



2149J

LOG 2

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AIRCRAFT SALES & BROKERAGE

*The Standard*



**AIRCRAFT LOG**

**ASA-SA-2**

# Aircraft Record General Information

Manufacturer

Piper

Model

PA28-234

Serial

28-7911061

Registration Number

N2149J

Date of Manufacture

Engine(s) currently installed:

Manufacturer

Model

Serial

Manufacturer

Model

Serial

Propeller(s) currently installed:

Manufacturer

Model

HUB Model

Serial

Serial

Blade Model

Serial

Serial

Serial

Blade Model

Serial

Serial

Serial

DATE	TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
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Date: 02/24/2006, Aircraft: N2149J, Type: PA28-236, S/N: 28-7911061 Tach 687.4  
 \*\*\*Airframe\*\*\*  
 Stop drilled cracks on horizontal stabilator tips.  
 Inspected landing light and no adjustments on landing light.  
 Lubed stabilator trim pulleys and hinges, ops checks ok. May need to send electric trim actuator out for repair.  
 Replaced door close relay and door open limit switch, found wire broken under instrument panel and repaired wiring. Ops checks ok.  
 Removed electric trim servo and sent out for repair. Re-installed trim servo after repair, p/n PET-1; s/n 18084. Repaired by Muncie Aviation. Checked trim rigging and cable tensions and ops checks ok.

The aircraft, engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was determined airworthy and approved for return to service. Pertinent details of the repair are on file at this repair station under W/O # 05-33409 dated 2-24-06, signed [Signature]  
 Indianapolis Aviation, Inc/Indianapolis Metropolitan Airport  
 9913 Willowview Road, Fishers IN 46038  
 FAA Approved Repair Station #AIHR-109C

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
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Date: 03/07/2006, Aircraft: N2149J, Type: PA28-236, S/N: 28-7911061 Tach 707.0 Hobbs 1283.5  
 \*\*\*Airframe\*\*\*  
 Installed new battery, Gill G35; s/n G02242790. Cleaned corrosion on cable ends.  
 Installed new lamp, p/n GE1940. Ops check ok.  
 Installed owner supplied viser bracket.  
 Re-secured curtain rod/bracket.

The aircraft, engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was determined airworthy and approved for return to service. Pertinent details of the repair are on file at this repair station under W/O # 06-33837 dated 3-7-06, signed [Signature]  
 Indianapolis Aviation, Inc/Indianapolis Metropolitan Airport  
 9913 Willowview Road, Fishers IN 46038  
 FAA Approved Repair Station #AIHR-109C

YEAR	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of (es.)
DATE	Date: 03/31/2006, Aircraft: N2149J, Type: PA28-236, S/N: 28-7911061 Tach 719.3 Hobbs			
	1297.5			
	***Airframe***			
	Inspected alternator belt installation and checked belt alignment and shimmed as needed.			
	Replaced alternator belt, p/n 73965-009. Run up ops checks and leak checks ok.			
	The aircraft, engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was determined airworthy and approved for return to service. Pertinent details of the repair are on file at this repair station under W/O # <u>06-33918</u> dated <u>3-31-06</u> , signed <u>[Signature]</u>			
	Indianapolis Aviation, Inc/Indianapolis Metropolitan Airport 9913 Willowview Road, Fishers IN 46038 FAA Approved Repair Station #AIHR-109C			

YEAR	RECORDING TACH	TODAYS FLIGHT	TOTAL TIME IN	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of (es.)
	Date: 05/19/2006, Aircraft: N2149J, Type: PA28-236, S/N: 28-7911061 Tach 738.1			
	***Airframe***			
	Replaced air conditioner pressure switch and receiver dryer. Evacuated A/C system. Serviced A/C with 2lbs freon and 2 oz oil. Op check ok.			
	Removed and replaced beacon lamp w/new, GE1940. Op check ok.			
	The aircraft, engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was determined airworthy and approved for return to service. Pertinent details of the repair are on file at this repair station under W/O # <u>06-33970</u> dated <u>5-19-06</u> , signed <u>[Signature]</u>			
	Indianapolis Aviation, Inc/Indianapolis Metropolitan Airport 9913 Willowview Road, Fishers IN 46038 FAA Approved Repair Station #AIHR-109C			

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

Date: 07-11-06 Aircraft: N2149J Type: PA28-236 Tach: 764.6  
 \*\*Avionics\*\*

Removed existing wet compass. Installed Precision Instruments Vertical Card compass,  
 Model PAI700-14, S/N 60014. Performed compass swing in accordance with AC 43.13-1B,  
 Chapter 12, paragraph 12-37. Completed compass correction card.


The aircraft, engine, propeller, or appliance 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. Pertinent details of the  
 installation are on file at this repair station under W.O. # 06-34278 dated 07-11-06.

Signed

  
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YEAR:	RECORDING TACH	TODAYS FLIGHT	TOTAL TIME IN	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of
DATE				

Date: 06/27/2006, Aircraft: N2149J, Type: PA28-236, S/N: 28-7911061 Tach 760.0 Hobbs es.)  
 1343.9  
 \*\*\*Airframe\*\*\*  
 Installed new Piper p/n 566-228 air conditioner suction line. Evacuated air conditioning system.  
 Leak check, checked ok. Serviced air conditioning system w/2 lbs R-12. Operation and leak  
 check, checked ok.  
 Removed fire extinguisher. Installed new extinguisher, p/n RT-A-1200.  
 Checked lights, brakes, and tires. Serviced battery, inflated tires to manufacture spec's.  
 Removed #2 and #4 cyl Cht probes. Tested w/Alcal box. Switched probes from #2 and #4 cyl.  
 Sealed baffling w/rtv.

The aircraft, engine, propeller, or appliance identified above was repaired and inspected in  
 accordance with current regulations of the Federal Aviation Administration and was  
 determined airworthy and approved for return to service. Pertinent details of the repair are on  
 file at this repair station under W/O # 06-34133 dated 06-27-06,  
 signed   
 Indianapolis Aviation, Inc./Indianapolis Metropolitan Airport  
 9913 Willowview Road, Fishers IN 46038  
 FAA Approved Repair Station #AIHR-109C



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

Date: 08/25/2006, Aircraft: N2149J, Type: PA28-236, S/N: 28-7911061 Hobbs 1362.4

\*\*\*Airframe\*\*\*

Removed and repaired nose wheel pant and painted base and 3 stripes w/Imron. Re-installed nose pant.

The aircraft, engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was determined airworthy and approved for return to service. Pertinent details of the repair are on file at this repair station under W/O # 06-34371 dated 8-25-06, signed [Signature]

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

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Date: 09/06/2006, Aircraft: N2149J, Type: PA28-236, S/N: 28-7911061 Total Time 2294.1  
Tach 790.5

\*\*\*Airframe\*\*\*

Annual inspection completed. Packed all wheel bearings.

Repaired cracked engine mount at left side nose gear support tube weld by cleaning and welding crack per AC43.13-1B, Chg 1., Para 4-99. Engine mount alignment ok. Primed and painted repaired area.

Replaced stabilator trim link bushing assy w/new, p/n 65258-005 assy.

Replaced stabilator erosion tape w/new.

Cleaned corrosion in and around battery box and cleaned box drains and vents. Cleaned battery cable terminals.

Re-safetied airbox bracket bolts.

Sealed firesleeve at fuel pressure gauge line at carb.

Secured loose primer line clamp cushions.

Removed #2 cyl primer line, re-flared line and re-installed. Leak check ok.

Replaced vacuum hose between pump and firewall w/new.

Replaced all brake pads w/new.

Re-sealed and serviced right brake wheel cyl. Leak check ok.

Re-secured loose stiffener at left main gear strut fairing.

Removed Michigan Aeronautics Commission stickers from tail.

Trimmed left fwd engine baffle to clear alternator belt.

Replaced Elt battery, battery expires July 2008. 12 month Elt check per FAR 91-207d C/W.

AD 76-07-12R1, Bendix ignition switch, effective date 8/30/1977, N/A, date code on switch.

Installed shoulder harness attach grommets at both front seat belts.

Replaced primer line tee at right aft side of engine and installed clamp correctly. Leak check

Con't From prev page dated 9/06/06

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ok.

Removed carb heat muff, tightened loose rivets, and re-installed.

Replaced carb heat duct w/new Scat 13 duct.

Re-secured loose engine oil sump heater to sump.

Cleaned air conditioner condenser area and lubed condenser retract linkages.

AD's checked thru Bi-weekly 2006-18. AD 84-26-02, Air filter due 922.0 Tach. AD 2004-10-14,

Crank gear bolt due overhaul or prop strike. AD 2005-12-06, Mag impulse due 1187.4 Tach.

IFR checks due 8/2007. Elt battery due 7/2008. FAR 91-207d due 9-2007.

I certify that this Aircraft has been inspected in accordance with an

ANNUAL 100 Hr inspection and determined to be in airworthy condition. Pertinent details are  
on file at this agency under W/O # 06-34464 . Date: 9-06-06

Signed

Brian K. Rogers - Inspector  
Indianapolis Aviation, Inc., Indianapolis Metropolitan Airport,

9913 Willowview Road, Fishers, IN 46038

FAA approved repair station #AIHR-109C

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

Date: 09/07/2006, Aircraft: N2149J, Type: PA28-236, S/N: 28-7911061 Tach 790.7

\*\*\*Airframe\*\*\*

Replaced dome light rheostat w/new, p/n 456-732 rheostat. Re-installed top cabin panel  
removed for access. Dome light operation check ok.

The aircraft, engine, propeller, or appliance identified above was repaired and inspected in  
accordance with current regulations of the Federal Aviation Administration and was  
determined airworthy and approved for return to service. Pertinent details of the repair are on  
file at this repair station under W/O # 06-34369 dated 9-7-06,  
signed Brian K. Rogers

Indianapolis Aviation, Inc./Indianapolis Metropolitan Airport

9913 Willowview Road, Fishers IN 46038

FAA Approved Repair Station #AIHR-109C

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

Date: 11-14-06 Aircraft: N2149J Type: PA28-236 Tach: 838.3  
 \*\*Avionics\*\*

Removed KI 227 ADF indicator, reinstalled turn coordinator in instrument hole left of existing mount. Installed Castleberry Instruments Model 300-14EL standby electric attitude indicator in area vacated by turn coordinator. Interfaced with existing panel light buss and aircraft power buss through a 1 amp fuse. Performed turn coordinator and standby gyro operational checks and adjusted for level. Unused KI 227 indicator connector and wiring was secured in accordance with AC4313-1B, Section 8, Paragraph 11-99(d). The Model 300-14EL Attitude Gyro Operator's Guide, P/N 0052-1001-0001, Rev. A, has been installed in the aircraft. Revised aircraft weight and balance and equipment list.

The aircraft, engine, propeller, or appliance 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. Pertinent details of the installation are on file at this repair station under W.O. # 06-34788 dated 11-14-06.

Signed

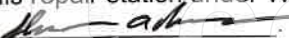
  
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 FAA Approved Repair Station # AIHR109C

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

Date: 10/23/2006, Aircraft: N2149J, Type: PA28-236, S/N: 28-7911061 Tach 812.0 Hobbs 1405.1

\*\*\*Airframe\*\*\*

Replaced a/c hose, p/n 566-227 on left side of engine. Re-cowled engine. Evacuated a/c system. Leak check, checked ok.

The aircraft, engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was determined airworthy and approved for return to service. Pertinent details of the repair are on file at this repair station under W/O # 06-34637 dated 10-23-06, signed 

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DATE				

Date: 5/30/2007, Aircraft: N2149J, Type: PA28-236, S/N: 28-7911061 Tach 908.5 Hobbs  
1514.1

\*\*\*Airframe\*\*\*

Removed bendix switch. Installed switch repair kit, p/n 10-357510. Re-installed switch, test  
check good.

Removed and replaced starter contactor assy, p/n 767-394. Ran engine, check good.

The aircraft, engine, propeller, or appliance identified above was repaired and inspected in  
accordance with current regulations of the Federal Aviation Administration and was  
determined airworthy and approved for return to service. Pertinent details of the repair are on  
file at this repair station under W/O #07-35499 dated 5-30-07.

signed Troy Hester  
Indianapolis Aviation, Inc/Indianapolis Metropolitan Airport  
9913 Willowview Road, Fishers IN 46038  
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YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				

Date: 7/10/2007, Aircraft: N2149J, Type: PA28-236, S/N: 28-7911061 Tach 924.2 Hobbs  
1531.8

\*\*\*Airframe\*\*\*

Removed cowling. Tested belt tensions on a/c and alt, check good. Re-installed cowling.  
Found cowling latch loose, installed spacer on right fwd side.  
Tested #2 Cht w/test box, test check good. Switched #2 and #4 for test.

The aircraft, engine, propeller, or appliance identified above was repaired and inspected in  
accordance with current regulations of the Federal Aviation Administration and was  
determined airworthy and approved for return to service. Pertinent details of the repair are on  
file at this repair station under W/O #07-35689 dated 7-10-07.  
signed Troy Hester

Indianapolis Aviation, Inc/Indianapolis Metropolitan Airport  
9913 Willowview Road, Fishers IN 46038  
FAA Approved Repair Station #AIHR-109C





YEAR: Date: 7/10/2007, Aircraft: N2149J, Type: PA28-236, S/N: 28-7911061 Tach 924.2 Hobbs 1531.8

\*\*\*Airframe\*\*\*

DATE

Removed cowling. Tested belt tensions on a/c and alt, check good. Re-installed cowling. Found cowling latch loose, installed spacer on right fwd side.  
Tested #2 Cht w/test box, test check good. Switched #2 and #4 for test.

The aircraft, engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was determined airworthy and approved for return to service. Pertinent details of the repair are on file at this repair station under W/O #07-35689 dated 7-10-07.  
signed [Signature]

Indianapolis Aviation, Inc/Indianapolis Metropolitan Airport  
9913 Willowview Road, Fishers IN 46038  
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tries.)

YEAR:	RECORDING TACH	TODAYS ENGINE	TOTAL	Description of Inspections. Tests. Repairs and Alterations
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Date: 7/24/2007, Aircraft: N2149J, Type: PA28-236, S/N: 28-7911061 Tach 935.0

\*\*\*Airframe\*\*\*

DATE

Removed stall warning switch, cleaned terminals. Ops check, checked ok.

The aircraft, engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was determined airworthy and approved for return to service. Pertinent details of the repair are on file at this repair station under W/O #07-35772 dated 7-24-07.  
signed [Signature]

Indianapolis Aviation, Inc/Indianapolis Metropolitan Airport  
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AIRCRAFT SALES & BROKERAGE



YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE	Date: 8/24/2007, Aircraft: N2149J, S/N: 28-7911061 tach 951.1 Hobbs 1560.9			
	***Airframe***			
	Installed new air filter, Donaldson p/n O13-6602. Replacement is due in 500 hrs, 1451.1 Tach time.			
	The aircraft, engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was determined airworthy and approved for return to service. Pertinent details of the repair are on file at this repair station under W/O # <u>07-35934</u> dated <u>8-24-07</u> , signed <u>R. G. G. G.</u>			
	Indianapolis Aviation, Inc/Indianapolis Metropolitan Airport 9913 Willowview Road, Fishers IN 46038 FAA Approved Repair Station #AIHR-109C			

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE	Date: 8/13/2007, Aircraft: N2149J, S/N: 28-7911061 Tach 949.1 Hobbs 1558.6			
	***Airframe***			
	Replaced pilots foul weather window seal w/new.			
	Re-installed JPI functions button on instrument.			
	Adjusted carb heat cable.			
	The aircraft, engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was determined airworthy and approved for return to service. Pertinent details of the repair are on file at this repair station under W/O # <u>07-35863</u> dated <u>8-13-07</u> , signed <u>R. G. G. G.</u>			
	Indianapolis Aviation, Inc/Indianapolis Metropolitan Airport 9913 Willowview Road, Fishers IN 46038 FAA Approved Repair Station #AIHR-109C			

I certify the tests and inspections required by FAR 91.411 and 91.413 were performed in accordance with FAR 43 Appendix E and F.

WO # 07-38962

Date: 08  
\*\*Avionics\*\*

Altimeter #1 Make UNITED Model 5934P S/N K4465  
Altimeter #2 Make — Model — S/N —  
Encoder Make AMERIKING Model AK 350 S/N 329130  
Transponder #1 Make GARMIN Model GTX 330 S/N 84115370  
Transponder #2 Make — Model — S/N —

Performed GDL 69 so  
Service Bulletin 0702,

The aircraft, engine  
inspected in accordance  
was determined a  
installation are c

Signed

India

Test Alt.	#1	#2	Test Alt.	#1	#2	Test Alt.	#1	#2
-1000	-5		4000	0		18,000	-30	
0	0		6000	+5		20,000	-30	
500	0		8000	0		22,000		
1000	-10		10,000	-10		25,000		
1500	-5		12,000	-15		30,000		
2000	0		14,000	-10		35,000		
3000	-5		16,000	-10				

Date 08-29-07

By

Indianapolis Aviation Inc. CRS A1HR1090

Checked cable tens

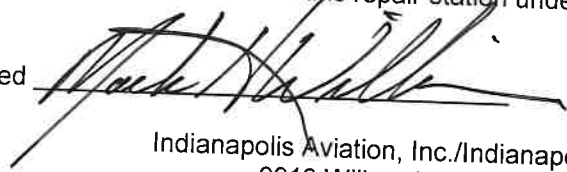
Cleaned corrosion and dirt from battery terminals

Date: 08-29-07 Aircraft: N2149J Type: PA28-236 Hobbs: 1566.3  
\*\*Avionics\*\*

Performed GDL 69 software update to version 3.10 in accordance with Garmin Software Service Bulletin 0702, Rev. A dated June 08, 2007. Verified GDL 69 operation after update.

The aircraft, engine, propeller, or appliance 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. Pertinent details of the installation are on file at this repair station under W.O. # 07-35962 dated 08-29-07.

Signed



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DATE				

Date: 4/17/2007, Aircraft: N2149J, Type: PA28-236, S/N: 28-7911061 Tach 879.8 Hobbs 1481.3

\*\*\*Airframe\*\*\*

Installed new tire on right main wheel, Goodyear FS II 6.00x6 6ply. Balanced tire and wheel assembly. Serviced bearings.

Removed primer handle and lubed o-rings w/DC4. Re-installed on aircraft.

Replaced 3 engine control phenolic washers, p/n 62833-46, 62833-50. Re-cotter pinned control shaft. Ops checked friction lock, check ok.

The aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was determined airworthy and approved for return to service. Pertinent details of the repair are on file at this repair station under W/O # 07-35271 dated 4-17-07, signed [Signature]

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

Date: 10/19/2007, Aircraft: N2149J, Type: PA28-236, S/N: 28-7911061 Total Time 2465.9

Tach 962.3, Hobbs 1573.8

\*\*\*Airframe\*\*\*

Annual inspection complete. Serviced battery and tires, re-packed wheel bearings. Lubed controls and pulleys. Replaced vacuum regulator filter w/new. Checked surface travel and cable tensions. AD's checked thru Bi-weekly 2007-20.

Elt 12 month inspection completed IAW FAR 91-207d Para (1-4), no defects noted. Next due Oct 2008. Elt battery change due July 2008.

AD 84-26-02, eff date 01/29/1985, previously c/w by replacement of paper air filter at 951.1 Tach. Next due 1451.1 Tach.

Removed keeper from trim cable pulley aft of baggage compartment. Installed stabilator trim cable on pulley and re-installed keeper. Checked cable tension and surface travel.

Fabricated and installed patch on baffle fwd of #2 cylinder, stop drilled crack.

Released pressure from right main gear strut. Removed wheel and brakes. Dis-connected torque link from lower strut. Removed lower strut, inspected gear. Replaced o-ring in upper strut. Re-assembled right main using new/o-ring, p/n 484-769. Serviced w/hydraulic fluid and nitrogen. Jacked aircraft and leak checked.

Removed left aileron control rod. Replaced fwd rod end w/new, p/n S1106-3. Re-installed control rod. checked rigging.

Replaced right aileron control aft rod end, checked rigging.

Removed parking brake actuator. dis-assembled, cleaned, and inspected. Re-assembled w/new o-rings. Installed actuator, back filled reservoir to remove air from system.

Removed left aileron and sent out for repair. Primed, painted and re-installed repaired aileron. Checked cable tension and travel.

Cleaned corrosion and dirt from battery box. Un-clogged drain tube and flushed. Re-installed

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battery.

Removed both left and right stabilator tips. Fitted, drilled, and installed new owner supplied tips.

Re-secured carpet to interior floor.

Dis-connected stabilator trim cable aft of baggage compartment. Replaced trim barrel w/new, p/n 65530-000, shaft, p/n 65246-000, and bushings, p/n 452-413. Re-routed and connected cable. Rigged stabilator trim.

Removed broken alternator bracket. Installed new bracket, p/n 79446-003. Checked alt belt tension.

Removed front crew seats. Replaced all rollers, bushings, and spacers. Re-installed seats.

Removed #4 cylinder Cht probe. Installed new probe, p/n 5050 and connected leads.

Dis-connected fuel lines from gascolator. Removed bowl and gascolator cover. Installed new cover, p/n 87477-002. Connected fuel lines, installed screen, gasket, and fuel bowl, safetied.

Turned fuel on, no leaks noted.

Replaced all baffle seals on engine baffles.

I certify that this Aircraft has been inspected in accordance with an ANNUAL / 100 Hr inspection and determined to be in airworthy condition. Pertinent details are on file at this agency under W/O # 07-36039. Date: 10-18-07

Signed

Indianapolis Aviation, Inc., Indianapolis Metropolitan Airport,  
9913 Willowview Road, Fishers, IN 46038  
FAA approved repair station #AIHR-109C

#### d Alterations

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pecific entries.)

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

Date: 10/25/2007, Aircraft: N2149J, Type: PA28-236, S/N: 28-7911061 Tach 965.2 Hobbs 1577.2

\*\*\*Airframe\*\*\*

Removed right fuel tank drain valve. Installed new valve, p/n S2106-3. No further leaks noted.

The aircraft, engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was determined airworthy and approved for return to service. Pertinent details of the repair are on file at this repair station under W/O # 07-36216 dated 10-25-07, signed

Indianapolis Aviation, Inc./Indianapolis Metropolitan Airport  
9913 Willowview Road, Fishers IN 46038  
FAA Approved Repair Station #AIHR-109C

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

Date: 10/29/2007, Aircraft: N2149J, Type: PA28-236, S/N: 28-7911061 Tach 965.2 Hobbs  
1577.2

\*\*\*Airframe\*\*\*

Removed door hold open and dis-assembled. found spring out of place. Re-assembled with  
spring in correct place. Ops check good.

The aircraft, engine, propeller, or appliance identified above was repaired and inspected in  
accordance with current regulations of the Federal Aviation Administration and was  
determined airworthy and approved for return to service. Pertinent details of the repair are on  
file at this repair station under W/O # 07-36229 dated 10-29-07,  
signed [Signature]

Indianapolis Aviation, Inc/Indianapolis Metropolitan Airport  
9913 Willowview Road, Fishers IN 46038  
FAA Approved Repair Station #AIHR-109C

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

Date: 11/12/2007, Aircraft: N2149J, Type: PA28-236, S/N: 28-7911061 Tach 972.8 Hobbs  
1585.6

\*\*\*Airframe\*\*\*

Removed and tested calibration for cyl #2 Cht probe. Calibration checked ok. Re-installed Cht  
probe for cyl #2.

The aircraft, engine, propeller, or appliance identified above was repaired and inspected in  
accordance with current regulations of the Federal Aviation Administration and was  
determined airworthy and approved for return to service. Pertinent details of the repair are on  
file at this repair station under W/O # 07-36274 dated 11-12-07,  
signed [Signature]

Indianapolis Aviation, Inc/Indianapolis Metropolitan Airport  
9913 Willowview Road, Fishers IN 46038  
FAA Approved Repair Station #AIHR-109C

RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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Page 1 of 1

## LOG BOOK ENTRY

N 2149J TIME 1615.1 Tach DATE 12/04 20 07

REMOVED BAD DIRECTIONAL GYRO MODEL 52D54 PN:1U262-003-14 SN:90429G AND REPLACED WITH OVERHAUL EXCHANGE MODEL 52D54 PN:1U262-003-14 SN: 63267F. RAMP TESTED AND FOUND DIRECTIONAL GYRO TO OPERATE CORRECTLY.

-----END-----

(Aircraft and/or components above was repaired and inspected in accordance with current federal aviation regulations, and was found airworthy for return to service.)

Sign

W.O. # 606829

### MID AMERICA AVIONICS, INC.

1365 Warren Rd., Huntington, IN 46750  
FAA Approved Repair Station M2ZR218O  
Complete Avionics Parts and Services

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

Date: 12/18/2007, Aircraft: N2149J, Type: PA28-236, S/N: 28-7911061 Tach 999.7 Hobbs 1615.9

\*\*\*Airframe\*\*\*

Removed cowlings and defective E-Z Heat engine heater, p/n 440. Cleaned bottom of oil sump. Installed new heater, p/n 540 IAW manufactures instructions. Tested heater, ops check good. Re-installed cowlings.

The aircraft, engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was determined airworthy and approved for return to service. Pertinent details of the repair are on file at this repair station under W/O # 07-36405 dated 12-18-07, signed [Signature]


Indianapolis Aviation, Inc./Indianapolis Metropolitan Airport  
9913 Willowview Road, Fishers IN 46038  
FAA Approved Repair Station #AIHR-109C

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

Date: 1/17/2008, Aircraft: N2149J, Type: PA28-236, S/N: 28-7911061 Tach 1007.4 Hobbs  
1624.9

\*\*\*Airframe\*\*\*

Removed inner panel from right main wheel pant. Removed and replaced worn brake pads  
w/new, p/n 066-10500. Conditioned new pads, ops check good.

The aircraft, engine, propeller, or appliance identified above was repaired and inspected in  
accordance with current regulations of the Federal Aviation Administration and was  
determined airworthy and approved for return to service. Pertinent details of the repair are on  
file at this repair station under W/O # 08-36510 dated 1-17-08,  
signed 

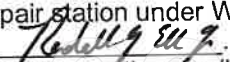
Indianapolis Aviation, Inc/Indianapolis Metropolitan Airport  
9913 Willowview Road, Fishers IN 46038  
FAA Approved Repair Station #AIHR-109C

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

Date: 1/25/2008, Aircraft: N2149J, Type: PA28-236, S/N: 28-7911061 Tach 1012.5 Hobbs  
1630.4

\*\*\*Airframe\*\*\*

Serviced both main struts w/MIL-H 5606 hydraulic fluid and nitrogen to manufactures spec's.

The aircraft, engine, propeller, or appliance identified above was repaired and inspected in  
accordance with current regulations of the Federal Aviation Administration and was  
determined airworthy and approved for return to service. Pertinent details of the repair are on  
file at this repair station under W/O # 08-36550 dated 1-25-08,  
signed 

Indianapolis Aviation, Inc/Indianapolis Metropolitan Airport  
9913 Willowview Road, Fishers IN 46038  
FAA Approved Repair Station #AIHR-109C



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

Date: 1/23/2008, Aircraft: N2149J, Type: PA28-236, S/N: 28-7911061 Tach 1012.5 Hobbs 1630.4

\*\*\*Airframe\*\*\*

Serviced both main struts with nitrogen to within manufacturers limits.

Serviced nose strut with nitrogen and hydraulic fluid to within manufacturers limits.

The aircraft, engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was determined airworthy and approved for return to service. Pertinent details of the repair are on file at this repair station under W/O # 08-36537 dated 1-23-08, signed [Signature]

Indianapolis Aviation, Inc/Indianapolis Metropolitan Airport  
9913 Willowview Road, Fishers IN 46038  
FAA Approved Repair Station #AIHR-109C

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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Date: 6/ 6/2008, Aircraft: N2149J, Type: PA28-236, S/N: 28-7911061 Tach 1032.4

\*\*\*Airframe\*\*\*

Serviced a/c system with 1lb R12. Pushed 54 degrees. Ops check. Checked ok. Closed aircraft fuselage bulkhead panel.

Installed new GE1940 lamp in tail beacon. Ops check. Checked ok.

The aircraft, engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was determined airworthy and approved for return to service. Pertinent details of the repair are on file at this repair station under W/O # 08-37093 dated 6/6/2008, signed [Signature]

Indianapolis Aviation, Inc/Indianapolis Metropolitan Airport  
9913 Willowview Road, Fishers IN 46038  
FAA Approved Repair Station #AIHR-109C



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

Date: 11/14/2008, Aircraft: N2149J, Type: PA28-236, S/N: 28-7911061

Total Time 2597.9 Tach 1094.3

\*\*\*Airframe\*\*\*

Completed annual inspection. Altimeter, transponder, static systems certifications due 8/2009. ELT battery due replacement 7/2010. ELT 12 month check due 11/2009. Cleaned a/c fuel screens. AD's checked thru Bi-weekly 2008-22.

Installed new instrument air filter, p/n AAD9-18-1.

Installed new vacuum regulator filter, p/n ARB3-5-1.

Removed fwd left baffle and installed a doubler patch. Re-installed fwd left baffle.

Stop drilled crack in lower inner cyl baffle for cyl #3 and #5.

Removed and replaced adel clamp on lower left engine mount.

Removed corrosion from left engine mount. Primed and painted left engine mount.

Removed exhaust shroud halves and sent out for overhaul. Installed overhauled exhaust shroud halves, p/n

38162-07 and 38159-03 on exhaust. Performed engine run-up. exhaust ops/leak check ok.

Re-safetied bolts on a/c compressor mount.

Re-sealed control cables entering firewall.

Installed new grommet on carb heat box control arm.

Repaired left gear strut cuff. Prepped and painted.

Removed and replaced worn inboard rod ends on both flaps. Installed new rod ends, p/n 452-336. Painted rod ends.

Flap rigging un-changed.

Removed and replaced worn brake pads on left main w/new pads, p/n 066-10500. Conditioned pads at engine run-up.

Removed bent nose gear steering stop pin and installed new pin, p/n MS20392-3C63.

Attached heater duct in tail and secured heater duct.

Removed battery from aircraft. Cleaned corrosion on battery box. Serviced battery w/distilled water. Charged and re-installed battery.

Re-routed hose behind instrument panel to clear control column.

Inst:ed new trim tab bolt, p/n AN3-10A.

Tightened mounting bolt for shimmy dampener.

Stop drilled crack in nose strut cuff on lower cowl.

Tightened attaching hardware for nose bowl fasteners on top cowl.

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DATE	con't from prev. page dated 11-14-08	Technician or Repair Facility. (See back pages for other specific entries.)
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Dis-connected rod end from mixture control arm. Cleaned attaching hardware and re-attached.

AD 84-26-02, eff date 1/29/1985, Induction air filters, due 1451.1 Tach (2954.7 A/C TT).

Repaired worn carb air box control arm and re-rigged control cable. Ops check ok.

Re-safetied a/c mounting bracket bolts.

Removed carb heat shroud and repaired multiple cracks w/doublers and stop drilling. Fitted repaired shroud to exhaust and re-installed.

Re-safetied carb air box aft bracket bolts.

Removed left main wheel from aircraft. Installed new tire, goodyear FSII, 6.00-6 6ply. Cleaned and packed bearings, balanced wheel assy, and re-installed on aircraft.

12 month ELT check per FAR 91.207d C/W.

I certify that this Aircraft has been inspected in accordance with an  
 ANNUAL / 100 Hr inspection and determined to be in airworthy condition. Pertinent details are on file at this agency  
 under W/O #0837783. Date: 11-14-08  
 Signed *[Signature]*

Indianapolis Aviation, Inc., Indianapolis Metropolitan Airport,  
 9913 Willowview Road, Fishers, IN 46038  
 FAA Approved Repair Station #AIHR-109C

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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Date: 11/21/2008, Aircraft: N2149J, Type: PA28-236, S/N: 28-7911061

Tach 1098.0 Hobbs 1724.6

\*\*\*Airframe\*\*\*

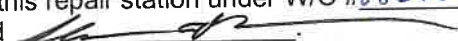
Removed muffler shroud bolts and re-installed properly to provide clearance <sup>from</sup> cowling.

Applied rty anti-chafe between shroud and cowling.

Inspected nose strut and steering system, found nose strut low. Serviced strut w/hydraulic fluid and nitrogen. Lubed steering system.

Re-sealed left side window.

Installed new turn limit placards.

The aircraft, engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was determined airworthy and approved for return to service. Pertinent details of the repair are on file at this repair station under W/O #0837859 dated 11-21-08, signed 

Indianapolis Aviation, Inc/Indianapolis Metropolitan Airport  
9913 Willowview Road, Fishers IN 46038  
FAA Approved Repair Station #AIHR-109C

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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I certify the tests and inspections required by FAR 91.411 and 91.413 were performed in accordance with FAR 43 Appendix E and F. WO # 09-39026

Altimeter #1 Make United Model 5934P S/N K4465

Altimeter #2 Make            Model            S/N           

Encoder Make Amerikity Model AK 350 S/N 329130

Transponder #1 Make Garmik Model GTX 330 S/N 84115376

Transponder #2 Make            Model            S/N           

Test Alt.	#1	#2	Test Alt.	#1	#2	Test Alt.	#1	#2
-1000	+5		4000	+20		18,000	+10	
0	+0		6000	+10		20,000	+10	
500	+10		8000	+10		22,000		
1000	+10		10,000	+10		25,000		
1500	+15		12,000	+20		30,000		
2000	+20		14,000	+20		35,000		
3000	+15		16,000	+15				

Date 11/10/09 By  Indianapolis Aviation Inc. CRS AIHR109C



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

Date: 11/18/2009, Aircraft: N2149J, Type: PA28-236, S/N: 28-7911061

Total Time 2715.4, Tach 1211.8, Hobbs 1851.8

\*\*\*Airframe\*\*\*

Completed Annual inspection. Checked lights, serviced tires and battery. Cleaned and re-packed wheel bearings. Lubed flight control hinges, rod ends, cable pulleys. ADs checked thru Bi-weekly 2009-23. IFR checks due 11/2011.

Removed and replaced vacuum regulator filter w/new.

Removed and replaced instrument air filter.

Completed FAR 91.207d, ELT annual inspection. No defects noted. Next due 11/2010. Battery replacement due 7/2010.

Installed a new right main tire w/Goodyear FS II 6.00x6 6ply. Cleaned and repacked wheel bearings. Balanced tire/wheel assy.

Removed access panel. Lubricated co-pilot harness retract mechanism. Re-installed access panel. Shoulder harness retracts normally.

Adjusted door latch so that the door seals more properly and air does not leak.

Re-adjusted front co-pilot air scoop and rear pilots side so that air does not leak.

Reattached and tightened set screw on standby attitude gyro knob.

Re-rigged carb heat so that it functions properly. Ops check ok.

Cleaned connections for stall horn. Ops check ok.

Tightened three auxiliary entertainment jacks.

Serviced both left and right mains and nose struts w/nitrogen to mfr specs.

Tanis engine heat operates normally.

Installed new battery, Gill, p/n G35; s/n G02420035.

Repainted wing walk.

Re-attached fwd left lower cowl engine seal.

Removed fwd left engine baffle. Fabricated doubler patches for cracked spots. Painted baffle and re-installed.

Repaired lower tail cone aft section.

Performed FAR 91.411 and 91.413 checks IAW FAR 43 Appendix E and F.

Removed battery box. Cleaned corrosion from battery box area and painted. Re-installed battery box.

AD 84-26-02, eff date 1/29/1985, Induction air filters, due 1451.1 tach (2954.7 A/CTT).

Removed exhaust stacks for heat shroud removal. Repaired cracks on exhaust shroud. Re-installed exhaust stacks and shroud w/new hardware.

Con't next page

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

Con't from prev. page dated 11/18/2009

Removed carb air box. Installed new bushings for carb air box lever and installed a new seal for carb air box valve.

Re-installed carb air box w/new gasket and safetied.

Re-attached rubber strip for lower left cowl.

Adjusted rigging on prop control so that prop gov is hitting the stop at full travel.

Secured engine primer collar. Ops check normal.

Installed required strobe light warning placard on pilots instrument panel.

Removed pilots yoke sprocket. Re-brazed stop pin. Re-installed pilots yoke sprocket and rigged aileron system.

Installed new brake linings for right side. Conditioned new pads on final run-up.

Cleaned and lubed pins on left and right brake calipers.

Replaced 2 each nutplates for fwd side of rear seat floor.

Installed new static wick for right wing.

I certify that this Aircraft has been inspected in accordance with an

ANNUAL 100 Hr inspection and determined to be in airworthy condition. Pertinent details are on file at this agency

under W/O #07-59020. Date: 11-18-09

Signed

Indianapolis Aviation, Inc., Indianapolis Metropolitan Airport,

9913 Willowview Road, Fishers, IN 46038

FAA Approved Repair Station #AIHR-109C

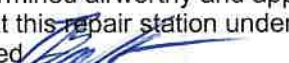
YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				

Date: 11/19/2009, Aircraft: N2149J, Type: PA28-236, S/N: 28-7911061  
Tach 1212.8 Hobbs 1853.0  
\*\*\*Airframe\*\*\*

Checked elevator trim travel. found to be within limits. Adjusted trim indicator to show correct placement of trim tab.

Raised left main strut to match right strut extension.

Checked nose strut extension, found to be within limits.

The aircraft, engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was determined airworthy and approved for return to service. Pertinent details of the repair are on file at this repair station under W/O # 09-39068 dated 11-19-09, signed 

Indianapolis Aviation, Inc/Indianapolis Metropolitan Airport  
9913 Willowview Road, Fishers IN 46038  
FAA Approved Repair Station #AIHR-109C

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


Date: 12/ 2/2009, Aircraft: N2149J, Type: PA28-236, S/N: 28-7911061

Tach 1228.6 Hpbbs 1869.1

\*\*\*Airframe\*\*\*

Lowered nose strut extension.

Copied and installed new compass deviation card.

The aircraft, engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was determined airworthy and approved for return to service. Pertinent details of the repair are on file at this repair station under W/O # 09-39086 dated 12-02-09, signed 

Indianapolis Aviation, Inc/Indianapolis Metropolitan Airport  
9913 Willowview Road, Fishers IN 46038  
FAA Approved Repair Station #AIHR-109C

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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DATE: 1/29/2010, Aircraft: N2149J, Type: PA28-236, S/N: 28-7911061  
Tach 1239.5 Hobbs 1881.6  
\*\*\*Airframe\*\*\*  
Removed cover from stabilator trim wheel. Sanded cover to clear indicator needle. Re-installed cover. Adjusted needle to match trim tab. Ops check and travel check good.

The aircraft, engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was determined airworthy and approved for return to service. Pertinent details of the repair are on file at this repair station under W/O # 10-39233 dated 01-29-10, signed [Signature]

Indianapolis Aviation, Inc/Indianapolis Metropolitan Airport  
9913 Willowview Road, Fishers IN 46038  
FAA Approved Repair Station #AIHR-109C

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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Page 1 of 1

N 2149J Time 1905.5 HOBBS Date MAY 14 2010

REMOVED BAD DIRECTIONAL GYRO MODEL 52D54 SN:63267F AND REPLACED WITH OVERHAUL EXCHANGE DIRECTIONAL GYRO MODEL 52D54M SN:23129E. RAMP TESTED AND FOUND DIRECTIONAL GYRO TO OPERATE CORRECTLY.

-----END-----

The Aircraft and/or components above was inspected in accordance with current Federal Aviation regulations, and was found airworthy for return to service.

Authorized signature [Signature] WO # 607511

Mid America Avionics, Inc.  
1365 Warren Road, Huntington, IN 46750 Telephone (260) 356-5830  
FAA certified Repair Station No. M2ZR2180





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

Date: 5/26/2010, Aircraft: N2149J, Type: PA28-236, S/N: 28-7911061

Tach 1267.9, Hobbs 1913.3

\*\*\*Airframe\*\*\*

Removed propeller. Installed new air cond. belt p/n 73965-010. Reinstalled propeller using new o-ring p/n MS28775-228. Safetied prop bolts. Adjusted tension on air cond. and alternator belts. Ran engine. Operation and leak check ok.

The aircraft, engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was determined airworthy and approved for return to service. Pertinent details of the repair are on file at this repair station under W/O # 10-39619 dated 5/26/2010, signed [Signature].

Indianapolis Aviation, Inc/Indianapolis Metropolitan Airport  
9913 Willowview Road, Fishers IN 46038  
FAA Approved Repair Station #AIHR-109C

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

Date: 11/17/2010, Aircraft: N2149J, Type: PA28-236, S/N: 28-7911061

Tach: 1310.5

\*\*\*Airframe\*\*\*

Removed DG, p/n 1U262-004-15 s/n 23129E and sent out for repair. Re-installed O/H D.G. p/n 1U262-004-15 s/n 23129E. Replaced instrument air filter p/n AAD9-18-1 and vacuum regulator filter p/n ARB3-5-1. Replaced all vacuum system hoses aft of firewall. Ran engine, ops check good.

Replaced two Scat ducts on muffler shroud w/new.

The aircraft, engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was determined airworthy and approved for return to service. Pertinent details of the repair are on file at this repair station under W/O # 10-40218 dated 11/17/2010, signed [Signature].

Indianapolis Aviation, Inc/Indianapolis Metropolitan Airport  
9913 Willowview Road, Fishers IN 46038  
FAA Approved Repair Station #AIHR-109C

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				
				<p>Date: 11/19/2010, Aircraft: N2149J, Type: PA28-236, S/N: 28-7911061 Tach: 1312.5, Hobbs: 1962.6 ***Airframe*** Resealed and serviced nose strut w/fluid and nitrogen. Adjusted carb. heat control to prevent movement by vibration. Operation check ok.</p> <p>The aircraft, engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was determined airworthy and approved for return to service. Pertinent details of the repair are on file at this repair station under W/O # <u>10-40259</u> dated <u>11/19/2010</u>, signed <u>[Signature]</u>.</p> <p>Indianapolis Aviation, Inc/Indianapolis Metropolitan Airport 9913 Willowview Road, Fishers IN 46038 FAA Approved Repair Station #AIHR-109C</p>

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				
				<p>Date: 1/5/2011, Aircraft: N2149J, Type: PA28-236, S/N: 28-7911061, Total Time 2830.7, Tach 1327.1, Hobbs 1977.8 ***Airframe*** Annual inspection completed. Packed wheel bearings. Lubed aircraft. AD's checked thru BW 2010-26. Replaced ELT battery w/new. Next replacement date 12/2012. C/W 12 Month ELT check per FAR 91.207d. Next due 01/2012. AD 2010-15-10, eff date 8/31/2010, Control wheel shafts, C/W Par (e)(1) per SB 1197B. Inspection ok. No further action required. AD 84-26-02, eff date 1/29/1985, Induction air filter, due 1451.1 Tach (2954.7 A/C TT). Replaced #1 cylinder exhaust riser w/new p/n 35904-06. <u>Control unit</u> Adjusted rudder cable tension and safetied turnbuckles. Removed exhaust system. Disassembled and cleaned. Replaced all 3 mufflers w/new. Aligned system, installed clamps. Re-assembled exhaust system and re-installed on aircraft. Adjusted stabilator trim cable tension and safetied turnbuckles. Repaired muffler shroud crack by welding. Dis-connected left flap from control rod. Inspected bearing. Found good. Replaced worn bolt w/new p/n AN23-18. Re-connected flap. Ops check good. Inspected nipples on alternator. Replaced damaged nipples w/new as needed.</p> <p>I certify that this Aircraft has been inspected in accordance with an <u>ANNUAL</u> 100 Hr inspection and determined to be in airworthy condition. Pertinent details are on file at this agency under W/O # <u>10-40310</u> Date: <u>1-5-11</u> Signed <u>[Signature]</u> Indianapolis Aviation, Inc., Indianapolis Metropolitan Airport, 9913 Willowview Road, Fishers, IN 46038 FAA Approved Repair Station #AIHR-109C</p>

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

Date: 2/15/2011, Aircraft: N2149J, Type: PA28-236, S/N: 28-7911061

Tach 1332.0 Hobbs 1984.4

\*\*\*Airframe\*\*\*

Found wire pulled from terminal on cylinder #3 CHT probe. Replaced terminal w/new and secured wire bundle. Ops check ok.

Adjusted prop low pitch stop and governor high rpm stop.

The aircraft, engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was determined airworthy and approved for return to service. Pertinent details of the repair are on file at this repair station under W/O # 11-40438 dated 2-15-11, signed [Signature].

Indianapolis Aviation, Inc/Indianapolis Metropolitan Airport  
9913 Willowview Road, Fishers IN 46038  
FAA Approved Repair Station #AIHR-109C

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

Date: 4/21/2011; Aircraft: N2149J; Type: PA28-236; S/N: 28-7911061

Tach 1355.0

\*\*\*Airframe\*\*\*

Removed engine cowling. Adjusted exhaust tailpipes to clear lower cowl openings. Repaired burned area on lower cowl forward of exhaust tailpipes. Primed and painted repaired area. Re-installed cowling.

W/O # 11-40488


Sign: [Signature]

# AT 3279252

Tom Wood Aviation/Indianapolis Metropolitan Airport  
9913 Willow View Rd Fishers, IN 46038



YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
DATE	Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)			
5/19/2011	Tach 1368.6	N2149J	PA28-236	
S/N 28-791061	Removed factory installed Landing light bulb and tied up original wiring harness. Fiberglassed knots 2U wiring harness in cowl. Installed High Intensity Discharge light assembly kit in accordance with knots 2U installation instructions PIN HFD-P-003 as stated in STC # SA01834CH, dated March 14, 2007. Completed EMI checks per section 7.0 of HFD-P-003 manual dated Feb. 17, 2009. Weight and balance N/A per section 3.0 of installation manual with kit only adding .45 lbs of weight change. Updated aircraft equipment list and added a copy of section 5.0 of the manual, Instructions for Continued Airworthiness to the aircraft P.O.H and Log books. Cowl and Engine, light ops check checked OK. Test flight checked OK - END <i>[Signature]</i> ATP 2627788 I.A.			

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				
5/25/2011	1368.6 tach	N2149J	PA28-236	SIN 28-791106
Removed stsb. trim wheel cover. Rigged trim indicator arm. Trim neutrals and throws checked OK. Removed aft bulkhead panel, serviced A/C system with 1.2 lbs R-12. A/C ops check checked OK. END - <del>the above</del> ATP 2627788				
<div style="text-align: center;">  </div>				



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

Tomlinson Avionics of Florida, Inc. 521 DANLEY DRIVE FORT MYERS, FL 33907 V6TR097X  
 LOG ID# 63 22-November-2011 WO# 87358  
 N2149J S/N 28-7911061 PIPER PA-28-236

Pg 1 / 1

REMOVED DIRECTIONAL GYRO, GARMIN GI106A NAV INDICATOR, AND ELECTRIC ATTITUDE INDICATOR. INSTALLED ASPEN EFD1000PRO PER STC#SA10822SC. ALL GND AND FLT TESTS PERFORMED AND CHECKED PER MAN. SPECS. IFR CERT ALSO PERFORMED THIS DATE. SEE AFMS, 337, AND WT. AND BALANCE FOR FURTHER DETAILS.

Signed Phillip Tomlinson Date 11-22-11

I CERTIFY THAT THE ALTIMETER, ENCODING SYSTEM AND STATIC SYSTEM TEST REQUIRED BY FAR 91.411 HAVE BEEN PERFORMED: THE ALTIMETER: PILOTS S/N K4465 COPILOTS S/N N/A ADC S/N N/A WAS/WERE TESTED TO 20 K FT  
 I CERTIFY THAT THE TRANSPONDER TEST REQUIRED BY FAR 91.413 HAS BEEN PERFORMED AND FOUND TO COMPLY  
 XPDR # 1 M/N GTX330 S/N 84115370  
 XPDR # 2 M/N S/N

SIGNATURE [Signature] DATE 11/22/11  
 TOMLINSON AVIONICS OF FLORIDA, INC.  
 521 DANLEY DR., FT. MYERS, FL. 33907  
 FAA CRS # V6TR097X

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Rep Entries must be endorsed with Name, Rating and C Technician or Repair Facility. (See back pages for oth
DATE				
				Removed Garmin gns 430 and ga 56 and installed Garmin gns 430w and ga 35 in its place per upgrade installation manual and sts sa01933la-d. Equipment list updated this date.
				Signature <u>[Signature]</u> Date <u>11-23-11</u>
				<b>TOMLINSON AVIONICS OF FLORIDA, INC.</b> PH.239-936-6969, 521 DANLEY, PAGE FIELD, FT. MYERS, FL. FAA APPROVED REPAIR STATION NO. V6TR097X

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

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

Performed complete recalibration of all headings every 30 degrees per Aspen heading calibration procedures installation manual rev W. Recalibrated vertical card compass at cardinal headings only. Recentered autopilot for proper heading and tracking.

Make: PIPER Ser. No.: 28-7911061  
 Model: PA28 Reg. Mark: N2149J  
 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.: F9680 Date: 01-06-12  
 Signed: [Signature] Inspector for  
 MUNCIE AVIATION COMPANY C.R.S.#AJVR135C  
 MUNCIE, IN 47303-9778 (765) 289-7141

Aircraft Time: 1454.6

PLEASE PLACE IN AIRCRAFT LOGBOOK

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

DI

constant  
AVIATION

4243 Eastlake Blvd. Birmingham AL. 35217 FAA CRS Y4MR806Y 205-849-3838

## AIRFRAME LOG ENTRY

Date	Registration Number	Serial Number	HOBBS	
7/20/11	N2149J	28-7911061	2059	


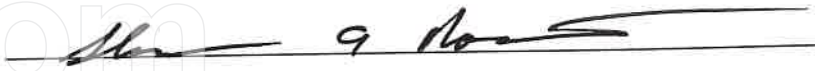
### REPAIRED THE FOLLOWING ITEMS:

1. REMOVED, CLEANED, GAPPED, AND REINSTALLED BOTH SPARK PLUGS ON THE #3 CYLINDER. GROUND RAN ENGINE. NO DEFECTS NOTED.

I certify that this aircraft, airframe, aircraft engine, propeller, or appliance has been inspected and repaired in accordance with current Federal Aviation Administration regulations and is approved for return to service. Pertinent details are on file at this station under work order: M21076

Authorized Signature: [Signature] Date: 7/20/11  
 Jonathon Rudy



YEAR: DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				<b>Tail No.: N2149J      Date: 2/2/2012      Tach: 1461.9</b> <b>2965.4 A/TT    2125.2 Hobbs      2965.4 E/TT 1040.8 TSMOH</b>				<b>May 13, 2012      1508.3 tach      N2149J      PA-28-236      Airframe</b>
				Removed mag & c/w AD2005-12-06. Next due 500 hour. 1961.8 tach. See engine log for details. C/W AD84-26-02 eff. date 01/29/1985 by replacing induction airfilter P/N P13-6602. Next due 500 hour, 1961.8 tach, 3465.4 A/TT. Lubed primer and reinstalled. Installed new valve core in RH main strut. Leak check, checked ok. Installed new 1/4 turn stud on LH main wheel pant. Replaced 2 missing rivets on LH forward engine baffle. Rigged stabilator trim to prevent LH cable turnbuckle from hitting aft pulley. Trim tab throws checked ok per MM 27-31-00 Fig 27-15. Removed battery. Painted vent drains with battery box paint. Installed battery and battery cover with new stud. Tightened co-pilot seat back release knob set screw. Cleaned connections and rheostats on panel for instrument and panel lights. Removed muffler shroud installed correct hardware and reinstalled. Cleaned fuel screen. Leak checked. Checked ok.				Removed Lt and Rt main gear wheel fairings. Jacked aircraft. Removed Lt. and Rt. main wheel assemblies, cleaned and inspected wheels and brake discs, both checked ok. Repacked wheel bearings with Mobil 28 grease. Installed new Goodyear Flight Special II tires, 6.00 - 6, 6 ply. Balanced wheel assemblies and installed on aircraft. Lt tire serial number unreadable except last three 718, Rt tire serial number 12097741. Installed wheel fairings. Down jacked aircraft. Removed top and bottom engine cowlings. Removed worn carb. heat cable, installed new carb. heat cable p/n 554-094, rigged air box. Adjusted carb. heat cable lever tension. Air box ops check, checked ok. Installed engine cowling. Engine run up and test flight checked ok. ----END----- --- Shane A. Norris    A&P 2627788
				I certify that this aircraft has been inspected in accordance with 100 hour / Annual Inspection and was determined airworthy and approved for return to service.				
				 <b>Shane A. Norris</b>				
				<b>AP2627788IA</b>				



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

### Log Book Entry

Make Piper	Model PA28-236	Tail # N2149J	Serial # 28-7911061	Aircraft Total Time: 2830.7 Tach: 1327.1
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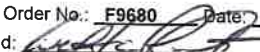
Removed existing carpet, cut, fitted and installed new Aircraft Interior Products Vanguard Jute carpet, surging where necessary. Removed existing covering from seats. Cleaned, prepped and painted seat bases, re-foamed seats and recovered with Coast to Coast Java AC-08 leather.

All materials have been tested and comply with FAR23.853. 8110-3's are on file at this repair station. The aircraft, airframe, interior or appliance identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and determined to be in air worthy condition and is approved for return to service. Pertinent details of the repair are on file at the repair station under:

Work Order #122110-1

Date 1-4-11 Signature 

**MJ Aircraft Inc.**  
**Repair Station # JH5R962M**  
**262 Airport Rd.**  
**Anderson, IN 46017**

YEAR:	Aircraft needs exchange attitude gyro as unit precesses in flight, customer deferred. Motor in roll servo needs replaced, customer deferred. Repaired cut wire in pilot's yoke, playback feature on audio panel ops checked good. Removed front & rear musica jack and installed insulated jacks, ops checked good. Customer deferred repair or replacement of clock. Repaired wiring of Aspen system, set gains for heading and course datum. Set bank angles.	Make: <u>PIPER</u> Ser. No.: <u>28-7911061</u>
DATE		Model: <u>PA28</u> Reg. Mark: <u>N2149J</u>
		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.: <u>F9680</u> Date: <u>01-06-12</u> Signed:  Inspector for MUNCIE AVIATION COMPANY C.R.S.#AJVR135C MUNCIE, IN 47303-9778 (765) 289-7141 Aircraft Time: 1475.0 PLEASE PLACE IN AIRCRAFT LOGBOOK

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

YEAR:	Aircraft needs exchange attitude gyro as unit precesses in flight, customer deferred. Motor in roll servo needs replaced, customer deferred. Repaired cut wire in pilot's yoke, playback feature on audio panel ops checked good. Removed front & rear musica jack and installed insulated jacks, ops checked good. Customer deferred repair or replacement of clock. Repaired wiring of Aspen system, set gains for heading and course datum. Set bank angles.	Make: <u>PIPER</u> Ser. No.: <u>28-7911061</u>
DATE		Model: <u>PA28</u> Reg. Mark: <u>N2149J</u>
		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.: <u>G0001</u> Date: <u>03-20-12</u> Signed:  Inspector for MUNCIE AVIATION COMPANY C.R.S.#AJVR135C MUNCIE, IN 47303-9778 (765) 289-7141 Aircraft Time: 1475.0 PLEASE PLACE IN AIRCRAFT LOGBOOK

**and Alterations**  
Certificate Number of  
er specific entries.)

DATE

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

Removed GNS430W for repair and  
installed loaner GNS430W s/n  
23401487. Reconfigured and ramp  
checked good.

Make: PIPER Ser. No.: 28-7911061

Model: PA28-236 Reg. Mark: N2149J

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.: H3076 Date: 11-05-12

Signed: [Signature] Inspector for

MUNCIE AVIATION COMPANY C.R.S. #AJVR135C

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



Aircraft Tach: 1577.3

PLEASE PLACE IN AIRCRAFT LOGBOOK

# and Alterations

icate Number of  
r specific entries.)

YEAR:

RECORDING  
TACH  
TIME

TODAYS  
FLIGHT

TOTAL  
TIME IN  
SERVICE

Description of Inspections, Tests, Repairs and Alterations

Entries must be endorsed with Name, Rating and Certificate Number of  
Technician or Repair Facility. (See back pages for other specific entries.)

DATE

Shawn G. Hume

A&P 2627788

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11/15/2012

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Shawn G. Hume

A&P 2627788

11/15/2012

PLEASE PLACE IN AIRCRAFT LOGBOOK

Removed top and bottom cowl. Removed exhaust system, repaired exhaust heat shroud, installed exhaust system with new exhaust gaskets. Remove alternator p/n ALY6422, s/n 18950 and sent to T&W for overhaul, see tag this date. Installed same alternator and tensioned alt belt per Piper Maintenance Manual. Installed new cylinder number 2 primer line. Leak check, checked ok. Removed A/C compressor, pressurized to 100 psi with nitrogen, found drive seal leaking. Installed compressor and labeled A/C system inop. Ran engine, aircraft charging system checked ok. Torqued exhaust nuts. Installed cowl, aircraft test flight checked ok. -----  
Shane A. Norris A&P 2627788

A 22



YEAR:	RECORDING TACH	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				<p>*****<b>MUNCIE AVIATION COMPANY C.R.S. # AJVR135C</b>*****</p> <p>Removed roll servo s/n 28418A and replaced motor. Cleaned clutch capstan, copper and carbon discs. Set clutch tension to factory specs. Reinstalled roll servo and set bridle cable tension.</p> <p>Removed radio coupler 1C388 s/n P19718G. Replaced with exchange unit s/n P16665G. Aligned autopilot on ground check.</p> <p>Removed GTX330 s/n 84115370, upgraded software to version 6.2 per Garmin SB1153, Rev. A, and reinstalled. Rewired RS232 altitude data as needed for proper altitude information to the MX20.</p> <p>Ramp checked good. Static leak checked good. System ops checked good.</p> <p>Aircraft Tach: 1563.3</p> <p>PLEASE PLACE IN AIRCRAFT LOGBOOK</p> <p>Make: <u>PIPER</u> Ser. No.: <u>28-7911061</u>  Model: <u>PA28-236</u> Reg. Mark: <u>N2149J</u>  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. <u>G0816</u> Date: <u>9-26-12</u>  Signed: <u>[Signature]</u> Inspector for  MUNCIE AVIATION COMPANY C.R.S.#AJVR135C  MUNCIE, IN 47303-9778 (765) 289-7141 <b>MAC</b></p>

YEAR:	RECORDING TACH	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
10/17/2012	N2149J	PA-28-236	S/N 28-7911061	1566.0 TACH
				<p>Removed top and bottom cowl. Placed aircraft on grease plates. Installed new nose gear right hand steering bungee part number 352262-02. Rigged nose gear and steering system per MM 32-22-00, page 32-14 and page 32-15.</p> <p>Removed aft bulkhead panel. Rigged rudder cables, rudder throws, nose gear steering throws, and rudder cable tensions per Piper MM 27-21-00, page 27-21, 27-22, 27-23, 27-24, 27-25, 27-26, 27-27, and Figure 27-12. Installed turnbuckle safety clips on both rudder cable turnbuckles. Replaced LH bungee bolt p/n AN 3-16A and lock nut.</p> <p>Replaced Rh bungee bolt p/n AN 3-16A and aft bolt p/n AN 3-6A. Closed aft bulkhead panel. Tailed aircraft down.</p> <p>Removed shimmy dampener, dampener ops check, checked ok. Installed new dampener bolts, p/n AN3-16A and AN3-13. Replaced shimmy dampener spacer p/n 63900-41. Installed and torqued dampener hardware. Replaced nose wheel steering stop pin p/n MS20392-3C59. Steering rig checked ok. Inflated and statically balanced nose tire.</p> <p>Cleaned and inspected nose wheel, checked ok. Cleaned and repacked nose wheel bearings with Mobil 28 grease. Installed wheel assembly and wheel pant. Lowered nose gear to grease plates. Removed nose wheel strut scissors.</p> <p>Removed six each brass spacers. Installed two each brass spacers in each scissor joint, p/n 452-766. Installed scissor links with new bolts, p/n AN 3-31A, AN5-31A, and, AN 5-20A. Installed bottom engine cowl. Removed prop gov. p/n F-4-21, s/n B5090U, sent to ASI for repair. See FAA form 8130 attached this date. ASI W.O. 150631. Installed same repaired prop governor with new gasket. Ran engine and set max RPM. Installed top cowl. Performed taxi test on nose gear. No shimmy noted. Test flew aircraft, prop redline checked ok. No indication of hunting or sluggish prop. Test flight, checked ok. Removed top cowl, engine and prop gov. leak checked ok. -----END-----</p> <p>Shane A. Norris A&amp;P 2627788 <u>[Signature]</u></p>



11/15/2012 N2149J PA-28-236 S/N 28-7911061 1577.4 tach 2252.1 Hobbs A/TT 3081.0  
ANNUAL INSPECTION IFR checks due 11/2013 ELT Battery due 1/2015

Completed Annual inspection. Opened airframe and jacked aircraft. Repacked main wheel bearings with Mobil 28 grease, cleaned brake pins and lubed. Installed new brake linings on left and right main gear, Cleveland p/n 66-105. Installed new brake disc Cleveland p/n 164-20 on both main wheels. Cleaned, inspected, and balanced main wheel assemblies and installed. Conditioned brake linings on run up. Topped brake reservoir with 5606. Serviced right main gear strut with nitrogen to spec per aircraft maintenance manual. Inflated tires to manufacture specs. Lubed pulleys, rod ends, and hinges. Checked cable tensions per Piper MM 27-02-00, 27-13-00, and 27-31-00. Checked ok, used tensiometer p/n T5-2002-101-00, s/n 21460, cal due 8/17/2013. Cleaned fuel strainer and saftied. Leak check, checked ok. Removed ELT, installed new ELT battery, p/n BP-1026, battery expires 1/2015. Complied with FAR 91.207D, 1,2,3, and 4, checked ok, next due 11/2013. Installed turn limit placards on nose strut and wheel fairing assembly. Installed Dynamic Solutions Microvib II prop balance kit, s/n 1046, cal due 2-2-2013. Performed prop balance, see sheet attached. Prop balanced down to .04 IPS after adding permanent weight to spinner bulkhead. Checked Tach reading with prop balance machine, read as followed, tach 700/ actual 727.8, 1000/ 1062, 1500/ 1580.4, 2000/2105, 2100/ 2206, 2200/ 2314, 2330/2400. Adjusted prop gov. to hold engine rpm to max red line. Adjusted stall warning switch per maintenance manual 27-91-00, to come on earlier, flight check, checked ok. Installed new Gill G-35 battery, s/n G02732366. Installed new stud, p/n 2600-7W, and four stud retainer clips on battery box. Installed new vac. system regulator filter p/n B3-5-1 and new central filter p/n AA D9-18-1. Installed new oil cooler Niagara Thermal Products, p/n 20003A, s/n E11-9830-23, leak check, checked ok. Installed new right rear baffle p/n 65097-02. Installed new GE 1940 bulb in rotating beacon, ops check, checked ok. ----CONTINUED  
NEXT PAGE-----

YEAR:

TOTAL  
TIME IN  
SERVICE

**Reference of Major Repairs and Major Alterations To**

FAA Form ACA-337 by Date, or to the Work Order by Number and the Approving Agency

11/15/2012

N2149J

1577.4 tach

ANNUAL CONTINUUED

Closed airframe. AD's checked thru 11/15/2012. Complied with Piper Mandatory Service Bulletin 1244, by inspecting steel spar plates for corrosion, checked free of corrosion. Treated with corrosion preventer. Next due 11/2013 (AV8) A.D. 2005-12-06 mag impulse due 1961.8 tach. A.D. 84-26-02, effective date 1/27/1985, paper air filter element due 1961.8 tach. I certify that this aircraft has been inspected in accordance with a 100 hour / Annual Inspection and was determined airworthy and approved for return to service, END-----

Shane A. Norris

A&P 2627788 I.A.

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

Removed loaner GNS430W and  
reinstalled repaired GNS430W  
s/n 97129569. Reconfigured and  
ramp checked good.

Make: PIPER Ser. No.: 28-7911061

Model: PA28-236 Reg. Mark: N2149J

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.: H3076 Date: 12-14-12

Signed: *Shane A. Norris* Inspector for

MUNCIE AVIATION COMPANY C.R.S. # AJVR135C

Aircraft Tach: 1597.6  
PLEASE PLACE

14. Certifies the items listed below are in condition for safe operation

- ☐ Approved design data and are in condition for safe operation  
☐ Non-approved design data specified in block 13

15. Authorized Signature

N / A

16. Approval/Authorization No.:  
N / A

18. Date (m/d/y)

N / A





YEAR:

TOTAL  
TIME IN  
SERVICE**Manufacturers' Mandatory Service Bulletins**

Chronological Listing of Compliance and Method of Compliance

DATE



**Anderson Aircraft Services**  
**282 Airport Rd**  
**Anderson, IN 46017**

**Tail No.: N2149J****Date: 7/12/2013 Tach: 1645.8**

Drained oil from engine crankcase. Removed and replaced oil filter with new AA48103-2 filter. Cut old filter open and inspected for metal; none noted. Serviced engine with 10 quarts of Aeroshell 15W-50 oil. Lubricated waste gates. Engine run normal; no leaks detected. Compression Check: #1) 76/80, #2) 72/80, #3) 70/80, #4) 75/80, #5) 75/80, #6) 72/80.

  
**Eric M. Wilson****AP3063927IA**