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~~EDC88~~ ~~A7AOC~~ FEBFF (10/2016)
ACK Technologies Inc
Model E-04 ~~ELT~~

Piper Dakota
N3574X

2

The Standard
 **AIRCRAFT LOG**

N3574X
Aircraft Logbook #2
6
 **HOLMAN AVIATION**

ASA-SA-2

YEAR
20
DATE

RE
TA
TII

General Aviation
10120 Palm Glen Dr. #15
Santee, CA 92071
07-07-2013

AIRFRAME LOG

N3574X
PA28-236
S/N: 28-8011060
A/C T.T: 2857.0

Iterations
Number of
ific entries.)

- Removed right landing gear and replaced the upper o-rings and installed the landing gear, serviced with Hydraulic fluid and nitrogen.
- Stripped and painted the upper nose gear.
- Installed a new gasket in the fuel strainer bowl.

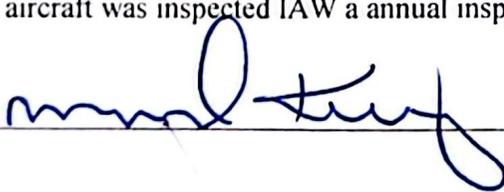
Michael Koontz  I/A 564294175

General Aviation
10120 Palm Glen Dr. #15
Santee, CA 92071
10-02-2013

AIRFRAME LOG

N3574X
PA28-236
S/N: 28-8011060
A/C T.T: 2857.9

- Completed an annual inspection IAW Piper PA-28-236 inspection guide
- Researched AD's and generated a current list.
- C/W F.A.R 91.207 {d} by visual and functional test of E.L.T. transmitter and G-switch no discrepancies found. Battery is due 04-13.
- Lubricated the airframe and landing gear.
- Replaced the throttle cable with a new cable.
- Installed new steering limit placards.
- Replaced the landing light bulb.
- C/W AD 2013-02-13 Horizontal Stabilator Control Cable BY Inspecting IAW SB 1245A 1 through 10. Ok at this time.
- Replaced the valve core on nose tire and serviced with nitrogen.
- C/W AD 76-07-12 Bendix ignition switches by operational check ok at this time.
- Secured a heat blanket on lower left cowling.
- Serviced and top charged the battery.
- Replaced the vacuum regulator sock filter
- I certify this aircraft was inspected IAW a annual inspection and is in airworthy condition.

Michael Koontz  I/A 564294175

YEAR
20
DATE

RECORDING
TACH
TIME

TODAY'S
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.)

- DAKOTA -

1. Approving National Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number: 132201	
4. Organization Name and Address: AIR PARTS OF LOCK HAVEN P. O. BOX 418 1084 EAST WATER STREET LOCK HAVEN, PA 17745 (QK1R429K)					5. Work Order/Contract/Invoice Number: 132201		
6. Item: 1.	7. Description: FUEL PRESSURE	8. Part Number: 444647	9. Eligibility: *	10. Quantity: 1 EA.	11. Serial/Batch Number: 132201	12. Status/Work: OVERHAULED	
13. Remarks: OVERHAULED IN ACCORDANCE WITH AP 86. FULL DETAILS OF WORK CARRIED OUT PER WORK ORDER NO.132201.							
AIR PARTS OF LOCK HAVEN, INC. certifies that all work specified in block 12/13 was carried out in accordance with FAA 145 and in respect to that work the aircraft component is considered ready for release to service under FAA Acceptance Certificate Number: FAA QK1R429K							
14. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 13.				19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> Other regulation specified in Block 13 Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
15. Authorized Signature:		16. Approval/Authorization No.:		20. Authorized Signature: 		21. Approval/Certificate No.: QK1R429K	
17. Name (Typed or printed):		18. Date (m/d/y):		22. Name (Typed or Printed): FRANK E. SWINEHART		23. Date (m/d/y): JUN 27, 2013	
User/Installer Responsibilities							
It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.							
Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.							
Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.							



YEAR 20____ DATE	RECORDING TACH TIME	TODAY'S 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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General Aviation 10120 Palm Glen Dr. #15 Santee CA 92071	N3574X AIRFRAME LOG	Piper PA28-236 S/N: 28-8011060 TTAF: 2860.0
Removed and replaced all four of the engine mounts with new Lord Mounting kits P/N: J-9613-12.		
Michael Koontz <u>Michael Koontz</u> I/A 564294175 March 30 2014		

General Aviation 340 Witherspoon Way El Cajon CA 92020	N3574X AIRFRAME LOG	PA28-236 S/N: 28-8011060 TTAF: 2860.56
<ul style="list-style-type: none"> Replaced the fuel pressure gauge with an overhaul exchange unit P/N 444647 S/N 132201. Pressurized the system And found no leaks. 		
Michael Koontz <u>Michael Koontz</u> I/A 564294175		

YEAR
20
DATE

MAKE: Piper
MODEL: PA-28-236
S/N: 28-8011060
REG. NO: N3574X
WORK ORDER: 8475

Wolfe Aviation
P.O. Box 31592
Stockton, CA 95213
Phone: (209) 983-0117

DATE: 8/6/2014
A/C TSN: 2864.73
TACH: 2864.73

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er of
tries.)

Airframe Entries

Removed ELT and installed serviceable ELT. Tested per 91.207(d), battery replacement due November 2015.... Loosened vacuum relief valve to get access to remove and install new filter, PN: RA-B3-5-1. Secured vacuum relief valve.... De-fueled right fuel tank. Removed right fuel tank assembly. Removed and replaced both fuel sending unit gaskets and stator seals. Re-installed right fuel tank assembly. Fueled right tank with fuel removed.... Removed right main landing gear tire and installed 6.00x6 6-ply tire, balanced tire and wheel assy. Installed tire assembly. Reinstalled.... Removed left fuel sump drain valve and installed PN: CCA-1550.... Replaced right main OB wheel bearing cone PN: 13889, and bearing cup PN: 13836.... Replaced both nose landing gear bearing cups PN: LM29710, and reinstalled the wheel assembly.... Rigged aileron control system.... Removed broken duct assembly and installed new aft center air duct assembly PN: 01-028319-00.... For AD status see AD compliance record. I certify that this aircraft has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.

DATE: 8/6/2014

SIGNED: 

Work Order: 8475

Peter V. Wolfe, A&P: 1471432 IA

Printed by EBis 3 (datcomedia.com)

MAKE: Piper
MODEL: PA-28-236
S/N: 28-8011060
REG. NO: N3574X
WORK ORDER: 8482

Wolfe Aviation
P.O. Box 31592
Stockton, CA 95213
Phone: (209) 983-0117

DATE: 8/8/2014
A/C TSN: 2868.68
TACH: 2868.68

Airframe Entries

Removed pilot and co-pilot seats for access to lower instrument panel. Replaced ignition switch PN: 10-357200-1, and trim switch PN: 26006. Ops checked satisfactory.

DATE: 8/8/2014

SIGNED: 

Work Order: 8482

Peter V. Wolfe, A&P: 1471432 IA

Printed by EBis 3 (datcomedia.com)

YEAR 20 _____ DATE	RECORDING TACH TIME	TODAY'S 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.)

Pacific Coast Avionics **CRS OPXR455L**

Registration: **N3574X** Make: **Piper** Model: **PA-28-236** S/N: **28-8011060** Tach: **N/A** Hobbs: **2552.3**

Removed the following equipment with associated wiring and mounting provisions from the aircraft; King KLN90B GPS, King KX155 Nav Com, King KT76 Transponder, King KI208 CDI, King KA92, Century IC388 Radio Coupler, 430-0035-00 Loran Antenna, DMC 70-1 Antenna, Narco ELT 10, 2 (two) King KA 50 Antennas, Mitchell DG, King KA 42 Antenna, and 46150 EGT Indicator.

A Garmin GTN 650 has been installed in the avionics stack located in the center radio stack at F.S. 62.88 and receives power from the Avionics buss via a 10 ampere communication transmit circuit breaker labeled "COM 1" and a 7.5 ampere system circuit breaker labeled "GPS". The GTN 650 is interfaced to the previously existing navigation antenna, a newly installed CI-121 communication antenna located at F.S.160.5, a newly installed GA 35 GPS/WAAS antenna installed on top of the aircraft at F.S. 94.5, the newly installed Century NSD1000 HSI to display horizontal and vertical course deviation information, the previously installed King KMA 20 audio panel to provide COM 1 and NAV 1 audio interface and unswitched audio output, the previously installed King KN62 DME for remote nav channeling through the GTN 650, the existing Century 2B Autopilot to provide horizontal course deviation, and the existing altitude encoder to provide pressure altitude information to the GTN 650. **The Garmin GTN 650 was installed and tested in accordance with the Garmin GTN 650 Series AML STC Installation Manual, P/N 190-01007-A3, Rev 3, approved under STC SA02019SE-D.**

A JPI EDM 700 Engine analyzer was installed in the pilot instrument panel and receives power from the avionics buss via a 5 ampere circuit breaker labeled "EDM". 6 new M-111 EGT and 5050 CHT probes were installed one at each cylinder, an M-201 FF-XDCR Flow transducer was installed between the fuel pump and carburetor using new fuel hoses fabricated by Aviall, p/n 124F001-6CR0040 and 124F001-6CR0184, and a data download port was tied and secured next to the EGT-701 indicator forward of the panel. **The EDM 700 was installed in accordance with the J.P. Instruments Installation Manual for the EGT-701, Report 103, approved under STC SA2586NM.**

A King KT74 Transponder was installed at the bottom of the center radio stack at F.S. 62.88 and is interfaced to the newly installed GTN 650 as an ADS-B GPS Source, the existing altitude encoder, and a newly installed Comant CI-105 Antenna. **The King KT74 was installed, tested, and configured for ADS-B Out functionality in accordance with the Bendix King KT74 Installation Manual, FAA Approved under Peregrine AML STC SA00765DE.**

-----Page 1 of 3-----

YEAR 20 ____ DATE	RECORDING TACH TIME	TODAY'S 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.)

Pacific Coast Avionics

CRS OPXR455L

Registration: N3574X Make: Piper Model: PA-28-236 S/N: 28-8011060 Tach: N/A Hobbs: 2552.3

The installation of the Garmin GTN 650, EDM 700, Fuel Flow Transducer, and King KT74 with ADS-B out has been analyzed in accordance with 14 CFR 43 Appendix A, and found to be a Major Alteration as defined by 14 CFR 1.1. An FAA Form 337, dated October 16, 2014 has been completed and filed with the Federal Aviation Administration. All other repairs or alterations noted in this maintenance entry have been analyzed in the same manner and found to be Minor.

Installed PS Engineering PM1000II Intercom 11922 Intercom and interfaced unit to existing King KMA20 Audio Panel and 4 intercom positions in the aircraft. The unit was installed and tested as per PS Engineering PM1000II IM, p/n 200-123-0003.

Installed Mid-Continent TA-102 USB power adapter in place of the removed optional EGT indicator. The TA102 Unit receives power from the avionics bus via 3 amp fuse labeled "TA-102" and was installed and tested as per the Mid-Continent TA-103 Installation Manual. Installed Davtron M800 in the pilot instrument panel. The unit receives power directly from the battery bypassing the battery master solenoid via a 3 amp fuse labeled "CLOCK". The M800 was installed and tested as per the Davtron M800 Installation Dwg 800-005. Fabricated cover plate from .050 2024T# aluminum to cover hole left from removal of ADF Antenna. The cover plate was coated white to prevent corrosion and secured to the fuselage using the existing antenna doubler and standard hardware. Replaced existing King KA50 DME antenna with direct replacement Comant CI-105 Antenna. Installed and tested antenna in accordance with the King KN62 DME IM. Replaced existing King KA50 Transponder antenna with direct replacement Comant CI-105 Antenna. Installed and tested antenna in accordance with the King KN74 Transponder with ADS-B Out IM. Replaced existing DM-C-70-1 Com #1 Antenna with direct replacement CI-121. Installed and tested Com 1 antenna as per the Garmin GTN650 IM. Replaced existing Narco ELT 10 with new ACK E-04 406MHz ELT. The ELT was installed and tested as per the ACK E-04 ELT IM and found to be compliant with 14 CFR 91.207(d). ELT Remote battery expires March 2021, Annunciator Battery expires March 2023, and E-04 ELT Battery expires May 2019.



PARTS REPLACED

- MAIN BOARD
 G-SWITCH
 R.F. MAIN BOARD
 DIGITAL MAIN BOARD

Other Parts Replaced:

- Unit performed normally in all respects.
 We have replaced your unit with a New or Rebuilt
 We are sending a replacement unit in advance, prior to receiving your return unit
 (please return replaced unit Promptly.)
 Unit updated to MOD: _____

NOTES: _____

WARNING

DO NOT ATTACH STATIC SUPPRESSOR
 DIRECTLY TO THE ELT. DAMAGE WILL
 OCCUR AND IS NOT COVERED BY
 WARRANTY.

WARRANTY REPAIR

NOT UNDER WARRANTY

Tested By: Jose A Date Returned: 07-15-2016

Returned VIA UPS: 3-Day 2-Day 1-Day Other: _____

RECORDING DATE TIME	TODAY'S 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.)

st Avionics **CRS OPXR455L**

3574X Make: P:per Model: PA-28-236 S/N: 28-8011060 Tach: N/A Hobbs: 2552.3

on of the Garmin GTN 650, EDM 700, Fuel Flow Transducer, and King KT74 with ADS-B out has been analyzed in accordance
 3 Appendix A, and found to be a Major Alteration as defined by 14 CFR 1.1. An FAA Form 337, dated October 16, 2014 has been
 filed with the Federal Aviation Administration. All other repairs or alterations noted in this maintenance entry have been
 e same manner and found to be Minor.

gineering PM1000II Intercom 11922 Intercom and interfaced unit to existing King KMA20 Audio Panel and 4 intercom positions in the
 it was installed and tested as per PS Engineering PM1000II IM, p/n 200-123-0003.

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 use labeled "TA-102" and was installed and tested as per the Mid-Continent TA-103 Installation Manual. Installed Davtron M800 in the
 panel. The unit receives power directly from the battery bypassing the battery master solenoid via a 3 amp fuse labeled "CLOCK". The
 lled and tested as per the Davtron M800 Installation Dwg 800-005. Fabricated cover plate from .050 2024T# aluminum to cover hole left
 F ADF Antenna. The cover plate was coated white to prevent corrosion and secured to the fuselage using the existing antenna doubler and
 are. Replaced existing King KA50 DME antenna with direct replacement Comant CI-105 Antenna. Installed and tested antenna in
 the King KN62 DME IM. Replaced existing King KA50 Transponder antenna with direct replacement Comant CI-105 Antenna.
 ted antenna in accordance with the King KN74 Transponder with ADS-B Out IM. Replaced existing DM-C-70-1 Com #1 Antenna with
 nt CI-121. Installed and tested Com 1 antenna as per the Garmin GTN650 IM. Replaced existing Narco ELT 10 with new ACK E-04
 The ELT was installed and tested as per the ACK E-04 ELT IM and found to be compliant with 14 CFR 91.207(d). ELT Remote battery
 021, Annunciator Battery expires March 2023, and E-04 ELT Battery expires May 2019.



AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG		Tag No./Tag Number 7688719			
Manufacturer Name and Address Textron Aviation Inc. (PC4) Textron Aviation Inc. 1 Cessna Blvd, Wichita, KS 67215		Book Order/Contract/Document Number 4304773			
Item 30	Description TUBE	Part Number 71737	Qty 1	In Coll. Number N/A	Status/Mark New
AUTHORIZED RELEASE DOCUMENT PO#: 27575					
<input checked="" type="checkbox"/> This item is new. (Applied directly manufactured conformity to)			<input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12		
<input checked="" type="checkbox"/> This item is repaired. (Applied directly manufactured conformity to)			Consider the unit otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.		
Authorized Signature [Signature]		Technical Approval No. PC4	Authorized Signature		Approval Certificate No.
Name (Typed or Printed) JENNIFER FISHER		Date of Installation 19/Apr/2021	Name (Typed or Printed)		Date (dd/mm/yyyy)
User/Installer Responsibilities					

PARTS REPLACED

- MAIN BOARD
 G-SWITCH
 R.F. MAIN BOARD
 DIGITAL MAIN BOARD

Other Parts Replaced:

- Unit performed normally in all respects.
 We have replaced your unit with a New or Rebuilt
 We are sending a replacement unit in advance, prior to receiving your return unit
 (please return replaced unit Promptly.)
 Unit updated to MOD: _____

NOTES: _____

WARNING

DO NOT ATTACH STATIC SUPPRESSOR DIRECTLY TO THE ELT. DAMAGE WILL OCCUR AND IS NOT COVERED BY WARRANTY.

WARRANTY REPAIR

NOT UNDER WARRANTY

Tested By: Jose A Date Returned: 07-15-2016

Returned VIA UPS: 3-Day 2-Day 1-Day Other: _____

1. UNITED STATES FAA	2. FAA FORM 8130-3 AIRWORTHINESS APPROVAL TAG U.S. Department of Transportation / Federal Aviation Administration	3. System Tracking Ref. No. 07-15-2016
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4. Organization ACK TECHNOLOGIES, INC. 440 W. JULIAN STREET SAN JOSE, CALIFORNIA 95110 USA	5. Work Order, Contract or Invoice Number Q071
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6. Item	7. Description	8. Part Number	9. Eligibility *	10. Quantity	11. Serial/Batch Number	12. Status/Work
1	EMERGENCY LOCATOR TRANSMITTER	E-04	NA (TSO)	1	10598	<input checked="" type="checkbox"/> REBUILT <input type="checkbox"/> TESTED

13. Remarks **REBUILT UNDER THE AUTHORITY OF 14 CFR 43.3(J)(2) RTS UNDER THE AUTHORITY OF 14 CFR 43.7(d)**
 *(Optional) Installer must cross check eligibility with applicable technical data.

Limited life parts must be accompanied by maintenance history including total time/total cycles/time since new.

14. NEW <input type="checkbox"/> Newly Overhauled <input type="checkbox"/> Certifies that the new or newly overhauled part(s) identified above, except as otherwise specified in block 13 was (were) manufactured in accordance with FAA approved design data and airworthiness. NOTE: In case of parts to be exported, the special requirements of the importing country have been met.	19. Return to Service in Accordance with FAR 43.7(d) Certifies that the work specified in block 13 (or attached) above was carried out in accordance with FAA airworthiness regulations and in respect to the work performed the part(s) is (are) approved for return to service.
---	--

15. Signature:	16. FAA Authorization No.:	20. Authorized Signature: 	21. Certificate Number: PT0880NM
17. Name (Typed or Printed):	18. Date:	22. Name (Typed or Printed): JOSE AYALA	23. Date: 07-15-2016

Airworthiness Approval Tag

User/Installer Responsibilities

It is important to understand that the existence of this Document alone does not automatically constitute authority to install the part, component or assembly.

Where the user/installer work in accordance with the national regulations of an Airworthiness Authority different than the Airworthiness Authority of the country specified in block 1 it is essential that the user/installer ensures that his/her Airworthiness Authority accepts parts/components/assemblies from the Airworthiness Authority of the country specified in block 1.

The form 8130-3 and JAA Form One are equivalent
 Other countries such as Canada also have equivalent acceptable documents.

Statements in block 14 and 19 do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

YEAR 20 ____ DATE	RECORDING TACH TIME	TODAY'S 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.)

Pacific Coast Avionics

CRS OPXR455L

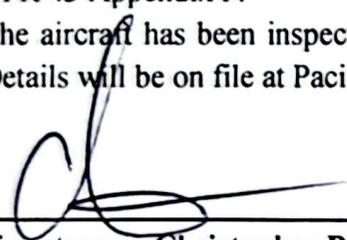
Registration: N3574X Make: Piper Model: PA-28-236 S/N: 28-8011060 Tach: N/A Hobbs: 2552.3

Replaced failed bulbs in left engine cluster with equivalent to correct dimmer issue as per Piper PA28 AMM. Fabricated cover plate from .040 2024T3 aluminum and coated black to cover unused area of Copilot radio stack at request of customer. Installed NSD1000 HSI system in place of removed DG and interfaced unit to newly installed GTN650 for course deviation display. The NSD1000 was installed and tested in accordance with the Century NSD1000 IM. Century ICA document, dated 1-25-2008 for the NSD1000 has been placed with the aircraft maintenance records. Installed Century Radio Coupler 1C388-2 in place of the removed 1C388 model to accommodate installation of the NSD1000 as per the Century NSD1000 Installation Bulletin and IM. Tested Century 2B autopilot system and found it to be operational.

Performed 14 CFR 91.411 certification of the altimetry system. The altimeter, altitude reporting, and pitot / static systems were tested for error and found to be in compliance with the requirements listed in 14 CFR 43 Appendix E to a test altitude of 20,000 feet.

Performed 14 CFR 91.413 certification of the King KT74 ATCRBS, S/N 00449 and found the system to comply with the requirements listed in 14 CFR 43 Appendix F.

The aircraft has been inspected in accordance with current federal aviation regulations and found to be airworthy with respect to the work performed. Details will be on file at Pacific Coast Avionics under Ron May, work order 7593.


Signature: Christopher Brand

10/16/2014
Date: 10/16/2014



YEAR 20 ____ DATE	RECORDING TACH TIME	TODAY'S 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: 4/15/2015; Aircraft: N3574X

Tach: 2887.9 - Removed two piece windshield and installed LP Aero one piece solar gray UV windshield pn LPK2028-3UVSG using install kit pn SPK2028KIT28 IAW Report No. 905/CON and Dwg. K2023 rev. H - 3/31/1994 per STC No. SA1696SO. Installed new OAT probe pn 400510 and connected to analyzer. Replaced landing light pn 4509 Replaced (4) panel lights pn 53. Installed Rosen Sunvisor system IAW instructions for kit# RPF-300-1 under STC SA00072SE. Repainted cabin door step.

William N. Gough
AP541569635

Date: 5/12/2015; Aircraft: N3574X

Tach: 2906.9 - R&R tail cone, upper and lower, IAW Met-Co-Aire STC SA01071LA, and Drawing# MA1-7-001 - 8/21/2000 instructions. See attached Form 337.

William N. Gough
AP541569635

Customer Aer-U Maintenance
Order No. _____ Item 1 of 1
Part Name Compass
Type Ampath C2200 U4B
Serial 6868 Date In _____
Unit TSO 0 Date Out 8-27-15

AIRTECH INSTRUMENT CO. INC.

Auburn Municipal Airport
2131 E Street NE • Auburn, WA 98002

FAA APPROVED REPAIR STATION IQ6R622N

CLASS 1, 2, 3, 4

(253) 804-6040 FAX (253) 804-3434

3574X
8/15

2940 Tail

CUSTOMER WARRANTY RECORD

Owner

Name Ron May
Company _____
Address _____
City _____ St _____ Zip _____

IMPORTANT!
This card must be completed and returned for warranty consideration

Aircraft

Make PA28-236
Model Dakota
Registration N3574X
Tach Time On 2940.3 Hrs.
Tach Time Off _____ Hrs.

Unit Installed

Part No. RAP215C C
Serial No. A59408
Date of Manufacture JUN 04 2015
Date Installed 8/28/15
Date Removed _____
Purchased From _____

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S 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: 8/28/2015; Aircraft N3574X

Tach: 2940.3 , ACTT: 2940.3 - Performed annual inspection IAW FAR Part 43, appendix D. Inspected wings and flaps, tail surfaces, fuselage, landing gear, wheels, brakes, and all controls for operation and security. LH tiedown ring replaced, pn 18457-000. R&R compass pn C-2200-L4-8, s/n 6868 after overhaul by Airtech Instruments, WO# 15637. Installed new correction card pn C23-807. See attached tag. Replaced vacuum regulator filter pn ARB3-5-1 and central filter pn AAD9-18-1. Rebuilt hand brake using o-rings as needed. R&R elevator trim barrel bushings. Cleaned, primed, and touch-up painted stabilator trailing edges. Installed new bearings and bolts on stabilator hinges. Installed new bolt and bearing at top rudder hinge. Installed new CO detector. Note: This CO detector expires 18 months from date of installation. Installed cabin fan placard and elevator trim placard. Tested ELT IAW FAR 91.207 (d). ELT tests ok. Battery due by May, 2019. Test run and flight ok.

William N. Gough
AP541569635 IA

Date: 8/28/15

I certify that this aircraft has been inspected
in accordance with a 100 inspection
and was determined to be in airworthy condition.

Applicable AD notes through 8-25-15
complied with

Total time (or Tach reading): 2940.3

Signed [Signature] A&P# 541569635A

YEAR 20 ____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)</small>

Date: 10/18/2016; Aircraft: N3574X

Tach: 2992.4, ACTT: 2992.4 - Performed annual inspection IAW FAR Part 43, appendix D. Inspected wings and flaps, tail surfaces, fuselage, landing gear, wheels, brakes, and all controls for operation and security. Installed new heat barriers on LH and RH inner lwr cowl. Secured LH wheel fairing. Replaced shimmy dampener rod end, pn 452-334. Replaced (4) aileron rod ends, pn 452-335. Installed (2) new static wicks, LH and RH flaps. Replaced fwd dorsal fin after fitting/paint. Removed ELT head and exchanged with ACK, s/n ~~15622~~ 15622, s/n **OUT** ~~15625~~. New Hex code: 2DC88 A843A FFBFF. Tested ELT IAW FAR 91.207 (d). ELT tests ok. Battery due by 5/2019. Test run and flight ok.

William N. Gough
AP541569635 IA

10 098 869 01

Date: 10-18-16

I certify that this aircraft has been inspected
in accordance with a Annual inspection
and was determined to be in **airworthy condition**.
Applicable AD notes through 9-22-16
complied with
Total time (or Tach reading). 2992.4

Signed



A & P #

541569635 IA

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S 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 THAT THE ALTIMETER AND/OR STATIC SYSTEM TESTS REQUIRED BY FAR 91.411 HAVE BEEN PERFORMED IAW FAR 43 APP. E W08A3954 N 9574X
 ALTIMETER SN R7625
 TESTED TO 20,000
 ON 10/9/2016 BY [Signature]
 AERO MAINTENANCE INC JD6R635N

I CERTIFY THAT THE TRANSPONDER SYSTEM TESTS REQUIRED BY FAR 91.413 HAVE BEEN PERFORMED IAW FAR 43 APP. F
 TRANSPONDER KT74 s/n 00449
 ENCODER TA s/n 32960
 ON 10/9/2016 BY [Signature]
 AERO MAINTENANCE INC. JD6R635N

Pacific Coast Avionics				CRS OPXR455L	
Registration: N3574X	Make: PIPER	Model: PA-28-236	S/N: 28-8011060	Aircraft Time: Hobbs: 2698.3	Tach: N/A

Removed Century 1C388-2 s/n 3239, Century 1C363-1-43UR s/n 32359A, Century 1B440-2 s/n 5071, Century UNK, Mid Continent 1394T100 s/n B04-11107, and associated wiring to facilitate other maintenance. Installed S-Tec System 55 Autopilot using STC SA8906SW-D. This system includes the Roll Servo p/n 0105-R9, s/n 00105-1703-26786CEFGJ; Pitch Servo p/n 0107-P4, s/n 00107-1703-21190CDEFGJK; Programmer Computer p/n 01192-1-4, s/n 01192-1706-16842; Turn Coordinator p/n 0405-14L, s/n H16-11048 and Transducer p/n 0111, s/n 00111-1647-46060AA. Installed, configured and tested System 55X Autopilot IAW manual Bulletin 600 and Bulletin 677 approved under STC SA8906SW-D. NDN. Performed static leak check as required by manual and determined to meet the requirements of 14 CFR 23.1325. Relocated Bendix/King KT 74 to right hand radio stack to facilitate installation of new avionics. Work performed in accordance with AC43.13-2B Chapter 2. NDN. Complied with Garmin Service Bulletin 1655 Rev A updating the Garmin GTN 650, s/n 128016673 main software to version 6.21, touch software to version 2.10 and GPS Software to version 5.2. NDN. Tightened all static fittings to correct static system leak in excess of 200 feet per minute discrepancy. Retested system and found to meet the requirements of 14 CFR 23.1325. Installed new light ring on attitude gyro and tested in accordance with Nulight Document Figure 1. NDN. Removed Bendix/King KX 155 for repair under PCA Work Order 18455. Installed repaired Bendix/King KX 155 and tested in accordance with the Bendix/King KX 155 Installation Manual. NDN. Performed 14 CFR 91.413(a)(b) certification of the Bendix/King KT 74 Transponder and existing Encoder and found the systems to comply with the requirements listed in 14 CFR 43 Appendix F and 14 CFR 43 Appendix E(c).
 This aircraft has been inspected in accordance with current federal aviation regulations and found to be airworthy with respect to the work performed. Details will be on file at Pacific Coast Avionics under Ron May, work order 17048.

[Signature] [Signature] [Signature] 3/14/2017
 Signature: JASON WALLACE Date: 3/14/2017

-----Page 1 of 1-----

YEAR 20____ DATE	RECORDING TACH TIME	TODAY'S 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: 8/03/2017; Aircraft: N3574X
 Tach: 3032.5 - R&R landing light with new Whelan
 Parmetheus Plus LED, model P36P1L, p/n 01-0771833-10,
 s/n 08625 IAW STC SA0344BO dated July 25, 2014 or later
 approved revision and IAW AML list Document No. AML-
 140212, Revision 2. Weight change negligible. See 337 form
 dated 8/4/2017.
 William N. Gough
 AP541569635

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S 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: 10/18/2017; Aircraft: N3574X

Tach: 3052.3, ACTT: 3052.3 - Performed annual inspection IAW FAR Part 43, appendix D. Inspected wings and flaps, tail surfaces, fuselage, landing gear, wheels, brakes, and all controls for operation and security. Installed new CO detector. Note: This CO detector expires 18 months from date of installation. Tested ELT IAW FAR 91.207 (d). ELT tests ok. Battery due by 5/2019. Test run ok.

William N. Gough
AP541569635 IA

Date: 10-18-17

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

Applicable AD notes through 10-11-17
complied with.

Total time (or Tach reading): 3052.3

Signed [Signature] A&P# 541569635 IA

Pacific Coast Avionics

CRS OPXR455L

Registration: N3574X Make: Piper Model: PA-28-236 S/N: 28-8011060 Tach: 3056.34 Hobbs: 2780.0

Complied with Garmin Service Bulletin 1758 Rev. B updating the Garmin GTN-650 SN: 1Z8016673 to main software version 6.41 and nav software version 6.03.

The aircraft has been inspected in accordance with current federal aviation regulations and found to be airworthy with respect to the work performed. Details will be on file at Pacific Coast Avionics under Ron May, work order 22771.

[Signature]

12-12-2017

Signature: Shawn Smith

Date: 12/12/2017

4. Organization Name and Address: <p style="text-align: center;">Textron Aviation Inc. (PC4) Textron Aviation Inc. 1 Cessna Blvd, Wichita, KS 67215</p>	5. Work Order/Contract/Invoice Number: <p style="text-align: center;">2969824</p>
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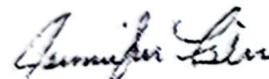
6. Item: 60	7. Description: SEAL	8. Part Number: 600-001-100S	9. Quantity: 10	10. Serial Number: N/A	11. Status/Work: New
-----------------------	--------------------------------	--	---------------------------	----------------------------------	--------------------------------

12. Remarks:

AUTHORIZED RELEASE DOCUMENT

Lot/Batch # 4600816-2 Shelflife exp: 01/Oct/2026
PO#: 8518KE

13a. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.	14a. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.
--	---

13b. Authorized Signature: 	13c. Approval/Authorization No.: <p style="text-align: center;">PC4</p>	14b. Authorized Signature (Shaded area)	14c. Approval/Certificate No. (Shaded area)
---	---	--	--

13d. Name (Typed or Printed): <p style="text-align: center;">JENNIFER FISHER</p>	13e. Date (dd/mmm/yyyy): <p style="text-align: center;">17/Jan/2018</p>	14d. Name (Typed or Printed): (Shaded area)	14e. Date (dd/mmm/yyyy): (Shaded area)
--	---	--	---

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

Authority/Country: FAA/United States		AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 5979682	
4. Organization Name and Address: Textron Aviation Inc. (PC4) Textron Aviation Inc. 1 Cessna Blvd, Wichita, KS 67215				5. Work Order/Contract/Invoice Number: 2969824		
6. Item: 60	7. Description: SEAL	8. Part Number: 600-001-100S	9. Quantity: 10	10. Serial Number: N/A	11. Status/Work: New	
12. Remarks: <p style="text-align: center;">AUTHORIZED RELEASE DOCUMENT</p> <p style="text-align: center;">Lot/Batch # 4600816-2 Shelflife exp: 01/Oct/2026</p> <p style="text-align: center;">PO#: 8518KE</p>						
13a. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.			14a. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12. Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
13b. Authorized Signature: 		13c. Approval/Authorization No.: PC4	14b. Authorized Signature		14c. Approval/Certificate No.:	
13d. Name (Typed or Printed): JENNIFER FISHER		13e. Date (dd/mm/yyyy): 17/Jan/2018	14d. Name (Typed or Printed):		14e. Date (dd/mm/yyyy):	
User/Installer Responsibilities						
<p>It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.</p> <p>Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.</p> <p>Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.</p>						

ADDRESS 101 E. Reserve Street

CITY Vancouver STATE WA ZIP 98661

INST: Fuel Quantity Trans S/N: 18-073-2

MFG. NO: 7740-40 TYPE Rochester

Piper# PS 10013-5

PART - 4

THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER # 18-073-2

DATE Jan 30, 2018 SIGNED [Signature]

KEYSTONE INSTRUMENTS SERVICES INC.
WM. T. PIPER MEMORIAL AIRPORT
P.O. BOX 2 • 353 PROCTOR STREET
LOCK HAVEN, PA 17745

REPAIR STATION #BX1R050K
INSTRUMENT CLASS 1, 2, 3, 4
AND SPECIALIZED SERVICES

Grounded Unit! in series w/ 7740-41

FORM 100A

INVOICE # 9540 WORK NO: 18-073-3
CUSTOMER Aero Maintenance, Inc.
ADDRESS 101 E. Reserve Street
CITY Vancouver STATE WA. ZIP 98661
INST: Fuel Quantity TRANS S/N: 18-073-3
MFG. NO: 7740-41 TYPE Rochester
Piper # PS 10013-6

PART - 4

THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY AND IS APPROVED FOR RETURN TO SERVICE, PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER # 18-073-3

DATE Jan 30, 2018 SIGNED [Signature]

KEYSTONE INSTRUMENTS SERVICES INC.
WM. T. PIPER MEMORIAL AIRPORT
P.O. BOX 2 • 353 PROCTOR STREET
LOCK HAVEN, PA 17745

REPAIR STATION #BX1R050K
INSTRUMENT CLASS 1, 2, 3, 4
AND SPECIALIZED SERVICES

Insulated unit! in series w 7740-40 FORM 100A

PART - 1

INVOICE # 9540 WORK NO: 18-073-5

CUSTOMER Aero Maintenance, Inc.

ADDRESS 101 E. Reserve Street

CITY Vancouver STATE WA ZIP 98661

INST: Fuel Quantity TRANS. S/N: 18-073-5

MFG. NO: 7740-41 TYPE Rochester

Piper # PS 10013-6

PART - 4

THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER # 18-073-5

DATE Jan 30, 2018 SIGNED [Signature]

KEYSTONE INSTRUMENTS SERVICES INC.
WM. T. PIPER MEMORIAL AIRPORT
P.O. BOX 2 • 353 PROCTOR STREET
LOCK HAVEN, PA. 17745

REPAIR STATION #BX1R050K
INSTRUMENT CLASS 1, 2, 3, 4
AND SPECIALIZED SERVICES

Insulated Unit in series w/7740-40 FORM 100A

INVOICE # 9540 WORK NO: 18-073-4
CUSTOMER Aero Maintenance, Inc.
ADDRESS 101 E. Reserve Street
CITY Vancouver STATE WA ZIP 98661
INST: Fuel Quantity Trans S/N: 18-073-4
MFG. NO: 7740-40 TYPE Rochester
Piper # PS 10013-5

PART - 4

THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER # 18-073-4

DATE Jan 30, 2018 SIGNED [Signature]

KEYSTONE INSTRUMENTS SERVICES INC.
WM. T. PIPER MEMORIAL AIRPORT
P.O. BOX 2 • 353 PROCTOR STREET
LOCK HAVEN, PA 17745

REPAIR STATION #BX1R050K
INSTRUMENT CLASS 1, 2, 3, 4
AND SPECIALIZED SERVICES

Grounded unit! in service w/ 7740-41 FORM 100A

PART - 1

INVOICE # 9540 WORK NO: 18-073-1
CUSTOMER Aero Maintenance, Inc.
ADDRESS 101 E. Reserve Street
CITY Vancouver STATE WA. ZIP 98661
INST: Fuel Quantity/Pressure STN: 18-073-1
MFG. NO: 436476 TYPE Rochester/Stewart
Pack # 548-239 (12v)
Wakiva

PART - 4

THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY AND IS APPROVED FOR RETURN TO SERVICE, PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER # 18-073-1

DATE Jan 30, 2018 SIGNED [Signature]

KEYSTONE INSTRUMENTS SERVICES INC.
WM. T. PIPER MEMORIAL AIRPORT
P.O. BOX 2 • 353 PROCTOR STREET
LOCK HAVEN, PA 17745

REPAIR STATION #BX1R050K
INSTRUMENT CLASS 1, 2, 3, 4
AND SPECIALIZED SERVICES

FORM 100A

YEAR 20	RECORDING TACH TIME	TOD FLIG
DATE		

WO# A5629
SCALE CORRECTIONS

Depot: JD6R635N
Altimeter No. R7635
Encoder No. 32960

and Alterations
(Certificate Number of
other specific entries.)

Pacific Coast Avionics
Registration: N3574X Make: PIPEI
Removed Century NSD-965A HSI s/n 965A,
2H3-19 Vacuum Regulating Valve, Airborne
facilitate other maintenance. Installed G5 El
GMU 11 Magnetometer, s/n 56J004214. In
Installed Garmin G5 Electronic Flight Instru
190-01112-10 Rev 14. NDN.
The installation of the Garmin G5 Electroni
to meet the requirements of a Major Alter
Administration. All other repairs or alterati
This aircraft has been inspected in accord
Pacific Coast Avionics under Ron May, wor


Signature: Jason Wallace

Reference Altitude	Altimeter	Encoder
-1000	-1010	-45
0	5	5
500	490	10
1000	1005	0
1500	1495	30
2000	2005	-5
3000	3010	0
4000	4005	-5
6000	6010	-10
8000	8005	-10
10000	10020	15
12000	12030	40
14000	14035	35

Reference Altitude	Altimeter	Encoder
16000	16045	50
18000	18050	65
20000	20055	75
22000		
25000		
30000		
35000		
36000		
40000		
45000		
48000		
50000		

Date: 11/21/18

Tested by: GH

CRS OPXR455L
2847.3 Tach: 3110.6

1C10-1 Suction Gage, Airborne
cits, trays and wiring to
lapter, s/n 5DL004694 and the
1112-10 Rev 14. NDN.
the G5 Installation Manual

CFR 43 Appendix A and found
iled with the Federal Aviation

med. Details will be on file at

I CERTIFY THAT THE
STATIC SYSTEM TESTS REQUIRED BY FAR
91.411 HAVE BEEN PERFORMED IAW FAR 43
APP. E WO# A5629 N 3574X
ALTIMETER SN R7635
TESTED TO 20000
ON 11/21/2018 BY [Signature]
AERO MAINTENANCE INC. JD6R635N

SYSTEM
TESTS REQUIRED BY FAR 91.413 HAVE BEEN
PERFORMED IAW FAR 43 APP. F
TRANSPONDER K175 6/N 00444
ENCODER 161 6/N 32960
ON 11/21/2018 BY [Signature]
AERO MAINTENANCE INC. JD6R635N

1. Approving Civil Aviation Authority/Country FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG				3. 5677015
4. Organization Name and Address: Textron Aviation Inc. (PC4) Textron Aviation Inc. 1 Cessna Blvd, Wichita, KS 67215					5. Work Order/Contract/Invoice Number: 2731337	
6. Item: 110	7. Description: WICK	8. Part Number: C592001-0201	9. Quantity: 1	10. Serial Number: N/A	11. Status/Work: New	
12. Remarks: AUTHORIZED RELEASE DOCUMENT PO#: 8271KE						
13a. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.			14a. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
13b. Authorized Signature: 		13c. Approval/Authorization No.: PC4	14b. Authorized Signature		14c. Approval/Certificate No.:	
13d. Name (Typed or Printed): JENNIFER FISHER		13e. Date (dd/mm/yyyy): 20/Jun/2017	14d. Name (Typed or Printed):		14e. Date (dd/mm/yyyy):	
User/Installer Responsibilities						
<p>It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.</p> <p>Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.</p> <p>Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.</p>						

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S 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: 11/21/2018; Aircraft: N3574X

Tach: 3114.6, ACTT: 3114.6 - Performed annual inspection IAW FAR Part 43, appendix D. Inspected wings and flaps, tail surfaces, fuselage, landing gear, wheels, brakes, and all controls for operation and security. Installed new spar attach bolts access cover p/n H63942-01. Serviced LH main strut with nitrogen. Installed new hinges (2) p/n CA63560-002 and pins (2) p/n CA62002-002 on outboard trim tab. Installed new o-ring in LH brake caliper p/n MS28775-222. Installed new LH & RH brake pads (4) p/n 066-10500. Installed new static wick p/n C592001-0201 on RH side of stabilizer. Retract/extension test OK as per Piper maintenance manual. Tested ELT IAW FAR 91.207 (d). ELT tests ok. Battery due by 5/2019. CW AD2018-07-03 - 4/20/2018 - Fuel selector cover placards inspection. Placards in correct position. NFAR. Test run and flight ok.

William N. Gough
AP541569635 IA

Date: 11-21-18

I certify that this aircraft has been inspected
in accordance with a Ann 1 inspection
and was determined to be in airworthy condition.
Applicable AD notes through 11-10-18
complied with.

Total time (or Tach reading): 3114

Signed  A&P# 541569635IA

YEAR 20____ DATE	RECORDING TACH TIME	TODAY'S 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: 8/05/2019; Aircraft: N3574X

Tach: 3137.8 - Replaced main ELT battery p/n E-04.0 and tested ELT per FAR 91.207 (d). Battery next due by June, 2024. Replaced remote switch battery with Duracell lithium, pn 28L, best before date of Mar. 2027. Replaced audio alert battery with Duracell lithium, pn CR2 Mar. 2027 date.

William N. Gough
AP541569635

Date: 11/12/2019; Aircraft: N3574X

Tach: 3155.9, ACTT: 3155.9 - Performed annual inspection IAW FAR Part 43, appendix D. Inspected wings and flaps, tail surfaces, fuselage, landing gear, wheels, brakes, and all controls for operation and security. Replaced gaskets (2) p/n SL71973 and couplings (2) p/n SL69603 on #1 & #2 induction flanges. Repaired battery box lock receptacle with screws as necessary. Tested ELT IAW FAR 91.207 (d). ELT tests ok. Battery due by 6/2024. Test run and flight ok.

William N. Gough
AP541569635 IA

Date: 11-12-19

I certify that this aircraft has been inspected
in accordance with a Ann 1 inspection
and was determined to be in airworthy condition.

Applicable AD notes through 11-6-19
complied with.

Total time (or Tach reading): 3155.9

Signed [Signature]

A&P# 50156963516



JET CENTER MFR

3000 Center Drive

MEMPHIS, TENNESSEE 38115

561-770-2024 OR 561-770-2025

Airframe Log Entry # 425745

Date: 5-26-2023

Total Time: 366.5

Tech Time: 366.5

Holder: 2152

- 1) I certify that this aircraft was inspected in accordance with a **30100HR Annual Inspection** per FAR45 Appendix D and was determined to be in an airworthy condition.
- 2) I certify that the ELT inspection and operational test has been performed and meets the requirements of **FAR 91.207 (d)**. Battery next due replacement by **6/2024**.
- 3) I certify that the altimeter and static system tests have been performed in accordance with FAR 45 Appendix E in comply with FAR 91.411. The two altimeters were tested to 20,000 feet.
- 4) I certify that the Transponder system has been tested in accordance with FAR 45 Appendix F and current advisory circulars in comply with FAR 91.413.
- 5) Replaced EDM 700 with serviceable EDM 700 (PN: 527-701-62, SN: 19417). Operational check good at this time.
- 6) Accomplished **AD 2013-12-03** amendment 24-1754 dated 2-11-2013 for sublimator cable inspection. Instructions says I-HI. No defects noted at this time. Next due by 506.3 TT or by 5/2027, whichever occurs first.
- 7) Accomplished **AD 75-37-02** amendment 24-3024 effective August 30, 1977, per paragraph 1 (c). Ops check good. Next due at 366.5 hours total time.
- 8) I certify that the ELT inspection and operational test has been performed and meet the requirements of **FAR 91.207 (d)**. Battery next due replacement by June 2024.
- 9) I certify that the altimeter and static system tests have been performed in accordance with the requirements of FAR45 Appendix E in comply with **FAR 91.411**. The altimeters were tested to 20,000 feet.
- 10) I certify that the Transponder systems have been tested in accordance with FAR45 Appendix F and current advisory circulars in comply with **FAR 91.413**.
- 11) Removed and replaced Bracket make filter with new (Tex BA2905 Filter).
- 12) Removed pilot shoulder harness and sent to C&M Marine Aviation Services for repair. Re-installed after repair.
- 13) Complied with SB No. 1244C. AF attach fitting inspection for internal corrosion. Removed and inspected nut and tube. No defects were noted, replaced nut with new.
- 14) Removed primer plunger and replaced O rings with new. Re-installed and tested primer. No discrepancies were noted at this time.
- 15) Removed and replaced ammeter as requires with overhauled unit. In ref to Paper PA-28-236 W.W. and PC. Ops check normal. Installed Ammeter PN 44045, SN 172371.
- 16) Repaired broken wire at the overhead flood light thermostat. Secured loose thermostat. Operational check of the flood light was normal.
- 17) ~~Removed and replaced~~ alternator out light lamp and capsule with new (Tex 331 Lamp, Tex 47-483 Indicator). Operational check of the system was normal.

YEAR 20	RECORDING TACH	TODAY'S FLIGHT	TOTAL TIME IN	Description of Inspections, Tests, Repairs and Alterations
0				Entries must be entered with M- 18) Replaced L/H main tire with new, in ref Piper PA-28-236 M.M. chapter 32-40-00. Tire Installed P/N 30620, S/N A1E44919.
-				19) Removed and replaced pilots Left and Right brake master cylinders (2ea 10-30 Master Cylinders). Bled brake system. Ops check good, no leaks noted.
-				20) Removed caliper and cleaned, replaced O-ring with new and installed back on aircraft. in ref to Piper PA-28-236 M.M. Chapter 32-40-00. See #19 for bleeding and leak checks.
-				21) Adjusted rudder cable tension to correct tension, in reference to Piper PA-28-236 Maintenance Manual Section 27-31-00.
-				22) Adjusted stabilator cable tension to correct tension, in reference to Piper PA-28-236 Maintenance Manual Section 27-31-00.
-				23) By process of elimination, found several rubber pitot hoses under instrument panel not making secure "seals". Replaced pitot plumbing under instrument panel with poly-flo connections. See # 9 for leak test results and certification.
-				24) By process of elimination, found numerous rubber static system hoses not making a proper "seal". Replaced all static plumbing under instrument panel with poly-flo connections. See #9 for leak test results.

The component(s) identified above was inspected and repaired in accordance with current FARs and was found airworthy and is approved for return to service. Pertinent details on file at this agency under work order no. 35073.

GaryHudnall

Digitally signed by Gary Hudnall
DN: cn=Gary Hudnall, o=Jet Center
MFR, ou,
email=gary@jetcentermfr.com, c=US
Date: 2020.05.27 10:22:29 -07'00'

Gary N. Hudnall

JET CENTER

5000 Cirrus Drive
MEDFORD, OREGON 97504
(541) 770-5314 CRS: GCPR185E
Airframe Log Entry N3574X

Date: 5-28-2020
Total Time: 3163.8
Tach Time: 3163.8
Hobbs: 2919.9

- 1) Repositioned left floor vent control handle and secured; ops checked okay.
- 2) Accomplished flap control rod lube as required; reference MM.
- 3) Installed new left and right wing tip Nav light PMA Lamp assemblies, (p/n 107-11-7512-12) and secured; ops checked okay.

The component(s) identified above was inspected and repaired in accordance with current FARs and was found airworthy and is approved for return to service. Pertinent details on file at this agency under work order no. 35146.

Richard T. Fontes

Richard T. Fontes

Digitally signed by Richard T.
Fontes

Date: 2020.05.28 09:02:29 -07'00'



JET CENTER MFR

5000 Cirrus Drive
MEDFORD, OREGON 97504
(541) 770-5314 CRS: GCPR185E
Airframe Log Entry N3574X

Date: 5-28-2020
Total Time: 3163.8
Tach Time: 3163.8
Hobbs: 2919.9

- 1) Repositioned left floor vent control handle and secured; ops checked okay.
- 2) Accomplished flap control rod lube as required; reference MM.
- 3) Installed new left and right wing tip Nav light PMA Lamp assemblies, (p/n 107-11-7512-12) and secured; ops checked okay.

The component(s) identified above was inspected and repaired in accordance with current FARs and was found airworthy and is approved for return to service. Pertinent details on file at this agency under work order no. 35146.

Richard T. Fontes

Digitally signed by Richard T.
Fontes

Date: 2020.05.28 09:02:29 -07'00'



1940 Airport Court
Great Falls, MT 59404

Ph 406-453-7613
Fx 406-453-7204

Tail Number: N3574X

Hobbs/Tach: 3226.55

A/C Make: Piper

A/C Model: PA-28-236

Work Order: 82491

Jacked A/C, removed wheel pants, removed L/H main tire in good useable condition and installed on nose wheel, Installed new Michelin main tires P/N 070-314-0, and tubes, P/N 092-500-0. down jacked aircraft. Work performed referencing Piper PA-28-236 Maintenance Manual.

I certify that the stated maintenance was performed in accordance with the current FAR's and is approved for return to service. Pertinent details of this repair are on file at this repair station on the above work order.

Signed:

CRS# HOQR040K

Date: 2-Sep-2020

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S 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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1940 Airport Court Ph 406-453-7613
 Great Falls, MT 59404 Fx 406-453-7204

Tail Number: N3574X Hobbs/Tach: 3262.28
 A/C Make: Piper A/C Model: Pa-28-236 Work Order: 82638

Removed Alternator P/N4111810 S/N H024961, Installed alternator P/N 4111810 S/N H-U031480. Ran A/C, Ops check good. Work performed referencing chapter 24 of PA-28-236 AMM.

I certify that the stated maintenance was performed in accordance with the current FAR's and is approved for return to service. Pertinent details of this repair are on file at this repair station on the above work order.

Signed: *Matthew Quives*
 CRS# HOQR040K Date: 14-Oct-2020

YEAR MO DATE	RECORDING TACH TIME	TODAY'S 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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1651 Aviation Place Billings, MT, 59105
 PH: (406) 259-5006 FAX: (406) 252-4369
 C.R.S. NH2R031L www.aerotrionics.com

N3574X Piper PA28-236 S/N 28-8011060 3088.9 hrs Hobbs 3304.83 hrs Tach April 23, 2021

Troubleshoot a message displayed of "GTN configuration module needs service" on the existing Garmin GTN-650 s/n 1Z8016673 with Main s/w v6.51. Reseated the mating connector for the configuration module within the GTN harness eliminated the message. In addition, **Garmin STC Service Bulletin 2105 Rev. A** was complied with, updating the operational software from v6.51 to v6.71. Following the s/w update, the existing Rev. 3 AFMS for the GTN-6XX/7XX Series unit was purged from the POH and replaced with a copy of the current AFMS document # 190-01007-A2 Rev. 10.

Gordon Dewey 2369526 W/O 202074 Date 4/23/21

R E	RECORDING TACH TIME	TODAY'S 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.)

EDWARDS



1691 Aviation Place Billings, MT 59105
 Certificated Repair Station HSRR811E

Date: 4/23/2021; Aircraft: N3574X; Type: PIPER PA-28-236; S/N: 28-8011060; Tach: 3305.26; Total Time: 3305.26

AIRFRAME LOG

1. Completed 100 Hour Inspection of Airframe per EJC 100 Hour/Annual Inspection Checklist, Form 1015.
2. Inspected and tested ELT system in accordance with FAR91.207(d). No defects noted. Next due: 30 April 2022 (12 mths).
3. Verified that AD2013-02-13 is not due until 26 May 2027 or 511.26 TTAF.
4. Verified that AD2017-14-04 has permanently complied with. Both oil cooler hose assemblies have been replaced with hoses that meet TSO-C53a, Type D requirements. No further action required.
5. Complied with AD76-07-12R1 (Amendment 39-3024) by performing a function test of Bendix ignition switch. No defects noted. Recurring every 100 Hours TIS. Next due: 3405.26 TTAF
6. Inspected logbooks and engine cylinders. Verified that AD2009-26-12 is not applicable to this aircraft. ECi cylinders are not installed.
7. Complied with AD98-01-06. Inspected carburetor data plate. Model MA-4-5 is installed and serial number begins with 750. One piece Venturi is installed. No further action is required provided engine does not run rough or experience power loss.
8. Complied with Piper Service Bulletin No.1357 by removing the access panels and performing the initial inspection of the LH and RH wing ribs at Wing Station (WS) 106.19 and WS 123.15 . Found all 4 ribs to be flat with no cracks. No further inspection required.
9. Installed the Door Steward door assist gas spring modification in accordance with STC# SA01120SE, Installation Instructions MVA-B40C10M&O, Revision E, August 1, 2019, Section A2 on cabin door. Weight and balance change is negligible.

YEAR 20____ DATE	RECORDING TACH TIME	TODAY'S 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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10. Installed the Knots 2U Pneumatic Luggage Door Strut Kit in accordance with STC# SA02022CH, Installation Manul No. 28LUG-M, Revision B, dated February 28, 2011. Weight and balance change is negligble.
11. Lubricated and adjusted cabin door controls.
12. Installed new fuel drain, PN CAV110 in RH fuel tank.
13. Inspected yoke bearings. Cleaned and dried bushing.
14. Checked function of all 4 floor vents. Operational check good.
15. Removed dual magneto, PN 10-382560-11, SN 29040 and sent for inspection. Installed dual magneto, PN 10-382560-11, SN 29040 inspected and repaired on 09 April 2021 by Kelly Aero, LLC of Montgomery, AL (CRS 9KJR356C) under Work Order 1922075. Timed magneto to engine and performed an operational check. Ops check good.
16. Installed a new stabilizer trim cable, PN MC62701-111. Checked rigging. Rigging checks good.
17. Lubricated elevator jack screw and performed an operational check. Operational check good.
18. Installed a new bonding strap on LH flap.
19. Removed parking brake assembly. Disassembled and cleaned. Installed new packings in parking brake assembly. Assembled and installed parking brake. Performed operational check and leak check. Ops check and leak check good.
20. Stop-drilled crack in RH elevator and applied epoxy.
21. Installed new bumper on nose landing gear scissor.
22. Installed a new pulley, PN 481-613 for stabilator trim.
23. Installed a new engine intake air filter, PN BA7112.

Complete details of work accomplished on this aircraft are on file at this agency under Work Order 23606. A copy has been provided to the owner.

I certify that this AIRFRAME has been inspected in accordance with an ANNUAL INSPECTION and was determined to be in airworthy condition.

For Edwards Jet Center: 

Signed: _____

DING	TODAY'S 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.)



1940 Airport Court Ph 406-453-7613
 Great Falls, MT 59404 Fx 406-453-7204

Tail Number: N3574X Hobbs/Tach: 3310.43
 A/C Make: Piper A/C Model: PA-28-236 Work Order: 83125

Installed landing gear wheel fairings.

I certify that the stated maintenance was performed in accordance with the current FAR's and is approved for return to service. Pertinent details of this repair are on file at this repair station on the above work order.

Signed: *Matthew Muiers*
 CRS# HOQR040K Date: 14-May-2021



1940 Airport Ct
Great Falls, MT 59404

Ph 406-453-7613

Tail Number: N3574X

Tach/Hobbs: 3362.42

Total Time:

A/C Make: Piper

A/C Model: PA-28-236

Work Order: 83386

Removed magneto, installed new L/H and R/H contact assemblies p/n 10-382585. Installed magneto and timed to engine. Ran engine, mag drops good, no defects noted. REF Bendix D-2000 MM.

I certify that the stated maintenance was performed in accordance with the current FAR's and is approved for return to service. Pertinent details of this repair are on file at this repair station on the above work order.

Signed:

Martin Wheeler

CSR# HOQR040K

Date: 125-Aug-2021

This altimeter has been inspected in accordance with FAR 43 Appendix E, Paragraph (b) to comply with Far 91.411

Signature *Martin S. Wheeler*

Date 05/03/2022 Work Order # 83963

HOLMAN AVIATION COMPNAY, CRS HOQR040K
GREAT FALLS, MONTANA

This transponder has been inspected in accordance with FAR 43 Appendix E, Paragraph (b) to comply with Far 91.411

Signature *Martin S. Wheeler*

Date 05/03/2022 Work Order # 83963

HOLMAN AVIATION COMPNAY, CRS HOQR040K
GREAT FALLS, MONTANA

This altimeter has been inspected in accordance with FAR 43 Appendix E, Paragraph (b) to comply with Far 91.411

Signature *Martin S. Wheeler*

Date 05/09/2022 Work Order # 83963

HOLMAN AVIATION COMPNAY, CRS HOQR040K
GREAT FALLS, MONTANA

Number of Inspections, Tests, Repairs and Alterations
to be endorsed with Name, Rating and Certificate Number of
Repair Facility. (See back pages for other specific entries.)



1940 Airport Ct
Great Falls, MT 59404

Ph 406-453-7613

3453.1 *by*

3453.1 *34*

Tail Number: N3574X

Tach/Hobbs: ~~3268.1~~

Total Time: ~~3268.1~~

A/C Make: Piper

A/C Model: PA-28-236

Work Order: 83386

Inspections: Performed an Annual inspection IAW approved CRS 100hr/annual inspection checklist and manufacturer's service manual.

Preform ELT inspection per CFR 91.207 (d). Batt. Due; JUN2024

All AD'S checked: No new AD's and all up to date.

All routine maintenance completed: Cabin; Lubed, operated trim and pulleys, control wheel, column for condition. Operation of fuel selector valve and cleaned fuel screen. Empennage; serviced Battery, cleaned Battery box. Lubed elevator hinges and check bearings for wear and horizontal stabilizer attachment. Lubed rudder. Wings; Lubed control cables pulleys, aileron hinge, bolts, bellcranks. MLG; inspected wheels, breaks, repacked bearings.

Repairs as listed: Installed new 38159-03 & 38159-07 heater shroud assy. Installed new 35640-17 R/H outbd doubler to aileron.

I certify that the stated maintenance was performed in accordance with the current FAR's and is approved for return to service. Pertinent details of this repair are on file at this repair station on the above work order.

Signed: _____

[Signature]
CSR# HOQR040K

Date: 03MAY22



1940 Airport Ct
Great Falls, MT 59404

Ph 406-453-7613

Tail Number: N3574X

Tach/Hobbs: 3456.2

Total Time: 3456.2

A/C Make: Piper

A/C Model: PA-28-236

Work Order: 84040

Inspections: N/A

All AD'S checked: N/A

Repairs as listed: Replaced P/N 452-766 bushing in nose gear torque links with new NAS6605-44 bolts IAW piper PA-28-236 MM 32-21-00 PARA. Assembly of nose Oleo Item 7. Replaced SK15171-302-637 Valve with new gasket and serviced nose strut with 5606 IAW PA-28 MM 12-22-00 Filling nose gear oleo strut.

I certify that the stated maintenance was performed in accordance with the current FAR's and is approved for return to service. Pertinent details of this repair are on file at this repair station on the above work order.

Signed: _____

[Signature]
CSR# HOQR040K

Date: 20MAY22



Tail Number: N3574X
A/C Make: Piper

Tach/Hobbs: 3458.8
A/C Model: PA-28-236

Total Time: 3458.8
Work Order: 84058

Inspections: N/A

All AD'S checked: N/A

Repairs as listed: Install Steve's Aircraft gascolator assembly in accordance with FAA approved STC SA01026SE, Installation instructions specified in approved models T.C. 2A13, and Document No. 3200-3-2 Date 7Nov2001 Rev. 1, dated 29JUL2003. Leak check good and FAA form 337 filled.

I certify that the stated maintenance was performed in accordance with the current FAR's and is approved for return to service. Pertinent details of this repair are on file at this repair station on the above work order.

Signed: [Signature]
CSR# HOQR040K

Date: 24MAY22

Number of Inspections, Tests, Repairs and Alterations
be endorsed with Name, Rating and Certificate Number of
Repair Facility. (See back pages for other specific entries.)

I certify that the transponder test and inspection required by FAR 91.413 has
been performed and found to comply with Part 43, Appendix F.

Unit: GTX-345 S/N: 3E6043146

Date: 7 Feb. 23 A/C Time: 3533.27

Reg#: N 3574X W/O# 215155

Signature: [Signature]
AEROTRONICS, INC. CRS NH2R031L #11

I certify that the altimeter, automatic pressure altitude reporting system and the
static system tests required by FAR 91.411 have been performed and found to
comply with Appendix E of Part 43 of this chapter. The altimeter and automatic
pressure reporting systems have been tested to: 215155 feet.

Date: 7 Feb. 23 Reg. #N 3574X

A/C Time: 3533.27 W/O# 215155

Signed: [Signature]
AEROTRONICS, INC CRS NH2R031L #1

RECORDING TACH TIME	TODAY'S 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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Aerotrronics, Inc. 1651 Aviation Place Billings, MT 59105 C.R.S. NH2R031L

Reg. #: N3574X Model: Piper PA28-236 AC S/N: 28- 8011060 Tach: 3533.3 W/O #: 21S155

Removed the existing avionics and accessories as listed in the equipment list update. Installed the Garmin GTN 750Xi nav/com/GPS, a FS 510 Bluetooth adapter with GMA 35C audio panel as per STC SA02019SE-D. The existing Garmin GA 35 GPS antennas was reused. Installed a Garmin GTX 345 mode S ADS-B system as per STC SA01714WI and a TSO'd GNC 255A nav/com. Installed a Garmin GAD 13 OAT adapter as per Garmin G5 installation manual p/n 190-01112-10 rev 29 under STC SA01818WI . Installed a Garmin GDL 69A XM weather/music receiver as per STC SA01487SE-D and a Garmin GA 55 XM antenna as per STC SA02018SE-D and two Mid Continent True Blue Power TA202 p/n 6430202-11 USB charger ports per the Mid Continent installation manual p/n 9017899 rev K. Removed the existing JPI EDM 800 EGT/CHT instrument and installed a JPI EDM 830 instrument using the existing interface and harness and added the missing rpm sensor p/n 420808, MAP sensor p/n 604010, oil pressure sensor p/n 306018 in accordance with the JPI STC SA2586NM. The work was completed as per the JPI installation Report 103 rev E. This exchange was evaluated and was considered a minor alteration.

Installed a Garmin GFC 500 autopilot system with pitch, pitch trim and roll as per STC SA 01866WI. Removed the pilot secondary instrument panel, the copilot secondary instrument panel. Fabricated the new upper instrument pilot panel and copilot overlay panel of .090 2024T3 aluminum. Installed PMA'd Nulite bezel lighting on unlit instruments. Fabricated the secondary lower circuit breaker subpanel overlay panel and left lower sub panel of .063 7075-0 aluminum. The new secondary instrument panels were painted, labeled and reinstalled using the existing mounts and additional AN/MS mounting hardware. Installed new Klixon pullable circuit breakers rated for the proper values using the existing mounts and AN hardware This work for the panel change was evaluated and is considered a minor alteration.

Removed the existing Piper glareshield assembly. Fabricated a new aluminum glareshield mount with attachment points to the existing instrument panel mounting hardware mounts. The glareshield assembly was upholstered by Aero Interiors using Tapis Ultra Leather Raven Wing Black with the materials meeting the burn certification as per FAR 25.853(a)Appendix F, Part I,(a),(ii). The glareshield was inspected after the recover and reinstalled as per the Piper maintenance manuals using the existing attachment points and hardware. See the burn certificates inserted into the permanent records. The work was evaluated and it was determined this is a minor alteration. An electrical load analysis was completed as per the manufacturer's installation instructions and AC 43.13 1B chapter 11 section 3 para 11-30 page 11-11 sections 11-30 thru 11-32 and there is no negative effect on the electrical load capability. The work was completed as per the manufacturer's STC documentation, Piper POH and maintenance manual and AC 43.13 1B and 2B Chapter 2 section 202, section 203 and Chapter 11 section 1103, 1104a, 1105 (g), 1106 (b) and as per the manufacturers' installation instructions and acceptable practices of AC 43.13 1B & 2B and AC20.138d. The weight and balance and equipment list were updated. The systems were functionally ground checked and flight checked as per the manufactures' installation and check out logs and operations were normal. The Garmin G5 instruments were updated to version 8.02 as per the Garmin Service Bulletin no. Bulletin No. 22123 rev A. with the AFMS rev 8 inserted into the POH.

Signed:  Date: 2-13-23



1940 Airport Ct
Great Falls, MT 59404

Ph 406-453-7613

Tail Number: N3574X

TACH: 3339.5

Hobbs Time: 3135.3

A/C Make: Piper

A/C Model: PA 28-236

Work Order: 83283

Work performed: Replaced aircraft battery with New RG-35AXC Concorde Battery IAW Piper maintenance manual 24-30-00 Pg. 1j13.

I certify that the stated maintenance was performed in accordance with the current FAR's and is approved for return to service. Pertinent details of this repair are on file at this repair station on the above work order.

Signed:
CRS# HOQR040K Date: 03AUG21



1940 Airport Ct
Great Falls, MT 59404

Ph 406-453-7613

Tail Number: N3574X

HOBBS: 3382.5

Tach Time: 3538.25

A/C Make: PIPER

A/C Model: PA 28-236

Work Order: 84702

0-540-J3A5D Lycoming Engine S/N L-22003-40A TT:3382.5 TSO: 1325.5
All routine maintenance completed: Drained engine oil, and serviced engine with 9 qts. of Aeroshell 80+. Removed AA48103-2 filter, cut open, Inspected for contamination, none noted. Installed New AA48103-2 filter and safety. Run up Engine and inspected for oil leaks. No leaks noted.

Tach = 3538.56

I certify that the stated maintenance was performed in accordance with the current FAR's and is approved for return to service. Pertinent details of this repair are on file at this repair station on the above work order.

Signed:
CRS# HOQR040K Date: 23FEB2023

DESCRIPTION
REPAIRS
FACTS
REPAIRS AND ALTERATIONS



1940 Airport Ct
Great Falls, MT 59404

Ph 406-453-7613

YEAR

Tail Number: N3574X

Tach: 3575.54

Total Time: 3575.54

A/C Make: Piper

A/C Model: PA-28-236

Work Order: 84895

RECORDING

TODAY'S

TOTAL

Inspections: Performed an Annual inspection IAW approved CRS 100hr/annual inspection checklist and manufacturer's service manual.

Preform ELT inspection per CFR 91.207 (d). Batt. Due; JUN2024

All AD'S checked: No new AD's and C/W AD76-07-12 R1 Bendix Ignition switch para 1. (a)(b)(c). No defect noted. Due: TT 3675.54

All routine maintenance completed: Cabin; Lubed, operated trim and pulleys, control wheel, column for condition. Operation of fuel selector valve and cleaned fuel screen. Empennage; serviced Battery, cleaned Battery box. Lubed elevator hinges and check bearings for wear and horizontal stabilizer attachment. Lubed rudder. Wings; Lubed control cables pulleys, aileron hinge, bolts, bellcranks. MLG; inspected wheels, breaks, repacked bearings.

I certify that the stated maintenance was performed in accordance with the current FAR's and is approved for return to service. Pertinent details of this repair are on file at this repair station on the above work order.

Signed:

CSR# HOQR040K

Date: 26MAY23

Description



1940 Airport Ct
Great Falls, MT 59404

Ph: 406-453-7613

Tach

Tail Number: N3574X

~~HOBS~~ Tach: 3605.30

Total Time: 3605.30

A/C Make: PIPER

A/C Model: PA 28-236

Work Order: 85150

0-540-J3A5D Lycoming Engine S/N L-22003-40A TT: ~~3324.4~~ TSO: ~~1267.4~~
 ~~3605.3~~ ~~1548.21~~

All routine maintenance completed: Drained engine oil, and serviced engine with 10qts of Aeroshell 100+. Removed AA48103-2 filter, cut open, Inspected for contamination, none noted. Installed New AA48103-2 filter and safety. Run up Engine and inspected for oil leaks. No leaks noted.

I certify that the stated maintenance was performed in accordance with the current FAR's and is approved for return to service. Pertinent details of this repair are on file at this repair station on the above work order.

Signed:

CSR# HOQR040K

Date: 03AUG2023



1940 Airport Ct
Great Falls, MT 59404

Ph: 406-453-7613

Tech

Tail Number: N3574X

~~HOBBS~~: 3638.8

Total Time: 3638.8

A/C Make: PIPER

A/C Model: PA 28-236

Work Order: 85406

0-540-J3A5D Lycoming Engine S/N L-22003-40A TT:3638.8 TSO: 1581.71

All routine maintenance completed: Drained engine oil, and serviced engine with 9qts of Aeroshell 80+. Removed AA48103-2 filter, cut open, Inspected for contamination, none noted. Installed New AA48103-2 filter and safety. Run up Engine and inspected for oil leaks. No leaks noted.

I certify that the stated maintenance was performed in accordance with the current FAR's and is approved for return to service. Pertinent details of this repair are on file at this repair station on the above work order.

Signed: _____

CSR# HOQR040K

Date: 04NOV2023



1940 Airport Ct
Great Falls, MT 59404

Ph: 406-453-7613

Tail Number: N3574X

TACH: 3644.6

Total Time: 3644.6

A/C Make: Piper

A/C Model: PA28-236

Work Order: 85535

Work performed: Removed and replaced Nose main wheel Assembly; with P/N 070-314-0 tire and P/N GL-1520B tube IAW Piper AMM P/N: 761-681; 32-42-00 Sections 1-5; 1-6, and figure 32-8. Ops check good. Leak checks good.

I certify that the stated maintenance was performed in accordance with the current FAR's and is approved for return to service. Pertinent details of this repair are on file at this repair station on the above work order.

Signed: _____

CSR# HOQR040K

Date: 19DEC2023

YEAR
REPAIRS
TOTAL
OPERATION OF INFORMATION
FACTS
DAMAGE
AND
ALTERATIONS



1940 Airport Ct
Great Falls, MT 59404

Ph 406-453-7613

Tail Number: N3574X

Tach: 3675.54

Total Time: 3675.54

A/C Make: Piper

A/C Model: PA-28-236

Work Order: 84895

Inspections: Performed an Annual inspection IAW approved CRS 100hr/annual inspection checklist and manufacturer's service manual.

Preform ELT inspection per CFR 91.207 (d). Batt. Due; 19APR2029

All AD'S checked: No new AD's and C/W AD76-07-12 R1 Bendix Ignition switch para 1. (a)(b)(c). No defect noted. Due: TT 3775.56

All routine maintenance completed: Cabin; Lubed, operated trim and pulleys, control wheel, column for condition. Operation of fuel selector valve and cleaned fuel screen. Empennage; serviced Battery, cleaned Battery box. Lubed elevator hinges and check bearings for wear and horizontal stabilizer attachment. Lubed rudder. Wings; Lubed control cables pulleys, aileron hinge, bolts, bellcranks. MLG; inspected wheels, breaks, repacked bearings. Replaced MLG brake discs PN 06-02000. Replaced Bushing in the stabilator trim Assy. Per. Piper MM 27-34-00 Para. 3-6 Ops. Check good.

I certify that the stated maintenance was performed in accordance with the current FAR's and is approved for return to service. Pertinent details of this repair are on file at this repair station on the above work order.

Signed:

[Signature]
CRS# HQQR040K

Date: 17MAY2024



1940 Airport Ct
Great Falls, MT 59404

Ph: 406-453-7613

Tail Number: N3574X

HOBBS: 3,724.65

Total Time: 3,724.65

A/C Make: PIPER

A/C Model: PA 28-236

Work Order: 86418

0-540-J3A5D Lycoming Engine S/N L-22003-40A TT:3,724.65 TSO: 1,667.55

All routine maintenance completed: Drained engine oil and took oil sample, serviced engine with 9 qts of Aeroshell 80+. Removed AA48103-2 filter, cut open, inspected for contamination, none noted. Installed new CH48103-1 filter and safety. Run up engine and inspected for oil leaks. No leaks noted.

Work Completed: Removed #1 Cylinder spark plugs, cleaned, inspected and rotated with Cylinder #3 spark plugs. Replaced #1 Cylinder intake line gasket with a new gasket (P/n 71973). Ran up engine with no defects noted.

Entered into log book wrong

I certify that the stated maintenance was performed in accordance with the current FAR's and is approved for return to service. Pertinent details of this repair are on file at this repair station on the above work order.

Signed:

[Signature]
CRS# HQQR040K

Date: 15NOV2024

YEAR 20
DATE

This aircraft's altimeter, static system and altitude reporting equipment has been inspected and tested in accordance with Appendix E to Part 43 to comply with 14 CFR 43.161. Pilot's altimeter tested to 20,000 ft. Co Pilot's altimeter tested to 20,000 ft.
Signature Andrew Wagoner
Work Order # 86719
HOLMAN AVIATION COMPANY, CR
GREAT FALLS, MONTANA

This aircraft's static system has been inspected and tested in accordance with Appendix E to Part 43 to comply with 14 CFR 91.411 (a)(2).
Work Order # 86719
Signature Andrew Wagoner
HOLMAN AVIATION COMPANY, CR
GREAT FALLS, MONTANA

This aircraft's ATC transponder system has been inspected and tested in accordance with Appendix F to Part 43 to comply with 14 CFR Part 91.413 (a).
Work Order # 86719
Signature Andrew Wagoner
HOLMAN AVIATION COMPANY, CR
GREAT FALLS, MONTANA

HOLMAN AVIATION COMPANY
FAA Certified Repair Station HOQR040K
1940 Airport Court • Great Falls, MT 59404

ALTIMETER/ENCODER CORRECTION CARD

Barometer	Altimeter	Encoder	Barometer	Altimeter	Encoder
-1000	-1000	-990	14,000	14,005	14,010
0	0	0	16,000	16,010	16,010
500	505	500	18,000	18,010	18,010
1,000	1,005	1,000	20,000	20,010	20,010
1,500	1,505	1,500	22,000	N/A	N/A
2,000	2,000	2,000	24,000		
3,000	3,005	3,000	26,000		
4,000	4,005	4,000	28,000		
6,000	6,005	6,000	30,000		
8,000	8,005	8,000	32,000		
10,000	10,005	10,010	35,000	↓	↓
12,000	12,005	12,010			

This aircraft's altimeter, static system and altitude reporting equipment has been inspected and tested in accordance with Appendix E to Part 43 to comply with 14 CFR 91.411 (a)(1).

Pilot's altimeter tested to 20,000 ft.

Co Pilot's altimeter tested to 20,000 ft.

Signature Andrew Wagon Date 3/6/25

Work Order # 86779

HOLMAN AVIATION COMPANY, CRS HOQR040K
GREAT FALLS, MONTANA

This aircraft's static system has been inspected and tested in accordance with Appendix E to Part 43 to comply with 14 CFR 91.411 (a)(2).

Work Order # 86779

Signature Andrew Wagon Date 3/6/25

HOLMAN AVIATION COMPANY, CRS HOQR040K
GREAT FALLS, MONTANA

This aircraft's ATC transponder system has been inspected and tested in accordance with Appendix F to Part 43 to comply with 14 CFR Part 91.413 (a).

Work Order # 86779

Signature Andrew Wagon Date 3/6/25

HOLMAN AVIATION COMPANY, CRS HOQR040K
GREAT FALLS, MONTANA

YEAR	RECORDING	TODAY'S	TOTAL	Description of Inspections, Tests, Repairs and Alterations
FLIGHT	FLIGHT	TIME IN		Entries must be entered with Name, Rating and Certificate Number of



Holman Aviation
 1940 Airport Ct
 Great Falls, MT 59404

Make: Piper
 Model: PA-28-236
 Tail: N3574X
 S/N: 28-8011060

Hours: Tach: 3,746.97 Hobbs: 3,622.4

Discrepancy: Comply with Annual Inspection
 Corrective Action: Annual inspection completed IAW AMM and CRS approved inspection form including but not limited to the following items: Inspected the propeller, prop backing plate, spinner; engine mounting security, cylinder compression, drained oil and changed filter and safeties, engine wiring, fuel system components, ignition system components including ignition leads and spark plugs, cleaned and tested spark plugs, checked mag timing to engine settings, drained fuel filter system and inspected fuel filters/screens, inspected and adjusted belt tensions, if applicable, inspected engine control system travels, inspected aircraft cabin for defects and security of systems and their operation, inspected landing gear system for condition and operation, cleaned and repacked wheel bearings if applicable, changed vacuum system filters, serviced battery, tested all electrical system components for operation and security, inspected and lubed aircraft control systems, conducted post inspection ground operational checks of the engine and related systems. For a complete list of all items inspected IAW FAR part 43 see the approved CRS inspection record for this aircraft. All defects noted during the inspection are listed as discrepancies noted in this work order and supplied to the customer. I certify this aircraft/engine/propeller has been inspected IAW an annual/100hr inspection and was determined to be in airworthy condition.

Discrepancy: Comply with AD research and Update.
 Corrective Action: Comply with AD inspections research and update AD log for airframe, engine, propeller, and accessories. ADs requiring inspection of the component, airframe, engine, or propeller have been listed as a discrepancies in the Work Order and a list provided to the owner.

Discrepancy: ELT Function Test
 Corrective Action: Tested and inspected ELT IAW ACK Model E-04 ELT Installation Manual Rev 1.12 Sect. 10 para (1-8) and FAR 91.207(d). Ops check good. Battery due: 4/19/2029 4/2029 JAW

Continued on next page



YEAR 20____ DATE	RECORDING TACH TIME	TODAY'S 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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PH: (406) 259-5006 FAX: (406) 252-4369
C.R.S. NH2R031L www.aerotrionics.com

N3574X Piper PA-28-236 S/N 28-8011060
3669.8 hrs Hobbs 0280.6 EDM Hobbs 3799.2 EDM Tach

Complied with **Garmin S/W Service Bulletin # 23047 Rev. A**, updating the operational s/w in both **Garmin G5** units. EADI s/n 4JQ016483 and EHSI s/n rJQ015403 both currently having Main s/w v8.26. The operational s/w was revised to v8.27. There are no changes to the associated AFMS with this s/w upgrade.

Complied with **Garmin STC Service Bulletin # 25031 Rev. A**, updating the operational s/w in the **Garmin GTN-750Xi** Nav/Comm/WAAS GPS unit currently having Main s/w v20.31. The operational s/w was updated to Main v21.02. The current AFMS for this system was removed from the aircraft POH and replaced with a copy of the current AFMS for this system, Garmin document # 190-01007-C2 Rev. 9 dated June 2025. A copy of the newest revision of the ICA for the Garmin GTN-6XXXi/7XXXi Garmin document # 190-01007-C1 Rev. 7 dated June 2025 was provided to be placed with the aircraft permanent records.

The existing **Garmin GNC-255A** Nav/Comm s/n 6MM012229 already has the current operating s/w of Display v3.02, Comm v2.02, Nav v2.03.

Complied with **Garmin STC Service Bulletin # 24042 Rev. A**, updating the operational s/w in the **Garmin GTX-345** transponder unit currently having Main s/w v2.80 and ADS-B s/w v3.40. The operational s/w was updated to Main v2.85 and ADS-B v3.51. The current AFMS for this system was removed from the aircraft POH and replaced with a copy of the current AFMS for this system, Garmin document # 190-00734-15 Rev. 6 dated May 2024.

The existing **Garmin GDL-69A** SXM remote XM receiver s/n 5P0001520 already has the current operating software of v5.51.

The existing **Garmin GFC-500** control panel model **GMC-507** s/n 5H1101687 already has the current operating software of v3.10. The three Garmin autopilot servos, model **GSA-28** Roll servo s/n 6N2005568, Pitch servo s/n 6N2005559 and Trim servo s/n 6N2005540 all have the current operating software of v5.46.

Gordon Dewey 2369526

W/O _____ Dated _____

250087 10/29/25

