

# AIRCRAFT LOG



NOTICE

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

PAINT TYPE: DUPONT IMRON 6000

Key Code: 8M56837 Aircraft Security & Alert 214-956-9563

# AIRCRAFT DESCRIPTION

Registration No. N456Y

Model: PA-28-181 Popular Name: ARCHER III

Serial No.: 2843353 Type Certificate No.: 2A13

Colors: NEW PIPER EGG SHELL / DARK GREEN MET. & DARK GREEN MET. / GOLD MET.  
L0007HL L5003HL L5003HL L4059HL

Engine Manufacturer: LYCOMING Serial Numbers: Single L-37460-36A

Original Engine Model: O-360-A4M Left \_\_\_\_\_

Right \_\_\_\_\_

Propeller Manufacturer: SENSENICH Hub or Serial Number: Single 33859K

Original Propeller Model: 76EM8514-0-62 Left \_\_\_\_\_

Right \_\_\_\_\_

## Blade Numbers

Left

Right

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**2000 MODEL**

# COMPLIANCE WITH FAA AIRWORTHINESS DIRECTIVES

A. D. No. and Date	Method of Compliance (See Log for Details)	Time on Aircraft	Date of Compliance	Signature and Certificate No.
AD'S THRU	<u>2000-09</u> COMPLY	5.7	MAY 24 2000	DDA 50-1

  
**RICHARD L. MURDOCK**

# AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
MAY 24 2000	Brought Forward →	5.7		
			<p>I HAVE INSPECTED THIS AIRCRAFT AND ISSUED A STANDARD AIRWORTHINESS CERTIFICATE</p> <p>DATED <u>MAY 24 2000</u> I/A/W</p> <p>FAR 21.183(w) PER 21.273.</p> <p style="text-align: center;"><i>[Signature]</i> FAA DOA SO-1</p> <p style="text-align: center;"><b>RICHARD L. MURDOCK</b></p> <p>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.</p> <p>ONIL <u>3/23/00</u> IPI <u>N/A</u></p> <p>SIGNED <u><i>[Signature]</i></u> DATE <u>MAY 24 2000</u></p> <p style="text-align: center;"><b>RICHARD L. MURDOCK</b></p> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p>The ELT is installed per FAR 91.207. Battery replacement date <u>5/2002</u></p> <p style="text-align: center;"><i>[Signature]</i></p> <p>D.O.A. No. SO-1 The New Piper Aircraft, Inc.</p> <p style="text-align: center;"><b>RICHARD L. MURDOCK</b></p> </div>	
Total To Carry Forward		5.7		

Registration No. N456Y

and Remarks

Signature

Certificate No.

The ATC Transponder Tests and Inspections required by FAR 91.413 were performed this date and found to comply with FAR 43, Appendix F.

ATC Transponder:

1. Make GARMIN Model GTX 320 S/N 83501977
2. Make N/A Model N/A S/N N/A

Details of this inspection are on file at this facility under

S/N 2843353 Date 4/26/2000

Q.A. Inspector *[Signature]*

THE NEW PIPER AIRCRAFT, INC.  
VERO BEACH, FLORIDA

**RICHARD L. MURDOCK**

THE AUTOMATIC PRESSURE ALTITUDE  
REPORTING EQUIPMENT TEST REQUIRED BY  
FAR PART 91.217 HAVE BEEN PERFORMED THIS

DATE: 4/26/00 SIGNED: *[Signature]*

**RICHARD L. MURDOCK**

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

and Remarks	Signature	Certificate No.
-------------	-----------	-----------------

Make/Model: PIPER PA28-181

Serial No. 2843353

Time: HOBBS: 95.60

Reg No.: N4

Date: 08/21



### Log Book Entry

REMOVED AIRCRAFT MAIN BATTERY FOR INOPERATIVE CONDITIONS. SERVICED, TOP CHARGED AND INSTALLED NEW GIL BATTERY P/N G-243, S/N G01988128. OPERATIONAL CHECKS COMPLETE AND FOUND TO BE SATISFACTORY. ALL WORK ACCOMPLISHED I/A/W PA28-181 MAINTENANCE MANUAL AND IS APPROVED FOR RETURN TO SERVICE. END

Work Order: 17623

Authorized Signature: \_\_\_\_\_

F.A.A. Certified Repair Station WD4R618M

Banyan Air Service 1635 NW 51st Place Ft. Lauderdale, FL 33309 Phone: 954.491.3170 Fax: 954.491.1611


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

Make/Model: PIPER PA28-181

Serial No. 2843353

Time: ACTT: 95.4



*see May 24, 2004  
TEXAS*

Reg No.: N456

Date: 06/08/0

### Log Book Entry

I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED I/A/W AN ANNUAL INSPECTION PER GUIDELINES IN THE PIPER PA28-181 MAINTENANCE MANUAL 100 HOUR INSPECTION CHECKLIST, FAR 43 APPENDIX D, AND HAS BEEN DETERMINED TO BE IN AN AIRWORTHY CONDITION. AD'S CHECKED THROUGH 2001-11F. AD 99-24-10 N/A TO TYPE SYSTEM INSTALLED. AD 84-26-02 NOT DUE UNTIL 500.0 ACTT. COMPLIED WITH AD 95-26-13, OIL COOLER HOSE INSPECTION AND FOUND HOSES TO BE IN A SATISFACTORY CONDITION FOR CONTINUED SERVICE. INSTALLED A NEW CABIN DOOR LOCK P/N 87329-07. INSTALLED A NEW DRAIN ASSEMBLY P/N 492-312 ON THE RIGHT WING FUEL DRAIN PORT. CLEANED AND LUBRICATED THE CONTROL YOKE TORQUE TUBES. TIGHTENED INBOARD HYDRAULIC FITTING NEAR THE LEFT FUEL TANK TO PREVENT FURTHER SEEPAGE OF FLUID. INSTALLED A NEW NOSE WHEEL ASSEMBLY P/N 551-785 UTILIZING THE SAME TUBE AND TIRE FOUND TO BE IN A SATISFACTORY CONDITION FOR CONTINUED SERVICE. SERVICED THE AIRCRAFT BATTERY AND CLEANED THE BATTERY TERMINALS. OPERATIONAL / LEAK CHECKS COMPLETED ON WORK DESCRIBED ABOVE AND FOUND TO BE SATISFACTORY. ALL WORK ACCOMPLISHED I/A/W THE PIPER PA28-181 MAINTENANCE MANUAL AND IS APPROVED FOR RETURN TO SERVICE. END.

Work Order: 17288

Authorized Signature: \_\_\_\_\_

*Don C. Thomas*

F.A.A. Certified Repair Station WD4R618M

Banyan Air Service 1635 NW 51st Place Ft. Lauderdale, FL 33309 Phone: 954.491.3170 Fax: 954.491.1612



# AIRCRAFT LOG

Make: Piper

Model: 28-181 Archer

Serial No.: 2843353

Hours: 125.6 hobbs



Reg. No.: N456Y

Date: March 25, 2002

W/O No.: 18321

Page: 1 of 1

## Log Book Entry

### Description of Work Accomplished

Installed an Electronics International UBG-16 bar graph engine analyzer system S/N 52218 in accordance with STC SA00680SE. Installed Electronics International FP-5L Fuel Flow / Fuel Pressure indication system S/N 52221 in accordance with STC SA00068SE. Installed Electronics International Digital Volt / Amp Gauges VA-1A S/N 52291 in accordance with installation instructions no. II 040934 per STC SA2693NM. (See 337 this date). Installed Electronics International AV-17 Annunciator system S/N 52217 as a minor alteration (no 337 required). Complied with Piper SB 1057, Low Noise Muffler installation. Complied with Service Letter 1033 Replacement of Air Conditioning Hose. Serviced air conditioning system and leak checked.

### Approval for Return to Service

All work has been performed in accordance with the applicable manufacturer's maintenance instructions and functionally checked for proper operation. The Item Identified above was repaired and inspected in accordance with current FAA regulations and is approved for return to service. Pertinent details of the repair are on file at this agency under this work order.

Authorized Signature:

A handwritten signature in blue ink, appearing to read 'Richard B Macdonald', is written over a horizontal line.

Richard B (Dick) Macdonald, Chief Inspector

**FAA Certificated Repair Station WD4R618M**

1635 NW 51<sup>st</sup> Place Fort Lauderdale, Florida 33309

Phone 954 491 3170 Fax 954 491 1612

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

Make: **PIPER**

Model: **PA 28-181**

Serial No.: **2843353**

Hours: **144.3** hobbs



Reg. No.: **N456Y**

Date: **April 22, 2002**

W/O No.: **18707**

Page: **1**

### Log Book Entry

#### Summary of work accomplished.

Accomplished an ANNUAL inspection and determined the aircraft is in AIRWORTHY condition.  
Altimeter test per FAR 91.411 due May 02. Transponder test per FAR 91.413 due May 02.  
ELT test per 91.207 (c)(d) accomplished by Banyan Avionics on work order 62822. ELT battery due May 02.  
Checked for new and recurring airworthiness directives through this date. Refer to AD summary.

#### Approval for Return to Service

All work has been performed in accordance with the applicable manufacturer's maintenance instructions and functionally checked for proper operation. The aircraft identified above was repaired and inspected in accordance with current FAA regulations and is approved for return to service. Pertinent details of the repair are on file at this agency under this work order.

Authorized Signature:

Richard B (Dick) Macdonald, Chief Inspector

**FAA Certificated Repair Station WD4R618M**

1635 NW 51<sup>st</sup> Place Fort Lauderdale, Florida 33309

Phone 954 491 3170 Fax 954 491 1612

# AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		

LOGBOOK ENTRY: Archer N456Y Tach 144.06  
 THE STATIC PRESSURE SYSTEM, TRANSPONDER WITH ALTITUDE REPORTING WAS IDENTIFIED TESTED AND INSPECTED I/A/W FAR43 APPENDIX E, PAR A & C, APPENDIX F (FAR91.413) AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THIS TEST IS ON FILE AT THIS REPAIR STATION UNDER W.O. 5129 DATE April 22, 2002

SIGNATURE Mark B. Alicandro INSP. (MBA)

**TROPIC RADIO INC. 2695 N.W. 56th ST. HANGER 53-D  
 FT. LAUDERDALE FL. 33309 FAA APPROVED REPAIR STATION # RZ4R510M  
 FT. LAUDERDALE EXECUTIVE AIRPORT \* ARCHER RAMP \*  
 TELEPHONE # 954-776-4030**

GTX 327 S/N 83708732  
 AR 850 S/N 15894

CERTIFICATION EXPIRES ON April 30, 2004

atal To  
 arry Forward

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

and Remarks

Signature

Certificate No.

Make/Model PIPER PA-28-181

## Log Book Entry

Reg. No. N456Y

Serial No. 2843353

Date February 19, 2002

Tach/Hobbs Reading \_\_\_\_\_

FAA Certified Repair Station  
SD4R514M

1635 NW 51<sup>st</sup> Place  
Ft. Lauderdale, FL 33309  
(954)491-3170  
Fax (954)491-6958  
[www.banyanair.com](http://www.banyanair.com)

- 1) REMOVED GARMIN GNS-430, GTX-320 AND MITCHELL TACH P/N CD-122-5014
- 2) INSTALLED GARMIN GNS-530, GTX-327, GOODRICH TRC-497 WITH NY164 ANTENNA, WX-500 WITH NY 163 ANTENNA, MID CONTINENT 26VAC INVERTER AND HORIZON INSTRUMENT P-1000 TACH PER STC SA 5842NM. REFERENCE FIELD APPROVED 337 DATED 19 FEB 2002 FOR DETAILS
- 3) EQUIPMENT LIST CHANGED, WEIGHT AND BALANCE COMPUTED

The appliance on this operation has been repaired or tested and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the service are on file at this repair station #SD4R514M.



Inspector 100

Authorized Signature DOUG EBY

Work Order # 62345

# AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		

Make/Model: PIPER PA-28-181

Reg No.: N456Y

Serial No. 2843353

Date: 29 MARCH 2002

Time: 135.5



## Log Book Entry

INSTALLED S-TEC GPSS SYSTEM. REFERENCE 337, DATED 29 MARCH 2002 FOR DETAILS.  
 THE UNIT INSTALLED WEIGHS 0.5 LB. A NEW WEIGHT AND BALANCE IS NOT COMPUTED. EQUIPMENT  
 LIST ADDITION IS ATTACHED TO 337.

The appliance on this operation has been repaired or tested and inspected in accordance with current regulations  
 of the Federal Aviation Administration and is approved for return to service. Pertinent details of the service are  
 in file at this repair station #SD4R514M.

Work Order: 62488

Inspector: 100 Authorized Signature: \_\_\_\_\_

F.A.A. Certified Repair Station SD4R514M

Banyan Air Service 1635 NW 51st Place Ft. Lauderdale, FL 33309 Phone: 954.491.3170 Fax: 954.491.6958

Total to Carry Forward



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

and Remarks

I certify that the static and integration inspection required by FAR-43 Appendix E para. A & C have been performed in accordance with 91.411

Flite Electronics, Inc., Addison, TX 75001

FAA #DG2R767K Signed \_\_\_\_\_

*[Signature]* 8-5-02

FL12

TIME: 17519

I certify that this aircraft has been inspected in accordance with FAR 91.413 and Appendix F of FAR 43 inspection and was determined to be in airworthy condition.

Transponder #1 Model \_\_\_\_\_

GTX-327

sn

83708732

Transponder #2 Model \_\_\_\_\_

sn

FLITE ELECTRONICS, INC.  
ADDISON, TEXAS

FAA #DG2R767K Signed \_\_\_\_\_

*[Signature]* 8-5-02

Date

FL10

TIME: 17519

AIR DALLAS INSTRUMENTS

altitude reporting equipment in accordance with the inspection required by FAR 91.411 & FAR 43 Appendix E Sub-paragraph (b). certified the altimeter system and

AR-850 Encoder Model tested to 30,000 ft.

UNITEO Altimeter/Encoder Model tested to 20,000 ft.

Altimeter/Encoder Model tested to \_\_\_\_\_ ft.

Altimeter/Encoder Model tested to \_\_\_\_\_ ft.

FLITE ELECTRONICS, INC. ADDISON, TEXAS 75001

Signed

*[Signature]* 8-5-02

FAA #DG2R767K

Date

TIME: 17519

FL11

AIR DALLAS INSTRUMENTS INC.

DATE 7-31-02 W.O. 22481-A

ALTIMETER SCALE ERROR

CERT. REP. STA. #VE1R555K

NOMENCLATURE  
ALTIMETER PRESSURE

SERIAL NO.

411040

TEST PT (FT)	INDICATOR READINGS AT + 25° C	TEST PT (FT)	INDICATOR READINGS AT + 25° C	TEST PT (FT)	INDICATOR READINGS AT + 25° C
-1,000	-	6,000	-20	25,000	
0 0	-	8,000	-20	30,000	
500	-	10,000	-25	35,000	
1,000	-	12,000	-25	40,000	
1,500	-	14,000	-20	45,000	
2,000	-	15,000	-20	50,000	
2,500	-5	16,000	-15	55,000	
3,000	-5	18,000	-10	60,000	
4,000	-10	20,000	+10	70,000	
5,000	-20	22,000		80,000	

# AIRCRAFT LOG

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

**AERO RESTORATIONS, INC.**  
 Addison Airport, Addison, Texas 75001

**N456Y**  
 PA28-181  
 SN: 2843353

## Airframe Log Entry

August 19, 2002      Hour Meter: 177.2      Removed cabin door and baggage door locks. Installed Aircraft Security and Alert Systems Medeco Secure II locks, cabin door lock p/n AS513G and baggage door lock p/n AS51H271KP. Installed IAW Medeco Secure II installation instructions. Ops check ok.

I CERTIFY THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH FAR 91.409(F)(3) AND/OR REPAIRED IN ACCORDANCE WITH THE CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE ONLY FOR THE WORK PERFORMED ABOVE. FOR FURTHER INFORMATION SEE WORK ORDER #02-1770 ON FILE AT THIS STATION. DATED 08/19/02. INSPECTED BY *[Signature]* FOR AERO RESTORATIONS, INC.  
 CRS #XR0R795Y, ADDISON, TEXAS 75001.

<b>Total To Carry Forward</b>				



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

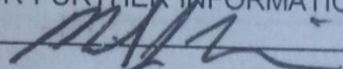
and Remarks	Signature	Certificate No.
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**AERO RESTORATIONS, INC.**  
**Addison Airport, Addison, Texas 75001**

**N456Y**  
 PA28-181  
 SN: 2843353

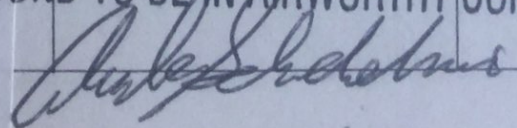
**Airframe Log Entry**

October 16, 2002      Hour Meter: 193.7      Replaced stall warning breaker with new p/n 7277-2-5. Removed horn and found wires crossed at horn; switched wires. Stall warning checked good. Replaced left landing light lens with new p/n 85402-006. Ops check good.

I CERTIFY THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH FAR 91.409(F)(3) AND/OR REPAIRED IN ACCORDANCE WITH THE CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE ONLY FOR THE WORK PERFORMED ABOVE. FOR FURTHER INFORMATION SEE WORK ORDER #02-1822 ON FILE AT THIS STATION. DATED 10/16/02. INSPECTED BY  FOR AERO RESTORATIONS, INC. CRS #XR0R795Y, ADDISON, TEXAS 75001.

4/10/03 225.0 ANNUAL INSPECTION  
 R&R all panels to gain access for inspection and lubrication of all pullies and pivot points. Check main fuel screen. Check all lights for proper operation. Check for proper installation of all placards. Removed all wheels and inspected bearings and races, and repacked with grease, install new tire and tube on the left main gear, installed all new brake linings, PN-66-105. Replaced both instrument air filters, PN-RAB3-5-1, and RAD9-18-1. Checked ELT for proper operation per FAR91-207d, installed new ELT battery (expire. Date 5/05). All AD's checked thru bi weekly period 03-06. (see AD log) Charles Schandelmeier, IA465619265

I CERTIFY THAT THIS Aircraft  
 HAS BEEN INSPECTED IN ACCORDANCE WITH A Annual INSPECTION AND WAS  
 FOUND TO BE IN AIRWORTHY CONDITION.



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

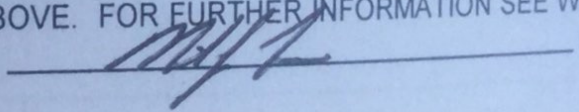
**AERO RESTORATIONS, INC.**  
**Addison Airport, Addison, Texas 75001**

**N456Y**  
 PA28-181  
 SN: 2843353

**Airframe Log Entry**

May 21, 2004      AFTT: 261.0      Tach Time: 261.0      TSEN: 261.0      TSPN: 261.0

C/W an annual inspection IAW Piper Maintenance Manual Inspection Guide. Installed repaired upper air conditioning bracket p/n 99624-00, reference Ray's Aircraft Welding work order #7112. Installed bracket air filter assembly, p/n BA-104, under STC SA693CE, and IAW Brackett Installation Instructions BA-104-03, dated 08/23/1988. AD 84-26-02 paper induction air filter replacement no longer applies. Installed new left and right wing fuel cap seals p/n 462-056. Adjusted aileron, stabilator and stabilator trim cable tensions to proper tension IAW Piper PA-28-181 Maintenance Manual specifications and saftied as required. C/W FAR 91.207(d) ELT Inspection by function test; function test good. Battery expiration date May 2005. Installed new vacuum regulator filter p/n RAB3-5-1. Serviced air conditioning system with R-134A freon. Installed new right main tire Goodyear Flight Special II tire 6.00-6, 4-ply, s/n 40980158 using existing tube. C/W 12 month fire extinguisher weight check. Calibrated oil pressure gauge, reference Air Dallas Instruments work order #45082 for details. Installed new oil pressure transducer p/n 548-729. Installed new boot p/n TN714 to starter wire terminal end.

I CERTIFY THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH FAR 91.409, AN ANNUAL INSPECTION AND/OR REPAIRED IN ACCORDANCE WITH THE CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE ONLY FOR THE WORK PERFORMED ABOVE. FOR FURTHER INFORMATION SEE WORK ORDER #04-2176 ON FILE AT THIS STATION. DATED 5/21/2004. INSPECTED BY  FOR AERO RESTORATIONS, INC. CRS #XR0R795Y, ADDISON, TEXAS 75001.

WRISTON AVIATION F.A.A. C.R.S. R2FR683J

AIRCRAFT- PA28-181

TAIL NO.- N456Y

TACH. TIME- 261.03

Altimeter: Univ. 5934PA-3  
SN 411040

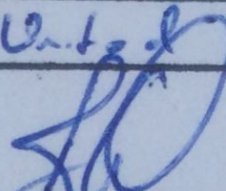
Encoder: Narco AD-850 SN 15894

I CERTIFY THAT THE ALTIMETER AND STATIC SYSTEMS TEST AS REQUIRED BY FAR 91.411 HAVE BEEN PERFORMED IN ACCORDANCE WITH FAR 43 APPENDIX E. THE ALTIMETER WAS TESTED TO 20,000 FEET ON 5/14/04 PERTINENT DETAILS OF THE TEST ARE ON FILE AT THIS AGENCY UNDER WORKORDER NO. 040524 DATE 5/14/04 SIGNED [Signature] FOR WRISTON AVIATION C.R.S. No. R2FR683J

I CERTIFY THAT THIS TRANSPONDER MAKE Gorman MODEL GTX-327 S/N 83708732 AS INSTALLED IN THIS AIRCRAFT HAS BEEN TESTED AS REQUIRED BY FAR 91.413 IN ACCORDANCE WITH FAR 43 APPENDIX F ON THIS DATE 5/14/04 TACH 261.03 PERTINENT DETAILS OF THE TEST ARE ON FILE AT THIS AGENCY UNDER WORKORDER NO. 040524 DATE 5/14/04 SIGNED [Signature] FOR WRISTON AVIATION C.R.S. No. R2FR683J

# WRISTON AVIATION

C.R.S. R2FR683J

Customer Name: <u>N456Y</u>	
Date: <u>5/11/04</u>	ALT. P/N: <u>5934PD-3</u>
ALT. Make: <u>Unit</u>	ALT. S/N: <u>411040</u>
Checked by: 	

## ALTIMETER SCALE CORRECTION CARD

W/O# 040524

ALTITUDE FEET	ALTIMETER READS		ALTITUDE FEET	ALTIMETER READS	
	UP	TOLERANCE		UP	TOLERANCE
-1,000	<u>-1005</u>	$\pm 20$	12,000	<u>11980</u>	$\pm 90$
0	<u>0</u>	$\pm 20$	14,000	<u>13975</u>	$\pm 100$
500	<u>500</u>	$\pm 20$	16,000	<u>15985</u>	$\pm 110$
1,000	<u>1000</u>	$\pm 20$	18,000	<u>17995</u>	$\pm 120$
1,500	<u>1500</u>	$\pm 25$	20,000	<u>20015</u>	$\pm 130$
2,000	<u>1990</u>	$\pm 30$	22,000		$\pm 140$
3,000	<u>2990</u>	$\pm 30$	25,000		$\pm 155$
4,000	<u>3985</u>	$\pm 35$	30,000		$\pm 180$
6,000	<u>5980</u>	$\pm 40$	35,000		$\pm 205$
8,000	<u>7975</u>	$\pm 60$	40,000		$\pm 230$
10,000	<u>9975</u>	$\pm 80$	45,000		$\pm 255$
			50,000		$\pm 280$

Registration No. N 456 Y

and Remarks	Signature	Certificate No.
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FLITE ELECTRONICS, INC. 4786 AIRPORT PKWY ADDISON, TX 75001-3363 DG2R767K  
 LOG ID# 1310 24-September-2004 WO# 11597/1 REF# 11597 Document# FL13 AC TT 278.2  
 N456Y S/N 2843353 PIPER PA-28-181 ARCHER II

Pg 1 / 1

\*\*\*\* ITEM # 11597-1 DG \*\*\*\*

DISCREPANCY: HSI inop.  
 Model: 6444 Part#: 6444 Serial#: 673B  
 ACTION: Checked HSI in aircraft, found compass card rocks back and forth in slave mode and free mode. Removed DG P/N 6444 s/n 746A from aircraft. Installed OHC 6444 s/n 673B. Complete check of system was normal.

The aircraft identified was repaired and/or inspected in accordance with current Federal Aviation Administration regulations and is hereby approved for return to service with respect to work performed.

Mark Pledger 9-24-04  
 DG2R767K MARK PLEDGER Date


**Air-O Specialists of Texas, Inc.**  
 P. O. Box 39  
 Addison, Texas 75001  
 (972) 931-1669 phone  
 (972) 931-9069 fax

3/15/2005 TACH 284.64 Annual Inspection  
 Removed all panels and interior for inspection and lubrication of all pulleys and pivot points. Inspected airframe and reinstalled all panels and interior. Checked main fuel screen. Removed all wheels and tires, inspected all bearings and races packed with grease and reinstalled. Install new aircraft battery with P/N G-243. Install new ELT battery p/n 110-4. Complied with AD 04-14-12 part 1 and 2 IAW Piper Aircraft Service Bulletin 1139A. Complied with AD 91-207d, elt exp. 4/2007. Check all lights and strobes. Checked all placards. 91.411, 91.413 due on 06/06. Checked AD's thru bi-weekly period 05-03. Jorge Ashford, IA629621489

Jorge Ashford

I CERTIFY THAT THIS AIRFRAME  
 HAS BEEN INSPECTED IN ACCORDANCE WITH A  
ANNUAL INSPECTION AND WAS  
 FOUND TO BE IN AIRWORTHY CONDITION.

# AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
Brought Forward →	 <p style="font-size: small; margin: 0;">Hampton Roads Charter Service 5186 W Military Hwy Chesapeake, VA 23321</p> <p style="font-weight: bold; margin: 5px 0;">Date: 04-07-2006     N456Y     Hobbs: 345.9</p> <p style="margin: 0;">Performed annual inspection in accordance with the Piper PA28-181 service manual and I have determined that this aircraft is in airworthy condition. Installed new BA104 air filter element. Post operational test of above work was good.</p> <p style="margin: 0;">Performed E.L.T. annual inspection per 91.207d, battery due for replacement on or before February 2008.</p> <p style="margin: 0; text-align: center;"><b>Nathan L. Steigenga</b>     <b>A&amp;P 373985852</b></p> <p style="margin: 0; text-align: center;"><i>Nathan L. Steigenga</i></p>			
Total To Carry Forward				

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

and Remarks

Signature

Certificate

DATE 04-14-06 AC HRS 346.16 N 4564

I CERTIFY THAT THE ALTIMETER, ALTITUDE REPORTING AND STATIC SYSTEM TESTS REQUIRED BY CFR 91.411 HAVE BEEN PERFORMED. TESTS WERE PERFORMED TO \_\_\_\_\_ FT.

ALT. 04-14-06 DATE

ENCODER 04-14-06 DATE

STATIC SYSTEM 04-14-06 DATE

THIS 6TX 327 TRANSPONDER S/N 03708732 HAS BEEN TESTED AND FOUND TO BE IN COMPLIANCE WITH THE REQUIREMENTS OF CFR 91.413(PART 43 APP F).

DATE 04-14-06

SIGNED Ronald W. Fulpey  
INSPECTOR

BAY AVIONICS, LTD. HM1R197K

# ALTIMETER TEST AND INSPECTION REPORT

BAY AVIONICS, LTD.

HM1R197K

Customer: <u>David Wayne Terry</u>		Work Order: <u>20515</u>
Aircraft <u>N 4564</u>	Aircraft Make/Model <u>Piper PA-28-1FI</u>	Squawk Number: <u>122</u>
PRELIMINARY INSPECTION FINDINGS: <u>OK</u>		
Inspected By: <u>Ronald W. Cuspeppig</u> Authorized Inspector		Date: <u>04-14-06</u>

TABLE I

Altitude (feet)	Equivalent pressure (inches of mercury)	Tolerance ±	Altimeter Error	Encoder Error (Tol. ± 125 ft.)
-1,000	31.018	20	-15	Ø
0	29.921	20	-15	Ø
500	29.385	20	-10	Ø
1,000	28.856	20	-10	Ø
1,500	28.335	25	-10	Ø
2,000	27.821	30	-10	Ø
3,000	26.817	30	-10	Ø
4,000	25.842	35	-20	Ø
6,000	23.978	40	-25	Ø
8,000	22.225	60	-25	Ø
10,000	20.577	80	-30	Ø
12,000	19.029	90	-40	Ø
14,000	17.577	100	-10	Ø
16,000	16.216	110	-20	Ø
18,000	14.942	120	-10	Ø
20,000	13.750	130	+15	Ø
22,000	12.636	140		
25,000	11.104	155		
30,000	8.885	180		
35,000	7.041	205		
40,000	5.538	230		
45,000	4.355	255		
50,000	3.425	280		

TABLE II-TEST TOLERANCES

Test	Tolerance (feet)
Case Leak Test	100
Hysteresis Test:	
First Test Point (50 percent of maximum altitude)	75
Second Test Point (40 percent of maximum altitude)	75
After Effect Test	30

TABLE III-FRICTION

Altitude (feet)	Tolerance (feet)	Reading
1,000	70	20
2,000	70	30
3,000	70	30
5,000	70	20
10,000	80	50
15,000	90	35
20,000	100	45
25,000	120	
30,000	140	
35,000	160	
40,000	180	
50,000	250	

TABLE IV-PRESSURE-ALTITUDE DIFFERENCE (Scale Error Test)

Pressure (inches of Hg)	Altitude difference (feet)	Result Tol. ± 25 ft.
28.10	-1,727	✓
28.50	-1,340	✓
29.00	-863	✓
29.50	-392	✓
29.92	0	✓
30.50	+531	✓
30.90	+893	✓
30.99	+974	✓

Notes: TACH-346.16

GTX-327 S/N 98708732

Final Inspection

Ronald W. Cuspeppig  
signature

04-14-06  
Date



AIRCRAFT LOG

**INDY  
AERO**

www.indyaero.com

**Indy Aero, LLC  
3867 Aviation Way  
Greenfield, IN 46140**



Maintenance

**Tail No.: 456Y**

**Date: 1/19/2007**

**Tach: 434.14**

Removed and replaced tube on right main tire with new tube part no. 092-315-0

*Joseph M. Wood*

**Joseph M. Wood**

**AP2769858**

**INDY  
AERO**

www.indyaero.com

**Indy Aero, LLC  
3867 Aviation Way  
Greenfield, IN 46140**



**Tail No.: N456Y**

**Date: 2/12/2007**

**Tach: 434.14**

Removed all wheel pants from aircraft. Updated weight and balance. Removed and replaced nose wheel axle tube, spacers, and caps with new.

*Joseph M. Wood*

**Joseph M. Wood**

**AP2769858**

Total T  
Carry F

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

\*\*\*\*\***MUNCIE AVIATION CO. CRS#AJVR135C**\*\*\*\*\*

Certificate No. \_\_\_\_\_

DATE      TSN      Hobbs  
N456Y      3/13/2007      442.93  
Removed winterization plates, Removed battery  
checked water Level and chg Ok

Make      Piper      Ser.No.      2943353  
Model      PA28-181      Reg.Marl      N456Y  
The aircraft/component identified above was repaired  
inspected in accordance with current Regulations of the  
Federal Aviation Administration and found airworthy, and  
is approved for return to service for work performed  
Pertinent details of the repair are on file at the agency  
Work Order Number      T8626      Date      3/13/2007  
Signed *[Signature]* Inspector for  
MUNCIE AVIATION CO. CRS#AJVR135C  
MUNCIE, IN 47308 765-289-7141



**Indy Aero, LLC**  
**3867 Aviation Way**  
**Greenfield, IN 46140**



**Tail No.: N456Y      Date: 4-17-2008      Hobbs: 569.4**  
Replaced nose gear steering horn with new. Ops check good.

*[Signature]*  
**Richard J. McKenney**      **AP2848987IA**

# AIRCRAFT LOG

\*\*\*\*\*MUNCIE AVIATION CO.CRS#AJVR135C\*\*\*\*\*

	<u>DATE</u>	<u>A/C Hobbs</u>	<u>A/C TT</u>
N456Y	5/16/2007	474.9	474.9



Annual Inspection Completed this date ref. Piper Inspection Report#767-008  
C/W FAR91.207d (a) 1,2,3 & 4 ELT "G"switch check,Installed new ELT Battery P#452-0180  
Replaced Air conditioner Idler Pulley P#99046-0 S#5814 and saftied,Replaced Central Air'  
Filter with new AAD9-18-1 due again 974.9 Hrs,Replaced Left & Right Brake Linings  
P#752-342 & Rivets 752-826,Repositioned gascolator drain to hit center of hole,  
Replaced High pressure air conditioner Line P#566-277,Evacuated and serviced with 2.25 lbs  
of R-134A coolant,

**Installed new Bracket Air filter BA-3**

See AD Listing for Details  
IFR Certification Due 4-2008  
ELT Battery Due 8-2009

I certify that this Airframe has been inspected in  
accordance with a Annual Inspection and was  
determined to be in airworthy condition.

Make Piper Archer Ser.No 2843353

Model PA28-181 Reg.Number N456Y

The aircraft/component identified above was repaired  
and inspected in accordance with current Regulations of  
Federal Aviation Agency,approved for return to service  
Pertinent details of the repair are on file at the Agency

Work Order No. T8706 Date 5/16/2007

Signed *David L. Thomas*

IA Number APP 308 52 2293 102

MUNCIE,IN 47308 765-289-7141



Tot  
Carry Forward



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

Certificate No.

\*\*\*\*\* **MUNCIE AVIATION COMPANY C.R.S. # AJVR135C** \*\*\*\*\*

Removed GNS430 and GA56 GPS Ant.  
for Upgrade to GNS430W GPS/WAAS.

Installed GNS430W s/n 96307992 and  
GA35 GPS/WAAS Ant. s/n 18893 IAW  
STC # SA01933LA and STC #

SA01695SE. Removed GNS-530 and  
GA-56 GPS antenna for upgrade to

GNS530W GPS/WAAS. Installed

GNS530W s/n 78404384 & GA35

GPS/WAAS antenna s/n 18667 IAW

STC#SA01933LA and STC # SA01695SE.

FAA approved FMS and ICA have been added to the POH and in the aircraft maintenance records.

GPS configuration checkout log in aircraft maintenance records. System ground checked good.

<sup>HOBBS</sup>  
Aircraft Tach: 480.1

PLEASE PLACE IN AIRCRAFT LOGBOOK

Make: Piper Ser. No.: 2843353

Model: PA-28-181 Reg. Mark: N456Y

The aircraft / component identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and found airworthy, and is approved for return to service for work performed.

Pertinent details of the repair are on file at the Agency.

Work Order No.: F 2207 Date: 10-11-07

Signed: [Signature] Inspector for  
MUNCIE AVIATION COMPANY C.R.S.#AJVR135C

MUNCIE, IN 47003-9778 (765) 289-7141



High pressure AC  
LINE

GPS/WAAS  
installed

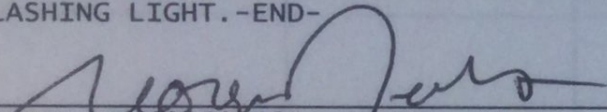
# AIRCRAFT LOG

AIRWAYS, INC. 530 AIRPORT RD LITITZ, PENNSYLVANIA 17543  
 LOG ID# 2386 19-June-2007 WO# 5779 REF# 5779 HOBBS 491.3  
 N456Y S/N 2843353 PIPER PA28-181

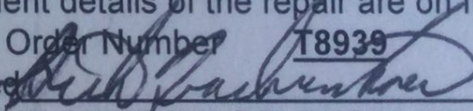
Pg 1 / 1

**-AIRFRAME LOG ENTRY-**

PILOT REPORTED FLASHING RED INDICATION FOR L/H MAGNETO ON P-1000 IGNITION MONITOR. REMOVED COWLING, INSPECTED BOTH MAGNETOS AND P-LEADS- NO DISCREPANCIES FOUND. REINSTALLED UPPER COWLING. PERFORMED RUN UP AND FUNCTIONAL CHECK OF ENGINE, MAG SWITCHES AND P-1000. NO DISCREPANCIES NOTED. PER P-1000 INSTRUCTION MANUAL- FLASHING RED LAMP IN INDICATION OF THAT MAGNETO'S TACHOMETER BEING TURNED OFF. PUSHING THE PUTTON AGAIN WILL RETURN THE TACHOMETER TO NORMAL FUNCTION AND ESTINGUISH THE RED FLASHING LIGHT. -END-

  
 SIGNED IA192603131 GEORGE NEIKENS 6/19/07  
 Date

\*\*\*\*\* **MUNCIE AVIATION CO. CRS#AJVR135C** \*\*\*\*\*

	<u>DATE</u>	<u>TSN</u>	<u>Hobbs</u>	Make <u>Lycoming</u>	Ser.No. <u>L-37460-36A</u>
<b>N456Y</b>	8/31/2007		515.1	Model <u>O-360-A4M</u>	Reg. Marl <u>N456Y</u>
Changed Oil and filter Serviced with Aeroshell 15W50 Sample taken Replaced Both magnetos with new <u>Left 4371 S#061104030</u> <u>Right 4370 S#061112220</u> Replaced Airconditioner compressor with new <u>P#101173-007</u> and installed new drive belt reinstalled prop, Torqued and saftied Serviced with 2.25 lbs of 134A coolant				The aircraft/component identified above was repaired inspected in accordance with current Regulations of the Federal Aviation Administration and found airworthy, and is approved for return to service for work performed Pertinent details of the repair are on file at the agency Work Order Number <u>18939</u> Date <u>8/31/2007</u> Signed  Inspector for MUNCIE AVIATION CO. CRS#AJVR135C MUNCIE, IN 47308 765-289-7141	



Total To  
 Carry Forward



**INDY  
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Greenfield, IN 46140



Certificate No.

Tail No.: N456Y

Date: 10/26/2007

Tach: 519.7

Replaced seals and o-rings in nose strut with new. Serviced strut with hydraulic fluid and nitrogen, no leaks detected.

Eric M. Wilson

AP3063927

\*\*\*\*\*MUNCIE AVIATION COMPANY C.R.S. # AJVR135C\*\*\*\*\*

Complied with Garmin International  
Service Bulletin SB-0740, dated 11-29-07.  
Installed Main Software ver. 3.00  
and GPS Software ver. 3.00. Removed  
(1) FMS p/n 190-00357-63, and inserted  
(1) revised FMS p/n 190-00357-03.  
Removed (1) FMS p/n 190-00356-63, and  
inserted (1) FMS p/n 190-00356-03.  
Inserted an amended STC Certificate in  
the POH. System operational check good.  
Aircraft Time: 522.4

PLEASE PLACE IN AIRCRAFT LOGBOOK

Make: Piper Ser. No.: 2843353

Model: PA-28-181 Reg. Mark: N456Y

The aircraft / component identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and found airworthy, and is approved for return to service for work performed.

Pertinent details of the repair are on file at the Agency.

Work Order No. F 3456 Date: 1-10-2008

Signed: Inspector for

MUNCIE AVIATION COMPANY C.R.S.#AJVR135C

MUNCIE, IN 47303-9778 (765) 289-7141

NEW MAGS

MAC

New AC Compressor

# AIRCRAFT LOG

\*\*\*\*\*MUNCIE AVIATION CO.CRS#AJVR135C\*\*\*\*\*

	<u>DATE</u>	<u>A/C Hobbs</u>	<u>A/C TT</u>
N456Y	5/1/2008	570.2	570.2



Annual Inspection Completed this date ref. Piper Inspection Report#767-008  
C/W FAR91.207d (a) 1,2,3 & 4 ELT "G"switch check,C/W AD95-26-13 oil cooler hose replacement  
installed new (2) ea. P/N 566-307, Replaced Rt aft Nav. Light Bulb P/N761-208  
Installed Overhauled Vacuum Pump RAPCO 211CC S# 131510  
Replaced Lt Frame Front Cover Assembly P#65674-015, Serviced Air conditioner with 2.25 lbs  
of 134A Coolant, Installed butt splice in Tanis Heater Ground wire

Installed new Bracket Air filter BA-3  
See AD Listing for Details *Dated 5/1/2008*  
IFR Certification Due 4-2010  
ELT Battery Due 8-2009  
AD2008-08-14 per SB PRS-107 Rev #2 N/A per M/N  
AD2008-06-28 Avidyne Corp. N/A not installed

I certify that this Airframe has been inspected in accordance with a Annual inspection and was determined to be in airworthy condition.

Make Piper Archer Ser.No 2843353  
Model PA28-181 Reg.Number N456Y

The aircraft/component identified above was repaired and inspected in accordance with current Regulations of Federal Aviation Agency, approved for return to service  
Pertinent details of the repair are on file at the Agency

Work Order No. T9377 Date 5/1/2008

Signed *[Signature]*

IA Number 2742672

MUNCIE, IN 47308 765-289-7141



## TEMPEST

### Air Filter Change Reminder

Installed at:      Change at:

570.2 Hrs.      1070.2 Hrs.

4-24-8 Date

Aero Accessories, Inc.

forward

I certify that the altimeter / s

91.217, 91.411, and 91.413. Units were found to comply with the limits set in FAR 43, Appendices E & F and AC 43.6B to 20k ft. Aircraft Hobbs: 571.8

Altimeter #1: Mfg United P/N 5934PD-3 S/N 411040

Altimeter #2: Mfg N/A P/N N/A S/N N/A

Encoder #1: Mfg Narco Model AR850 S/N 15894

Encoder #2: Mfg N/A Model N/A S/N N/A

Trans #1: Mfg Garmin Model GTX327-00 S/N 83708732

Trans #2: Mfg N/A Model N/A S/N N/A

Details of the inspection are on file at this C.R.S. under W.O. No.: F3901

Date: 05-05-08 Signature: Michael R. Brown



Certificate No.

CERTIFIED REPAIR STATION # AJVR135C

MUNCIE AVIATION COMPANY

MUNCIE, INDIANA

47303-9778

\*\*\*\*\* **MUNCIE AVIATION COMPANY C.R.S. # AJVR135C** \*\*\*\*\*

Ramp checked WX500 Stormscope.  
Repaired Pitot and static leaks in left wing. Leak and ramp checked good.

Make: Piper Ser. No.: 2843353

Model: PA28-181 Reg. Mark: 456Y

The aircraft / component identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and found airworthy, and is approved for return to service for work performed.

Pertinent details of the repair are on file at the Agency.

Work Order No.: F3901 Date: 05-05-08

Signed: Michael R. Brown Inspector for

MUNCIE AVIATION COMPANY C.R.S.#AJVR135C

MUNCIE, IN 47303-9778 (765) 289-7141



Aircraft Hobbs: 571.8



# ALTIMETER SCALE ERROR

CUSTOMER: MOLLY REDDING

N# 4564

DATE: 5-2-08

ALTIMETER TYPE: UNITED 5934PD-3 SN 411040

Test Point (FT)	Indicated (FT)	Test Point (FT)	Indicated (FT)	Test Point (FT)	Indicated (FT)
-1000	-1010	6000	5970	22000	
0	0	8000	7980	25000	
500	495	10000	9975	30000	
1000	980	12000	11980	35000	
1500	1490	14000	13985	40000	
2000	1990	16000	15990	45000	
3000	2985	18000	18000	50000	
4000	3980	20000	20020		

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		

**INDY  
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**Indy Aero, LLC  
3867 Aviation Way  
Greenfield, IN 46140**



**Tail No.: N456Y**

**Date: 07/16/2008**

**Tach: 586.4**

Removed and replaced clock in line fuse with new.

**Eric M. Wilson**

**AP3063927**

**INDY  
AERO**

www.indyaero.com

**Indy Aero, LLC  
3867 Aviation Way  
Greenfield, IN 46140**



**Tail No.: N456Y**

**Date: 10/22/2008**

**Tach: 616.28**

Repaired broken clock wires. Ops check good.

**Eric M. Wilson**

**AP3063927**

Total To  
Carry Forward



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

ate No. \_\_\_\_\_

and Remarks

\*\*\*\*\* **MUNCIE AVIATION COMPANY C.R.S. # AJVR135C** \*\*\*\*\*

Tightened pin connections at WX500 Stormscope processor and deoxidized tray. Removed ELT 110-4 transmitter system and installed ME406 ELT transmitter system s/n 188-11535 per Installation Manual p/n 570-1600 Rev G dated 5/18/08. Upgraded GNS-530W and GNS-430W s/n 78404384 and 96307992 software to version 3.20 Main and 3.2 GPS per Garmin Service Bulletin #0848. Upgraded GTX-327s/n 83708732 software to version 2.09. System ops checked good.

Make: Piper Ser. No.: 2843353  
Model: PA28-181 Reg. Mark: N456Y

The aircraft / component identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and found airworthy, and is approved for return to service for work performed.

Pertinent details of the repair are on file at the Agency.

Work Order No: F5569 Date: 5-12-09

Signed: [Signature] Inspector for  
MUNCIE AVIATION COMPANY C.R.S.#AJVR135C  
MUNCIE, IN 47303-9778 (765) 289-7141

NEW  
ELT 406



**NOTE: ELT battery due July 2015.**

Aircraft Hobbs: 652.7

PLEASE PLACE IN AIRCRAFT LOGBOOK



ARTEX AIRCRAFT SUPPLIES, INC.  
14405 Keil Rd. NE Aurora, OR 97002  
(503) 678-7929 800-547-8901

LOG BOOK ENTRY

5-12-09

E.L.T. BATTERY  
REPLACEMENT DATE

July 2015

# AIRCRAFT LOG

\*\*\*\*\* **MUNCIE AVIATION CO. CRS#AJVR135C** \*\*\*\*\*

	DATE	A/C Hobbs	A/C TT
<b>N456Y</b>	<b>5/13/2009</b>	<b>639.99</b>	<b>639.99</b>



Annual Inspection Completed this date ref. Piper Inspection Report#767-008  
 C/W FAR91.207d (a) 1,2,3 & 4 ELT "G"switch check after New battery installation with **P/N452-0130**,  
 C/W **PSB1197** Inspected per instructions determined both installed correctly  
 Replaced Both Main Tires with new **Michelin Aviator 6.00X6 4 ply Lt S/N 7004W00073 Rt S/N 8076W00269**  
 Installed main wheels Torqued Axle nuts,saftied and cotter pinned used new wheel bolt nuts P/N404-531  
 Replaced Brake disc's **P/N 164-02000** and Linings **P/N752-342** using Rivets **P/N 752-826**  
 Replaced right fuel tank Quick drain valve **492-312**,**Serviced A/C with 2.25 lbs of 134A**

**Installed new Bracket Air filter BA-3**

See AD Listing for Details dated 5/13/2009  
 IFR Certification Due **4-2010**  
 ELT Battery Due **7-2015**

I certify that this     **Airframe**     has been inspected in accordance with a     **Annual**     Inspection and was determined to be in airworthy condition.

Make     **Piper Archer**     Ser.No     **2843353**      
 Model     **PA28-181**     Reg.Number     **N456Y**    

The aircraft/component identified above was repaired and inspected in accordance with current Regulations of Federal Aviation Agency, approved for return to service  
 Pertinent details of the repair are on file at the Agency

Work Order No.     **T0062**     Date     **5/13/2009**    

Signed     *[Signature]*    

IA Number     **AP 308 52 2293 IA**    

MUNCIE, IN 47308 765-289-7141



ance

Total To Carry Forward					

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

**INDY  
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3867 Aviation Way  
Greenfield, IN 46140



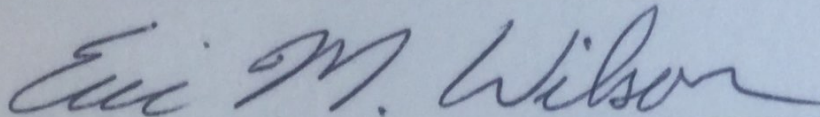
Certificate No.

Tail No.: N456Y

Date: 07/22/2009

Tach: 672.5

Removed and replaced right main tire with new Michelin Aviator P/N: 071-314-0.



Eric M. Wilson

AP3063927

**INDY  
AERO**

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Indy Aero, LLC  
3867 Aviation Way  
Greenfield, IN 46140

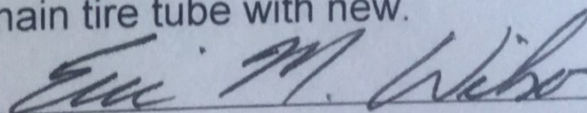


Tail No.: N456Y

Date: 01/07/2010

Tach: 720.3

Removed and replaced right main tire tube with new.



Eric M. Wilson

AP3063927

# AIRCRAFT LOG

Date	Aircraft Time	Recorder	
------	---------------	----------	--

\*\*\*\*\* **MUNCIE AVIATION CO. CRS#AJVR135C** \*\*\*\*\*

**N456Y**      DATE      TSN      Hobbs  
 4/20/2010      762.74

Serviced Air Conditioner with 2.25 lbs of 134A coolant  
 Leak tested ok

Make      Piper      Ser.No.      2843353  
 Model      PA28-181      Reg.Marl N456Y

The aircraft/component identified above was repaired  
 inspected in accordance with current Regulations of the  
 Federal Aviation Administration and found airworthy, and  
 is approved for return to service for work performed  
 Pertinent details of the repair are on file at the agency

Work Order Number      70717      Date      4/20/2010

Signed [Signature] Inspector for

MUNCIE AVIATION CO. CRS#AJVR135C

MUNCIE, IN 47308-7652 289-7141



\*\*\*\*\* **MUNCIE AVIATION COMPANY C.R.S. # AJVR135C** \*\*\*\*\*

Updated GNS430W and GNS530W  
 obstacle databases. Removed

GNS430W s/n 96307992 and GNS530W  
 s/n 78404384; upgraded software to  
 version 3.30 per SB 0918, rev. A; and  
 reinstalled units. Replaced AFMS in  
 POH as required. Removed GTX327  
 s/n 83708732; upgraded software to  
 version 2.10 per SB 0809, rev. A; and  
 reinstalled unit. Ramp checked good.

Make: Piper      Ser. No.: 2843353

Model: PA28-181      Reg. Mark: N456Y

The aircraft / component identified above was repaired and  
 inspected in accordance with current Regulations of the  
 Federal Aviation Administration and found airworthy, and  
 is approved for return to service for work performed.

Pertinent details of the repair are on file at the Agency.

Work Order No.: F7072      Date: 4-20-10

Signed: [Signature] Inspector for

MUNCIE AVIATION COMPANY C.R.S.#AJVR135C

MUNCIE, IN 47303-9778 (765) 289-7141



Aircraft Time: 762.74

PLEASE PLACE IN AIRCRAFT LOGBOOK

\*\*\*\*\***MUNCIE AVIATION COMPANY C.R.S. # AJVR135C**\*\*\*\*\*

I certify that the altimeter / static system, transponder, and encoder have been tested as required by FAR 91.217, 91.411, and 91.413. Units were found to comply with the limits set in FAR 43, Appendices E & F and AC 43.6B to 16K ft. Aircraft Time: 762.74

Altimeter #1: Mfg United P/N 5934PD-3 S/N 411040

Altimeter #2: Mfg N/A P/N N/A S/N N/A

Encoder #1: Mfg Narco Model AR850 S/N 15894

Encoder #2: Mfg N/A Model N/A S/N N/A

Trans #1: Mfg Garmin Model GTX 327 S/N 83708732

Trans #2: Mfg N/A Model N/A S/N N/A

Details of the inspection are on file at this C.R.S. under W.O. No.: F7072

Date: 4-20-10 Signature: *Cherry*

CERTIFIED REPAIR STATION # AJVR135C

MUNCIE AVIATION COMPANY

MUNCIE, INDIANA

47303-9778

PLEASE PLACE IN AIRFRAME LOGBOOK.



# ALTIMETER SCALE ERROR

CUSTOMER: *Molly Redding*

N# *A14564*

DATE: *April 20, 2010*

ALTIMETER TYPE: *United 5934 PD-3*

Test Point (FT)	Indicated (FT)	Test Point (FT)	Indicated (FT)	Test Point (FT)	Indicated (FT)
-1000	<i>-1000</i>	6000	<i>5980</i>	22000	
0	<i>0</i>	8000	<i>7975</i>	25000	
500	<i>500</i>	10000	<i>9978</i>	30000	
1000	<i>1000</i>	12000	<i>11980</i>	35000	
1500	<i>1500</i>	14000	<i>13990</i>	40000	
2000	<i>2000</i>	16000	<i>15995</i>	45000	
3000	<i>2995</i>	18000		50000	
4000	<i>3988</i>	20000			



# AIRCRAFT LOG

\*\*\*\*\***MUNCIE AVIATION CO.CRS#AJVR135C**\*\*\*\*\*

	<u>DATE</u>	<u>A/C Hobbs</u>	<u>A/C TT</u>
<b>N456Y</b>	<b>6/10/2010</b>	<b>774.23</b>	<b>774.23</b>



Annual Inspection Completed this date ref. Piper Inspection Report#767-008  
 C/W FAR91.207d (a) 1,2,3 & 4 ELT "G"switch check,  
 Replaced Plastic floor cover P/N 65674-015 Forward of copilot seat  
 Replaced Nose gear Bumper support P/N 79072-000  
 Removed and resealed Right main strut with new seals and "O"rings Serviced with 5606 & Nitrogen  
 Replaced Lt fuel cap gasket P/N 462-056

**Installed new Bracket Air filter BA-3**

See AD Listing for Details dated 6/7/2010  
 IFR Certification Due **4-2012**  
 ELT Battery Due **7-2015**

I certify that this Airframe has been inspected in accordance with a Annual Inspection and was determined to be in airworthy condition.

Make Piper Archer Ser.No 2843353  
 Model PA28-181 Reg.Number N456Y

The aircraft/component identified above was repaired and inspected in accordance with current Regulations of Federal Aviation Agency, approved for return to service  
 Pertinent details of the repair are on file at the Agency

Work Order No. T0784 Date 6/10/2010

Signed *[Signature]*

IA Number 2742672 AJ

MUNCIE, IN 47308 765-289-7141



Total To Carry Forward				
------------------------	--	--	--	--

Registration No

1.3.11 N456Y 874.32 Tach.

Signature

Certificate No.

Installed New RT. MAIN TIRES

CONDOR PIN 072-314-D, S/N 01308 00302

Serviced with DRY SHOP AIR.

Thomas D. Kell  
APP 2146278.

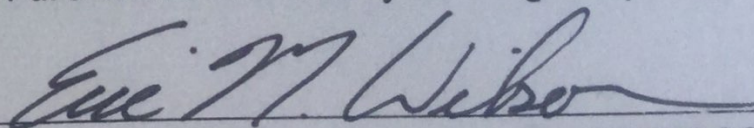
**Indy Jet Maintenance**  
3867 Aviation Way  
Greenfield, IN 46140

**Tail No.: N456Y**

**Date: 02/18/2011**

**Tach: 878.22**

Removed and replaced left main tire with new Goodyear Flight Special II P/  
N: 301-027-420.



**Eric M. Wilson**

**AP3063927**

# AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		

## Indy Jet Services, LLC.

3867 Aviation Way Greenfield, IN 46140

**Aircraft Registration**

N456Y

**Date:**

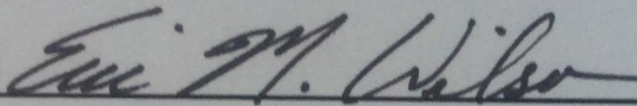
2/24/2011

**Tach:**

878.22

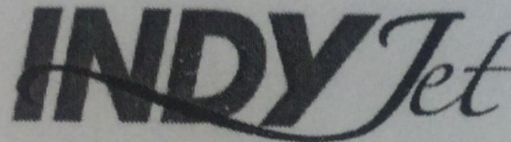
Removed and replaced left #2 and #4 camloc receptacles with new, P/N: 584-019.

Eric M. Wilson



AP3063927

3867 Aviation Way  
Greenfield, IN 46140



Phone: 317-335-3371

Fax: 317-335-2073

**Aircraft Registration**

456Y

**Date:**

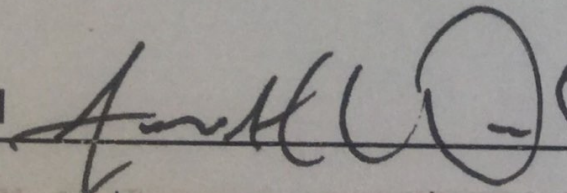
3/23/2011

**Tach:**

895.80

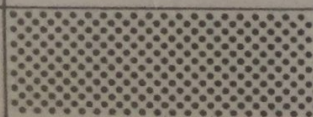
Complied with AD2010-15-10 Control Wheel Shaft Inspection by inspection in accordance with SB1197D; no defects noted. Removed winterization plate from the oil cooler.

Joseph M. Wood



AP2769858IA

Total To  
Carry Forward



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

and Remarks

Signature

Certificate No.

GPS IFR CHIPS UPDATED 4-5-11

*M [Signature]*

3867 Aviation Way  
Greenfield, IN 46140

**INDY**Jet

Phone: 317-335-3371

Fax: 317-335-2073

Aircraft Registration N456Y

Date: 5/6/2011

Tach: 918.71

Removed and replaced nose tire with new Goodyear 6.00-6 6 ply rating FS II tire part no. 301-027-420. Serviced with shop air; no air leaks detected. Removed and replaced right fuel drain valve with new CCA-36150; operational check normal; no fuel leaks detected.

Joseph M. Wood

*[Signature]*

AP2769858IA

# AIRCRAFT LOG

Date

3867 Aviation Way  
Greenfield, IN 46140

# INDY Jet

Phone: 317-335-3371 Fax: 317-335-2073  
Maintenance

**Aircraft Registration**

N456Y

**Date:**

7/1/2011

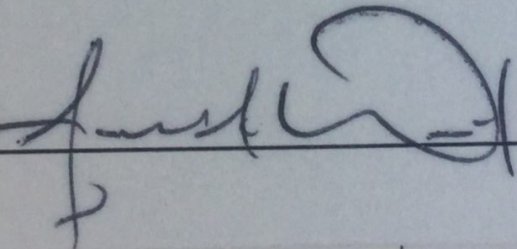
**Tach:**

950.02

Performed annual inspection this airframe. Opened all exterior panels, upholstery , and interior panels. Inspected aircraft and closed aircraft. Complied with FAR 91.207 D 1-4 ELT Inspection; ELT battery due for replacement 7/2015. Disassembled, cleaned, inspected and reassembled fuel strainer; no leaks detected after installation. Serviced tires with shop air. Lubed aircraft in accordance with AMM lubrication chart. Serviced and charged aircraft battery to full. Serviced brake reservoir to full with MIL-5606 hydraulic fluid. Removed and replaced vacuum regulator filter with new RAB3-5-1 filter. Replaced instrument filter with new RA-D9-18-1 filter. Tightened and resafetied lower torque link hardware. Replaced alternator belt with new belt part no.73965-010. Replaced compressor belt with new belt part no.73965-019. Replaced cabin heat duct with new F229949 duct. Completed the 200 hour Flap Inspection; no defects noted. Completed Cockpit Mounted Fire Bottle Inspection/Weight Check; no defects noted. I certify that this airframe has been inspected in accordance with an annual inspection and was found to be in an airworthy condition.

-----END-----

Joseph M. Wood



AP2769858IA

Total To  
Carry Forward





# AIRCRAFT LOG

Date

**INDY** Jet AVIONICS

IJA Form 10 Rev. A

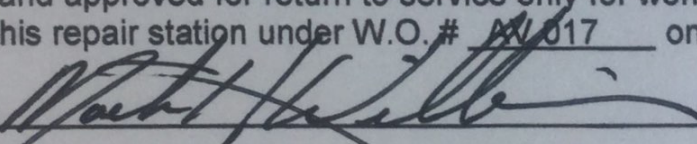
Maintenance

AIRCRAFT MAKE:	Piper	AIRCRAFT REGISTRATION:	N456Y
AIRCRAFT MODEL:	PA28-181	HOURS:	953.7
AIRCRAFT S/N:	28-43353	WORK ORDER:	AV 017

Performed compass swing in accordance with AC 43.13-1B, Chapter 12, paragraph 12-37.  
Completed compass correction card.

The aircraft, or component(s) identified above was repaired/installed and inspected in accordance with current regulations of the Federal Aviation Administration and was determined airworthy and approved for return to service only for work performed. Details of the work are on file at this repair station under W.O. # AV 017 on date July 15, 2011.

Signature



Date: July 15, 2011

INDY JET AVIONICS  
FAA CRS # 1JIR829B

3867 AVIATION WAY

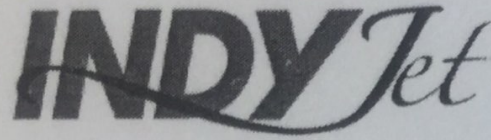
GREENFIELD, IN 46140  
317-335-3404

Total To  
Carry Forward



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

3867 Aviation Way  
Greenfield, IN 46140



Phone: 317-335-3371

Fax: 317-335-2073

Certificate No.

Aircraft Registration

N456Y

Date:

11/10//2011

Tach:

977.17

Installed oil cooler winterization plate. Serviced tires. Removed and replaced left main fuel tank sump drain with new P/N: CCA36150.

Eric M. Wilson

A handwritten signature in black ink that reads "Eric M. Wilson".

AP3063927IA



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

**ALTIMETER/STATIC SYSTEM/TRANSPONDER TESTS and INSPECTIONS**

IJA Form 11 Rev. A

AIRCRAFT MAKE: Piper  
 AIRCRAFT MODEL: PA28-181  
 AIRCRAFT S/N: 2843353

AIRCRAFT REGISTRATION: N456Y  
 HOURS: 1010.45  
 WORK ORDER: AV 172

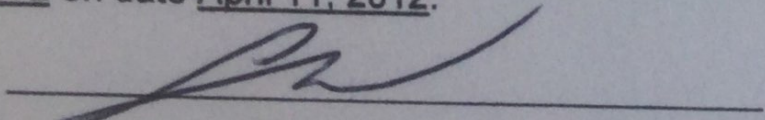
I certify that the Altimeter and Static System tests and inspections, as required by FAR 91.411, and in accordance with FAR 43, Appendix E, have been performed.

PILOT P/N: <u>5934PD-3</u>	S/N: <u>411040</u>	TESTED TO: <u>20,000Ft.</u>
COPILOT P/N: <u>N/A</u>	S/N: <u>N/A</u>	TESTED TO: <u>N/A</u>
ENCODER # 1: <u>AR 850</u>	S/N: <u>15894</u>	TESTED TO: <u>20,000Ft.</u>
ENCODER # 2: <u>N/A</u>	S/N: <u>N/A</u>	TESTED TO: <u>N/A</u>

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

TRANSPONDER # 1: GTX 327 S/N: 83708732  
 TRANSPONDER # 2: N/A S/N: N/A

The aircraft, or component(s) identified above was repaired/installed and inspected in accordance with current regulations of the Federal Aviation Administration and was determined airworthy and approved for return to service only for work performed. Details of the work are on file at this repair station under W.O. # AV 172 on date April 11, 2012.

Signature: 

Date: April 11, 2012

**INDY** AVIONICS  
 FAA CRS # 1JIR829B

3867 AVIATION WAY

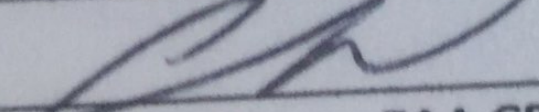
GREENFIELD, IN 46140  
 317-335-3404

IJA Form 13 Rev. A  
 ALTIMETER CORRECTION CARD

ALTITUDE	ERROR	ALTITUDE	ERROR
-1,000	+15	14,000	-10
0	+5	16,000	-10
500	+10	18,000	-5
1,000	+10	20,000	+10
1,500	+15	22,000	/
2,000	+10	25,000	
3,000	+5	30,000	
4,000	+5	35,000	
6,000	+0	40,000	
8,000	-5	45,000	
10,000	-15	50,000	
12,000	-15	-----	

ALTIMETER P/N 5934PD-3

S/N 411040

SIGNATURE 

DATE Apr/11, 2012

INDY JET AVIONICS

FAA CRS # 1JIR829B

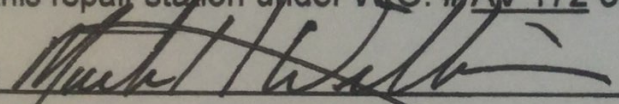
W.O. #: AV172



AIRCRAFT MAKE:	Piper	AIRCRAFT REGISTRATION:	N456Y
AIRCRAFT MODEL:	PA28-181	HOURS:	1010.45
AIRCRAFT S/N:	2843353	WORK ORDER:	AV 172

Troubleshoot copilot mic and phone jacks for reported inoperative condition. Found copilot intercom squelch at max level preventing intercom mic audio operation. Reset squelch. Inspected wire side of mic and phone jacks for faults with none found. Performed intercom and transmit system checks. All operations normal.

The aircraft, or component(s) identified above was repaired/installed and inspected in accordance with current regulations of the Federal Aviation Administration and was determined airworthy and approved for return to service only for work performed. Details of the work are on file at this repair station under W.O. # AV 172 on date April 11, 2012.

Signature  Date: April 11, 2012

INDY JET AVIONICS  
FAA CRS # 1JIR829B

3867 AVIATION WAY

GREENFIELD, IN 46140  
317-335-3404

# AIRCRAFT LOG

\*\*\*\*\*MUNCIE AVIATION CO. CRS#AJVR135C\*\*\*\*\*

DATE      TSN  
N456Y      5/3/2012      1045.9

Installed new Landing light bulb P/NGE4594  
Checked airconditioner service, leak tested ok Serviced  
with 2.25 lbs of 134A Freon

Make      Piper      Ser.No.      2843353  
Model      PA28-181      Reg.Marl N456Y

The aircraft/component identified above was repaired  
inspected in accordance with current Regulations of the  
Federal Aviation Administration and found airworthy, and  
is approved for return to service for work performed  
Pertinent details of the repair are on file at the agency

Work Order Number      T2057      Date      5/3/2012

Signed [Signature] Inspector for

MUNCIE AVIATION CO. CRS#AJVR135C

MUNCIE, IN 47308 765-289-7141



EVERY  
Printing Tips, visit [avery.com/printing](http://avery.com/printing)  
for settings for "Paper Type" to "Labels" to optimize print quality.  
Check the alignment of your printed layout by first printing on a plain sheet of paper.  
Then print onto the Avery product.

## Airborne *B3-5-1*

### Air Filter Change Reminder

Changed at:      Next Change:  
1054.07 Hrs.      \_\_\_\_\_ Hrs.

8/1/2012 Date



SI300-21 July 2002

\*\*\*\*\*MUNCIE AVIATION CO. CRS#AJVR135C\*\*\*\*\*

DATE            TSN  
N456Y            5/8/2012        1045.9

Make            Piper            Ser.No.        2843353  
Model           PA28-181        Reg.Marl N456Y

disassembled alternator bracket assembly to gain access  
to Allen screw,torqued to 120 in lbs and saftied  
Removed & top charged battery and reinstalled

The aircraft/component identified above was repaired  
inspected in accordance with current Regulations of the  
Federal Aviation Administration and found airworthy, and  
is approved for return to service for work performed  
Pertinent details of the repair are on file at the agency

Work Order Number        T2057            Date        5/8/2012

Signed [Signature]            Inspector for

MUNCIE AVIATION CO. CRS#AJVR135C  
MUNCIE,IN 47308 765-289-7141



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

\*\*\*\*\* MUNCIE AVIATION CO. CRS#AJVR135C \*\*\*\*\*

	<u>DATE</u>	<u>A/C Hobbs</u>	<u>A/C TT</u>
N456Y	8/1/2012	1054.07	1054.07



Annual Inspection Completed this date ref. Piper Inspection Report#767-008  
C/W FAR91.207d (a) 1,2,3 & 4 ELT "G"switch check,  
Replaced Brake pads installed using new rivets


See AD Listing for Details dated 7/30/2012  
IFR Certification Due 4-2014  
ELT Battery Due 7-2015

I certify that this Airframe has been inspected in accordance with a Annual Inspection and was determined to be in airworthy condition.

Make Piper Archer Ser.No 2843353  
Model PA28-181 Reg.Number N456Y

The aircraft/component identified above was repaired and inspected in accordance with current Regulations of Federal Aviation Agency, approved for return to service  
Pertinent details of the repair are on file at the Agency

Work Order No. T2193 Date 8/1/2012

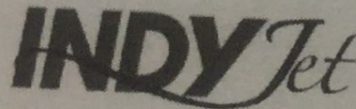
Signed 

IA Number 2742672

MUNCIE, IN 47308 765-289-7141



3867 Aviation Way  
Greenfield, IN 46140



Phone: 317-335-3371

Fax: 317-335-2073

Aircraft Registration

Date:

Hobbs:

Tach:

TT:

N456Y

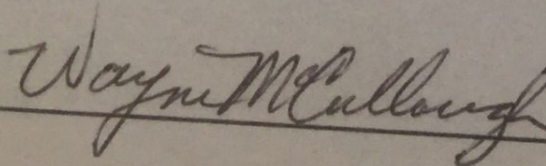
11/13/12

1100.70

1075.26

Installed weatherization plate on oil cooler this date. Checked tanis heaters for operation, all good.

Wayne McCullough



AP2615631

# AIRCRAFT LOG

**Performance Aircraft**  
of Mount Comfort

3867 Aviation Way  
Greenfield, IN 46140

Phone: 317-335-3371  
Fax: 317-335-2073

Maintenance

		Date:	Tach:	Hobbs:	AFTT:
Aircraft Registration:	N456Y	41318.00		1112.00	

Removed aircraft battery, condition tested, failed. Serviced and installed new aircraft battery, p/n G243. Bled brakes and serviced with 5606H fluid. Replaced 3 camloc snap rings to retain camloc cowl fasteners. Aircraft returned to service this date.

Wayne McCullough *Wayne McCullough* AP2615631

\*\*\*\*\***MUNCIE AVIATION CO. CRS#AJVR135C**\*\*\*\*\*

**N456Y**      DATE      TSN  
5/14/2014      1097.79  
Checked airconditioner service, leak tested ok Serviced  
with 2.25 lbs of 134A Freon

Make      Piper      Ser.No.      2843353  
Model      PA28-181      Reg.Mar      N456Y  
The aircraft/component identified above was repaired  
inspected in accordance with current Regulations of the  
Federal Aviation Administration and found airworthy, and  
is approved for return to service for work performed  
Pertinent details of the repair are on file at the agency  
Work Order Number      S000196      Date      5/14/2014  
Signed *Rob [Signature]*      Inspector for  
MUNCIE AVIATION CO. CRS#AJVR135C  
MUNCIE, IN 47308 765-289-7141



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

\*\*\*\*\*MUNCIE AVIATION CO.CRS#AJVR135C\*\*\*\*\*

	<u>DATE</u>	<u>A/C Hobbs</u>	<u>A/C TT</u>
N456Y	9/3/2013	1121.51	1121.51



Annual Inspection Completed this date ref. Piper Inspection Report#767-008

CW FAR91.207d (a) 1,2,3 & 4 ELT "G"switch check,

Installed new Nose steering limit placards, Installed new carb heat air door grommet P/N 424-166

Serviced Rt main strut with fluid & nitrogen

See AD Listing dated 8/23/2013 for details

IFR Certification Due 4-2014

ELT Battery Due 7-2015

I certify that this Airframe has been inspected in accordance with a Annual Inspection and was determined to be in airworthy condition.

Make Piper Archer Ser.No 2843353

Model PA28-181 Reg.Number N456Y

The aircraft/component identified above was repaired and inspected in accordance with current Regulations of Federal Aviation Agency, approved for return to service

Pertinent details of the repair are on file at the Agency

Work Order No S000379 Date 9/3/2013

Signed [Signature]  
MUNCIE, IN 47308 765-289-7141



ALT / STATIC SVCS





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

and Remarks	Signature	Certificate No



April 24, 2014

Tach 1185.3

N456Y

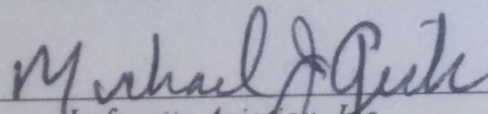
PA28R-181

S/N 2843353

Installed customer supplied 600X6 4ply Goodyear tire on left main.

*The aircraft and/or component identified above was repaired and inspected in accordance with the current FAR's and was found to be airworthy with respect to work performed and was returned to service*

Date 004-24-20104 Work Order 14-5335

  
\_\_\_\_\_  
Lafayette Aviation, Inc.  
1630 Aviation Dr.

West Lafayette, IN. 47906  
Repair Station # AHRR100C



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

and Remarks

N456Y

Tach: 1210.92

AFTT: 1210.92

Date: 8-7-15

Groh Aviation, LLC

799 East Co. Line Rd

Greenwood, IN 46143

317-727-9881

Certificate No.

-Completed an annual inspection on this airframe in accordance with Piper PA28-181 100hr/Annual inspection guide line and current FARs.

-Serviced and charged the aircraft battery.

-Lubed the airframe in accordance with the service manual.

-Removed the vacuum regulator filter and replaced with a new filter P/N B3-5-1.

-Serviced the brake reservoir with MIL5606 hydraulic oil.

-Complied with FAR 91.207 D 1-4 ELT inspection, no defects noted.

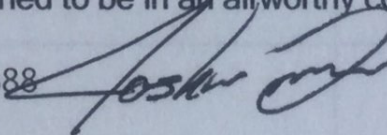
Removed and replaced ELT battery.

-Removed the right tire and replaced with a new tire.

-Complied with AD2013-02-13 Inspection of the Elevator control cable and turnbuckle, no defects noted.

-I certify this airframe was inspected in accordance with an annual inspection and was determined to be in an airworthy condition.

Joshua Groh A&P IA 3308388



# AIRCRAFT LOG

Date

GENERAL LOG ENTRY GA Form 8(b) Rev. Original

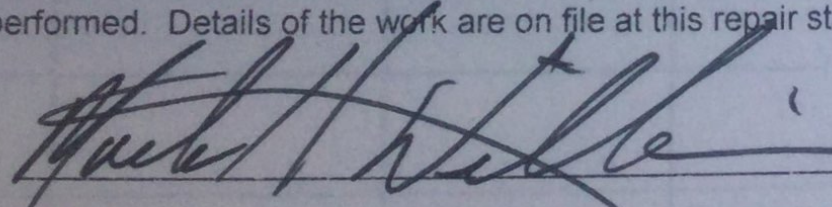
Balance

AIRCRAFT MAKE: Piper      AIRCRAFT REGISTRATION: N456Y  
AIRCRAFT MODEL: PA28-181      HOURS: 1264.21  
AIRCRAFT S/N: 2843353      WORK ORDER: AV 308

Removed existing compass. Installed Precision Aviation PAI-700 Vertical Card Compass, S/N 88222. Performed compass swing in accordance with AD43.13-1B, Chapter 12, paragraph 12-37. No weight change.

-----END-----

The aircraft identified above was repaired/inspected in accordance with current regulations of the Federal Aviation Administration, and was determined airworthy and approved for return to service with respect to the work performed. Details of the work are on file at this repair station under W.O. # AV308.

Signature: 

Date: August 3, 2016

GROH AVIATION, LLC  
FAA CRS # 2GHR069C

799 EAST COUNTY LINE ROAD

GREENWOOD, IN 46143  
317-727-9881

Total To Carry Forward

011

# PRECISION AVIATION, INC.

8124 Lockheed, Houston, Texas 77061 - (713) 644-7383

## TEST & INSPECTION

## FUNCTIONAL TEST

TI-1

<b>PAI-700</b>	SERIAL NO. <b>88222</b>
	DATE <b>MAY 31 2016</b>

### OPERATING LIMITS

- LEVEL FLIGHT
- 20° BANK L & R
- 20° DIVE
- 20° CLIMB

OK <input type="checkbox"/>	REJECT <input type="checkbox"/>
OK <input type="checkbox"/>	REJECT <input type="checkbox"/>
OK <input type="checkbox"/>	REJECT <input type="checkbox"/>
OK <input type="checkbox"/>	REJECT <input type="checkbox"/>

### COMPENSATION

- EAST - WEST
- NORTH - SOUTH

R <u>29</u>	L <u>31</u>
R <u>30</u>	L <u>35</u>

### SCALE ERROR

OK <input type="checkbox"/>	REJECT <input type="checkbox"/>
-----------------------------	---------------------------------

### FRICTION

OK <input type="checkbox"/>	REJECT <input type="checkbox"/>
-----------------------------	---------------------------------

### DAMPING

OK <input type="checkbox"/>	REJECT <input type="checkbox"/>
-----------------------------	---------------------------------

### HEELING ERROR

R <u>-1</u>	L <u>+2</u>
-------------	-------------

### COMMENTS \_\_\_\_\_

<b>PAI</b> <b>7</b> <b>INSP.</b> MECHANIC <u>PZ</u>	INT. MECH. INSP. FINAL OPER. INSP. <b>PAI</b> <u>130</u> INSPECTOR <b>INSP</b>
-----------------------------------------------------------------	-----------------------------------------------------------------------------------------------

STOCK: \_\_\_\_\_

BY \_\_\_\_\_ DATE \_\_\_\_\_

SHIPMENT:

BY \_\_\_\_\_ DATE \_\_\_\_\_

CUSTOMER: \_\_\_\_\_

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

and Remarks

Signature

Certificate No.

GENERAL LOG ENTRY GA Form 8(b) Rev. Original

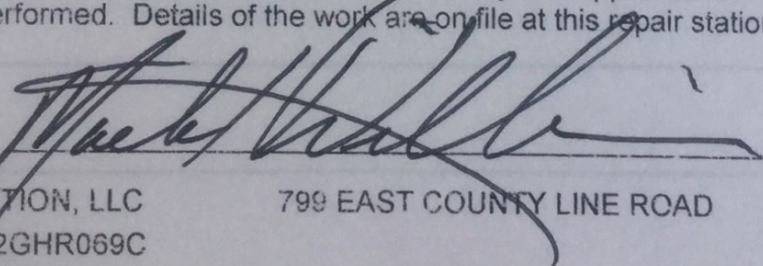
AIRCRAFT MAKE:	<u>Piper</u>	AIRCRAFT REGISTRATION:	<u>N456Y</u>
AIRCRAFT MODEL:	<u>PA28-180</u>	HOURS:	<u>1264.21</u>
AIRCRAFT S/N:	<u>2843353</u>	WORK ORDER:	<u>AV 315</u>

Installed USB connector socket in copilot instrument panel. Installed 4 amp pull type circuit breaker in aircraft main buss. Verified socket operation. No weight changes.

-----END-----

The aircraft identified above was repaired/inspected in accordance with current regulations of the Federal Aviation Administration, and was determined airworthy and approved for return to service with respect to the work performed. Details of the work are on file at this repair station under W.O. # AV 315

Signature:



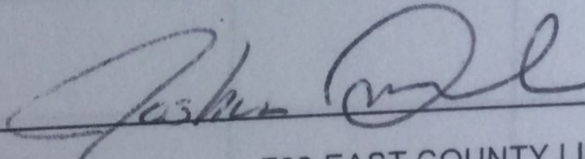
Date: August 8, 2016

GROH AVIATION, LLC  
FAA CRS # 2GHR069C

799 EAST COUNTY LINE ROAD

GREENWOOD, IN 46143  
317-727-9881

# AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
	GENERAL LOG ENTRY			
	AIRCRAFT MAKE: <u>Piper</u>		AIRCRAFT REGISTRATION: <u>456Y</u>	
	AIRCRAFT MODEL: <u>PA28-181</u>		Tach: <u>1264.21</u>	
	AFTT: <u>1264.21</u>		Date: <u>8-9-16</u>	
	<p>Completed an annual inspection on this airframe in accordance with Piper PA28-181 100hr/Annual inspection guide lines and current FARs. Serviced and charged the aircraft battery. Complied with FAR91.207 D 1-4 ELT inspection, no defects noted. Installed new o-rings in the left strut and serviced with MIL5606 hydraulic fluid and nitrogen. Installed new o-rings in the right strut and serviced with MIL5606 and nitrogen. Serviced the nose strut with nitrogen. Packed the wheel bearings and lubed the airframe in accordance with the service manual. Removed the vacuum regulator filter and replaced with new filter P/N B3-5-1. I certify this airframe was inspected in accordance with an annual inspection and was determined to be in an airworthy condition.</p> <p>The aircraft identified above was repaired/inspected in accordance with current regulations of the Federal Aviation Administration, and was determined airworthy and approved for return to service with respect to the work performed. Details of the work are on file at this repair station under W.O. # <u>    </u>.</p>			
	Signature: 		A&P IA 3308388	
	GROH AVIATION, LLC		799 EAST COUNTY LINE ROAD GREENWOOD, IN 46143 317-727-9881	
	<p>Total To Carry Forward</p>			



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

and Remarks

Signature

Certificate No.

AIRCRAFT MAKE: Piper  
AIRCRAFT MODEL: PA28-181  
AFTT: 1330.0

AIRCRAFT REGISTRATION: 456Y  
Tach: 1330.0  
Date: 9/11/17

Completed an annual inspection on this airframe in accordance with Piper PA28-181 100hr/Annual inspection guide lines and current FARs. Serviced and charged the aircraft battery. Packed the wheel bearings and lubed the airframe in accordance with the service manual. Removed the left brake linings and replaced with new linings. Removed the right brake linings and replaced with new linings. Complied with FAR91.207 D 1-4 ELT inspection, no defects noted, ELT battery expires December 2021. Complied with AD2013-02-13 Inspection of the Elevator control cable and turnbuckle, no defects noted. Removed the vacuum filters and replaced with new filters. I certify this airframe was inspected in accordance with an annual inspection and was determined to be in an airworthy condition.

The aircraft identified above was repaired/inspected in accordance with current regulations of the Federal Aviation Administration, and was determined airworthy and approved for return to service with respect to the work performed. Details of the work are on file at this maintenance facility under W.O. #

Signature: \_\_\_\_\_

GROH AVIATION, LLC

817 Airport Access Dr.

3624453 A&P IA

GREENWOOD, IN 46143

317-727-9881

AIRCRAFT LOG

Aircraft Time		Recorder Reading	Maintenance
This Date	Total		

Brought Forward

ALTIMETER/STATIC SYSTEM/TRANSPONDER TESTS AND INSPECTIONS GA Form 8 Rev. 1

AIRCRAFT MAKE: Piper      AIRCRAFT REGISTRATION: N456Y  
 AIRCRAFT MODEL: PA28-180      HOURS: 1331.63  
 AIRCRAFT S/N: 2843353      WORK ORDER: AV 461

I certify that the Altimeter and Static System tests and inspections, as required by FAR 91.411, and in accordance with FAR 43, Appendix E, have been performed.

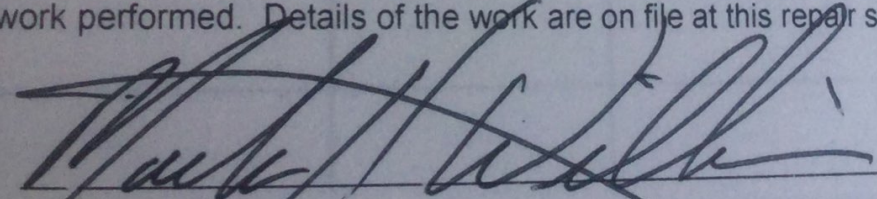
PILOT P/N: 5934PD-3      S/N: 411040      TESTED TO: 20,000 Ft.  
 COPILOT/STBY P/N: N/A      S/N: N/A      TESTED TO: N/A  
 ENCODER # 1: AR 850      S/N: 15894      TESTED TO: 20,000 Ft.  
 ENCODER # 2: N/A      S/N: N/A      TESTED TO: N/A

Pilot Altimeter Test Date: 09-29-2017      Standby Altimeter Test Date: N/A

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

TRANSPONDER # 1: GTX 327      S/N: 83708732  
 TRANSPONDER # 2: N/A      S/N: N/A

The aircraft identified above was repaired/inspected in accordance with current regulations of the Federal Aviation Administration, and was determined airworthy and approved for return to service with respect to the work performed. Details of the work are on file at this repair station under W.O. # AV 461.

Signature:       Date: September 29, 2017

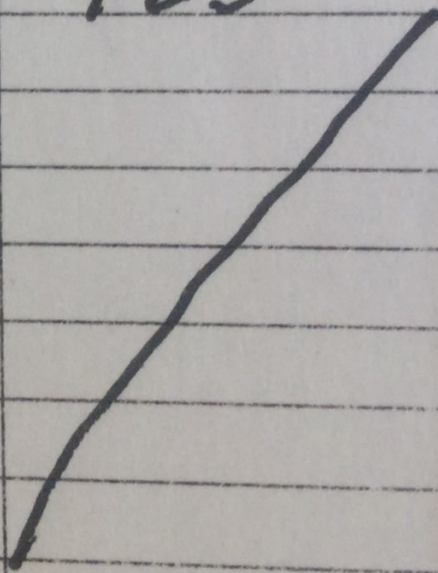
GROH AVIATION, LLC  
 FAA CRS # 2GHR069C

799 EAST COUNTY LINE ROAD

GREENWOOD, IN 46143  
 317-727-9881

GA Form 10 Rev. Original  
 ALTIMETER CORRECTION CARD

ALTITUDE	ERROR	ALTITUDE	ERROR
-1,000	-10	14,000	-15
0	-5	16,000	-5
500	+5	18,000	+10
1,000	-10	20,000	+35
1,500	+0	22,000	
2,000	-5	25,000	
3,000	-10	30,000	
4,000	-15	35,000	
6,000	-20	40,000	
8,000	-25	45,000	
10,000	-25	50,000	
12,000	-20		



ALTIMETER P/N

5934PD-3

S/N

411040

SIGNATURE

*[Handwritten Signature]*

DATE

09-29-2017

GROH AVIATION, LLC

FAA QRS # 2GHR069C

W.O. #:

AV 461

TRANSPONDER # 1:

GIX 321

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

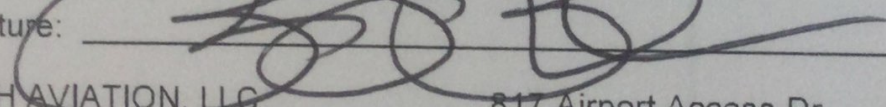
Signature

Certificate No.

AIRCRAFT MAKE: Piper  
AIRCRAFT MODEL: PA28-181  
AFTT: 1393.9

AIRCRAFT REGISTRATION: N456Y  
Tach: 1393.9  
Date: 10/5/18

Completed an annual inspection on this aircraft in accordance with Piper PA28-181 annual inspection check list. Complied with FAR91.207 D 1-4 ELT inspection, no defects noted. Lubed aircraft in accordance with the service manual. Bleed the left brake and serviced the hydraulic reservoir with MIL5606 hydraulic fluid. I certify this aircraft has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.

Signature: 

3624453 A&P IA

GROH AVIATION, LLC

817 Airport Access Dr.

GREENWOOD, IN 46143

317-727-9881

# AIRCRAFT LOG



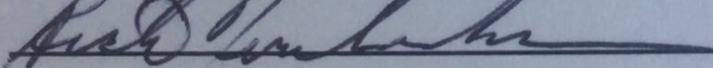
**Muncie Aviation Company**  
An Employee Owned Company




<u>Reg. Mark</u>	<u>Hobbs/Tach</u>	<u>Make</u>	<u>Model</u>	<u>S/N</u>
N456Y	1413.99	Piper	PA28-181	2843353

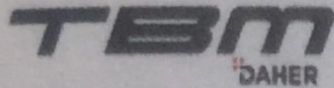
Removed, disassembled, and cleaned left brake assembly. Reassembled and reinstalled using new o-ring. Performed brake bleeding procedure to remove air from system. Completed brake system leak check with no discrepancies noted. All work was done IAW Piper Aircraft PA-28-181 MM 32-40-00.

The aircraft/component identified above was repaired/inspected in accordance with current Regulations of the Federal Aviation Administration and found airworthy, and is approved for return to service for work performed. Details of the repair/inspection are on file at this C.R.S under Shop Order No. S-18-0721

Date 12/12/2018 Signed  Inspector For Muncie Aviation Company  
CRS# AJVR135C, Muncie, Indiana 47303 765-289-7141

Total To Carry Forward				

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



**Muncie Aviation Company**  
An Employee Owned Company



<u>Reg. Mark</u>	<u>Hobbs/Tach</u>	<u>Make</u>	<u>Model</u>	<u>S/N</u>
N456Y	1465.8	Piper	PA28-181	2843353

Removed left landing gear fairings. Removed inspection panel on bottom of left wing. Removed left air vent and fuel selector valve cover and handle. Inspected all fittings, hoses line associated with the left brake. No leaks found. Checked fittings for tightness. No loose fitting found. Inspected left, right and parking brake master cylinders. Inspected brake caliper. No leaks found. Removed cowling and checked hydraulic reservoir. Found it topped off. Bled the left brake to remove any air trapped in the system. Set the parking brake for an 3 hours, to check it is able to hold pressure. Brake system was able to hold the pressure, indicating no leaks present. Re-installed all removed fairings and panels. Op check: Good. Ref; PA-28-181 M.M. 32-40-00.

The aircraft/component identified above was repaired/inspected in accordance with current Regulations of the Federal Aviation Administration and found airworthy, and is approved for return to service for work performed Details of the repair/inspection are on file at this C.R.S under Shop Order No. S-19-0874

Date 4/16/2019 Signed  Inspector For Muncie Aviation Company

CRS# AJVR135C, Muncie, Indiana 47303 765-289-7141

Total for  
Copy forward

# AIRCRAFT LOG



**Muncie Aviation Company**  
An Employee Owned Company



<u>Reg. Mark</u>	<u>Tach</u>	<u>Make</u>	<u>Model</u>	<u>S/N</u>
N456Y	1481.7	Piper	PA-28-181	2843353

Removed items: Garmin GTX327 Transponder p/n 011-00490-00.

Narco AR850 Encoder

BF Goodrich TRC497 Skywatch Traffic p/n 805-10800-001

Installed items: Garmin GTX345 Transponder p/n 011-03302-00 s/n 3EG029236

Trans Cal Ind. SSD120-35C-RS232 Encoder s/n SRC-11376.

Installed Garmin GTX345 Transponder with ADS-B Out functionality IAW STC #SA01714W1, amended 2/6/2019 and GTX3XX Part 23 AML STC Installation Manual 190-00734-10, revision 12, dated 4/10/2019. Instructions for Continued Airworthiness and Appendix A from the GTX33X and GTX3X5 ADS-B Maintenance Manual, 190-00734-11, revision 6, dated 12/7/2019, have been completed and placed in the aircraft's permanent records, and are included as an attachment to the FAA form 337. The FAA approved Aircraft Flight Manual Supplement for Garmin GTX33X and GTX3X5 Transponders with ADS-B, 190-00734-15, revision 3, dated 12/21/2019, has been inserted in the aircraft's Pilot's Operating Handbook. The installed ADS-B OUT system was shown to meet the equipment performance requirements of 14 CFR section 91.227. The Transponder has been tested as required by 91.413 and was found to comply within limits set in FAR 43, appendix F. Performed electrical load analysis IAW previously mentioned installation manual.

The aircraft/component identified above was repaired/inspected in accordance with current Regulations of the Federal Aviation Administration and found airworthy, and is approved for return to service for work performed

Details of the repair/inspection are on file at this C.R.S under Shop Order No. A-19-2019

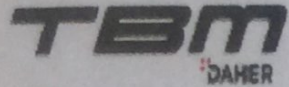
Date 9-6-2019 Signed C. J. [Signature] Inspector For Muncie Aviation Company

CRS# AJVR135C, Muncie, Indiana 47303 765-289-7141

and Remarks

Signature

Certificate No.



**Muncie Aviation Company**  
An Employee Owned Company



Reg. Mark

N456Y

Hobbs

1511

Make

Piper

Model

PA-28-181

S/N

2843353

I certify that the altimeter / static system, transponder, and encoder have been tested as required by FAR 91.217, 91.411, and 91.413. Units were found to comply with the limits set in FAR 43, Appendices E & F to 20,000 ft.

Altimeter #1: Mfg. United Inst. P/N 5934PD-3 S/N 411040

Date Tested: 9/6/2019

Trans #1: Mfg. Garmin Model GTX345 S/N 3EG029236

Encoder #1: Mfg. Trans Cal Ind Model SSD120-30C-RS232 S/N SRC11376

Details of the inspection are on file at this C.R.S. under Shop Order No.: A-19-2019

Date 9/6/2019 Signed *Chad* Inspector For Muncie Aviation Company

CRS# AJVR135C, Muncie, Indiana 47303 765-289-7141



# Altimeter Scale Correction Card

Altimeter P/N 3934PD-3  
Altimeter S/N 411040

Test Point Feet	Altimeter Reading	Test Point Feet	Altimeter Reading
-1000	-1000	14000	13970
0	-10	16000	15980
500	490	18000	17990
1000	990	20000	20005
1500	1490	22000	N/A
2000	1990	25000	N/A
3000	2990	30000	N/A
4000	3990	35000	N/A
6000	5980	40000	N/A
8000	7975	45000	N/A
10000	9970	50000	N/A
12000	11970		

Tested By: [Signature]  
Inspector: [Signature]  
Date: 9-5-2019

Muncie Aviation Co. CRS# AJVR135C  
5201 N. Walnut St.  
Muncie, IN 47303

# AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		



**Muncie Aviation Company**  
An Employee Owned Company



<u>Reg. Mark</u>	<u>Hobbs</u>	<u>Make</u>	<u>Model</u>	<u>S/N</u>
N456Y	1511	Piper	PA-28-181	2843353

Removed leaking fuel drain on left fuel tank. Installed new fuel drain p/n CC-1550 IAW Piper PA-28-181 maintenance manual p/n 761-883 rev PR171115 dated December 19, 2017. Leak check good.

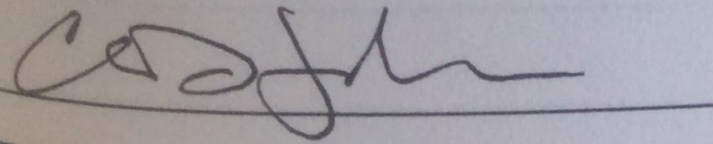
Federal Aviation Administration and found airworthy, and is approved for return to service for work performed  
 Details of the repair/inspection are on file at this C.R.S under Shop Order No. A-19-2019  
 Date 9/6/2019 Signed *Cal B...* Inspector For Muncie Aviation Company  
 CRS# AJVR135C, Muncie, Indiana 47303 765-289-7141

Total To Carry Forward



**N456Y Piper PA28-181 S/N: 2843353 Tach: 1510 Total Time 1510 Hobbs: 1540**

Performed Annual inspection of airframe, lubed control pullies and hinges. Visually inspected airframe for corrosion and other defects. Tested ELT IAW FAR 91.207, ELT battery expires 08/2021. Brake linings and discs checked for wear and defects. Complied with AD 2018-07-03 (fuel selector placard). Reviewed existing AD compliance reports. Prepared Current report based on existing records and provided current report to owner. I certify that this Airframe was inspected in accordance with an Annual inspection and is found to be in airworthy condition. Aircraft TT estimated based on Tach replacement in 08/1979.



10/25/2019

Chris Johnson I.A. 3852791

Annual 10/25/19  
ELT INSPECTED 10/25/19
