

# AIRCRAFT LOG

| Date                   | Aircraft Time     |       | Recorder Reading | Maintenance  |
|------------------------|-------------------|-------|------------------|--|
|                        | This Date         | Total |                  |  |
| DEC 02 1998            | Brought Forward → | 8.9   |                  | <p>I HAVE INSPECTED THIS AIRCRAFT AND ISSUED A STANDARD AIRWORTHINESS CERTIFICATE</p> <p>DATED <b>DEC 02 1998</b>, I/A/W FAR 21.183(a) PER 21.273.</p> <p><u>John S. Hambleton</u> FAA DOA SO-1<br/>JOHN S. HAMBLETON</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>35,000</u> FT. ON(L) <u>7/13/98</u> (R) <u>8/13/98</u></p> <p>SIGNED <u>John S. Hambleton</u> DATE <b>DEC 02, 1998</b><br/>JOHN S. HAMBLETON</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>The ELT is installed per FAR 91.207. Battery replacement date <u>12/2000</u></p> <p><u>John S. Hambleton</u><br/>D.C.A. No. SO-1<br/>The New Piper Aircraft, Inc.</p> </div> |
| Total To Carry Forward |                   | 8.9   |                  |  |

JOHN S. HAMBLETON

and Remarks

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 KING Model KT-76C S/N 6131

2. Make N/A Model N/A S/N N/A

Details of this inspection are on file at this facility under

S/N 3449093 Date 12/1/98

Q.A. Inspector John S. Hambleton

THE NEW PIPER AIRCRAFT, INC.  
VERO BEACH, FLORIDA

JOHN S. HAMBLETON

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

DATE: 10/19/98 SIGNED: John S. Hambleton

Signature

Certificate



## AIRCRAFT LOG

| Aircraft Time                                   |       | Recorder Reading | Maintenance   |
|---|-------|------------------|---|
| This Date                                       | Total |                  |   |
| Brought Forward →                               | 9.8   |                  | INSTALLED SKYWATCH, WX500, CIP                      |
| ADC 2000 AND <sup>RGC</sup> GRC 250 PROVISIONS. |       |                  | SKYWATCH INST.                                      |
| IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION  |       |                  | INSTRUCTIONS AND APPLICABLE FAR'S. ALL EQUIP        |
| INTERFACED TO EXISTING EQUIP WHERE NECESSARY    |       |                  | PER MANUFACTURER'S INSTRUCTIONS. PERFORMED          |
| TRANSPONDER/ENCODER CORRELATION AND A/C         |       |                  | STATIC SYSTEM LEAK CHECKS AS REQUIRED. A/C          |
| WEIGHT AND BALANCE AND EQUIPMENT LIST           |       |                  | AMENDED TO REFLECT THIS INSTALLATION. SKYWATCH      |
| AND RGC 250 CIRCUIT BREAKERS TIE-WAPPED TO      |       |                  | PREVENT POWER APPLICATION. A/C GROUND RUN, FUNCTION |
| CHECKED AND FLOWN. SEE FAA FORM 337             |       |                  |   |
| DATED 12/23/98 FOR PARTICULARS.                 |       |                  |   |
|   |       |                  |   |
|   |       |                  |   |

Registration No. N612RB

| and Remarks  | Signature        | Certificate No. |
|--|------------------|-----------------|
| AIM 1100, KR87, ARGUS 7000 C/E, KAS 297B/KEA130A, GC360A, AS PROVISIONS ONLY AT THIS TIME. ALL WORK PERFORMED  |                  |                 |
| IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS AND APPLICABLE FAR'S. ALL EQUIP  |                  |                 |
| PER MANUFACTURER'S INSTRUCTIONS. PERFORMED   |                  |                 |
| STATIC SYSTEM LEAK CHECKS AS REQUIRED. A/C   |                  |                 |
| AMENDED TO REFLECT THIS INSTALLATION. SKYWATCH   |                  |                 |
| PREVENT POWER APPLICATION. A/C GROUND RUN, FUNCTION  |                  |                 |
| Maintenance Release: The aircraft and/or component identified herein, was repaired and inspected in accordance with current FAA Regulations and was found airworthy for return to service. Permanent details of the repair are on file at this agency under this work order # <u>09078</u> |                  |                 |
| Date: <u>12/23/98</u> Inspector: <u>Kepewsky</u>   |                  |                 |
| SUN AVIATION   | FAA CRS ECWR470D |                 |

Date: 3/9/99  
Hobbs: 58.0

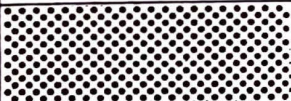
Airframe  
PA34-220T

N 612RB  
Aircraft SN: 3449093

**MAINTENANCE RELEASE:** This aircraft, airframe, aircraft engine, propeller or appliance identified below was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved to return to service. All work was performed in accordance with applicable aircraft, engine and or appliance maintenance manuals and instructions. Pertinent details are on file at the repair station office.

Performed a **50 hour inspection** IAW Piper Maintenance Manual. Serviced main battery. Checked hydraulic system. Inspected main landing gear group. Checked operation of cockpit instruments/lights & cabin lights. Checked cabin & crew seat belts. Aired tires. Operation checked satisfactory. **C/W Piper SI 1021 in accordance with Teledyne Continental SB 98-18,** number one & 3 cylinder intake tube modification, installed (1) each Piper PN 37499-03, 454-935, MS35207-263, AN960-10L and (1) each MS20365-1032C, also installed (1) Teledyne Continental kit PN EQ6977.  
**W.O. # 09524**

Signature *[Signature]* ECWR470D  
Sun Aviation, Inc. Municipal Airport, Vero Beach, FL 32961 (561) 562-9257

|                        |   |             |                 |                       |
|------------------------|---|-------------|-----------------|-----------------------|
| SB98-18                | CROSS REF   | ENGINE LOGS | & SB COMPLIANCE | 612RB - <u>BINDER</u> |
| Total To Carry Forward |  |             |                 |                       |



Registration No. N 612RB

and Remarks

Signature

Certificate No.

te: 3/25/99

**Airframe Log**  
**PA34-220T**

**N 612RB**  
**Aircraft SN: 3449093**

**MAINTENANCE RELEASE:** This aircraft, airframe, aircraft engine, propeller or appliance identified below was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved to return to service. All work was performed in accordance with applicable aircraft, engine and or appliance maintenance manuals and instructions. Pertinent details are on file at the repair station office.

Installed Puls-lite Unit, Model 1210/2405-2A, in accordance with STC # SA4005NM. The unit was installed according to instructions in the Precise Flight Installation Manual Model 1210/2405-2A, PN PPRI-3000 dated 10/96, and guidance in FAA Advisory Circulars 43.13-1A, chapter 11, and 43.13-2A, chapter 1 & 2. A complete operational test was performed according to Puls-lite 1210/2405-2A Installation Manual PN PPRI-3000 10/96. The equipment performed satisfactorily and did not adversely affect existing components or systems in the aircraft, as required by FAR 23.1301, FAR 23.1431 (or FAR 25.1301, FAR 25.1431 as applicable). The aircraft equipment list was revised to reflect these changes; weight & balance data was revised and placed in the aircraft records. W.O. 09078

Signature *RCT Peasley* **ECWR470D**  
in Aviation, Inc, Municipal Airport, Veer Beach, FL 32961 (561) 562-9257

# AIRCRAFT LOG

| Date                   | Aircraft Time      |                           | Recorder Reading           | Maintenance               |
|------------------------|--------------------|---------------------------|----------------------------|---------------------------|
|                        | This Date          | Total                     |                            |                           |
|                        | Brought Forward →  |                           |                            |                           |
| <u>3/26/99</u><br>Date | <u>842RB</u><br>N# | <u>PA 34-220T</u><br>Make | <u>3449093</u><br>Serial # | <u>61.5</u><br>Tachometer |

## "SUPPLEMENTAL LOG ENTRY"

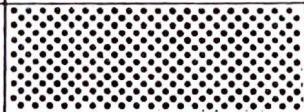
REPLACED R/WING Sump DRAIN

*[Signature]*

APP 263691481

Aircraft Maintenance Specialists Installed leaking Sump Drain  
prior to Flight to Arizona

Total To  
Carry Forward





Timmerman Field  
Milwaukee, WI

## GRAN-AIRE, INC.

F.A.A. APPROVED REPAIR STATION NO. AZOR351C

Phone: (414) 461-3222  
Fax: (414) 461-8207

7/28/99 Hobbs 95.5 hrs. Completed 50hr inspection and servicing requirements per service manual. Cleaned and inspected fuel strainers. Replaced vacuum reg. filters. Complied with A.D. 99-14-01 dated 8/17/99 by inserting a copy of the A.D. into the AFM. (Flight in icing conditions). No further action required.

With respect to the work performed on this aircraft and/or engine identified above, Gran-Aire inspected and/or repaired it in accordance with Federal Aviation Regulations and found it airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 8222.

Date 7/28/99

Signed

*Craig Stanley*

# AIRCRAFT LOG

| Date | Aircraft Time |       | Recorder Reading | Maintenance |
|------|---------------|-------|------------------|-------------|
|      | This Date     | Total |                  |             |

## SKYCOM AVIONICS, INC.

### AIRCRAFT LOG ENTRY

Description of work done:

N # 612RB

REPLACED INTERMITTENT KING KA-33 COOLING FAN WITH NEW KING KA-33 COOLING FAN. REWIRED A+ AND GROUND CONNECTION INTO 2-PIN DISCONNECT. REPLACED INLINE FUSE HOLDER WITH NEW FUSE HOLDER AND HOOKED UP TO AVIONICS BUSS. PRIOR CONNECTION WAS TO 1A ENCODER CIRCUIT BREAKER. FUNCTION TESTED SYSTEM AND FOUND TO MEET MPS.  
---END---

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details are on file at this agency under the following work number.

Date: 8-17-99 Tach: 101.5 W.O. 101981 Signed [Signature]



**TIMMERMAN FIELD**  
9305 W. APPLETON AVE.  
MILWAUKEE, WI 53225  
(414) 463-8180  
☐ F.A.A. No. NC5R062N



**CRITES FIELD**  
501 BLUEMOUND RD.  
WAUKESHA, WI 53188  
(414) 521-8180  
☐ F.A.A. No. NC5D062N



**DANE COUNTY AIRPORT**  
3430 MILLER STREET  
MADISON, WI 53704  
(608) 246-8180  
☐ F.A.A. No. NC53062N



Date: 12/17/99  
Hobbs: 119.8  
TTAF: 119.8

Airframe Log  
PA34-220T

N 612RB  
S/N: 3449093  
In service date 1/15/98

**MAINTENANCE RELEASE:** This aircraft, airframe, aircraft engine, propeller or appliance identified below was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved to return to service. All work was performed in accordance with aircraft, engine and or appliance maintenance manuals and instructions. Pertinent details are at the repair station office.

Performed an annual inspection, IAW piper inspection report 5-20-00. C/W FAR 91.207 (D), next test due date 12/00. ELT battery due date 01/01. C/W Piper SB 1038 inspection and bulkhead, replaced LH spinner bulkhead, installed new PN 100738-005. C/W Piper SL 1035 replaced shielded wiring. C/W Piper VSP 120, TCM SIL 99-7 and Precision Automotive SIL RS46, Rev. Engine. Replaced LH main landing gear brake linings. C/W SIB 1023 Inspected main landing 07/98. Serviced main battery. Serviced brake reservoir. Jacked aircraft, inspected and lubricated checked emergency extension operation. A.D.'s researched through Rev. 99.24 W.O. # 10

Signature [Signature] ECWR470D  
Sun Aviation, Inc, Municipal Airport, Vero Beach, FL 32961 (561) 562-9257

Date: 3/1/00  
Hobbs: 133.8  
TTAF: 133.8

Airframe Log  
PA34-220T

N 612RB  
S/N: 3449093  
In service date 1/15/98

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C/W Piper SB 1039 manifold pressure gauge wiring modification. WO 10933

Signature [Signature] ECWR470D  
Sun Aviation, Inc, Municipal Airport, Vero Beach, FL 32961 (561) 562-9257

### SERVICEABLE PART

Customer NEW PIPER  
Ser. No. 55533  
Part Name 413-0150 (H)  
Date 4/17/98

A 2977

Order No.

Signed



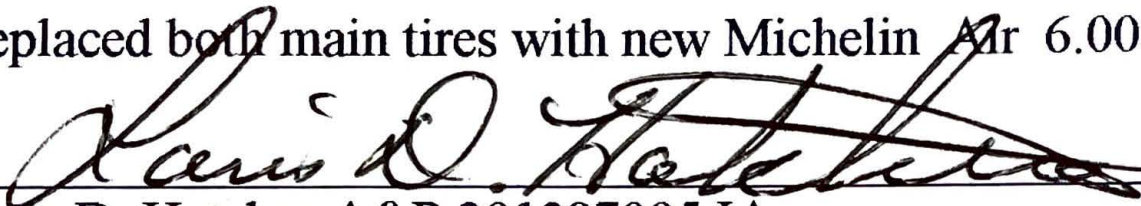
FAA Approved Repair Station JQ6R648N  
10714 S. Township Road.  
Canby, Or. 97013  
(503)266-3959

Date: 03/15/2000

N612RB

Hobbs - 138

Replaced both main tires with new Michelin Air 6.00 - 6 - 8 and packed wheel bearings.

  
Laris D. Hatcher A&P 291387095 IA

9 22 0000

Part 1: 1000 encoding altimeter King: KEA130A, S/N

240711, 1000 factory warranty exchange King: KEA130A,

S/N 129711

S/N 129711, 1000 factory warranty exchange King: KEA130A,



State: 1000

Part 2: 1000 encoding altimeter King: KEA130A, S/N

North County General Aviation Airport

CRS 1000



Registration No.

N612RB

and Remarks

Signature

Certific

The following Altimeter(s), Altitude Encoder(s)  
and Static Pressure System(s) have been tested  
in accordance with FAR 91.411 and conforms to  
FAR PT. 43, Appendix E & F

#1 Alt. Model: KEA130A S/N: X 29771 To: 35,000 FT

#2 Alt. Model: 5934PAD-3 S/N: 403741 To: 35,000 FT

Encoder Model: KEA130A S/N: X 29771 To: 35,000 FT

W.O.# 12462 Date: 12/18/00 Inspector: RC Penley

SUN AVIATION

FAA CRS ECWR470D

The following Transponder(s) have been tested  
in accordance with FAR 91.413 and conforms to  
the specifications set forth in FAR PT. 43  
Appendix F

#1 Model: KT 76C S/N: 6131

#2 Model: — S/N: —

W.O.# 12462 Date: 12/18/00 Inspector: RC Penley

SUN AVIATION

FAA CRS ECWR470D

Registration No. N612RB

Make/Model PIPER PA34-220T

Serial No. 3449093

Time 206.7



Reg. No. N612RB

Date 10/30/00

### Log Book Entry

C/W SB 1041, INSPECTION OF INSTRUMENT VACUUM FILTER. REMOVED FILTER AND CLEANED CONTAMINATION AND SURROUNDING LINES. REINSTALLED FILTER AND PERFORMED OPERATIONAS CHECKS. THE AIRCRAFT IS APPROVED FOR RETURN TO SERVICE. END

Work Order 16578

Authorized Signature

A handwritten signature in black ink, appearing to be 'B. J. [unclear]', written over a horizontal line.

F.A.A. Certified Repair Station WD4R618M

**Banyan Air Service**

1575 W. Commercial Blvd. Ft. Lauderdale, Fla 33309 954-491-3170 Fax 954-491-1612



## AIRCRAFT LOG

Date: 01/04/01

Airframe Log

N 612RB

Hobbs: 222.1

PA34-220T

S/N: 3449093

TTAF: 222.1

In service date 12/2/98

**MAINTENANCE RELEASE:** This aircraft, airframe, aircraft engine, propeller or appliance identified below was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. All work was performed in accordance with applicable aircraft, engine and or appliance maintenance manuals and instructions. Pertinent details are on file at the repair station office.

**Performed an annual inspection, IAW piper inspection report 5-20-00. C/W FAR 91.207 (D),** functionally tested ELT system, **next test due date 12/01. ELT battery due date 01/01. C/W Piper SB 1042** inspected de-ice heated panel & no defects found. **C/W Piper SL 1031** installed fuel pump cooling inlet kit PN 766-678. Replaced LH propeller de-ice harness. Jacked aircraft, inspected and lubricated gear. Cycled gear and checked emergency extension operation.

**A.D.'s** researched through Rev. 20.26 ALT/TRSP due 12/02 W.O. #12437

Signature



ECWR470D

Sun Aviation, Inc, Municipal Airport, Vero Beach, FL 32961 (561) 562-9257

Date: 5/4/01

HM: 256-3

N612RB

S/N: 3449093



LOG BOOK ENTRY

Removed ART2000 RT s/n 3589 unit for repair. Placarded radar indicator inoperative.

MAINTENANCE RELEASE

The Airframe Or Appliance Identified Above Was Repaired And Inspected In Accordance With Current Maintenance Rules Of The Federal Aviation Regulations And Is Approved For Return To Service. Pertinent Details Of This Repair Are On File At This Repair Station Under Work Order No. 1002289.

Signed by:

A handwritten signature in dark ink, appearing to be "J. E. [unclear]".

2470038

5/4/01

for

Knox-Air, Inc. 2221 Airport Highway, Alcoa, TN 37701. CRS # RE4R489M



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

and Remarks

Signature

Certificate No.

6-5-01 Removed And Replaced RH Gear Retract Actuator  
Hobbs 276.4 P/N 455-994 Bled system And serviced Power Pack,  
Bobby Smith for Cherokee Aviation

Date: 6/26/01  
Tach: 287.4 (HM)

Reg: N612RB  
S/N: 3449093



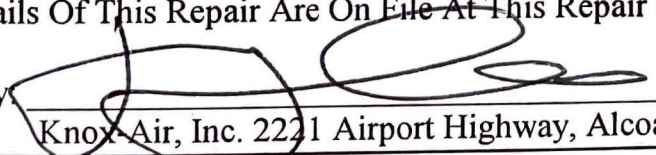
LOG BOOK ENTRY

Removed loaner ART2000 RT unit, refitted factory repaired unit S/N 3859, ramp checked, O.K.

MAINTENANCE RELEASE

The Airframe Or Appliance Identified Above Was Repaired And Inspected In Accordance With Current Maintenance Rules Of The Federal Aviation Regulations And Is Approved For Return To Service. Pertinent Details Of This Repair Are On File At This Repair Station Under Work Order No. 102293.

Signed by

 2470035 6/26/01 for  
Knox Air, Inc. 2221 Airport Highway, Alcoa, TN 37701. CRS # RE4R489M

Sparta, TN.

Jan. 08, 2002

Hobbs, 399-1

W.O. RF-0168

P.V. 34

N574JD

Complied with an Annual Inspection. Removed all required access panels. Inspected A/cft. I.A.W. Manufactures Checklist. Reinstalled all access panels. Serviced and tested A/cft. Battery. Replaced and Tested H.L.E. Battery. I.A.W. FAR 91-207. Battery due change FEB. 2004. Lubricated A/cft. I.A.W. Manufactures Chart. Operational checked all A/cft. Lights. Replaced D.G. with OVERHAULED D.G. P/N 1262-001-1, S/N 197920. Ops. checked good. Replaced Vac. Filters, Lt. and Rt. P/N 638873 and 23-5-1. Replaced A/C Compressor Drive Belt P/N 73265-006. All A.D. complete through approach # 2001-26. I certify this Airframe has been Inspected I.A.W. a Annual Inspection and found to be in an Air worthy condition.



Glyn Roe

FAA CRS# N9VR081



# Averitt Aviation

Spokane, In

JAN 18 2012

Hobbs 399

81-34

81-411

Averitt N number 5612118 changed to N574JD on MAY 21 2011 per FAA ACAA0504-04



Shu-Rue

LA 100 5558

**N574JD**

***Signature***  
**Flight Support**

**Installed** a new pneumatic solenoid in left system. Tested system and ops  
Checked normally. Replaced left and right top fuel cell panel gaskets with  
New.

**Maintenance Release**

The work identified above was performed and inspected in accordance  
with current Federal Aviation Regulations and was found airworthy for  
return to service , **W.O. # MEM 3497 Hobbs: 422.2 Date: 01/25/2002**

**Signed:**



**Signature Flight Support – Memphis. Repair Station # FKWR938D**



**N574JD**

Removed left propeller, replaced left propeller bulkhead with a new unit. Reinstalled propeller in accordance with maintenance manual. Repaired one prop heat harness from boot to bulkhead. Replaced landing and taxi lamps with new. Removed and reinstalled nose strut assembly after repair ,(see tag and repair order from KOSOLA and assoc.). serviced nose strut to specs. Performed retraction test and system ops checked normally. Removed and reinstalled audio panel after repair. Removed left and right engine fuel servos and sent for repair IAW Precision Air-motive SIL RS-60. (see FAA form 8130-3).

**Maintenance Release**

The work identified above was performed and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service **W.O. # MEM3573 Hobbs: 448.0 Date: 02/27/2002**

**Signed:**



Signature Flight Support – Memphis. Repair Station # FKWR938D

# AIRCRAFT LOG

| Recorder Reading | Maintenance                   |
|------------------|-------------------------------|
| 568.6            | REPAIRED BRAKE LININGS ON R & |

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

| and Remarks   | Signature |
|---|-----------|
| L GEAR W RA 56.105 LININGS (8)<br>(USED 2 .025" SHIMS RA. SIDE) | David B   |



# Altimeter/Static System Certification

**Merlin's Avionics Service**

**Nashville Int'l Airport**

**Nashville, Tennessee**

**FAA CRS #Z6MR586Y**

**MAS Form #4**

Work Order No. 984

Acft.Reg.No. N574JD

Aircraft Type Seneca V

Altimeter Position #2

Altimeter P/N# 5934 PAD-3

S/N# 403741

Date 12-27-02

Signed Merlin Grigsby

| Altitude | Reading      | Tol | Altitude | Reading      | Tol | Friction | Tol.           | Press                                    | Diff. (Tol. 25 Ft.) |
|----------|--------------|-----|----------|--------------|-----|----------|----------------|--|---------------------|
| -1000    | <u>-1000</u> | 20  | 14,000   | <u>13970</u> | 100 | 1K       | <u>+20</u> 70  | 28.10                                    | <u>-1727</u> -1727  |
| 0        | <u>0</u>     | 20  | 16,000   | <u>15980</u> | 110 | 2K       | <u>+20</u> 70  | 28.50                                    | <u>-1340</u> -1340  |
| 500      | <u>500</u>   | 20  | 18,000   | <u>17960</u> | 120 | 3K       | <u>+20</u> 70  | 29.00                                    | <u>-863</u> -863    |
| 1000     | <u>1000</u>  | 20  | 20,000   | <u>19960</u> | 130 | 5K       | <u>+15</u> 70  | 29.50                                    | <u>-392</u> -392    |
| 1500     | <u>1500</u>  | 25  | 22,000   | /            | 140 | 10K      | <u>+20</u> 80  | 29.92                                    | <u>0</u> 0          |
| 2000     | <u>2000</u>  | 30  | 24,000   | /            | 155 | 15K      | <u>+20</u> 90  | 30.50                                    | <u>531</u> +531     |
| 3000     | <u>3000</u>  | 30  | 26,000   | /            | 160 | 20K      | <u>+10</u> 100 | 30.90                                    | <u>893</u> +893     |
| 4000     | <u>4000</u>  | 35  | 30,000   | /            | 180 | 25K      | /              | 30.99                                    | <u>974</u> +974     |
| 6000     | <u>5990</u>  | 40  | 35,000   | /            | 205 | 30K      | /              | Case Leak (FPM Tol. 100 Ft.)<br><u>0</u> |                     |
| 8000     | <u>7990</u>  | 60  | 40,000   | /            | 230 | 35K      | /              |  |                     |
| 10,000   | <u>9980</u>  | 80  | 45,000   | /            | 255 | 40K      | /              |  |                     |
| 12,000   | <u>11980</u> | 90  | 50,000   | /            | 280 | 50K      | /              |  |                     |

Hysteresis: 1st Test Point @ 50% of Max. Alt. (Tol. 75 Ft.) +20  
 2nd Test Point @ 40% of Max. Alt. (Tol. 75 Ft.) +15

After Effect (Tol. 30 Ft.)  
+10

This Altimeter/Static System meets the requirements of FAR 91.411 and FAR Part 43, Appendix E.



ACFT SN#  
3449093

# Altimeter/Static System Certification

HOBBS  
0585.7

Merlin's Avionics Service

Nashville Int'l Airport

Nashville, Tennessee

FAA CRS #Z6MR586Y

MAS Form #4

Work Order No. 984

Acft.Reg.No. N574JD

Aircraft Type Seneca V

Altimeter Position #1

Altimeter P/N# KEA 130A

S/N# X29771

Date 12-27-02

Signed Merlin Grigg

| Altitude | Reading | Tol | Altitude | Reading | Tol | Friction | Tol. | Press | Diff. (Tol. 25 Ft.) |
|----------|---------|-----|----------|---------|-----|----------|------|-------|---------------------|
| -1000    | -1000   | 20  | 14,000   | 13990   | 100 | 1K +15   | 70   | 28.10 | -1727 -1727         |
| 0        | 0       | 20  | 16,000   | 15980   | 110 | 2K +10   | 70   | 28.50 | -1340 -1340         |
| 500      | 500     | 20  | 18,000   | 17980   | 120 | 3K +10   | 70   | 29.00 | -863 -863           |
| 1000     | 1000    | 20  | 20,000   | 19970   | 130 | 5K +10   | 70   | 29.50 | -392 -392           |
| 1500     | 1500    | 25  | 22,000   | /       | 140 | 10K +15  | 80   | 29.92 | 0 0                 |
| 2000     | 2000    | 30  | 24,000   | /       | 155 | 15K +10  | 90   | 30.50 | 531 +531            |
| 3000     | 3000    | 30  | 26,000   | /       | 160 | 20K +10  | 100  | 30.90 | 893 +893            |
| 4000     | 4000    | 35  | 30,000   | /       | 180 | 25K      | 120  | 30.99 | 974 +974            |
| 6000     | 6000    | 40  | 35,000   | /       | 205 | 30K      | 140  |       |                     |
| 8000     | 8000    | 60  | 40,000   | /       | 230 | 35K      | 160  |       |                     |
| 10,000   | 10000   | 80  | 45,000   | /       | 255 | 40K      | 180  |       |                     |
| 12,000   | 11990   | 90  | 50,000   | /       | 280 | 50K      | 250  |       |                     |

Hysteresis: 1st Test Point @ 50% of Max. Alt. (Tol. 75 Ft.) +15

2nd Test Point @ 40% of Max. Alt. (Tol. 75 Ft.) +10

Case Leak (FPM Tol. 100 Ft.)

0

After Effect (Tol. 30 Ft.)

+10

This Altimeter/Static System meets the requirements of FAR 91.411 and FAR Part 43, Appendix E.



# Transponder Certification

## Merlin's Avionics Service

Nashville Int'l Airport Nashville, Tennessee

FAA CRS #Z6MR586Y

MAS Form #3

Work Order No. 984 Acft.Reg.No. N574JD  
Aircraft Type Seneca V Transponder Position #1  
Transponder P/N# KT76C S/N# 6131

I certify the ATC Transponder tests and inspections required by FAR 91.413 were performed this date and found to comply with Part 43, Appendix F.

Details of this inspection are on file at this repair station.

Date 12-27-02

Signed

Merlin Guyot

# HIGHLAND AVIATION, 2409 SPARTA HIGHWAY, CROSSVILLE TN 38572

DATE 01-04-03 N574JD PA-34-220T S/N 34-3449093 HOBBS 585.7 ACTT 585.7  
Complied with an Annual inspection on this aircraft. Researched all Airworthiness Directives to date. **Compliance with AD 93-24-14 Nose Landing Gear Drag Link Bolt Replacement due @ 619.8 TT.** Secured the pilot and copilot's oxygen bottles to the cabin floor. Serviced the hydraulic system with MIL-5606. Performed an inspection of the ELT battery in accordance with FAR 91-207. **Battery change due FEB. 2004.** Replaced both vacuum regulator filters p/n B3-5-1. Replaced the gyro filter p/n D9-18-1. I certify this aircraft has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition. END.

JOHN KEIGANS AP257351579IA



04/11/03  
4375 NE 48<sup>TH</sup> AVE  
GAINESVILLE, FL 32609

N:574JD  
MAKE:PIPER  
MODEL:PA-34-220T  
S/N:3449093  
TACH/HOBBS: 619.8  
W/O#:078-2

- 1) COMPLIED WITH PIPER SB 1127 PER KIT INSTALLATION A-107 FOR HEATER FUEL PUMP

R SCOTT LAMBERT AP264335121



WILLISTON JET, INC  
1800 SW 18<sup>TH</sup> AVE  
WILLISTON, FL 32696  
352-529-2075

-----AIRFRAME ENTRY-----

DATE: 05/16/03

N-574JD

Tach/ Hobbs: 0622.5

1. Complied with A.D. 93-24-14, Replaced Nose Gear Drag Link Bolt with new P/N: 400-274 Bolt and P/N: 400-396 Nut. Cycled gear, OPS. Check good.
2. Adjusted Main gear toe-in.
3. Cleaned and treated De-Ice Boots.

-----END-----

*Edd Taylor*

: Edd Taylor; A.&P.#1754462

Total To  
Carry Forward






Registration No.




N574JD

WILLISTON JET, INC  
1800 SW 18<sup>TH</sup> AVE  
WILLISTON, FL 32696  
352-529-2075

-----AIRFRAME ENTRY-----

Date: 02/02/04 N-574JD Tach/Hobbs:0 697.9 ACTT: 0697.9  
Completed 100 Hour/Annual Inspection and additional maintenance in accordance with Piper Service Manual. Complied with Kelly Aerospace Service Letter, A-107A, by visual Inspection. A.D. 03-11-14, Previously complied with by Gulf Atlantic Aviation by compliance with Piper MSB 1127A,04/11/03. Replaced right and left vacuum regulator filters P/N: B3-5-1. Lubed all controls, complied with Piper MSB 1048 by lubricating control cables with grease at pulleys. Replaced ELT Battery P/N:452-0130, Expires March, 2006 and inspected in accordance with FAR 91-207. Replaced right and left Main tires with new 6.00x6 8ply Michelin Air tires P/N: 070-317-0 and new Michelin tubes P/N: 092-315-0. Completed Nose Gear Inspection in accordance with Piper MSB1123. Installed new AN3-11A bolt in FWD end of nose gear actuator and New AN23-25 clevis bolt in nose gear retraction link and adjusted down lock link, Repositioned nose gear track and cycled gear. Operational check good. Nose Gear Drag Link Bolt replacement due 1122.5 hours. All A.D.'s complied with through 2004-02. I Certify This AIRFRAME has been inspected in accordance with current Federal Aviation Regulations and is returned to service.

 : Edd Taylor, A.&P.# 1754462

| nature  | Certificate No. |
|---|-----------------|
| <p>I CERTIFY THAT THIS AIRCRAFT <del>ENGINE</del> HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIR WORTHY CONDITION.</p> <p>DATE: 2/5/04 BY: JAC/ST/697.9<br/>SIGN <input checked="" type="checkbox"/> SIGN LIC: A3P1864410 ICA</p> <p><br/><br/></p> |                 |

DATE: 13 April 2005

HOBBS: 803.7

This aircraft inspected in accordance with an ANNUAL Inspection. See 100 hour Inspection for work accomplished. AD 04-14-12 Complied with in accordance with AD instructions and SB 1139A. Complied with SB 1146 (Vertical fin aft Spar) in accordance with instructions contained in service bulletin. ADs checked by records and visual inspection through 2005-7. This aircraft considered airworthy, and is returned to service.

  
James L Smith 2687833

# AIRCRAFT LOG


| Date | Aircraft Time |       | Recorder Reading | Maintenance |
|------|---------------|-------|------------------|-------------|
|      | This Date     | Total |                  |             |


***Williston Jet Inc, 1800 SW 18<sup>th</sup> Ave, Williston, Fl 32696***

**Airframe (N574JD)**

**Model - Piper, PA-34-220T    Serial Number - 7184    ATT 803. 7**

1. 100-hour inspection accomplished IAW Piper maintenance manual..
2. AD's checked for applicability.
3. Replaced right brake linings. Ops check ok.
4. Aircraft lubed and all wheel bearings packed.
5. Landing gear retracted and extended. Ops check ok.

Returned to service airworthy 

 *W. Burns*  
J. Burns - A/P2630089, 13 April 2005



The ATC transponder tests and inspections required by FAR 91.413 were performed this date and found to comply with FAR 43, Appendix F. Encoder was checked IAW FAR 43, Appendix E. Paragraph C. I certify that the static pressure system(s) and encoder(s) were tested and checked IAW FAR 43, Appendix E paragraph C and comply with FARs 91.411 and 91.217.

#1 Transponder KT-76C S/N 6131

#2 Transponder                      S/N                     

L/H Altimeter S/N X29771 tested to 25,000 ft

R/H Altimeter S/N 403741 tested to 25,000 ft

Encoder S/N X29771 tested to 25,000 ft

WO# 12104 Date 5/11/2005

Signature 

QUEST AVIONICS, INC.

FAA Repair Station QVNR604L, Ocala, FL 34474

N5745D

Notes 0806.8



Athens Turboprop Management, Inc.

970 Ben Epps Drive · Athens, GA 30605 · 706-546-7969

## Airframe Log Entry

|              |         |             |            |               |       |
|--------------|---------|-------------|------------|---------------|-------|
| <b>ACFT:</b> | N574JD  | <b>MFG:</b> | PIPER      | <b>HOBBS:</b> | 933.8 |
| <b>DOM:</b>  | 1997    | <b>M/N:</b> | PA-34-220T | <b>LDGS:</b>  | 933.8 |
| <b>DATE:</b> | 11-2-05 | <b>S/N:</b> | 3449093    | <b>AFTT:</b>  | 933.8 |

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1. SERVICED ALL LANDING GEAR STRUTS WITH NITROGEN AND CLEANED STRUTS WITH 5606.
2. WASHED AIRCRAFT AND SHAMPOOED CARPETS.
3. COMPLIED WITH AD-2005-13-16 BY NEW PIPER AIRCRAFT MB 1123A. REMOVED STEERING CHANNEL ASSEMBLY AP/MN 95394-000 AND REPLACED WITH LATEST REVISION AP/MN 95394-005. FOUND NOSE LANDING GEAR BOLT AP/MN AN7-35 TO BE REPLACED PREVIOUSLY PER SB1123, NEXT REPLACEMENT AT 1122.5 HOURS.
4. COMPLIED WITH STC #693CE (BRACKET AIR FILTERS). INSTALLED L/H AND R/H BRACKET AIR FILTERS AP/MN BA-104 IAW STC 693CE INSTRUCTIONS WITH NO DEFECTS NOTED. SEE FAA FORM 337.





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**Airframe Log Entry**

|       |         |      |            |        |       |
|-------|---------|------|------------|--------|-------|
| ACFT: | N574JD  | MFG: | PIPER      | HOBBS: | 933.8 |
| DOM:  | 1997    | M/N: | PA-34-220T | LDGS:  | 933.8 |
| DATE: | 11-2-05 | S/N: | 3449093    | AFTT:  | 933.8 |

5. REMOVED AND REPLACED LEFT ENGINE INDUCTION HOSES WITH NEW P/N 566-315. OS CHECK GOOD.
6. REMOVED AND REPLACED AIR CONDITIONING BELT WITH NEW P/N 73965-006.

ALL WORK PERFORMED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND PIPER SENECA V MAINTENANCE MANUALS. THIS AIRCRAFT HAS BEEN INSPECTED, DETERMINED TO BE IN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE.

Samuel R. Humbles AP240113770IA



LOG

| Order<br>ding | Maintenance            |
|---------------|------------------------|
|               | ALL HORIZON ANALOG     |
|               | CORRECTLY AS PER       |
|               | PIPER PART # 96003-000 |
|               | PER SERVICE BULLETIN   |
|               | LT + RT MAIN TIRES     |
|               | MICHLEIN AIR           |
|               |                        |
|               |                        |
|               |                        |
|               |                        |
|               |                        |
|               |                        |

and Remarks

ENGINE INSTRUMENTS READ  
 PIPER SERVICE BULLETIN # 1081  
 FM5 TALLER CORRECTLY AS  
 H 1100 A  
 4 TUBES CHANGED  
 6.00 X 6 X 8  
 David B. Stegerson D#P1821216

GARDNER AVIATION SPECIALIST, INC. 500 AVIATION WAY B-5 PEACHTREE CITY, GA 30269 G3SR222J  
LOG ID# 2413 16-November-2005 WO# 20772/1 REF# 20772 HOBBS 934.7  
N574JD S/N 3449093 PIPER PA-34-220T

Pg 1

REMOVED KLN90B, KX155A, KN72, KA92 AND GC360A. INSTALLED NEW GARMIN GNS530 SN#78414921 NAV/COM/GPS UNIT. INTERFACED WITH CURRENT HSI & CURRENT KFC150 AUTOPILOT. CERTIFY GPS SYSTEM FOR IFR FLIGHT. OPS CHECK GOOD.  
WEIGHT & BALANCE UPDATED. SEE FORM 337 FOR DETAILS.

  
SAMUEL M. NIPPER G3SR222J Date

GARDNER AVIATION SPECIALIST, INC. 500 AVIATION WAY B-5 PEACHTREE CITY, GA 30269 G3SR222J  
LOG ID# 2569 24-February-2006 WO# 21061/1 REF# 21061 HOBBS 977.5  
N574JD S/N 3449093 PIPER PA-34-220T

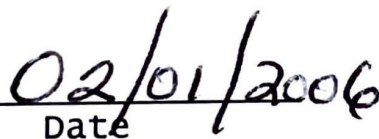
REMOVED DEFECTIVE KC 192 PN:065-0042-15 SN:1763. INSTALLED RENTAL UNIT SN:50661. OPS CHECK GOOD. SHIPPED DEFECTIVE UNIT TO FACTORY FOR REPAIR. RECEIVED UNIT BACK REPAIRED FROM HONEYWELL ON THEIR WO#A83421. REMOVED RENTAL UNIT SN:50661 AND REINSTALLED CUSTOMER'S REPAIRED UNIT SN:1763 BACK INTO AIRCRAFT. LEAK CHECKED PER 91.411. OPS CHECKED GOOD.

  
SAMUEL M. NIPPER G3SR222J Date 02/24/06

GARDNER AVIATION SPECIALIST, INC. 500 AVIATION WAY B-5 PEACHTREE CITY, GA 30269 G3SR222J  
LOG ID# 2525 01-February-2006 WO# 20975/1 REF# 20975 HOBBS 957.8  
N574JD S/N 3449093 PIPER PA-34-220T

REMOVED BENDIX/KING ART2000, P/N:071-0159-01, S/N: 3859, AND INDICATOR IN182A, P/N: 066-3084-32, S/N: 24145. REPLACED FAULTY FUSE F1, BUT FOUND STALIZATION INOP AND FALSE RETURNS ON RIGHT SIDE OF INDICATOR DISPLAY. SENT BOTH UNITS OUT FOR REPAIR. RECEIVED BOTH UNITS BACK REPAIRED. REINSTALLED UNITS BACK INTO AIRCRAFT IN SAME LOCATION. OPS CHECK GOOD.

  
SAMUEL M. NIPPER G3SR222J

  
Date

|  |  |  |
|--|--|--|
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |





Athens Turboprop Management, Inc.

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## Airframe Log Entry

|       |          |      |            |        |        |
|-------|----------|------|------------|--------|--------|
| ACFT: | N574JD   | MFG: | PIPER      | HOBBS: | 1001.6 |
| DOM:  | 1997     | M/N: | PA-34-220T | LDGS:  | 1001.6 |
| DATE: | 03-23-06 | S/N: | 3449093    | AFTT:  | 1001.6 |

1. REMOVED DATA CARD FROM GARMIN GNS 530. UPDATED, REINSTALLED CARD. OPS CHECK GOOD.
2. JACKED AND REMOVED R/H MLG TIRE/WHEEL ASSY AND REPLACED WITH NEW TIRE AND TUBE IAW PIPER SENECA M/M, CH. 7.

ALL WORK PERFORMED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND PIPER SENECA V MAINTENANCE MANUALS. THIS AIRCRAFT HAS BEEN INSPECTED, DETERMINED TO BE IN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE.

*Samuel R. Humble*

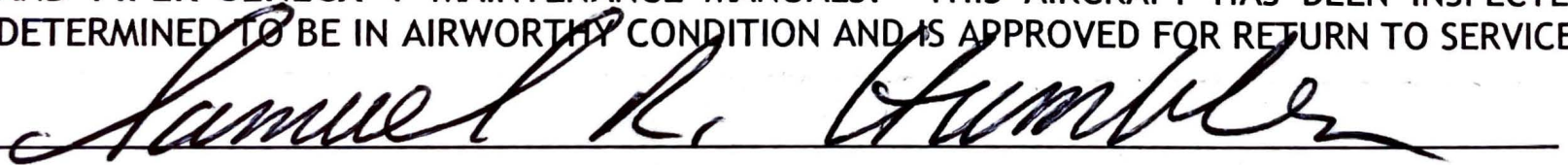
**ACFT:** N574JD  
**DOM:** 1997  
**DATE:** 03-23-06

**MFG:** PIPER  
**M/N:** PA-34-220T  
**S/N:** 3449093

**HOBBS:** 1001.6  
**LDGS:** 1001.6  
**AFTT:** 1001.6

1. REMOVED DATA CARD FROM GARMIN GNS 530. UPDATED, REINSTALLED CARD. OPS CHECK GOOD.
2. JACKED AND REMOVED R/H MLG TIRE/WHEEL ASSY AND REPLACED WITH NEW TIRE AND TUBE IAW PIPER SENECA M/M, CH. 7.

ALL WORK PERFORMED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND PIPER SENECA V MAINTENANCE MANUALS. THIS AIRCRAFT HAS BEEN INSPECTED, DETERMINED TO BE IN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE.

A handwritten signature in black ink, reading "Samuel R. Humbles", is written over a horizontal line.

Samuel R. Humbles AP240113770IA



# Airframe Log Entry

|       |          |      |            |        |        |
|-------|----------|------|------------|--------|--------|
| ACFT: | N574JD   | MFG: | PIPER      | HOBBS: | 1040.8 |
| DOM:  | 1997     | M/N: | PA-34-220T | LDGS:  | 1040.8 |
| DATE: | 04-14-06 | S/N: | 3449093    | AFTT:  | 1040.8 |

1. UPDATED GPS MONTHLY SUBSCRIPTION.

ALL WORK PERFORMED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND PIPER SENECA V MAINTENANCE MANUALS. THIS AIRCRAFT HAS BEEN INSPECTED, DETERMINED TO BE IN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE.

*Samuel R. Humble*





Athens Turboprop Management, Inc.

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**Airframe Log Entry**

|              |          |             |            |               |        |
|--------------|----------|-------------|------------|---------------|--------|
| <b>ACFT:</b> | N574JD   | <b>MFG:</b> | PIPER      | <b>HOBBS:</b> | 1088.2 |
| <b>DOM:</b>  | 1997     | <b>M/N:</b> | PA-34-220T | <b>LDGS:</b>  | 1088.2 |
| <b>DATE:</b> | 05-27-06 | <b>S/N:</b> | 3449093    | <b>AFTT:</b>  | 1088.2 |

- 1- PERFORMED ANNUAL INSPECTION IAW PIPER MAINTENANCE MANUALS.
- 2- REMOVED NLG WHEEL BEARINGS. CLEANED AND INSPECTED BEARING WITH NO DAMAGE NOTED. REPACKED BEARINGS WITH GREASE AND INSTALLED ON WHEEL. REMOVED NLG TIRE AND WHEEL ASSY AND REPLACED TIRE AND TUBE WITH NEW.
- 3- REMOVED L/HANDR/H MLG BRAKE PADS. INSTALLED NEW BRAKE PADS ON BRAKE ASSYS. TORQUED BRAKE ASSY BOLTS TO PIPER SERVICE MANUAL SPECIFICATIONS.
- 4- REMOVED AND REPLACED COCKPIT INSTRUMENT AIR FILTER WITH NEW P/N D9-18-1.
- 5- REMOVED MAIN BATTERY AND SERVICED WITH ELECTROLYTES. CHARGED MAIN BATTERY. REINSTALLED MAIN BATTERY IN AIRCRAFT. OPS CHECK GOOD.



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## Airframe Log Entry

|       |          |      |            |        |        |
|-------|----------|------|------------|--------|--------|
| ACFT: | N574JD   | MFG: | PIPER      | HOBBS: | 1088.2 |
| DOM:  | 1997     | M/N: | PA-34-220T | LDGS:  | 1088.2 |
| DATE: | 05-27-06 | S/N: | 3449093    | AFTT:  | 1088.2 |

- 6- CLEANED AND REINSTALLED L/H AND R/H AIRFRAME FUEL STRAINERS.
- 7- PERFORMED NOSE WHEEL ASSY BALANCING. BALANCED IN LIMITS IAW PIPER SERVICE MANUAL. REINSTALLED NLG TIRE AND WHEEL ASSY IAW PIPER SERVICE MANUAL.
- 8- INSTALLED NEW ELT BATTERY, BATTERY NEXT DUE 4-15-08. FUNCTIONAL TESTED ELT BATTERY IAW 91.207. REINSTALLED ELT ACCESS PANEL.
- 9- SERVICED HYDRAULIC POWER PACK RESEVOIR WITH HYDRAULIC FLUID 5606.
- 10- PERFORMED EMERGENCY DEPLOYMENT OF LANDING GEAR IAW PIPER SERVICE MANUAL.
- 11- PERFORMED NORMAL OPERATION OF LANDING GEAR SYSTEM. OPERATIONALLY CHECKS GOOD IAW PIPER SERVICE MANUAL.



Athens Turboprop Management, Inc.  
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**Airframe Log Entry**

|       |          |      |            |        |        |
|-------|----------|------|------------|--------|--------|
| ACFT: | N574JD   | MFG: | PIPER      | HOBBS: | 1088.2 |
| DOM:  | 1997     | M/N: | PA-34-220T | LDGS:  | 1088.2 |
| DATE: | 05-27-06 | S/N: | 3449093    | AFTT:  | 1088.2 |

- 12- REMOVED AIR CONDITIONING COMPRESSOR AND REINSTALLED WITH NEW SHIMS FOR DRIVE BELT WEAR. INSTALLED NEW AIR CONDITIONING DRIVE BELT WITH NO DEFECTS NOTED.
- 13- SERVICED NOSE TO 40 PSI AND MLG TIRES TO 55 PSI IAW PIPER SERVICE MANUAL.
- 14- REMOVED AND REPLACED L/H AND R/H AIR INLET FILTERS WITH NEW P/N BA-3.

ALL WORK PERFORMED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND PIPER SENECA V MAINTENANCE MANUALS. THIS AIRCRAFT HAS BEEN INSPECTED, DETERMINED TO BE IN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE.

Samuel R. Humbles AP240113770IA



# AIRCRAFT LOG

| Date | Aircraft Time |       | Recorder Reading | Maintenance |
|------|---------------|-------|------------------|-------------|
|      | This Date     | Total |                  |             |



**Athens Turboprop Management, Inc.**  
 970 Ben Epps Drive · Athens, GA 30605 · 706-546-7969  
**Airframe Log Entry**

|       |         |      |            |        |        |
|-------|---------|------|------------|--------|--------|
| ACFT: | N574JD  | MFG: | PIPER      | HOBBS: | 1088.5 |
| DOM:  | 1997    | M/N: | PA-34-220T | LDGS:  | 1088.5 |
| DATE: | 5-27-06 | S/N: | 3449093    | AFTT:  | 1088.5 |

1. REMOVED LEFT AND RIGHT WING LEADING EDGES AND FAIRINGS AND RIGHT NLG DOOR. REINSTALLED ALL PARTS AFTER PAINT.
2. REMOVED AND REPLACED 12 EACH RIVNUTS IN LEFT AND RIGHT INBD AND OUTBOARD WING TO NACELLE FAIRINGS.
3. WASH AND DETAIL AIRCRAFT - INTERIOR AND EXTERIOR.

ALL WORK PERFORMED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND PIPER SENECA V MAINTENANCE MANUALS. THIS AIRCRAFT HAS BEEN INSPECTED, DETERMINED TO BE IN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE.

*Samuel R. Humbles*

Samuel R. Humbles AP240113770IA

To  
y Forward

# AIRCRAFT LOG

ARDNER AVIATION SPECIALIST, INC. 500 AVIATION WAY B-5 PEACHTREE CITY, GA 30269  
OG ID# 2969 29-September-2006 WO# 21660/1 REF# 21660 HOBBS 1095.5  
574JD S/N 3449093 PIPER PA-34-220T

Pg 1/1

PERFORMED INSPECTION OF FLIGHT CONTROLS PER PIPER MM CH 27, PERFORMED INSPECTION OF LANDING GEAR  
STEM PER PIPER MM CH 32.

  
SR222J WILLIAM DUFFY

9-29-06  
Date

**Reg: N574JD**  
**Make: PIPER**  
**Model: PA34-220T**  
**Ser No: 3449093**

***Southern Cal Aircraft Inc.***  
***1880 Joe Crosson Drive***  
***El Cajon, Ca. 92020***  
***619-448-5010***

**Date: 11-03-2006**  
**Tach: none**  
**Hobbs: 1111.4**

Complied with AD 2005-13-16 by inspection, IAW Table 1 of Piper SB 1123A. New AN7-35 bolt, Piper p/n 400-274 and AN320-7 nut, Piper p/n 407-568 installed in upper nose gear torque link. New nose gear up stop p/n 37970-005 installed and adjusted IAW Piper service manual. Landing gear retract test performed and operational check was good.

Edward Q Hazlewood  
A&P 1655569  
Inspection Authorization



Date: 11-04-2006



Registration No. N574JD

**Reg:** N574JD  
**Make:** PIPER  
**Model:** PA34\_220T  
**Serial No.** 34-3449093

**AIRFRAME LOG**  
**Southern Cal Aircraft Inc.**  
1880 Joe Crosson Drive  
El Cajon, Ca. 92020  
619-448-5010

**Date:** 06-01-2007  
**Tach:** None  
**AFTT:** 1185.9  
**Hobbs:** 1185.9

I certify that this Aircraft has been inspected in accordance with a ANNUAL inspection procedure and determined airworthy this date.

Routine maintenance and inspection performed. All flight controls lubricated and inspected. Removed battery, cleaned and painted batt. box with acid proof paint. Replaced all pneumatic filters. Cleaned excessive hydraulic fluid from under the hydraulic power pack. Replaced left and right tire and tubes, packed wheel bearings. Replaced brake linings both sides (RA66-22). Replaced nose wheel bearings and packed. Replaced all instrument pneumatic filters (B35-1 & RAD9-18-01). Replaced two nav. bulbs. Replaced right main gear door hinge pin. Gear retract test performed and an emergency extension ops checked good. No noted power/pack leaks.

AD2005-13-16 Component failure of NLG,P/CW Log entry 11-30-2006 IAW Piper

I certify that the ELT has been inspected in accordance with the requirements of FAR section 91.207(d) and was found to be in a satisfactory condition. ELT BATT. DUE DATE: 07-2008.

Except as stated above, no other work, inspection, corrective action or determination of airworthiness was made at this time.

**Edward Q Hazlewood**  
**A&P 1655569**  
**Insp. Auth.**



**Date: 06-01-2007**



V FAR 91.407 and Sec. 5.6  
nally, safely and in  
of flight. The "GPS

EL / INST

## INSTRUMENT OVERHAUL AVIONICS

12 JOE CROSSON DRIVE, EL CAJON, CA 92020

619-258-5625

FAA REPAIR STATION 110R964X

N574JD

S/N: 3449093

HOBBS: 1203.0

DATE: 8/10/07

WORK ORDER #: 1495

The aircraft was altered in accordance with current FAA Regulations and was found airworthy with respect to the work performed and is approved for return to service.

Replaced Garmin GNS530 and GA56 GPS antenna with GNS530W and GA35 WAAS unit and antenna. Replaced KX155A with GNS 430W and GA35 WAAS unit and antenna, all IAW STC#SA01933LA. Inserted AFMS. Both GPS receivers are placarded "GPS LIMITED TO VFR USE ONLY" pending flight checks performed and signed off by an appropriately certificated airman. GPS#2 placarded "GNS430 (#2) GPS RECEIVER NOT APPROVED FOR IFR APPROACH" due to limitations of #2 indicator interface. ICA p/n 196-00356-65(for 430W) and 190-00357-65(for 530W) provided owner. Installed Icarus GPSS Steering Assist Module IAW STC# SA00243BO. Inserted AFMS. ICA p/n 025-1006 provided. Above installations documented on FAAF 337 dtd today.

The following were deemed a minor alteration using IOA Form 022 and FAR 1.1 and FAR 43 Appendix A:

Removed ADF Receiver and antenna. Removed PS6000SM Audio Panel. Installed Garmin GMS 347 Audio Panel and GTX 327 Transponder. Added switch for transponder 1-2, Music 1-2; installed Music 1 jack and telephone in jack. All equipment was installed, all materials used, and all work performed, in accordance with acceptable methods and practices as set forth in AC43.13-1B & -2A.

Authorized Individual for INSTRUMENT OVERHAUL AVIONICS



Date: 8-20-07 N574JD I certify that an operational flight check was conducted IAW FAR 91.407 and Sec. 5.6 of the Garmin 400W/500W Series Installation Manual.. The GPS system operated normally, safely and in accordance with the manufacturer's specifications during enroute and approach phases of flight. The "GPS LIMITED TO VFR USE ONLY" placard was removed.

Pilot TODD McLAUGHLIN Cert. # 2855726 Rating: PVT/MEL/INST

Static Systems and ATC Transponder test and Inspections required by FAR 91.411 & 91.413(a) have been performed and found to comply with FAR 43, Appendix E&F

Altimeter S/N in H/C (P) (CP) Tested to 20000 Feet

Encoder S/N in H/C Transponder S/N in H/C

Work Order# 50040, 50041 N# N574JD

Date: 10/16/07 Signature [Signature]

Instrument Overhaul Service of San Diego, CA, Inc.

1981 N. Marshall Ave, El Cajon, CA 92020

Phone # (619) 449-5565 FAA CERT# CB3R417L

N574JD

S/N: 3449093

The aircraft was altered in accordance with the following alterations performed and is approved for return to service. Replaced Garmin GNS530 and GA35 WA with GNS 430W and GA35 WA. Replaced "GPS LIMITED TO VFR USE ONLY" placarded "GPS LIMITED TO VFR USE ONLY" with certificated airman. GPS#2 placarded limitations of #2 indicator inter. Installed Icarus GPSS Steering. Above installations documented. The following were deemed acceptable. Removed ADF Receiver and 327 Transponder. Added switch equipment was installed, all met set forth in AC43.13-1B & -2

Authorized Individual for INS

Total To  
Carry Forward



**Reg:** N574JD  
**Make:** PIPER  
**Model:** PA34\_220T  
**Serial No.** 34-3449093

**AIRFRAME LOG**  
***Southern Cal Aircraft Inc.***  
1880 Joe Crosson Drive  
El Cajon, Ca. 92020  
619-448-5010

**Date:** 07-16-2008  
**Tach:** None  
**AFTT:** 1286.3  
**Hobbs:** 1286.3

I certify that this Aircraft has been inspected in accordance with a ANNUAL inspection procedure and determined airworthy this date.

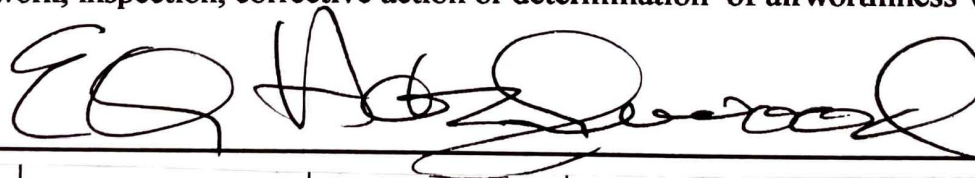
Routine maintenance and inspection performed. All flight controls lubricated and inspected. Removed battery, cleaned and painted batt. box with acid proof paint. Trouble shot vacuum system fault. Removed both vacuum regulators and cleaned and installed. Removed wing de-ice regulator valves. Ran both engines and adjusted vacuum to specs. IAW Piper Service Manual. Landing Gear retract test performed and an emergency extension ops checked good. Replaced ELT Battery. Serviced hydraulic brake reservoir.

No Applicable ADs due this date.

I certify that the ELT has been inspected in accordance with the requirements of FAR section 91.207(d) and was found to be in a satisfactory condition. ELT BATT. DUE DATE: 07 2010.

Except as stated above, no other work, inspection, corrective action or determination of airworthiness was made at this time.

**Edward Q Hazlewood**  
**A&P 1655569**  
**Insp. Auth.**



**Date: 07-16-2008**

Total To  
Carry Forward







**Northstar Aircraft Maintenance**

5600 N Hwy 95, Bldg H100  
Lake Havasu City, AZ 86404  
Ph:(928) 764-1999

Certificate No.

**Date: 7/30/2009; Aircraft: N574JD; Type: PA34-220T; S/N: 3449093; Hobbs: 1368.20; Total Time: 1368.20  
Shop Order #: HII-09-0210**

**Annual inspection completed per Piper PA-34-220T Seneca IV/V MM and FAR 43, Appendix D. C/W FAR 91.207 (d) E.L.T. inspection. E.L.T. failed "G" switch check. Removed Artex E.L.T. 110-4, S/N 55533. Owner notified aircraft is airworthy I.A.W. FAR 91.207(f)(10)(i) for a period of 90 days from this date. Installed new gaskets under left and right wing fuel transmitters. Tightened horizontal stabilizer trim tab control rod bolt and safetied. Installed new left and right brake disc and balanced tires. Installed new left and right induction air filters. Installed new nutplate for left wing leading edge panel. Charged and serviced battery with distilled water. Cleaned and serviced all wheel bearings with grease. Lubed nose gear steering collar. Lubed all flight control rod ends and bellcranks. All cable tensions found to be within specifications. Cleaned fuel strainer bowls. I certify that this aircraft was inspected I.A.W. an Annual Inspection and was determined to be in an Airworthy Condition.**

  
**Brian K. Love** I.A. 3101038



## **INSTRUMENT OVERHAUL AVIONICS**

**1952 JOE CROSSON DRIVE, EL CAJON, CA 92020**

**FAA Repair Station I10R964X**

**N574JD S/N: 344093 HOBBS: 1388.9 DATE: 11/13/09 WORK ORDER: 1837**

The aircraft and/or component identified herein was maintained/altered/repared and inspected in accordance with current FAA Regulations and was found airworthy with respect to the work performed and is approved for return to service.

Installed Garmin G-600 Integrated Flight System IAW STC SA-02153LA-D. See FAA Form 337 dated this date for details.

Installed Artex ME-406 ELT , remote switch and antenna in existing ELT locations per requirements of FAR 91.217(b). Tested IAW FAR 91.207(d) Battery due 7/2011.

Bi-Annual IFR Certification: Aircraft tested IAW FAR 91.411 (altimeter) and 91.413 (XPDRs), and found to comply with Far 43 Appendix E & F. IFR checks next due 11/2011.

Replaced pilot's instrument panel with new fabricated from same material, using Acceptable practices. All placards reapplied. No location changes to required equipment or controls.

Authorized Individual: \_\_\_\_\_





## Northstar Aircraft Maintenance

5600 N Hwy 95, Bldg H100  
Lake Havasu City, AZ 86404  
Ph: (928) 764-1999

Date: 12/30/2009; Aircraft: N574JD; Type: PA34-220T; S/N:  
3449093; Hobbs: 1403.00

Shop Order #: HII-09-0306

Serviced with electrolyte acid, charged and installed new Gill battery  
P/N G-247, S/N G01921161.

A handwritten signature in black ink, reading "Brian K. Love". The signature is written in a cursive, flowing style.

Brian K. Love

I.A. 3101038





**INSTRUMENT OVERHAUL AVIONICS**  
**1952 JOE CROSSON DRIVE**  
**EL CAJON, CA 92020**  
**619-258-5625 FAARS#110R964X**

**N574JD Hobbs/Tach: \_\_\_\_\_ W/O# \_ - Date: 3/08/2010**

The above identified aircraft, or component identified herein was repaired/altered/modified and inspected in accordance with current FAA Regulations and was found airworthy with respect to the work performed. Garmin GDU 620 software has been updated to V3.02 and the FAA Approved Flight Manual Supplement has been replaced with Supplement p/n 190-00601-01 Rev. D, all in accordance with Garmin SSB# 0943 Rev A.



**Reg: N574JD**  
**Make: PIPER**  
**Model: PA34-220T**  
**Ser. No 3449093**

**AIRFRAME LOG**  
***Southern Cal Aircraft Inc.***  
***1880 Joe Crosson Drive***  
***El Cajon, Ca. 92020***  
***619-448-5010***

**Date: 03-23-2010**  
**Tach: - - - - -**  
**AFTT: 1418.1**  
**Hobbs: 1418.1**

Replaced both main tires with new Goodyear Flight Custom III tires. Packed wheel bearings. Performed landing gear retract test for tire clearance check, all good.

Except as stated above, no other work, inspection, corrective action of determination of airworthiness was made at this time.

**Edward Q Hazlewood**  
**A&P 1655569**  
**Insp. Auth.**



**Date: 03-23-2010**

**Reg: N574JD**  
**Make: PIPER**  
**Model: PA3-220T**  
**Serial No. 34-3449093**

**AIRFRAME LOG**  
***Southern Cal Aircraft Inc.***  
***1880 Joe Crosson Drive***  
***El Cajon, Ca. 92020***  
***619-448-5010***

**Date: 08-01-2010**  
**Tach: None**  
**AFTT: 1448.0**  
**Hobbs: 1448.0**

**I certify that this Aircraft has been inspected in accordance with a ANNUAL inspection procedure and determined airworthy this date.**

Routine maintenance and inspection performed. All flight controls lubricated and inspected. Removed battery, cleaned and painted battery box with acid proof paint. Replaced vacuum filters (B35-1) ,2 each, extremely dirty. Landing Gear retract test performed and an emergency extension ops checked good. Replaced ELT access panel screws with the correct plastic screws (PS10015-B-12NA). Replaced ELT Battery. Serviced hydraulic brake reservoir.

No Applicable ADs due this date.

**I certify that the ELT has been inspected in accordance with the requirements of FAR section 91.207(d) and was found to be in a satisfactory condition. ELT BATT. DUE DATE: 11-2015**

Except as stated above, no other work, inspection, corrective action or determination of airworthiness was made at this time.

**Edward Q Hazlewood**  
**A&P 1655569**



**Date: 08-01-2010**

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

Reg: **N574JD**  
Make: **PIPER**  
Model: **PA34-220T**  
Ser. No **3449093**

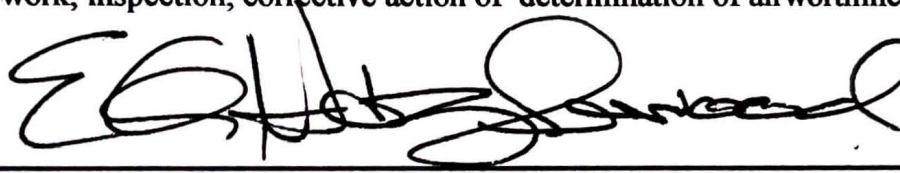
**AIRFRAME LOG**  
**Southern Cal Aircraft Inc.**  
**1880 Joe Crosson Drive**  
**El Cajon, Ca. 92020**  
**619-448-5010**

Date: **08-13-2010**  
Tach: **-----**  
AFTT: **1450.6**  
Hobbs: **1450.6**

Replaced propeller control feathering stop (78713-000).

Except as stated above, no other work, inspection, corrective action of determination of airworthiness was made at this time.

**Edward Q Hazlewood**  
**A&P 1655569**  
Insp. Auth.



Date: **08-13-2010**

I certify that the Altimeter, Automatic Pressure Altitude Reporting  
Static Systems and ATC Transponder test and Inspections required  
by **FAR 91.411 & 91.413(a)** have been performed and found to  
comply with **FAR 43, Appendix E&F**  
Altimeter S/N PFD ALT, ENC ALT SB Tested to 20000 Feet  
Encoder S/N in 4c Transponder S/N in 4c  
Work Order# 59248; 59249 N# 59249  
Date: 04/03/12 Signature [Signature]  
**Instrument Overhaul Service of San Diego, CA, Inc.**  
1981 N. Marshall Ave, El Cajon, CA 92020  
Phone # (619) 449-5565 **FAA CERT# CB3R417L**



**Reg:** N574JD  
**Make:** PIPER  
**Model:** PA3-220T  
**Serial No.** 34-3449093

**AIRFRAME LOG**  
**Southern Cal Aircraft Inc.**  
1880 Joe Crosson Drive  
El Cajon, Ca. 92020  
619-448-5010

**Date:** 09-01-2011  
**Tach:** None  
**AFTT:** 1532.8  
**Hobbs:** 1532.8

I certify that this Aircraft has been inspected in accordance with a ANNUAL inspection procedure and determined airworthy this date.

Routine maintenance and inspection performed. All flight controls lubricated and inspected. Removed battery, cleaned and painted battery box with acid proof paint. Replaced vacuum filters (B35-1 & D918-1) . Landing Gear retract test performed and an emergency extension ops checked good. C/W AD 2010-15-10 Control yoke shaft inspection, performed IAW Piper SB 1197B. Replaced missing cowl fastener on right engine aft side. Serviced hydraulic brake reservoir.

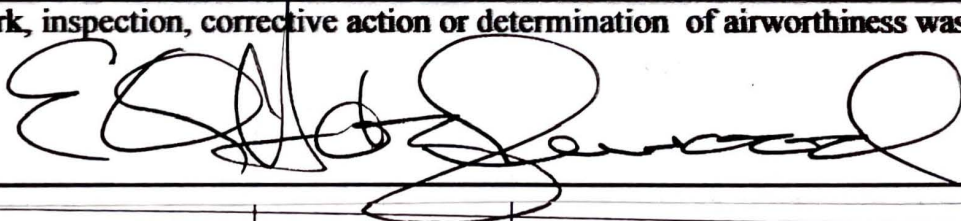
I certify that the ELT has been inspected in accordance with the requirements of FAR section 91.207(d) and was found to be in a satisfactory condition. ELT BATT. DUE DATE: 11-2015.

AD 2010-15-10 Control Yoke Shaft, C/W by inspection IAW Piper SB 1197B, Inspected good

Nothing Follows

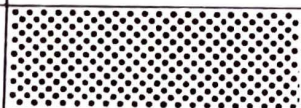
Except as stated above, no other work, inspection, corrective action or determination of airworthiness was made at this time.

**Edward Q Hazlewood**  
**A&P 1655569**  
**Insp. Auth.**



**Date:** 09-01-2011

Total To  
Carry Forward



**Reg:** N574JD  
**Make:** PIPER  
**Model:** PA3-220T  
**Serial No.** 34-3449093

**AIRFRAME LOG**  
**Southern Cal Aircraft Inc.**  
1880 Joe Crosson Drive  
El Cajon, Ca. 92020  
619-448-5010

**Date:** 10-12-2012  
**Tach:** None  
**AFTT:** 1615.8  
**Hobbs:** 1615.8

I certify that this Aircraft has been inspected in accordance with a ANNUAL inspection procedure and determined airworthy this date.

Routine maintenance and inspection performed. All flight controls lubricated and inspected. Removed battery, cleaned and painted battery box with acid proof paint. Replaced vacuum filters (B35-1 & D9-18-1) . Landing Gear retract test performed and an emergency extension ops checked good. C/W AD 2010-15-10 Control yoke shaft inspection, performed IAW Piper SB 1197B. C/W AD 2005-13-15, replaced nose gear drag link bolt (NAS6207-50D)checked torque of AN4-10C bolts. Checked stop dimension IAW figure 3A of SB 1123A. All performed IAW Piper SB 1123A. Replaced missing cowl fastener on right engine aft side. Serviced hydraulic brake reservoir. C/W AD 2005-15-10 Header fuel pump, C/W by inspection, "No Leaks" IAW Kelly Aerospace SL A-110B & Piper SB 1127B.

I certify that the ELT has been inspected in accordance with the requirements of FAR section 91.207(d) and was found to be in a satisfactory condition. ELT BATT. DUE DATE: 11-2015.

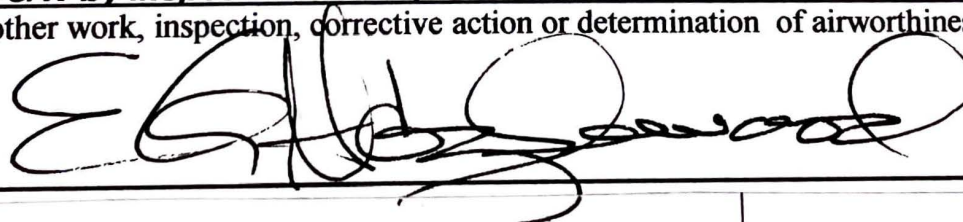
AD 2005-13-15 Nose gear drag bolts, C/W, by replacing bolts IAW Piper SB 1123A Due ea. 500 Hrs.

AD 2005-15-10 cabin heater fuel pump, C/W by inspection IAW Kelly Aerospace SLA-110B. Nothing Follows

AD 2010-15-10 Control Yoke Shaft, C/W by inspection IAW Piper SB 1197B, Inspected good Nothing Follows

Except as stated above, no other work, inspection, corrective action or determination of airworthiness was made at this time.

**Edward Q Hazlewood**  
**A&P 1655569**  
**Insp. Auth.**



**Date:** 10-12-2012



## AIRCRAFT LOG



### Northstar Aircraft Maintenance

5600 N Hwy 95, Bldg H100  
Lake Havasu City, AZ 86404  
Ph:(928) 764-1999

Date: 8/14/2013; Aircraft: N574JD; Type: PA34-220T; S/N: 3449093; Hobbs: 1667.50; Tach:  
Shop Order #: HII-13-0950

This is a permanent part of the Aircraft Records. Pertinent details of the work performed are on file at this agency. The following inspections, repairs or component part replacements were accomplished.

Removed R/H boost pump p/n 2B6-88 s/n 8AP67 and installed R/H boost pump p/n 2B6-88,s/n 10AR105. Ops check normal.

I certify this aircraft/component has been repaired and/or inspected in accordance with applicable Federal Aviation Regulations and found to be in airworthy condition with respect to the work performed.

A handwritten signature in black ink, appearing to read "Rod Carrier", is written over a horizontal line.

AP2962072

Rod Carrier

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|--|--|--|--|



**Reg:** N574JD  
**Make:** PIPER  
**Model:** PA3-220T  
**Serial No.** 34-3449093

**AIRFRAME LOG**  
**Southern Cal Aircraft Inc.**  
1880 Joe Crosson Drive  
El Cajon, Ca. 92020  
619-448-5010

**Date:** 11-21-2013  
**Tach:** None  
**AFTT:** 1678.2  
**Hobbs:** 1678.2

I certify that this Aircraft has been inspected in accordance with a ANNUAL inspection procedure and determined airworthy this date.

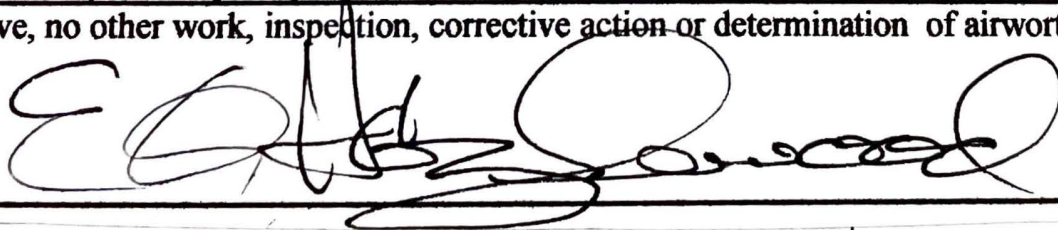
Routine maintenance and inspection performed. All flight controls lubricated and inspected. Removed battery, cleaned and painted battery box with acid proof paint. Landing Gear retract test performed and an emergency extension ops checked good. All performed IAW Piper SB 1123A. Replaced missing cowl fastener on right engine aft side. Serviced hydraulic brake reservoir.

I certify that the ELT has been inspected in accordance with the requirements of FAR section 91.207(d) and was found to be in a satisfactory condition. ELT BATT. DUE DATE: 11-2015.

|   |                         |                         |
|---|-------------------------|-------------------------|
| <u>AD 2005-13-15 Nose gear drag bolts, C/W, by replacing bolts IAW Piper SB 1123A</u>         | <u>Due Tach: 2115.8</u> | <u>Due ea. 500 Hrs.</u> |
| <u>AD 2005-15-10 cabin heater fuel pump, C/W by inspection IAW Kelly Aerospace SLA-110B.</u>  |                         | <u>Nothing Follows</u>  |
| <u>AD 2010-15-10 Control Yoke Shaft, C/W by inspection IAW Piper SB 1197B, Inspected good</u> |                         | <u>Nothing Follows</u>  |

Except as stated above, no other work, inspection, corrective action or determination of airworthiness was made at this time.

**Edward Q Hazlewood**  
**A&P 1655569**  
**Insp. Auth.**



**Date: 11-21-2013**

Dis  
tem  
7  
4-220T  
49093  
REG. NO: N574JD  
WORK ORDER: 27383



**American Aircraft Maintenance, Inc.**

Repair Station No. Z5SR421Y  
19711-B Campus Drive  
Santa Ana, CA 92707  
Phone: (949) 852-8420

DATE: 3/2/2015  
A/C TSN: 1689.2  
HOBBS: 1689.2

## Airframe Entries

Complied with an Annual inspection in accordance with FAR Part 43, Appendix D, using Piper Aircraft, Inc. Inspection Report p/n 767-012 as a guide. ELT inspection and test per FAR 91.207D not complied with at this time. Airworthiness Directives searched through bi-weekly issue 2015-04. Aircraft not airworthy. See list of discrepancies under this work order and attached to this logbook.

THIS AIRCRAFT OR COMPONENT HAS BEEN REPAIRED AND/OR INSPECTED AS OUTLINED ABOVE IN ACCORDANCE WITH CURRENT MAINTENANCE RULES OF 14 CFR. IT IS FOUND UN-AIRWORTHY AS INDICATED ON THIS WORK ORDER.

DATE: 3/2/2015

SIGNED:

Work Order: 27383

Richard Sanchez  
Certified Repair Station No. Z5SR421Y

Printed by EBis 3 (datcomedia.com)



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



Northstar Aircraft Maintenance  
5600 N Hwy 95, Bldg H100  
Lake Havasu City, AZ 86404  
Ph: (928) 764-1999

Date: 3/08/2015; Aircraft: N574JD; Type: PA34-220T; S/N: 3449093; Hobbs: 1690.80  
Shop Order #: HII-15-1261

This is a permanent part of the Aircraft Records. Pertinent details of the work performed are on file at this agency. The following inspections, repairs or component part replacements were accomplished.

1. Complied with AD2004-21-05 heater decay test per Kelly Aerospace MM 24E25-1, Section 10, Par. 10.2 and 10.3. No defects noted. Operational check normal.
2. Complied with AD2004-25-16 R1 fuel regulator shut off valve. No defects noted.
3. Complied with AD2005-13-16 nose landing gear inspection IAW Piper MSB 1123. No defects noted.
4. Complied with AD2013-02-13 inspection of stabilator control system in accordance with Piper MSB 1245A. No defects noted.
5. Complied with tests and inspection of Emergency Locator Transmitter in accordance with FAR 91.207. Next Inspection due 3-2016 Battery replacement due 11-2015
6. Installed new brake disks of left and right mains P/N 164-21600 and linings P/N 66-62. Ops check normal.
7. Fiberglass repair performed on left engine upper nose bowl flange. Reinstalled nose bowl.
8. Removed and replaced B3-5-1 filters in left and right aft nacelle.
9. Lubricated engine controls. Ops check normal.
10. Stop drilled cracks found on left hand engine firewall filled crack with firewall sealant.
10. Removed and replaced left and right engine induction air filters P/N B3 and cleaned air boxes.
11. Removed and replaced gyro filter P/N D9-18-1.

I certify this aircraft/component has been repaired and/or inspected in accordance with applicable Federal Aviation Regulations and found to be in airworthy condition with respect to the work performed.

A handwritten signature in black ink, appearing to read "Rod Carrier", is written over a horizontal line.

AP2962072

Rod Carrier

# AIRCRAFT LOG

| Date | Aircraft Time |       | Recorder Reading | Maintenance |
|------|---------------|-------|------------------|-------------|
|      | This Date     | Total |                  |             |

I CERTIFY THE TRANSPONDER WAS TESTED AS REQUIRED BY 14 CFR, 91.413 AND WAS FOUND TO COMPLY WITH APPENDIX F OF PART 43.

TRANSPONDER MODEL GTX 327 S/N 83729524

DATE: 3/5/15 A/C TACH OR HOBBS: 1690.8

W/O: 15-0005 SIGNATURE: [Signature]

ACE AVIONICS, INC. V4WR915X

I CERTIFY THE ALTIMETER, ALTITUDE REPORTING EQUIPMENT AND STATIC SYSTEM TESTS AND INSPECTIONS AS REQUIRED BY 14 CFR, 91.411 AND 91.413 HAVE BEEN PERFORMED AND THE SYSTEMS HAVE BEEN FOUND TO COMPLY WITH APPENDIX E AND F OF PART 43.

ALTIMETER P/N GDU 620 ALTIMETER S/N in A/c.

TRANSPONDER MODEL GDU 620

ALTIMETER AND ENCODER TESTED TO 20,000 FT.

DATE: 3/5/15 A/C TACH OR HOBBS: 1690.8

W/O: \_\_\_\_\_ SIGNATURE: [Signature]

ACE AVIONICS, INC. CRS# V4WR915X

I CERTIFY THE TRANSPONDER WAS TESTED AS REQUIRED BY 14 CFR, 91.413 AND WAS FOUND TO COMPLY WITH APPENDIX F OF PART 43.

TRANSPONDER MODEL KT 76C S/N 6131

DATE: 3/05/15 A/C TACH OR HOBBS: 1690.8

W/O: 15-0005 SIGNATURE: [Signature]

ACE AVIONICS, INC. V4WR915X

I CERTIFY THE ALTIMETER, ALTITUDE REPORTING EQUIPMENT AND STATIC SYSTEM TESTS AND INSPECTIONS AS REQUIRED BY 14 CFR, 91.411 AND 91.413 HAVE BEEN PERFORMED AND THE SYSTEMS HAVE BEEN FOUND TO COMPLY WITH APPENDIX E AND F OF PART 43.

ALTIMETER # 1 P/N KEA130A ALTIMETER S/N X29771

ALTIMETER # 2 P/N 5934P-3 ALTIMETER S/N 403741

TRANSPONDER MODEL GTX 327/KT 76C.

ALTIMETER AND ENCODER TESTED TO 20,000 FT.

DATE: 3/5/15 A/C TACH OR HOBBS: 1690.8

W/O: 15-0005 SIGNATURE: [Signature]

ACE AVIONICS, INC. CRS# V4WR915X





**Northstar Aircraft Maintenance**

5600 N Hwy 95, Bldg H100  
Lake Havasu City, AZ 86404  
Ph: (928) 764-1999

Date: 3/09/2015; Aircraft: N574JD; Type: PA34-220T; S/N: 3449093; Hobbs: 1690.80  
Shop Order #: HII-15-1261

This is a permanent part of the Aircraft Records. Pertinent details of the work performed are on file at this agency. The following inspections, repairs or component part replacements were accomplished.

1. Lubricated rudder trim control. Ops check normal.
2. Lubricated stabilator actuator bushings. Ops check normal.
3. Jacked aircraft lubricated main gear inboard pivot trunnions. Ops check normal.

I certify this aircraft/component has been repaired and/or inspected in accordance with applicable Federal Aviation Regulations and found to be in airworthy condition with respect to the work performed.

A handwritten signature in black ink, appearing to read "Rod Carrier", is written over a horizontal line.

AP2962072

Rod Carrier

# AIRCRAFT LOG

| Date | Aircraft Time |       | Recorder Reading | Maintenance |
|------|---------------|-------|------------------|-------------|
|      | This Date     | Total |                  |             |

**B&G Aviation LLC**

Georgetown Texas 78628 ph 512-864-7632

N574JD

SN#


Date 8/18/2015

ACTT:

HRM: 1783.6

Removed and replaced both main tires with new tires PN# 301-028-006  
Goodyear FLT custom III.

This aircraft is approved for return to service in  
regards to Work performed.

  
Bradley D Gray A&P 3135226



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

## B&G Aviation LLC

Georgetown Texas 78628 ph 512-864-7632

N574JD

ACTT:1839.7

SN# 3449093

HRM: 1839.7

Date 4/8/2016

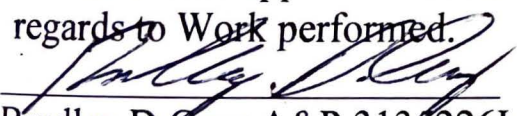
1. Researched all applicable Ads
2. Complied with AD 04-25-16R1 fuel regulator shut off valve inspection. no defects noted next due at 1939.7 or 4/2017
3. Complied with AD 05-13-16 Nose landing gear inspection. Installed a new drag brace bolt next due at 2329.7
4. Complied with FAR 91.207 d elt inspection. Installed a new battery. battery next due nov 2020
5. Replaced LH landing light
6. Replaced both taxi light bulbs
7. Repaired door seal leak at the aft door seal air hose
8. Replaced RH rpm indicator with a serviceable gage PN# 159251-3 SN#06026087
9. Cleaned center fuel drain
10. Replaced nose wheel bearings with new bearings
11. Replaced bulb and fuse for the nose baggage light
12. Removed main and nose lower landing gear leg resealed and reinstalled serviced with 5606 and nitrogen
13. Replaced both LH and RH alternate air valve outer bushings PN# 691-800
14. Accomplished a gear retraction and extension test and an emergency extension test

I certify that this aircraft has been inspected in accordance with an annual inspection

In accordance with FAR part 43 appendix d and was determined to be in airworthy condition.

This aircraft is approved for return to service in

regards to Work performed.

  
Bradley D Gray A&P 3135226IA

# AIRCRAFT LOG

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

## CENTRAL TEXAS AVIONICS, INC.

217 CORSAIR DRIVE  
GEORGETOWN, TEXAS 78628\

### LOG BOOK ENTRY

DATE: 7-19-16  
MAKE: Piper

REG. #: N574JD  
MODEL: PA-34-220T

A/C HOURS: 1841.1  
S/N: 3449093

### F.A.R. 91.411

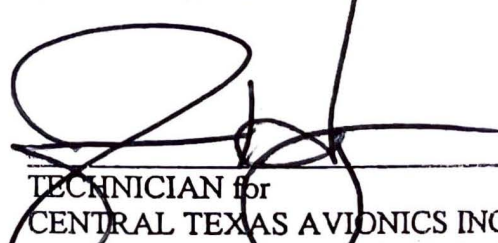
I CERTIFY THAT THE ALTIMETERS AND ALTITUDE REPORTING EQUIPMENT TESTS AND INSPECTIONS REQUIRED BY FAR/91.411 HAVE BEEN PERFORMED ON 7-19-16.

THE LEFT ALTIMETER/ADC P/N 011-00882-10 S/N 20606858 WAS TESTED TO 35,000 Ft.

THE RIGHT ALTIMETER/ADC P/N 5924PA0-3 S/N 403741 WAS TESTED TO 35,000 Ft.

THE LEFT PITOT/STATIC SYSTEM WAS LEAK TESTED ON 7-19-16. THE RIGHT PITOT/STATIC SYSTEM WAS LEAK TESTED ON       . THE SYSTEMS WERE FOUND IN COMPLIANCE.

WORK ORDER# 9746

  
 \_\_\_\_\_  
 TECHNICIAN for  
 CENTRAL TEXAS AVIONICS INC.  
 FAA REPAIR STATION #: C84R586N

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|                        |  |  |  |  |
| Total To Carry Forward |  |  |  |  |



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

and Remarks

Signature

Certificate No.

**CENTRAL TEXAS AVIONICS, INC.**

217 CORSAIR DRIVE  
GEORGETOWN, TEXAS 78628\  
**LOG BOOK ENTRY**

DATE: 7-19-16  
MAKE: Piper

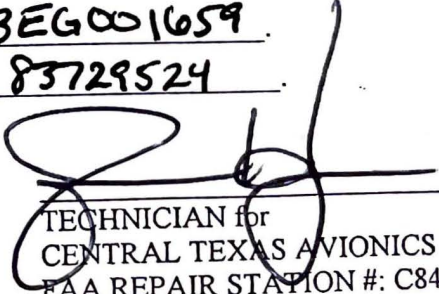
REG. #: N574JD  
MODEL: PA-34-220S

A/C HOURS: 1241.1  
S/N: 344893

**F.A.R. 91.413**

I CERTIFY THAT THE ATC TRANSPONDER TESTS AND INSPECTIONS REQUIRED BY FAR 91.413 HAVE BEEN PERFORMED ON  
7-19-16. THE INTERGRATED SYSTEM TESTS AND INSPECTIONS WERE PERFORMED ON 7-19-16.

TRANSPONDER #1 MAKE: GARMIN MODEL: GTX 345 S/N 3EG001659  
TRANSPONDER #2 MAKE: GARMIN MODEL: GTX 327 S/N 83729524

  
TECHNICIAN for  
CENTRAL TEXAS AVIONICS INC.  
FAA REPAIR STATION #: C84R586N

WORK ORDER#

9746

# AIRCRAFT LOG

## CENTRAL TEXAS AVIONICS, INC.

217 CORSAIR DRIVE  
GEORGETOWN, TEXAS 78628\

### LOG BOOK ENTRY

DATE: 7-19-16  
MAKE: Piper

REG. #: N574JD  
MODEL: PA-34-220T

A/C HOURS: 1841.1  
S/N: 3449093

### F.A.R. 91.411

I CERTIFY THAT THE ALTIMETERS AND ALTITUDE REPORTING EQUIPMENT TESTS AND INSPECTIONS REQUIRED BY FAR 91.411 HAVE BEEN PERFORMED ON 7-19-16.

THE LEFT ALTIMETER/ADC P/N 306171-00 S/N 541 WAS TESTED TO 35,000 Ft.

THE RIGHT ALTIMETER/ADC P/N 066-03064-0005 S/N X29771 WAS TESTED TO 35,000 Ft.

THE LEFT PITOT/STATIC SYSTEM WAS LEAK TESTED ON 7-19-16. THE RIGHT PITOT/STATIC SYSTEM WAS LEAK TESTED ON —. THE SYSTEMS WERE FOUND IN COMPLIANCE.

WORK ORDER# 9746

  
TECHNICIAN for  
CENTRAL TEXAS AVIONICS INC.  
FAA REPAIR STATION #: C84R586N

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|                        |  |  |  |  |
| Total To Carry Forward |  |  |  |  |



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

## B&G Aviation LLC

Georgetown Texas 78628 ph 512-864-7632

N574JD

ACTT: 1841.1


SN# 3449093

Hrm: 1841.1

Date 8/22/2016

Replaced battery with a new battery installed PN# G247 SN# G02883648

This aircraft is approved for return to service in  
regards to Work performed.

  
\_\_\_\_\_  
Bradley D Gray A&P 3135226

AIRCRAFT LOG  
**CENTRAL TEXAS AVIONICS, Inc.**  
217 CORSAIR DRIVE  
GEORGETOWN, TEXAS 78628  
**LOG BOOK ENTRY**

DATE: 8/19/2016  
MAKE: PIPER

REG. #: N574JD  
MODEL: PA-34-220T

HOBBS: 1841.1  
S/N: 3449093

**WORK PERFORMED:**


1) INSTALLED A GARMIN GI 106B COURSE DEVIATION INDICATOR P/N 013-00593-01 S/N D16-10968 AS AN APPROVED EXTERNAL INDICATOR FOR THE EXISTING GARMIN GNS 430W GPS/SBAS NAVIGATION SYSTEM. PERFORMED AN OBS CALIBRATION AND AN OPS CHECK OF THE GARMIN GI 106B COURSE DEVIATION INDICATOR AND THE GARMIN GNS 430W GPS/SBAS NAVIGATION SYSTEM. THE GARMIN GI 106B AND GNS 430W UNITS OPS CHECKED GOOD.

2) UPDATED THE GARMIN GNS 530W AND THE GARMIN GNS 430W GPS/SBAS NAVIGATION SYSTEMS MAIN SOFTWARE TO VERSION 5.30 IN ACCORDANCE WITH GARMIN STC SERVICE BULLETIN NUMBER 1618, REVISION A, DATED MARCH 10, 2016.

3) UPDATED THE GARMIN GNS 530W AND THE GARMIN GNS 430W GPS/SBAS NAVIGATION SYSTEMS GPS SOFTWARE TO VERSION 5.0 IN ACCORDANCE WITH GARMIN SOFTWARE SERVICE BULLETIN NUMBER 1315, REVISION A, DATED APRIL 30, 2013.

4) VERIFIED PROGRAMMING, REACQUIRED THE ALMANAC, AND PERFORMED OPS CHECKS OF THE GARMIN GNS 530W AND THE GARMIN GNS 430W UNITS AFTER UPDATES. THE GARMIN GNS 530W AND THE GARMIN GNS 430W GPS/SBAS NAVIGATION SYSTEMS OPS CHECKED GOOD.

THE APPLIANCES IDENTIFIED ABOVE WERE INSTALLED, UPDATED, TESTED, AND INSPECTED IN ACCORDANCE WITH THE CURRENT FEDERAL AVIATION REGULATIONS AND THE MANUFACTURER'S SPECIFICATIONS. THE AIRCRAFT HAS BEEN FOUND AIRWORTHY FOR RETURN TO SERVICE WITH RESPECT TO THE WORK ACCOMPLISHED. THE WEIGHT AND BALANCE DATA AND EQUIPMENT LIST HAVE BEEN REVISED AS NEEDED TO REFLECT THESE CHANGES. REFERENCE FAA FORM 337 DATED 7/11/2016 AND WORK ORDER # 9766 ON FILE FOR DETAILS OF WORK PERFORMED.

  
CENTRAL TEXAS AVIONICS  
FAA REPAIR STATION #: C84R586N



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

**CENTRAL TEXAS AVIONICS, Inc.**

217 CORSAIR DRIVE  
GEORGETOWN, TEXAS 78628  
**LOG BOOK ENTRY**

Signature \_\_\_\_\_

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

DATE: 8/19/2016  
MAKE: PIPER

REG. #: N574JD  
MODEL: PA-34-220T

HOBBS: 1841.1  
S/N: 3449093

**WORK PERFORMED:**

REMOVED THE R.C. ALLEN RCA22-7 ATTITUDE INDICATOR P/N 102-0041-04 S/N 99K1198G AND THE UNITED INSTRUMENTS AIRSPEED INDICATOR P/N 8125 S/N 169358.

INSTALLED A SANDIA AEROSPACE SAI 340 ATTITUDE INDICATOR P/N 306171-00 S/N 541.

THE APPLIANCES IDENTIFIED ABOVE WERE REMOVED, INSTALLED, INSPECTED, AND TESTED IN ACCORDANCE WITH THE CURRENT FEDERAL AVIATION REGULATIONS AND THE MANUFACTURER'S SPECIFICATIONS. THE AIRCRAFT HAS BEEN FOUND AIRWORTHY FOR RETURN TO SERVICE WITH RESPECT TO THE WORK ACCOMPLISHED. THE WEIGHT AND BALANCE DATA AND EQUIPMENT LIST HAVE BEEN REVISED AS NEEDED TO REFLECT THESE CHANGES. REFERENCE FAA FORM 337 DATED 8/18/2016 AND WORK ORDER # 9766 ON FILE FOR DETAILS OF WORK PERFORMED.



CENTRAL TEXAS AVIONICS  
FAA REPAIR STATION #: C84R586N

**CENTRAL TEXAS AVIONICS, Inc.**

217 CORSAIR DRIVE  
GEORGETOWN, TEXAS 78628  
**LOG BOOK ENTRY**

DATE: 8/19/2016  
MAKE: PIPER

REG. #: N574JD  
MODEL: PA-34-220T


HOBBS: 1841.1  
S/N: 3449093

**WORK PERFORMED:**

1) UPDATED THE GARMIN G600 PRIMARY FLIGHT DISPLAY (PFD) AND MULTIFUNCTION DISPLAY (MFD) SYSTEM COMPONENTS WITH THE FOLLOWING SOFTWARE VERSIONS: THE GARMIN GDU 620 PFD/MFD TO SOFTWARE VERSION 7.00 AND THE GARMIN GRS 77 AHRS TO SOFTWARE VERSION 3.04 IN ACCORDANCE WITH THE GARMIN STC SERVICE BULLETIN NUMBER 1524, REVISION A, DATED APRIL 8, 2015.

2) VERIFIED CONFIGURATION AND PERFORMED A POST INSTALLATION OPS CHECK OF THE GARMIN G600 PFD/MFD SYSTEM AFTER UPDATES AND THE SYSTEM OPS CHECKED GOOD.

THE APPLIANCES IDENTIFIED ABOVE WERE UPDATED AND TESTED IN ACCORDANCE WITH THE CURRENT FEDERAL AVIATION REGULATIONS AND THE MANUFACTURER'S SPECIFICATIONS. THE AIRCRAFT HAS BEEN FOUND AIRWORTHY FOR RETURN TO SERVICE WITH RESPECT TO THE WORK ACCOMPLISHED. REFERENCE FAA FORM 337 DATED 7/11/2016 AND WORK ORDER # 9766 ON FILE FOR DETAILS OF WORK PERFORMED.



CENTRAL TEXAS AVIONICS  
FAA REPAIR STATION #: C84R586N



**CENTRAL TEXAS AVIONICS, Inc.**

217 CORSAIR DRIVE  
GEORGETOWN, TEXAS 78628

**LOG BOOK ENTRY**

DATE: 8/19/2016  
MAKE: PIPER

REG. #: N574JD  
MODEL: PA-34-220T

HOBBS: 1841.1  
S/N: 3449093

**WORK PERFORMED:**

REMOVED THE BENDIX/KING KT 76C TRANSPONDER P/N 066-01156-0101 S/N 6131.

INSTALLED A GARMIN GTX 345 ADS-B TRANSPONDER P/N 011-03302-00 S/N 3EG001659.

**THE GARMIN GTX 345, S/N 3EG001659 ADS-B TRANSPONDER MEETS THE ADS-B OUT EQUIPMENT PERFORMANCE REQUIREMENTS OF 14 CFR 91.227 AND HAS BEEN TESTED AND INSPECTED IN ACCORDANCE WITH FAR 91.413.**

THE APPLIANCE IDENTIFIED ABOVE WAS REMOVED IN ACCORDANCE WITH THE CURRENT FEDERAL AVIATION REGULATIONS AND THE MANUFACTURER'S SPECIFICATIONS. THE APPLIANCE IDENTIFIED ABOVE WAS INSTALLED, INSPECTED, AND TESTED IN ACCORDANCE WITH THE GARMIN INTERNATIONAL, INC. FAA APPROVED MODEL LIST FOR STC # SA01714WI. THE AIRCRAFT HAS BEEN FOUND AIRWORTHY FOR RETURN TO SERVICE WITH RESPECT TO THE WORK ACCOMPLISHED. THE WEIGHT AND BALANCE DATA AND EQUIPMENT LIST HAVE BEEN REVISED AS NEEDED TO REFLECT THESE CHANGES. REFERENCE FAA FORM 337 DATED 7/11/2016 AND WORK ORDER # 9766 ON FILE FOR DETAILS OF WORK PERFORMED.

  
CENTRAL TEXAS AVIONICS  
FAA REPAIR STATION #: C84R586N

## B&G Aviation LLC

Georgetown Texas 78628 ph 512-864-7632

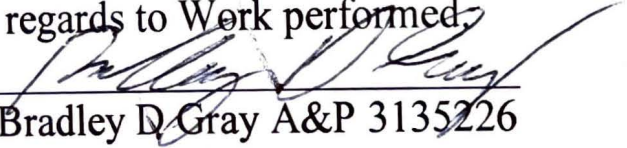
N574JD

SN# 3449093

Date 11/16/2016

1. Replaced RH landing light PN# 4594
2. Replaced battery with a new battery PN# RG24-20
3. Replaced LH voltage regulator installed PN# B00382-1

This aircraft is approved for return to service in  
regards to Work performed.

  
Bradley D Gray A&P 3135226

ACTT:

Hrm: 1874.4

## B&G Aviation LLC

Georgetown Texas 78628 ph 512-864-7632

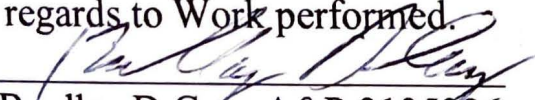
N574JD

SN#

Date 2/17/17

1. Serviced nose strut with 5606 and nitrogen. Accomplished a gear retraction  
And extension test. All checks are normal
2. Swapped RPM gages from side to side for trouble shooting
3. Serviced AC with Freon.

This aircraft is approved for return to service in  
regards to Work performed.

  
Bradley D Gray A&P 3135226

ACTT:

Tach: 1917.1



# B&G Aviation LLC

Georgetown Texas 78628 ph 512-864-7632

N574JD

ACTT:1943.1

SN# 3449093

HRM: 1943.1

Date 5/3/2017


1. Researched all applicable Ads
2. Complied with AD 04-25-16R1 fuel regulator shut off valve inspection. no defects noted next due at 1939.7 or 4/2017
3. Complied with FAR 91.207 d elt inspection battery next due nov 2020
4. Replaced RH rpm indicator with an overhauled indicator PN# 159251-3 SN# 1003
5. Replaced nose wheel bearings and races with new
6. Accomplished a gear retraction and extension test and an emergency extension test
7. Replaced missing set screw in the RH fuel shut off handle
8. Replaced all 3 door seal coil assemblies installed PN#S2800-1088
9. Removed heater ignition unit sent out for overhaul and reinstalled. Replaced heater spark plug with a new plug
10. Replaced both LH and RH lower gear door hinges and pins
11. Repaired crack in the LH main gear door with fiberglass
12. Replaced missing RH wing fuel placard

I certify that this aircraft has been inspected in accordance with an annual inspection

In accordance with FAR part 43 appendix d and was determined to be in airworthy condition.

This aircraft is approved for return to service in

regards to Work performed

  
Bradley D Gray A&P 31352261A

# B&G Aviation LLC

Georgetown Texas 78628 ph 512-864-7632

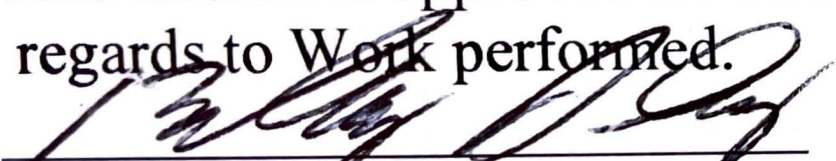
N574JD

SN#

Date 11/10/2017

1. Removed and replaced the RH engine vac pump with an overhauled pump  
PN# 442CW-6 SN#OCTG06

This aircraft is approved for return to service in  
regards to Work performed.



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Bradley D Gray A&P 3135226

ACTT:

HRM: 1970.1

# B&G Aviation LLC

Georgetown Texas 78628 ph 512-864-7632

N574JD

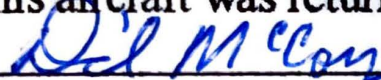
SN# 3449093

Date 1-10-2018

1. Installed new heater switch P/N 688-298

2. Installed new RH white nav light bulb P/N 34-0428070-64

This aircraft was returned to service in regards to work performed.



David McCoy AP 3615278

ACTT:

Tach:

H.M. 1992.4