PARTS I+II. REPLACED STATIC WICK. Replaced taxi light cut-off switch, P/N 36742-021.		
DATE 1/24/07 TOTAL AIRCRAFT TIME 1178.4 I CERTIFY THIS AIRFRAME HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.		
SIGNED <i>M. J. P.</i> FOI REPAIR STATION L9PR971N		

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
7/17/07	Brought Forward →	1306.1		Replaced aircraft battery P/N G-243 51N G02331243. <i>Jay C. Ellis</i>
9/7/07		1337.2		Removal of DME Log repair. <i>Jay C. Ellis</i> by L9P2971N Lapeer Aviation, Inc.

Airframe Log Entries

1 Starter replaced with Skytech model no. 149-24PM, serial no. F4P070641  
The Maintenance described above has been performed in accordance with the applicable standards of  
airworthiness  
ON BEHALF OF LAWRENCE AERO A.M.O. 57-92

Total to Carry Forward



Registration No. N4145Z

2-6-08 1397.4 TAC

Signature	Certificate No.
<i>Jay C. Ellis</i>	

AIRFRAME - Inspected aircraft, removed wheels, greased bearings and gear, checked brakes, checked retraction and emergency extension, checked electrical system and battery, checked all controls and oiled as needed. Removed all inspection plates and checked structure. Checked cockpit belts, lights and instrument operation.

Replaced rt wing nav light and rt wing aft nav light bulbs. Replaced all 3 tires. Installed new central vacuum system filter and vac. regulator. Filter AD 99-04-04 CW by "Poplar Grove Automotive", by AD 2002-26-01 by inspection. Updated AD compliance record. Tested ECT EAW FA 1291.207(d). Replaced ECT battery. Next due April 2010

DATE 2-6-08 TOTAL AIRCRAFT TIME 1397.4 CERTIFY THIS AIRFRAME HAS BEEN INSPECTED IN ACCORDANCE WITH AN APPROVED INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

SIGNED *Jay C. Ellis* FOR REPAIR STATION L9P2971N



AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
Feb 9, 2009	Brought Forward →	1599.0 TTT		Completed annual inspection IAW Piper Aircraft Corp. Inspection Report #230-1045. Adjusted door strikes on aft passenger door. Reinforced fiberglass in lower cowling at left air intake. Serviced nose strut with nitroper. Cleaned corrosion from fuel filter caps and repainted. Replaced central vacuum air filter and vacuum regulator filter. Retorqued clamps on left outboard fuel tank. Replaced all brake linings, 1/2 lb - 06200. Reattached connector plug on DME remote box. Installed
Total To Carry Forward				

**TEMPEST**

Air Filter Change Reminder  
 Installed at: 1599 Hrs. Change at: 2099 Hrs.  
 Date: 2-4-09  
 Aero Accessories, Inc.

Registration No. N41452

and Remarks	Signature	Certificate No.
new Klaxon 7277-2-1 circuit breaker, and wired to PCA's portable unit. Tested ECT IAW FAA's 207(d). (PWA 08926-0) by replacing engine air filter. Clw AD 2008-14-07 by inspection IAW Lycoming MSB342E. Updated AD compliance Record and inserted in aircraft records.		
DATE Feb 9, 2009 TOTAL AIRCRAFT TIME 1772 e I CERTIFY THIS		
airframe HAS BEEN INSPECTED IN ACCORDANCE WITH An <u>General</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.		
SIGNED <u>[Signature]</u> FOR REPAIR STATION LSPR9711		
LAPEER AVIATION, INC. F.A.A. Approved Repair Station No. LOPR971N DuPont Lapeer Airport, Lapeer, Michigan 48846		

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		

2/5/09  
TLC  
1599.0

Test Altitude in Feet	Reading	Tolerance +/- (feet)
-1000	-1000	20
0	0	20
500	500	20
1,000	1,000	20
1,500	1,480	25
2,000	1,980	30
3,000	2,970	30
4,000	3,980	35
6,000	5,960	40
8,000	7,950	60
10,000	9,960	80
12,000	11,960	90
14,000	13,950	100
16,000	15,940	110
18,000	17,910	120
20,000	19,900	130

I certify that the Transponder tests required by FAR 91.413 & FAR 43 Appx. (F) as prescribed in A.C. 43-5 Para 6a 1-4 & Para. B have been complied with, make and model **GARMIN GTX 327** Automatic pressure altitude reporting system tested as required by FAR 91.411 IAW FAR 43 Appx. (E) Para. (C) and that the Static System and Altimeter tests required by FAR Part 91.411 IAW FAR 43 Appx (E) Para (A/B) have been performed this date **2/5/2009**. Altimeter tested to **20,000** Ft. by Lapeer Aviation, Inc. SIGNED: [Signature] for Lapeer Aviation, Inc. Repair Station L9PR971N Lapeer, MI.

Total To Carry Forward

Registration No. N4145Z

and Remarks	Signature	Certificate No.
Feb 11, 2010 1467.5 TT. Completed annual inspection in accordance with Piper Inspection Report 230-1044. Replaced bad wheel flt in nose wheel assembly, P/N 154-00600. Replaced O-rings in rt gear retraction cylinder, cycled gear and leak tested. Tested ECT JAW FAR 91.207(d). Complied with AD 99-04-04 by insp. (LW AD 2004-14-12 by inspection and modification of Yates Dow Piper SB1139A. (LW AD 2008-14-07 by inspection JAW by coming msB342E. Updated AD Compliance Report.	[Signature]	
DATE <u>2/11/10</u> TOTAL AIRCRAFT TIME <u>1467.5</u> I CERTIFY THIS <u>airframe</u> HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.		
LAPEER AVIATION, INC. F.A.A. Approved Repair Station No. L9PR971N Font Lapeer Airport, Lapeer, Michigan 49846	SIGNED <u>[Signature]</u>	FOR REPAIR STATION L9PR971N

AIRCRAFT LOG

Registration No. N4145Z

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
2/7/2011	N4145Z	PA32R-301	SN 3246142 H008 1730.5	
	Test Altitude in Feet	Reading	Tolerance +- (feet)	
	-1000	-1000	20	
	0	0	20	
	500	500	20	
	1000	1000	20	
	1500	1500	25	
	2000	1995	30	
	3000	2990	30	
	4000	3995	35	
	6000	5985	40	
	8000	7980	60	
	10000	9975	80	
	12000	11980	90	
	14000	13980	100	
	16000	15975	110	
	18000	17970	120	
	20000	19980	130	
Total To Carry Forward				

I certify that the Transponder tests required by FAR 91.413 & FAR 43 Appx. (F) as prescribed in A.C. 43-6 Para 6a 1-4 & Para. B have been complied with, make and model Garmin GTX 327 Automatic pressure altitude reporting system tested as required by FAR 91.411 IAW FAR 43 Appx. (E) Para. (C), and that the Static System and Altimeter tests required by FAR Part 91.411 IAW FAR 43 Appx (E) Para (A,B) have been performed this date 2/7/2011. Altimeter tested to 20,000 Ft. by Lapeer Aviation for Lapeer Aviation, Inc. Repair Station L9PR971N Lapeer, MI

2/5  
152

and Remarks 1730.5 Signature \_\_\_\_\_ Certificate No. \_\_\_\_\_

Feb. 15, 2011 ~~1730.5~~ 1730.5 for. Performed annual inspection in accordance with Piper Aircraft Inspection Report # 230-1046. Replaced right muffler on engine with Overhauled exchange from AWT. Installed new Gill G243 aircraft battery # G02572839. Replaced ELT battery, due again Jan 2013. Tested ELT IAW FAR 91.207(d). Installed new vac regulator filter AAB3-5-1. Complied with AD 2008-14-07 by inspection IAW by certifying N18B3425. Complied with AD 2010-15-10 by insp. IAW Piper SB # 11970. Found within limits. Updated AD Compliance Report.

DATE 2-15-2011 TOTAL AIRCRAFT TIME 1730.5 CERTIFY THIS aircraft HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIR WORTHY CONDITION.  
SIGNED [Signature] FOR REPAIR STATION L9PR971N

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	Brought Forward	Total		
Nov. 7, 2011	→ 1750.3			Engine removed for overhaul.
				Engine reinstalled after overhaul by Paylor Grove Aviation. Replaced hard mounts, fuel and oil hoses, vacuum pump, WAA3215CC 3/4" I 745913 Replaced alternator and air conditioning v-belts. Prop and governor overhauled by "H's Prop". Installed new engine air filter, ADB4-26-02 due at 2750.3.
				Chw 110 2008-14-07 by inspection per LYC 115B342E. Charged battery. Replaced nose wheel tire & inner tube.
				by alpha for LAPEER AVIATION, INC. F.A.A. Approved Repair Station No. L9PR971N DuPont Lapeer Airport, Lapeer, Michigan 48448
Total To Carry Forward				

21.  
15

Registration No. N4145Z

and Remarks	Signature	Certificate No.
4/11/2012 1811.8 TAC - Replaced alternator v-belt, P/N 37D22355. Charged 21c battery. Repaired wire connection on fuse holder to alternator for "alt. inop" indicator light.	by alpha for LAPEER AVIATION, INC.	F.A.A. Approved Repair Station No. L9PR971N DuPont Lapeer Airport, Lapeer, Michigan 48448

WO# 2513786 Date: 7/11/2012  
Reg# N4145Z Aircraft SN: 3246142  
Hobbs: 1853.1



Elliott Aviation of the Quad Cities, Inc.  
Quad City Airport  
PO Box 100  
Moline, IL 61268-0100

Airframe Log Entry

Maintenance Action  
Installed new alternator belt P/N 37D22355 by removing the propeller. Installed new propeller o-ring P/N M83461-1-228 and reinstalled propeller.

I certify this Aircraft is in airworthy condition with respect to the maintenance performed. All maintenance performed referencing the applicable manufacturer's maintenance manuals. Pertinent details are on file at this agency under WO# 2513786.

Signed for Elliott Aviation of the Quad Cities, Inc. CGHR812C EASA 145.5686  
Jeff Dean

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
8/20/2012	Brought Forward →	1867.6		REPLACED WORN O-RING IN NOSE GEAR CYLINDER IAW PIPER PA 32R-301 SERVICE MANUAL. ADJUSTED ALTERNATOR BRACKET AND TENSIONER TO ALIGN BELT AND PULLEYS. INSTALLED NAVWORK A05B IAW NAVWORK AD3600-B INSTALLATION MANUAL DATED 6/26/2012. WIRED WX 500 TO GN3430 #1. <i>My Ojels</i>
Total To Carry Forward				

LAPEER AVIATION, INC.  
 F.A.A. Approved Repair Station No. LSPR971M  
 DuPont Lapeer Airport, Lapeer, Michigan 48446

Registration No. N 4145Z

and Remarks	Signature	Certificate No.
Jan 23, 2013 1867.9. Completed annual inspection in accordance with Piper Aircraft Inspection Report, PIN 230-1045. Replaced lower left engine mount to firewall bolt, AM6-25A. Replaced left tailpipe clamp, P/N 24971-000. Replaced rubber bushing (4) in both tail pipe hangers, P/N 453-713. Replaced ELT battery and tested IAW FAR 91.207(d). Tested good. Battery due again 11/2014. Clw AD 84-26-02 by installing new air filter. Clw AD 2011-21-01 by inspection IAW hyc. MSB 342F, no discrepancy. Up dated AD Compliance Report. Replaced vacuum regulator filter, ARB3-5-1. - cont on next page		



AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
01-23-2013	Brought Forward →	1867.9		
	DATE 01-23-2013 TOTAL AIRCRAFT TIME 1867.9 I CERTIFY THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN <u>91409</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.			
	SIGNED <u>[Signature]</u> FOR REPAIR STATION L9PR971N LAPEER AVIATION, INC. F.A.A. Approved Repair Station No. L9PR971N DuPont Lapeer Airport, Lapeer, Michigan 48446			
Total To Carry Forward				

Registration No. N4145Z

and Remarks \_\_\_\_\_ Signature \_\_\_\_\_ Certificate No. \_\_\_\_\_

N4145Z PA32R-301 Hobbs 1867.9  
SN 324619Z

Test Altitude in Feet	Reading	Tolerance +/- (feet)
-1000	-1000	20
0	0	20
500	500	20
1000	1000	20
1500	1495	25
2000	1990	30
3000	2990	30
4000	4000	35
6000	5980	40
8000	7980	60
10000	9980	80
12000	11995	90
14000	13990	100
16000	15995	110
18000	17970	120
20000	19990	130

I Certify that the Transponder tests required by FAR 91.413 & FAR 43 Appx. (F) as prescribed in A.C. 43-6 Para 6a 1-4 & Para. B have been complied with, make and model GARMIN GTX 327 Automatic pressure altitude reporting system tested as required by FAR 91.411 IAW FAR 43 Appx. (E) Para. (C) and that the Static System and Altitude tests required by FAR Part 91.411 IAW FAR 43 Appx (E) Para (A,B) have been performed this date 1/16/2013 Altimeter tested to 29000 Ft. by LAI  
SIGNED [Signature] for Lapeer Aviation, Inc. Repair Station L9PR971N Lapeer, MI.

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
Brought Forward →				
			N4145Z 07-10-2013 Hobbs 1872.0	
			Removed and replaced Aircraft battery with new R324-15M Battery	
			<i>Ben O. Kern</i>	
			Capree Aviation Inc. Repair station L8PR971N	

Hangar 6, Incorporated  
 8645 North Shore Drive  
 Hillsboro, Ohio 45133  
 (937) 846-0624  
 Repair Station Certificate No. L6NR8921

Make	Model	Registration Mark	Serial No.	Completion Date
Piper	PA32R-301	N4145Z	7486182	09-27-13

Removed, Reskinned and Replaced Flap Skin Bottom LH & RH  
 Painted LH Flap, RH & LH Leading Edge Skins and Outboard LH & RH Wing Stripes

Invoice Number	Hobbs Time	Total Time	Date	Completed By
3511	1889.7	1985.00	09-27-13	<i>Ben O. Kern</i>

Total To Carry Forward

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

and Remarks	Signature	Certificate No.



4316 Hangar Dr. Lexington, KY 40510 859-255-1902

Date: 10-31-13  
 Reg No: 4145Z  
 Hobbs: 1897.1

Airframe Log Book  
 Aircraft Piper PA-32R-301  
 Shop Order# A-13-1881  
 Serial No: 3246142

1. Removed Garmin GNS-430, P/N 011-00280-00-00 S/N 96301404 and replaced with Garmin GNS-430W, P/N 011-01060-45 S/N 96301404. Removed Garmin GA-56 antenna P/N 011-00134-00 and replaced with Garmin GA-35 GPS/WAAS antenna P/N 013-00245-00 S/N 98517. See FAA form 337 dated 10-31-13 for details of installation. Installation done IAW Garmin STC# SA01933LA-D and Garmin GNS-430W/530W upgrade installation manual, P/N 190-00357-06 Rev D dated March 2008.
2. Weight and balance negligible.

The aircraft, airframe, engine, propeller, or appliance identified was repaired and/or inspected in accordance with the current regulations of the Federal Aviation Administration and is approved for return to service for the work performed.

Date: 10/31/13 Signed: *Rudy Segura*  
 Rudy Segura APlA3110987

AIRCRAFT LOG

Date	Aircraft Time	Recorder
10/31/13		Rudy Segura

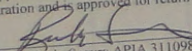
**Mustang Aviation**  
4316 Hangar Drive Lexington, KY 40510 859-255-1902

**Airframe Log Book**  
Aircraft: PA-32R-301  
Work Order: A-13-1881  
Serial N: 3246142

Date: October 31, 2013  
Reg No: N4145Z  
Hobbs: 1897.1

1. Installed new Pre-Heat Pad P/N TE02650-115/120 with new connector P/N TCP2598 per Tanis instructions TN02788, ops checked ok.
2. Removed and replaced L/H and R/H MLG tires with new P/N 606C86-6 (6.00X6 8 ply. Cleaned and inspected wheel halves and tire tubes and wheel bearings, checked good. Torqued wheel halves to nuts to 150 in/lbs and serviced tires to 35 PSI. Checked ok.
3. Placed aircraft on jacks and replaced leaking hydraulic power pack AN fitting P/N AN826-4D and AN Elbow P/N AN914-1D with new. Serviced hydraulic power pack reservoir with 5606 fluid, performed operational check of landing gear, ops checked and leak checked ok.  
Removed and replaced broken #2 to #6 Rod baffle tie with new P/N 65103-003, checked ok.  
Installed new L/H and R/H LoPresti hub caps per STC SA01224AT. See 337.

This aircraft, airframe, engine, propeller, or appliance identified was repaired and/or inspected in accordance with the current regulations of the Federal Aviation Administration and is approved for return to service for the work performed.

Date: 10/31/13 Signed:   
Rudy Segura APIA 3110987

Carry Forward

Ferguson aviation services, Lexington KY

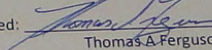
**Airframe Log Book**  
Date: October 31, 2013  
Aircraft type: PA32R-301

Serial No: 3246142

Reg No: N4145Z  
Hobbs: 1897.1

1. Labeled Starter Annunciator fuse holder
2. Inspected aileron control system. Lubricated u-joints.
3. Installed new lamp in baggage compartment light and aft dome light
4. Installed new defrost 1 1/2" scat tubing.
5. Installed new front, left scat tubing from lower cowling

This aircraft, airframe, engine, propeller, or appliance identified was repaired and/or inspected in accordance with the current regulations of the Federal Aviation Administration and is approved for return to service for the work performed.

Date: 10-31-13 Signed:   
Thomas A. Ferguson AP/IA 3020594

Date: 2/6/2014  
Tach/Hobbs: 1934.2  
Total Time: 1934.2



Repair Station # YQYR343B  
10800 Airport Road  
Dubuque, IA 52003  
563-582-1293

1. Inspected aircraft per FAR Part 43 appendix D checklist.
2. Replaced nose wheel inner tube due to bent stem.
3. Replaced nose wheel bearings & races due to scoring.
4. Balanced nose wheel assy.
5. Secured & replaced 1, nose gear strut trunnion top attach bolts.
6. Repaired nose gear door uplimit stop bracket. Adjusted L&R nose gear doors for a looser fit in closed position. Secured loose bolts on nose gear attach points.
7. Removed shimmy dampner from nose gear due to leaking. Replaced all internal O-rings, serviced with fluid, reinstalled on strut, adjust rod end shaft travel.
8. Serviced main & nose struts with hydraulic fluid & nitrogen pressure.
9. Replaced L&R brake linings.
10. Greased wheel bearings & landing gear retraction linkage.
11. Performed landing gear retraction tests in normal & emergency modes.
12. Secured loose bolts on flap torque tubes under cabin floor.
13. Replaced vacuum system foam regulator filter.
14. C/W FAR 91.207(d) inspected ELT radio operation.
15. Cleaned corrosion from Outside Air Temp probe wiring.
16. C/W AD 2013-02-13 cleaned & inspected turnbuckles on stabilator control cables per Piper SB# 1245. Rigged & adjusted cable tension.

I certify this aircraft has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition. See AD List in folder for compliance.

Work Order # 78684  
Name: Paul M. Kaune

Signed: Paul M. Kaune  
Certified Repair Station # YQYR343B

Total To  
Carry Forward

Date: 2/7/2014  
Tach/Hobbs: 1934.2



10800 Airport Road  
Dubuque, Iowa 52003  
Repair station #YQYR343B  
1-563-582-1293

icate No.

1. Performed capacity test on battery, RG24-15M, serial# 4054673, for 60 minutes at (C1) rate of 13.6 amps. With a 20.0 end voltage cutoff. Battery failed after 28 minutes.
2. Performed conditioning recharge on battery at a 1.3 amp charging rate to achieve 31.0 voltage on battery.
3. Repeated capacity test. Battery failed after 26 minutes.
4. Removed battery from service.
5. Installed new Concorde RG24-15M battery in aircraft, serial# 40628511.

Work Order #78687  
Name: Paul M. Kaune

Signed: Paul M. Kaune  
Certified Repair Station # YQYR343B

Date 11-6-2014 Aircraft Hours 2025.2  
 I certify that the altimeter and static system tests required by 14 CFR 91.411 and  
 transponder tests, including data correspondence, required by 91.413, have been  
 performed and found to comply with 14 CFR part 43, appendix E and F.  
 LH Altimeter Model 5934 PD-3 Transponder Model GTX 327  
 S/N 407241 S/N 93705024  
 RH Altimeter Model \_\_\_\_\_ Transponder Model \_\_\_\_\_  
 S/N \_\_\_\_\_ S/N 435  
 Encoder/A.D.C. Model SAF 5-35 feet on 11-6-2014.  
 The altimeter was tested to 20,000 feet on 11-6-2014.  
 The transponder was tested on 11-6-2014.  
 Encoder data correspondence was tested to 20,000 feet on 11-6-2014.  
 Static system leak tested on 11-6-2014.

Signed Paul M. Kaune  
 Work Order # 79164  
 Blue Skies Over Dubuque, Inc.  
 FAA Repair Station #YQYR343B

Total To  
 Carry Forward

Maintenance

Date: 11/6/2014  
 Tach/Hobbs: 2025.2  
 Total Time: 2025.2

**Blue Skies**   
 Blue Skies over Dubuque Inc.  
 Airplane Maintenance

Repair Station # YQYR343B  
 10800 Airport Road  
 Dubuque, IA 52003  
 563-582-1293

and R:

1. Inspected engine per FAR Part 43 appendix D checklist.
2. Secured loose bolts on nose gear. 3. Greased wheel bearings. Balanced nose wheel assy. 4. Serviced shimmy dampner with fluid. 5. Bled L&R brake systems with fresh hydraulic fluid. 6. Performed gear retraction cycle tests in normal & emergency modes. 7. Performed load test on aircraft battery at a 13.6 amp draw. Battery passed by maintaining 21.6 volts for 60 minutes. Recharged up battery. 8. Replaced vacuum regulator filter. 9. Cleaned fuel strainer bowl & replaced O-ring. 10. Pressure lubed engine control cables. 11. Repaired Tanis heater broken wires. 12. Replaced ELT radio battery (due 5-2017) C/W FAR 91.207(d) inspected ELT radio. 13. Installed a Lone Star Aviation Corp. 24 volt to 12 volt step down converter under instrument panel. P/N LS03-05001-A, S/N 005-003711. Installed a Lone Star power adapter socket in instrument panel. P/N LS03-05025. Wired into buss bar with a 15 amp fuse following instructions in drawing # LS03-05001-(A)-06, REV-2.

I certify this aircraft has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition. See AD List in folder for compliance.

Work Order # 79164  
 Name: Paul M. Kaune

Signed: Paul M. Kaune  
 Certified Repair Station # YQYR343B

AIRCRAFT LOG

**JET AIR, INC**

Date: 12/16/2015; Aircraft: N4145Z  
 Piper PA32R-301 S/N: 3246142 Hobbs: 2129.3 TT: 2129.3 W/O: SPG-15-2098

Performed Annual inspection. Removed inspection covers & panels, cabin interior, and engine cowlings. Checked controls and trim tab actuators. Checked wings, fuselage, and tail section. Lubricated all flight controls. Checked cable tensions. Checked cabin equipment, electrical system components, interior and exterior lights. Checked windows, doors, and seals. Sumped fuel drains. Removed battery, serviced, charged, cleaned battery box, and re-installed battery. Checked and lubricated landing gear. Performed gear retraction and emergency gear system check. Checked shimmy dampner. Checked wheels, tires & brakes, and repacked wheel bearings. Serviced hydraulic fluid. Complied with the following items:  
 Installed new 066-06200 brake linings on both main wheels. Replaced aft pax lamp and left wing white (trailing) nav lamp with new. Corrected mis-alignment of mixture control safety detent. Checked ELT battery date. Good thru 05/2017.  
 C/W FAR 91.207 ELT condition/operational check. Due again: 12/2016  
 Replaced vacuum regulator filter with new B3-5-1. Due again 12/2016  
 Replaced vacuum central filter with new D9-18-1. Due again @ Hobbs: 2629.3  
 C/W AD 84-26-02 Replaced induction air filter with new P617058. Due again Hobbs: 2629.3  
 AD 2013-02-13 stabilator system insp Due 02/2021 or Hobbs: 3934.  
 Performed engine run-ups, no leaks noted. re-installed all covers, inspection covers, cabin interior and engine cowlings as removed.  
 I certify that this aircraft has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

Date: 12/16/2015 Signed: [Signature]  
 for Jet Air Inc. CRS # JAFR110F, Galesburg, Illinois 61401

Carry Forward

**JET AIR, INC**

Date: 2/13/2017; Aircraft: N4145Z  
 Piper PA32R-301 S/N: 3246142 Hobbs: 2189.6 TT: 2189.6 W/O: SPG-17-02396

Performed Annual inspection. Removed inspection covers & panels, cabin interior, and engine cowlings. Checked controls and trim tab actuators. Checked wings, fuselage, and tail section. Lubricated all flight controls. Checked cable tensions. Checked cabin equipment, electrical system components, interior and exterior lights. Checked windows, doors, and seals. Sumped fuel drains. Removed battery, serviced, charged, cleaned battery box, and re-installed battery. Checked and lubricated landing gear. Performed gear retraction and emergency gear system check. Checked shimmy dampner. Checked wheels, tires & brakes, and repacked wheel bearings. Serviced hydraulic fluid.  
 Complied with the following items: Installed new brake discs p/n 164-21600 and linings p/n 066-06200, on both main wheels. Painted nose gear turn stops.  
 C/W FAR 91.411 & FAR 91.413 Due again FEB-2019  
 C/W FAR 91.207 ELT condition/operational check. Due again: 2/18  
 Replaced ELT battery p/n 452-0130. Battery good until 6/19  
 Replaced vacuum regulator filter with new B3-5-1. Due again 2/18  
 Central vac filter p/n D9-18-1. Due again Hobbs: 2629.3  
 AD84-26-02 Induction air filter p/n P617058. Due again Hobbs: 2629.3  
 AD2013-02-13 stabilator system inspection. Due again 2/21 or Hobbs: 3934.0

**JET AIR, INC**

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

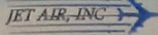
Date: 2-13-2017 Signed: [Signature]  
 for Jet Air Inc. CRS # JAFR110F, Galesburg, Illinois 61401

BAROMETRIC SCALE ERROR:  
(1/2" 25 FT TOLERANCE)

	PRESSURE	ALTITUDE	ALTITUDE
	IN/216	FEET	FEET
PASS <input checked="" type="checkbox"/>	28.10	-1227	10000
FAIL <input type="checkbox"/>	28.50	-1340	10000
	29.00	+ 863	10000
	29.50	+ 863	10000
	29.92	+ 392	10000
	30.50		10000
	30.90	+ 531	10000
	30.99	+ 893	10000
		+ 974	10000

CASE LEAK:  
(1.00 FPM MAX)

18,000 FT  
PASS  FAIL



Date: 2/16/2017; Aircraft: N4145Z  
A/C Model: PA32R-301 Serial Number: 3246142 TT: 2189 Work Order: SPG-17-2396

I certify this aircraft static system has been tested and inspected with reference to FAR 43, appendix E paragraph (a) to an altitude of 1,000 ft AGL.  
Aircraft Altitude Reporting System tested and inspected with reference to FAR 91.411 to an altitude of 20,000 feet MSL.  
Aircraft transponder checked and certified with reference to FAR 91.413.  
Aircraft altimeter checked and certified with reference to FAR 43 appendix E.

TXP MODEL: Garmin GTX327 S/N: 83705024 TSO: C74c  
ENC MODEL: Sandia Aerospace SAE5-35 S/N: 435 TSO: C88a  
ALT MODEL: United Instruments 5934-PD-3 S/N: 407241 TSO: C10b

I certify that the above stated maintenance and for inspection was performed with reference to the current regulations of the Federal Aviation Administration.

Signed [Signature]  
for JET Air Inc. CRS # JAFR110F

Carry Forward

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

and Remarks \_\_\_\_\_ Signature \_\_\_\_\_ Certificate No. \_\_\_\_\_



12730 SW 77th STREET  
MA/MI, FL 33183  
305-878-2940

Date: 09/25/2017 AIRFRAME LOGBOOK ENTRY WO#2099

A/C Reg: N4145Z Model: PA-32R-301 SN: 3246142 ACTT: 2273.4 HOBBS: 2273.4

SECURE PILOT SIDE PEDAL RUBBER, REMOVED AND INSTALLED NEW BATTERY PIN RG24-15, S/N 40872598

Signature [Signature]

A&P267717017

AIRCRAFT LOG

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



12730 SW 77<sup>TH</sup> STREET  
MIAMI, FL 33183  
305-978-3940

Date: 1/05/2018 AIRFRAME LOGBOOK ENTRY WO#2153

A/C Reg: N4145Z Model: PA-32R-301 SN: 3246142 ACTT: 2321.3 HOBBS: 2321.3

REMOVED AND INSTALLED NEW NOSE TIRE

Signature *[Signature]* A&P267717017



12730 SW 77<sup>TH</sup> STREET  
MIAMI, FL 33183  
305-978-3940

Date: 01/25/2018 AIRFRAME LOGBOOK ENTRY WO#2154

A/C Reg: N4145Z Model: PA-32R-301 SN: 3246142 ACTT: 2321.3 HOBBS: 2321.3

SERVICE AIRCONDITION SYSTEM

Total Carry

Signature *[Signature]* A&P267717017

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

and Remarks	Signature	Certificate No.



12730 SW 77<sup>TH</sup> STREET  
MIAMI, FL 33183  
305-978-3940

Date: 03/06/2018 AIRFRAME LOGBOOK ENTRY WO#2172

A/C Reg: N4145Z Model: PA-32R-301 SN: 3246142 ACTT: 2304.3 HOBBS: 2304.3

NEXT 100 HR DUE @ 2404.3

Completed ANNUAL inspection IAW FAR 43 Appendix "D". Opened all inspection panels, inspected and lubricated all flight control hinges, pulleys, and control cables. Repacked all wheel bearings with grease. Lubricated landing gear pivot points. Performed ELT functional check as required by FAR 91.207 (d) exp. date 06/2019. Serviced aircraft battery, C/W AD NOTE 15-19-07 FUEL INJECTOR LINE NEXT DUE AT 2414.3, AD NOTE 99-04-04 C/W BY QAA UNDER WOP 036142 NEXT DUE AT 2554.3, C/W AD NOTE 84-26-02 BY REPLACED NEW BRACKET AIR FILTER ASSY P/N BA104 SEE FAA 337 FORM NEXT DO N/A. REPLACED CENTRAL AIR FILTER (GYRO) P/N: D8-18-1, REPLACED VACUUM RELIEF VALVE FILTER P/N: B3-5-1 AND AIR FILTER P/N: BA3

I certify that this AIRCRAFT has been inspected in accordance with an ANNUAL inspection and was found to be in a worthy condition.

Signature *[Signature]* A&P267717017-IA



AIRCRAFT LOG

**LM** AIRCRAFT REPAIR 12730 SW 77<sup>TH</sup> STREET  
MIAMI, FL 33183  
305-978-3940

=====  
Date: 05/16/2018 AIRFRAME LOGBOOK ENTRY WO#2216

A/C Reg: N4145Z Model: PA-32R-301 SN: 3246142 ACTT: 2321.3 HOBBS: 2321.3  
INSTALLED NEW SEAL ON VENT SIDE WINDOW, HOBBS NOT WORKING,  
TROUBLESHOT FOUND BAD FUSE, INSTALLED NEW FUSES, FUSE BLOW AGAIN,  
TROUBLESHOT AGAIN FOUND BAD FUSE HOLDER, REPLACED WITH A INLINE FUSE  
Signature: *Andrew Ford* A&P267717017

**LM** AIRCRAFT REPAIR 12730 SW 77<sup>TH</sup> STREET  
MIAMI, FL 33183  
305-978-3940

=====  
Date: 8/17/2018 AIRFRAME LOGBOOK ENTRY WO#2263

A/C Reg: N4145Z Model: PA-32R-301 SN: 3246142 ACTT: 2321.3 HOBBS: 2321.3  
REMOVED AND INSTALLED NEW LEFT TIRE WITH NEW INNER TUBE, REMOVED  
AND INSTALLED NEW RIGHT TIRE WITH NEW INNER TUBE,  
NOSE GEAR ACTUATOR AFT SUPPORT STRUCTURE DAMAGE, REPAIR  
AIRCRAFT, I/AW DRAWING RT-PA325320.80818 SEE FAA FORM 337,  
REINSTALLED ALL ITEM REMOVED AFTER SHEETMETAL REPAIR WAS DONE,  
REMOVED AND INSTALLED NEW RETRACT CYLINDER P/N 11-17  
Signature: *Andrew Ford* A&P267717017

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

and Rema

**LM** AIRCRAFT REPAIR 12730 SW 77<sup>TH</sup> STREET  
MIAMI, FL 33183  
305-978-3940

=====  
Date: 8/28/2018 AIRFRAME LOGBOOK ENTRY WO#2264



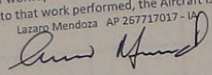
A/C Reg: N4145Z Model: PA-32R-301 SN: 3246142 ACTT: 2.340.6 HOBBS: 2.340.6  
INSTALLED VORTEX GENERATORS ON THE WING, AND TAIL SURFACES IN  
ACCORDANCE WITH MICRO AERO DYNAMICS STC # SA0126, SEE FAA 337  
FORM  
Signature: *Andrew Ford* A&P267717017

**LM** AIRCRAFT REPAIR 12730 SW 77<sup>TH</sup> STREET  
MIAMI, FL 33183  
305-978-3940

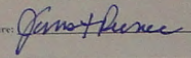
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Date: 12/18/2018 AIRFRAME LOGBOOK ENTRY WO#2340

A/C Reg: N4145Z Model: PA-32R-301 SN: 3246142 ACTT: 2.371.5 HOBBS: 2.371.5  
50 HR CHECK - REMOVED AND INSTALLED NEW OIL, SERVICED AIRCRAFT  
BATTERY, MASTER CYLINDER ON BRAKE SYSTEM, TIRES, CHECK LIGHTS,  
REMOVED CLEANED SERVICED AND REINSTALLED BOTTOM PLUGS ONLY,  
LUBED OUT SIDE CONTROL HINGE AND ROD END ONLY, DID A WALK AROUND  
ON AIRCRAFT,  
Signature: *Andrew Ford* A&P267717017

AIRCRAFT LOG

Date	Aircraft Time	Recorder	Maintenance
			 <b>Beechcraft</b> <small>TEXTION AVIATION</small> <small>ADVANCED SERVICE FACILITY</small>
			 <b>Propel</b> <small>AVIATION SALES &amp; SERVICES, LLC.</small> Airframe Logbook Entry
Registration #: N4145Z Aircraft Model: Piper PA-32R-301 Aircraft Total Time: 2389.2 hours			
Date: March 19, 2019 Aircraft S/N: 3246142 Aircraft Hobbs Reading: 2389.2 hours			
Performed an Annual Inspection, in accordance with FAR Part 43 Appendix D, Scope and Detail. Performed ELT check, in accordance with FAR 91.207; replaced battery, P/N: 452-0130; battery replacement due August 2021. Removed all access panels, and checked cable tensions and surface control travels. Lubricated all flight controls and wheel bearings. Replaced vacuum regulator filter P/N: B-3-5-1 and central gyro filter P/N: D9-18-1, with new parts.			
Complied with AD 2015-19-07 - Fuel Injector Fuel Lines and Clamps; no defects noted; next due at 2499.2 hours. AD notes were compiled with and a copy of the AD note compliance list was placed with the aircraft records.			
I certify that the Annual Inspection and other work specified, except as otherwise specified, was carried out in accordance with FAA regulations, and in respect to that work performed, the Aircraft is approved for return to service.			
Lazaro Mendoza AP 267717017 - IA 			
Total To			
Copy Forward			

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

and Remarks	Signature	Certificate No.
Peninsula Avionics, Inc 14229 SW 1277 St Miami, FL 33186 FAA CRS # QP1R337K EASA # 145.6899		
Date: 03/18/2019 Registration: N4145Z, Make: Piper, Model: PA-32R-301 S/N: 3246142 W.O. 41538 HOBBS: 2389.2		
The Pilot Static system, altimeters, and encoder tests as required by FAR § Part 91.411 in accordance with FAR § 43 Appendix E have been performed. The Pilot Static system(s) have been leak checked as per Paragraph (a). The Altimeter S/N: 407241 has been tested to 28,000 Feet as per Paragraph (b) and the Encoder S/N: 435 as per Paragraph (c). ATC Transponder test and inspections have been performed as required by FAR § 91.413 in accordance with FAR §43, Appendix F.		
Transponder Model: GTX 327 S/N: 83785024 Power: 200 Watts		
Details of work performed are filed under Peninsula Avionics, Inc. W.O: 41538		
Aircraft does not meet Automatic Dependent Surveillance Broadcast (ADS-B) Mandate.		
Authorized Signature: 		

AIRCRAFT LOG

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



Airframe Logbook Entry

Registration #: N4145Z  
Aircraft Model: Piper PA-32R-301

Date: June 13, 2019  
Aircraft S/N: 8246142

Aircraft Hobbs Reading: 2425.6 hours

Inspected landing gear system and found nose gear cylinder assembly attachment fitting and forward bolt loose. Aft bolt was missing. Replaced bolts P/N: MS20004-42 EA, bolt P/N: A02-869, bolt P/N: AN23-19, bracket P/N: 38252-002 and other hardware; performed gear swing - no discrepancies noted at this time; done in accordance with the Piper PA32R-301 Maintenance Manual, Chapter 82-30-00.

I certify that the work specified, except as otherwise specified, was carried out in accordance with FAA regulations, and in respect to that work performed, the Aircraft is approved for return to service.

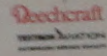
Larry Mendosa AP 26717017

*Larry Mendosa*

Carry Forward

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

Remarks	Signature	Certificate No.



Airframe Logbook Entry

Registration #: N4145Z  
Aircraft Model: Piper PA-32R-301  
Aircraft Total Time: 2438.5 hours

Date: July 2, 2019  
Aircraft S/N: 8246142  
Aircraft Hobbs Reading: 2438.5 hours

Replaced broken left flap track wax P/N: 19W20-06. Installed missing lower wing plate cover P/N: 85290-003. I certify that the work specified, except as otherwise specified, was carried out in accordance with FAA regulations, and in respect to that work performed, the Aircraft is approved for return to service.

Larry Mendosa AP 26717017

*Larry Mendosa*

AUTHORIZED RELEASE CERTIFICATE		7096380
Tregon Aviation Inc. (PCA) 1 Cresson Blvd Wichita, KS 67218		
20	ALTERNATOR BELT IDLER PULLEY	37D22355
		3827672
		N/A
		Now

AIRCRAFT LOG

Aircraft Maintenance Specialist, Inc.



12/17/19 N4145Z Piper PA32R-301 S/N 3246142 Hobbs 2445.6  
"AIRCRAFT LOG ENTRY"

- Removed and reinstalled Propeller with S/N PC10TCP33EAA. Replaced O-Ring.
- Replaced Alternator Belt with P/N 37D22355.
- Ground ran engine with no leaks noted.

*R. Wallen*  
A&P3082871



01/22/2020 N4145Z Piper PA32R-301 S/N 3246142 Hobbs 2447.6  
"AIRCRAFT LOG ENTRY"

Installed new alternator belt. Installed new alternator belt idler pulley. A/C ground run. Nil faults noted.

A&P3260835

Carry Forward



Airframe Logbook Entry



Registration #: N4145Z  
Aircraft Model: Piper PA-32R-301  
Aircraft Total Time: 2454.5 hours

Date: April 15, 2020  
Aircraft S/N: 3246142  
Aircraft Hobbs Reading: 2454.5 hours

Performed an Annual Inspection, in accordance with FAR Part 43 Appendix D, Scope and Detail.  
Performed ELT check, in accordance with FAR 91.207; battery expiration date August 2021. Replaced vacuum filter P/N: B3-5-1 and central gyro filter air P/N: D9-18-1, with new parts. Removed and replaced RH Aileron Leading edge outboard skin P/N: 38648-805. Removed and replaced RH Aileron nose rib P/N: 86398-803 assy IAW Service Bulletin No. 1011. Painted, balanced and re-installed right Aileron IAW PA-312R-301 MM, Chapter 57. Removed and installed right main landing gear switch P/N: 602-645. Performed gear swing; no defects noted at this time.

Complied with AD 2015-19-07 - Fuel Injector Fuel Lines and Clamps; no defects noted; next due at 2499.2 hours.  
AD notes were complied with and a copy of the AD note compliance list was placed with the aircraft records.  
I certify that the Annual Inspection and other work specified; except as otherwise specified, was carried out in accordance with FAA regulations, and in respect to that work performed, the Aircraft is approved for return to service.

*Lazar B. Mendoza*  
Lazar B. Mendoza AP 26771017-IA

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		

Aircraft Maintenance Specialist, Inc.



07/21/21 N4145Z Piper PA32R-301 S/N 3246142 ACTT 2480.8 Hobbs 2480.8

"AIRCRAFT LOG ENTRY"

Inspected ELT in accordance with FAR 91.207(d), replaced battery next due 03/2024. FAR91.411 & FAR91.413 next due 7/2023. C/W AD15-19-07 Fuel Injector Lines by inspection in accordance with SB342G, next due ACTT 2580.8 or 7/2022. AD04-10-14C1 Crankshaft Gear and retaining bolt due at propeller strike, engine sudden stoppage or overhaul. C/W AD99-04-04 Magneto Impulse Coupling due each 250 hours, next due ACTT 2554.3. C/W AD13-02-13 Horizontal stab control cables in accordance with SB1245A, next due ACTT 4480.8 or 7/2028. Weighed fire extinguisher. Replaced instrument air filters. Replaced nose gear upstop assembly. Replaced seals in shimmy dampener. Repaired left and right lower cowling lower attach angles with doubler repair. Serviced air conditioner with R134A to proper temperatures and pressures. "I certify that this AIRCRAFT has been inspected in accordance with an ANNUAL inspection per 14 CFR part 43, appendix D and was determined to be in airworthy condition this date 07/21/21, hobbs 2480.8, ACTT 2480.8."

*[Signature]*  
A&P2679142031A

Total to Carry Forward

Registration No.

Signature

Certificate No.

and Remarks

**FLIGHT LINE AVIONICS, INC.**  
**SUPPLEMENTAL LOG BOOK ENTRY**

Aircraft Registration: N4145Z S/N: 3246142 Model: PA-32R-301  
Performed altimeter static system test and automatic pressure altitude reporting system and the following listed are found to comply with the requirements of FAR 91.411 IAW Appendix E of Part 43. Tested to 20 thousand feet.

Altimeter: United S/N: 407241 Cal. Date: 7/21/2021  
Encoder: Sandia S/N: 435 Cal. Date: 7/21/2021

Performed transponder test and the following listed are found to comply with requirements of FAR 91.413 IAW Appendix F of Part 43.

Transponder Model: GTX327 S/N: 83705024 Cal. Date: 7/21/2021  
Details on file at this Repair Station under Work Order: # 12551

Signed: *[Signature]* **DUE NEXT: 7/2023**

North County Airport  
11550 Aviation Blvd, Suite 3  
West Palm Beach, FL 33412  
(772) 528-4881  
CRS F18R921Y

Aircraft Maintenance Specialist, Inc.



07/21/21 N4145Z Piper PA32R-301 S/N 3246142 ACTT 2480.8 Hobbs 2480.8

"AIRCRAFT LOG ENTRY"

Installed new ships battery, Concord RG24-15M S/N 414553.

*[Signature]*  
A&P-2679142031A

Supplemental Log Book Entry  
Airframe

Reg: N4145Z      Model: PA-32R-301      S/N: 3246142  
Date: 9/1/21      Hobbs: 2483.1

Removed and Replaced Avionics Ground Clearance Switch with new, P/N 688-926. Removed old exterior window sealant, Cleaned, Prepared, Masked off area and Sealed the Exterior of all Cabin Windows and Left and Right Windshields with CS3347B1-2 Sealant. Removed and Replaced Forward Baggage Door Light and Battery Buss Fuses with new, P/N GMW5. Removed and Replaced Forward Baggage Door Light Switch with aircraft broker supplied Switch, P/N 37939-002. This maintenance was performed in accordance with the manufacturer's instructions and procedures and the aircraft is approved for return to service only with respect to the work performed. -END-

*[Signature]*  
Howell 3575906, A&P



Sarasota Avionics East  
2633 Lantana Rd.  
Hangar 1301/Box 1  
Lantana, FL 33462  
941-360-6877

MAKE: PIPER  
MODEL: PA-32R-301  
SN: 3246142  
TAIL: N4145Z  
HOBBS: 2483.2

Removed GTX327 (PN: 011-00490-00, SN: 83705024) and installed factory new GTX345 (PN: 011-03302-01, SN: 3EG042336) IAW Garmin Installation Manual 190-00734-10, Rev 15 per STC SA01714WL. The ATC transponder GTX345 (SN: 3EG042336) was tested, inspected and found to comply with App F of 14 CFR 43 and 14CFR 91.413.

Disabled NavWorx ADS600-B IAW AD2017-11-11.

Performed GNS430W software update v5.40 IAW Garmin Service Bulletin 1766, Rev A.

Above installation has been documented on FAA form 337 on this date. This Aircraft and/or component identified above was repaired and inspected with respect to the work performed in accordance with current regulations of the Federal Aviation Administration and was found airworthy for return to service. Weight and balance is negligible.-END

SIGNED: *[Signature]*  
Garret Pisz for CBS # 1SER284B

DATE: 09/01/2021  
Details on file under work order #527309WA, dated 09/01/2021



AIRCRAFT LOG

Supplemental Log Book Entry - Annual Airframe

Reg: N4145Z Model: PA-32R-301 S/N: 3246142  
 Date: 7/26/22 Hobbs: 2577.0 ACTT: 2577.0

Performed an Annual Inspection with reference to FAR Part 43, appendix "D". FAA Re-Registration Due 07/2023. Checked applicable AD's thru 2022-14. AD13-02-13. Horizontal Stabilizer Control Cables Inspection, P/C/W by Inspection with reference to SB1245A with no defects found. Next Due 4480.8 or 7/2028. Complied with Nose Gear Actuator Airframe Support Repair Inspection by visual inspection of the Actuator Skin and Doubler Installation for cracks with reference to repair noted in FAA Form 337 dated 8/17/18. Next due July 2023. Performed Annual ELT Inspection IAW FAR 91.411 and 91.413 Next due July 2023. Performed Annual ELT Inspection IAW FAR Part 91.207(d) ELT P/N 453-080, S/N 62690. ELT Battery P/N 452-0130, S/N 390751-027 Expiration: Mar 2024. Removed and Replaced Central Instrument Air Filter with new P/N AAD9-18-1 and Gyro Suction Relief Valve Filter with new P/N AR03-S-1. Disassembled, Cleaned, Inspected and Reassembled Fuel Gascolator using new O-Ring, P/N MS29513-043 with no contamination found at this time. Removed and Replaced Induction Air Filter with new P/N BA3. Removed, Inspected, Cleaned and Reinstalled Engine Fuel Injector Servo Inlet Screen Filter using new O-Rings, P/N 951790 and 9511392 with no defects noted at this time. Removed Left and Right Main Wheel Assemblies and Cleaned Wheel Halves. Removed and Replaced Left Main Landing Gear Tire, 600X6 8 ply Goodyear FLT Custom III P/N 606C86-6, S/N 11050606 using new Tire Tube, P/N 092-500-0. Torqued Wheel Halves and Reinstalled Left and Right Main Wheel Assemblies and safetied axle nuts using new Tire Tube, P/N 092-500-0. Torqued Wheel Hinges/pivot points of Cabin Heat Control Cable Brackets as necessary. Replaced Left and Right Wing Inspection Panels. Cleaned and lubricated hinges/pivot points of Cabin Heat Control Cable Brackets as necessary. Removed and Replaced Cabin Heat Duct from the Exhaust Shroud to the Firewall Cabin Landing Gear Torque Link Bolts. Removed and Replaced Left Landing Gear Wheel Well Rubber Lip Stops with new P/N MS51957-44, MS24693C50, 10RX1/2THASS as necessary. Tightened Left and Right Main Landing Gear Torque Link Bolts. Removed and Replaced Left Landing Gear Wheel Well Rubber Lip Stops with new P/N 63078-034. Performed landing gear extension/retraction and emergency extension tests with reference to PA32R-301 M.M. and landing gear operated normally at this time. I certify that this Aircraft has been inspected/repared in accordance with an Annual Inspection and has been determined to be in an airworthy condition and that work described above was accomplished and inspected in accordance with current FAA regulations and is approved for return to service. -END-

*Bob Latta*  
 Bob J. Latta, 3118790 A&P, IA

Forward

Supplemental Log Book Entry  
 Airframe

Reg: N4145Z Model: PA-32R-301 S/N: 3246142  
 Date: 10/18/22 Hobbs: 2614.5

Removed and Replaced Nose Landing Gear Upstop Bumper with new, P/N 37970-005. Removed and Replaced High Pressure Side of Charging Port Schrader Valve with new P/N 302DN. Serviced Air Conditioning System with R134A Freon. This maintenance was performed in accordance with the manufacturer's instructions and procedures and the aircraft is approved for return to service only with respect to the work performed. -END-

*Mark A. Howell*  
 Mark A. Howell, 3575906, A&P

Supplemental Log Book Entry  
 Airframe

Reg: N4145Z Model: PA-32R-301 S/N: 3246142  
 Date: 12/14/22 Hobbs: 2638.9

Cleaned Engine Oil Temperature Sensor Cannon Plug connections and safetied. Removed and Replaced Engine Exhaust Shroud Heat Clamps with new #16 Clamp, P/N 6204016 and #16 Clamp, P/N 6204016. Removed and Replaced Air Conditioning High Pressure Discharge Hose to Air Conditioning Condenser under aft floor. Pressurized System to 375 PSI with no leaks found at this time. Reinstalled Air Conditioning Compressor, Aft Seats and Upholstery removed for access. Serviced Air Conditioning System with R-134A Freon. Performed Engine Ground Run and Air Conditioning operated normally at this time. This maintenance was performed in accordance with the manufacturer's instructions and procedures and the aircraft is approved for return to service only with respect to the work performed. -END-

*Mark A. Howell*  
 Mark A. Howell, 3575906, A&P



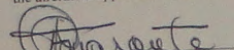
AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		

Supplemental Log Book Entry  
Airframe

Reg: N4145Z Model: PA-32R-301 S/N: 3246142  
 Date: 4/5/23 Hobbs: 2656.1

Removed Air Conditioning Pressure Switch and line. Flushed Air Conditioning Components and Lines. Removed and Replaced Air Conditioning Receiver Dryer Filter with new, P/N 602-682. Removed Air Conditioning Compressor, P/N 4626107780, S/N S5111 and Replaced with Overhauled Air Conditioning Compressor, P/N 100821-003, S/N 1604210680, Skyline Accessories, LLC W/O# 28019. Reinstalled Air Conditioning Pressure Switch and line. Evacuated System and Serviced with R134A Freon. Performed Engine Ground Run and Air Conditioning operated normally at this time. Reinstalled Engine Cowlings and items removed for access. Serviced Nose Strut. This maintenance was performed in accordance with the manufacturer's instructions and procedures and the aircraft is approved for return to service only with respect to the work performed. -END-

  
 Francisco O. Amarante, 2786079, A&P

Carry Forward

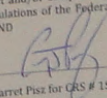
Registration No.

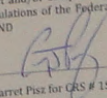
and Remarks

MAKE PIPER  
 MODEL PA-32R-301  
 SN 3246142  
 TAIL: N4145Z  
 HOBS: 2673.5

Altimeter 5934PD-3 (SN: 307241) has been tested to an altitude reporting system 305154-00 (SN: 435) was tested and found to 14CFR 91.217. The ATC transponder GTX345 (SN: 3EG042336) was tested to 14CFR 91.413. The static pressure system was tested and inspected.

This Aircraft and/or component identified above was repaired current regulations of the Federal Aviation Administration and changed.-END

SIGNED:   
 Garret Pixz for QRS # 1SER2B4B

Aircraft		Registration		Engine		Propeller		Airframe	
Model	PA-32R-301	Registration	N4145Z	Model	300	Propeller	PA-32R-301	Manufacturer	PA-32R-301
Year	2003	Country	USA	Year	2003	Year	2003	Year	2003
Make	PA-32R-301	Make	USA	Make	PA-32R-301	Make	PA-32R-301	Make	PA-32R-301
Part No.	3246142	Part No.	N4145Z	Part No.	300	Part No.	PA-32R-301	Part No.	PA-32R-301
Serial No.	3246142	Serial No.	N4145Z	Serial No.	300	Serial No.	PA-32R-301	Serial No.	PA-32R-301
Weight	3000	Weight	3000	Weight	3000	Weight	3000	Weight	3000
Capacity	3000	Capacity	3000	Capacity	3000	Capacity	3000	Capacity	3000
Power	3000	Power	3000	Power	3000	Power	3000	Power	3000
Speed	3000	Speed	3000	Speed	3000	Speed	3000	Speed	3000
Altitude	3000	Altitude	3000	Altitude	3000	Altitude	3000	Altitude	3000
Pressure	3000	Pressure	3000	Pressure	3000	Pressure	3000	Pressure	3000
Temperature	3000	Temperature	3000	Temperature	3000	Temperature	3000	Temperature	3000
Humidity	3000	Humidity	3000	Humidity	3000	Humidity	3000	Humidity	3000
Wind	3000	Wind	3000	Wind	3000	Wind	3000	Wind	3000
Visibility	3000	Visibility	3000	Visibility	3000	Visibility	3000	Visibility	3000
Clouds	3000	Clouds	3000	Clouds	3000	Clouds	3000	Clouds	3000
Weather	3000	Weather	3000	Weather	3000	Weather	3000	Weather	3000
Remarks	MAKE PIPER MODEL PA-32R-301 SN 3246142 TAIL: N4145Z HOBS: 2673.5								
Altitude	Altimeter 5934PD-3 (SN: 307241) has been tested to an altitude reporting system 305154-00 (SN: 435) was tested and found to 14CFR 91.217. The ATC transponder GTX345 (SN: 3EG042336) was tested to 14CFR 91.413. The static pressure system was tested and inspected.								
Remarks	This Aircraft and/or component identified above was repaired current regulations of the Federal Aviation Administration and changed.-END								
Signed	SIGNED:  Garret Pixz for QRS # 1SER2B4B								
Date	Date: 04/05/2023								

