



*The Standard*

**AIRCRAFT LOG**

ASA-SA-2

**Aircraft Record** General Information

*Book #19*

Manufacturer BEECH Model P35  
Serial D-7159 Registration Number N9774Y  
Date of Manufacture 4-2-1963

**Engine(s) currently installed:**

Manufacturer TCM Model I0-470-N Serial 94508-2-NR  
Manufacturer \_\_\_\_\_ Model \_\_\_\_\_ Serial \_\_\_\_\_

**Propeller(s) currently installed:**


Manufacturer \_\_\_\_\_ Model \_\_\_\_\_  
HUB Model \_\_\_\_\_ Serial \_\_\_\_\_ Serial \_\_\_\_\_  
Blade Model \_\_\_\_\_ Serial \_\_\_\_\_ Serial \_\_\_\_\_ Serial \_\_\_\_\_  
Blade Model \_\_\_\_\_ Serial \_\_\_\_\_ Serial \_\_\_\_\_ Serial \_\_\_\_\_

YEAR 20 <u>12</u> DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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August 17, 2012		Beech P35	S/N D-7159	N9774Y	ACTT- 5,144.8 hrs
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Removed vacuum directional gyro and Motorola ADF equipment. Installed owner supplied PMA'd replacement floating instrument panel. Installed an Aspen EFD1000 PRO, primary flight display (PFD) system, P/N 920-00003-010 in new panel, and relocated remaining flight instruments in panel. The PFD installation was done IAW STC 10822SC, see 337 for further details. All ground checks were conducted IAW the installation manuals called out in the 337 documents. This equipment is to be operated IAW the procedures contained in the flight manual supplement and Aspen operation manual. Installed Allied 854-0077 Sonalert in front panel that is interfaced to the PFD for altitude alert. Removed 502 ELT from baggage area and installed a ACK E-04 ELT aft of baggage wall. New 406 ELT has been installed with an external antenna on top side of tail cone and pilot control panel in instrument panel. ELT has been inspected IAW FAR 91.207 requirements for:

- 50% or more of its battery useful time remaining.
- Battery for corrosion and expiration date.
- Proper installation and operation of controls and crash sensor.
- Presence of sufficient signal radiated from its antenna.
- Battery expiration Date May 2017

Daniel Blackwell 3289766 A&P/IA 


YEAR 20 <u>12</u> DATE	RECOR TACH TIME
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<u>5/4/13</u>	<u>519</u>
	April 29, 2013
	Removed CBT2638
	Daniel Bla

**Repairs and Alterations**

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ACTT- 5,144.8 hrs

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YEAR 20 <u>12</u> 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.)
8-18-12			5147.5 hr TACH	Performed STATIC SYSTEM Check per FAR § 23.1325. System Leak c/HK @ 45' MIN. < 100 FT MAX. RTN FOR SERVICE LYN FORD AEP201345951 2484880 Rmn
5/4/13	5196.23			Installed overhauled Left & Right magnetos after overhaul by Columbia Aircraft Services, A/N 10-168060-1 S/N 927010 + 10-1630003 S/N 8110040. Toss attached  D. Blackwell NAP22945VIA

April 29, 2013

Beech P35

S/N D-7159

N9774Y

ACTT- 5,196 hrs

Removed existing KA134 audio panel and installed PS Engineering PMA8000BT audio panel, S/N  
CBT2538. Audio panel is interfaced to both nav/com radios and provides 4-place headset connections.

Daniel Blackwell 3289766 A&P

*Daniel Blackwell*

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**SERVICEABLE TAG**

PART No. <b>10-163020-3</b>	SERIAL No. <b>8112040</b>
QUANTITY <b>1 EA</b>	
MFG'S NAME <b>Bendix 56RN-201 MAGNETO</b>	
<p>The aircraft and/or component identified above was inspected in accordance with current Federal Aviation Administration Regulations and was found airworthy for return to service.</p> <p>#85-2 <u>Overhauled</u> <del>Repaired</del></p>	<p>Pertinent details of the repair are on file at this agency under work order No. <b>024701</b>.</p> <p>Date <b>2 MAY</b> 20<b>13</b></p> <p>Signed <i>Karl E. [Signature]</i> for Columbia Aircraft Services, Inc. - Bloomsburg, PA FAA R.S. #JM2R930K <b>ALL Ad's AND S/B WERE C/W</b></p>

**I/A/W Bendix O/H MANUAL X42002-2**

YEAR 20 DATE

**Repairs and Alterations**  
 (Certificate Number of  
 or other specific entries.)

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>
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Repair are on  
work order

20 13

s, Inc. -

L Ad's and S/B  
were c/w

**SERVICEABLE TAG**

PART No.  
10-163060-1

SERIAL No. 927012

QUANTITY 1 EA

MFG'S NAME

Bendix SGRN-205 MAGNETO

The aircraft and/or component identified above was inspected in accordance with current Federal Aviation Administration Regulations and was found airworthy for return to service.

#85-2

Overhauled / Repaired

Pertinent details of the repair are on file at this agency under work order

No. 024701

Date 2 MAY 20 13

Signed *Karl E. [Signature]*

for Columbia Aircraft Services, Inc. -  
 Bloomsburg, PA  
 FAA R.S. #JM2R930K

All Ad's + S/B  
were c/w

I/A/W Bendix O/H MANUAL X42002-2

DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
6/8/13	5203.47		5203.47	<p>Annual inspection completed this date. Checked and cleaned fuel systems. Flight Control System lubricated. Serviced brake fluid, fire extinguisher. Installed one D9-74-S Filter. (CW 9/1/07)</p> <p>(D) Annual ECT Battery inspection. ECT battery expires May 2017 AD 76-07-12R1 100 hour switch inspection CW, next due @ 5303.47. AD 89-05-02 100 hour Fitch inspection CW, next due @ 5303.47. AD 94-20-04R2 100 hour Vtail inspection CW, next due 5303.47. AD 99-24-10 SBVS 100 hour insp CW, next due 5303.47. AD 2007-08-08 100 hour Uplink Bolger CW. Next due 5303.47. Lubricated Landing gear, cycled Landing gear thru normal emergency, found to be satisfactory. Cleaned belly of aircraft. AD 95-04-03 Due for inspection @ 5218.65 PCTT →</p>

YEAR  
20  
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7/10/13

7/23/13

**Repairs and Alterations**  
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 or other specific entries.)

date checked  
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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>
				<p>I certify that this aircraft has been inspected in accordance with annual inspection and was determined to be airworthy and is approved for return to service.          6/16/13 net 5203.47 [Signature] 102294545</p>
	7/10/13	5229	37	<p>Installed new 10-4100572          ignition capacitors in Left &amp; Right          magnets. Operational check satisfactory.          [Signature] 102294545</p>
	7/23/13	5230	29	<p>Installed new 35-950004-71          Right exhaust tail pipe.          [Signature] 102294545</p>



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8/29/13	5249:60			Capit. and mtl inspection per FAR 5/132360 to find to be fixed at F. Brooks. Next inspection due 5749.60. Installed one M1735 1500-2 harness. <i>W. R. Derrickson</i>



PITTSBURGH AIR RADIO INC.  
ALLEGHENY COUNTY AIRPORT  
WEST MIFFLIN, PA 15122  
412-469-8400  
F.A.A. AZ1R026K

N9774Y June 3, 2014  
Updated Garmin GNS-530W software to version 5.10 I.A.W. SB 1401.  
(W/O #58670)

*W. R. Derrickson*

William R Derrickson



PITTSBURGH AIR RADIO INC.  
ALLEGHENY COUNTY AIRPORT  
WEST MIFFLIN, PA 15122  
412-469-8400  
F.A.A. AZ1R026K

A/C Reg. # N9774Y  
ACTT: 5322.76 (TACH)

Date: 6/9/14  
W/O # 58686

THE FOLLOWING TESTS AND INSPECTIONS HAVE BEEN PERFORMED:  
THE AIR DATA COMPUTER TESTS REQUIRED BY FAR 91.411 I.A.W.  
APPENDIX E OF PART 43. THE AIR DATA COMPUTER WAS TESTED TO  
20000 FEET.

*John A. [Signature]*



PITTSBURGH AIR RADIO INC.  
ALLEGHENY COUNTY AIRPORT  
WEST MIFFLIN, PA 15122  
412-469-8400  
F.A.A. AZ1R026K

A/C Reg. # N9774Y  
ACTT: 5322.76

THE FOLLOWING TESTS AND INSPECTIONS HAVE BEEN PERFORMED:  
THE STATIC SYSTEM TESTS REQUIRED BY FAR 91.411 I.A.W. APPENDIX E OF PART 43.  
THE ALTITUDE TESTS REQUIRED BY FAR 91.411 I.A.W. APPENDIX E OF PART 43.  
THE ALTITUDE TESTS REQUIRED BY FAR 91.411 I.A.W. APPENDIX E OF PART 43.  
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A/C Reg. # N9774Y  
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-11/14	5322.76	5322.76	<p>Annual inspection completed this date  Fuel screen checked &amp; cleaned. Flight  controls &amp; Landing gear system inspected.  Service brake fluid. Installed 1/19-145  Filter. (1/19-207) inspection of EIT, battery  exposed March 2017. C/W balance inspection  of SW 76-57-12K1 next due 5422.76.  C/W balance inspection of Pitt, next due 5422.76.  C/W balance inspection of V tail, next due 5422.76.  C/W balance inspection of SBUS, next due 5422.76.  C/W balance inspection of uplock roller, next due  @ 5422.76. per AD 2007-08-08. Replaced  left tire 650x 86 ply flight cushion. Check  wheel bearings &amp; greased. Replaced left  uplock unlatch pin 354815/09. C/W  flight gear thru normal &amp; emergency operations  &amp; found to be satisfactory. Replaced  left muffler &amp; right muffler - 1/19/14</p>
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YEAR 20 DATE	RECORDING TACH TIME
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1-29-15, BECC  
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**Repairs and Alterations**

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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.)
				9 4/R701-04. Tightened Generator belt. Checked belt of aircraft. I certify that this aircraft has been inspected in accordance with annual inspection has determined to be airworthy and is approved for return to service. Keith Ynett 532276 (Signature)

1-29-15, BEECHCRAFT, M/N P35, S/N D-7159, TACH READS 5384.43  
REMOVED EXISTING GENERATOR, VOLTAGE REGULATOR AND RELATED COMPONENTS AS NECESSARY.  
INSTALLED PLANE POWER ALTERNATOR CONVERSION KIT NUMBER SAL 12-70C, S/N A2-143410, IN  
ACCORDANCE WITH STC# SA10682SC. SEE FAA FORM 337 DATED 1-29-15 FOR PERTINANT DETAILS.  
AIRCRAFT WEIGHT AND BALANCE AND EQUIPMENT REVISED.  
RANDALL CHARLES A&P 2857342 IA  
Randall Charles

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.)
7/17/15				This Aircraft has Been Inspected and has Been found safe for the intended flight in accordance with special flight permit. Dated 7/17/15 <i>Craig McCallister</i> A-C# 513064190

YEAR 20____ DATE	RECORDING TACH TIME

MAKE  
Beechcraft-R  
MODEL P35  
S/N D-7159  
REG. NO. 97  
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**Airframe**

Annual Inspec  
Revised 35-5  
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**Repairs and Alterations**  
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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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MAKE:  
 Beechcraft-Raytheon  
 MODEL: P35  
 S/N: D-7159  
 REG. NO: 9774Y  
 WORK ORDER: 15127



**Mangon Aircraft, Inc.**

501 Sky Ranch Drive  
 Petaluma, CA 94954-3908  
 Phone: (707) 765-1848

DATE: 12 February, 2016  
 A/C TSN: 5394.44  
 TACH: 5394.44

**Airframe Entries**

Annual Inspection requirements of, FAR 91.409 (a) (1), completed using Beechcraft / Raytheon Service Manual 35-590096B, Reissue, Nov.15, 1960, Revised 35-590096B20, Dtd. Sep. 03, 2001, 100 hour inspection guide. See following corrected discrepancies.... ELT completed with FAR 91.207 (d), inspection, battery expiration, and impact signal testing. See AC43-13-1B, Sec. 12-22, a. thru f. Next test date due at 2/28/17 and battery replacement due at 5/30/2017.... Engine air filter Brackett air filter assembly installed I/A/W continued airworthiness requirements instructions per Brackett Air filter Document I-194.... Battery complied with Manufacture capacitance check for annual certification. Removed battery, cleaned, inspected, charged for two hours, performed capacitance test, recharged to specifications, serviced and installed. Battery passed at 100%. Due again 07/2016.... Dzus fastener for right cowling forward position installed with new locking collar.... Dzus fastener for left cowling forward position reinstalled with new locking collar.... Exhaust system oil deflector/heat shield positioned correctly.... Exhaust stack Lt. side cylinders #2, 4 & 6 removed and replaced. Holes drilled for EGT system. Tailpipe connected at ball joint and safetied. Tailpipe secured at firewall with brackets, clamps, hangers and all hardware safetied.... Firewall hole repaired with a stainless steel doubler patch installed on cabin side for pilot's side near tail pipe exhaust hanger support brackets.... Vacuum central filter removed and replaced I/A/W Airborne Service Letter 59A.... Airworthiness Directive records for all components brought up to date I/A/W FAR 91.417 (a)(2)(v) and made part of this aircraft's records.... A.D. 76-07-12 R1 Eff. date 08/30/1977. Bendix Ignition Switch, grounding complied with Para. 1, (a), (b), and (c), grounding function was satisfactory. Due again in 100 hrs. at 5494.44 hrs.... A.D. 89-05-02 eff. date 03/24/1989 Raytheon/Beechcraft elevator control fittings inspection complied with by visual inspection. No defects or cracks found. Inspection due again at 5494.44 hrs.... A.D. 94-20-04 R1 eff. date 6/27/2003 Raytheon/Beechcraft V-tail structural inspection complied with para (d)(3),(i),(ii),(iii) of A.D. Visually inspected the fuselage skin and around the bulkhead fuselage stations FS 256.9 and FS 272 for damage. No damage or cracks found.... A.D. 99-24-10 eff. date 01/14/2000 Precise Flight, Inc. Standby vacuum system 12 month inspection of control cable, and 24 month inspection of shuttle valve complied with by inspection I/A/W Precise Flight, Inc Instructions for Continued Airworthiness, no defects found. Para (b) (1) next due at 2/2016 and Para. (b) (2) next due at 2/2018.... A.D. 2007-08-08 Eff. 05/25/2007 Raytheon/Beechcraft Landing gear uplock roller lubrication complied with by inspection and lubricating left and right main landing gear rollers.... Nose gear door push pull control rod ends adjusted to remove excessive play and re-safetied. Gear swung though 3X times normal operation.... Tail pipe hanger firewall brackets Lt. inboard and outboard removed and replaced.... Grommets for tail pipe brackets removed and replaced.... Tail pipe hanger firewall brackets Rt. outboard and inboard removed and riveted in place. Tail pipe and muffler installed, clamps tightened and safetied.... Cowl flap Rt. push pull control lower rod end jam nut re-tightened.... Brake linings and discs Rt. & Lt. main wheels removed and replaced. Linings and discs conditioned IAW Cleveland conditioning procedures.... Right Main tire assembly removed. Disassembled wheel assembly. Inner tube, bearings, races, and wheel halves, cleaned & inspected. Repacked bearings with Aeroshell 22. Replaced tire with new and installed tire and original inner tube on wheel halves, torqued nuts to 150 in. lbs. per manufacturer. Installed wheel assembly on axle, torqued to 40 in. lbs. and safetied. Serviced tire to 30 psi.... Baffle Lt. front governor access panel attach points repaired with doubler patch and riveted in place.... Baffle Lt. rear cracks and hole covered with doubler patch and riveted in place.... Inter-cylinder baffle for cylinders #2 & 4 removed and replaced.... Baffle Rt. rear support bracket repaired with a doubler patch.... Inter-cylinder baffle for cylinders #1 & 3 removed and replaced.... Alternator belt tensioned to specifications and safetied. All work completed I/A/W Beechcraft Service Manual and Plane Power installation instructions. Operational check satisfactory.... Nose section pan for wheel well

*CONTINUED* →

YEAR  
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DATE

Rt. side crack repaired in accordance w/ AC 43.13-1B, Chap. 4, Sec. 4. Doubler patch installed on inside of wheel well.... Nose section pan for wheel well  
Lt. side crack repaired in accordance w/ AC 43.13-1B, Chap. 4, Sec. 4. Doubler patch installed on inside of wheel well.... Steering idler arm bushing  
removed and replaced. Hardware removed and replaced to access bushing removal. Safeties installed as needed.... Nose section center pan for wheel  
well Lt. side near Lt. side pan crack repaired in accordance w/ AC 43.13-1B, Chap. 4, Sec. 4. Nose wheel steering strut disconnected to provide access  
during repair. Doubler patch installed on inside of wheel well. Nose wheel steering strut reconnected and safetied.... Exhaust tailpipe Rt. side clamp  
removed and replaced.... Inboard main gear Rt. door lightning holes cleaned and installed 2 Ceconite covers.... Up lock roller on left gear adjusted  
to .015". Gear swung through 3X times normal operation. Operational checked good.... Air intake plenum removed and replaced. Support box aft of  
plenum removed to install plenum assembly. Cowl flap push pull control rod removed for access. Plenum installed onto box assembly and plenum  
assembly installed to airframe. Cowl flap control rod installed. Flexible duct, used serviceable, installed from plenum to servo. Drain line installed.... Drilled  
and installed rivets in left and right nose bowl flange.... Fuel pump fresh air Scat duct relocated to aft engine baffle left. Blast tube hole on tunnel repaired  
with fabricated patch and riveted in place.... Nose section row of damaged rivets removed and replaced.... Engine compartment flexible fluid carrying  
hoses removed and replaced. Ground run up performed. No leaks noted. Ops check good.... Engine controls throttle, mixture and propeller removed and  
replaced. Controls rigged for stop to stop operation and safetied.... Propeller governor removed and sent for overhaul. Re-installed governor after overhaul  
by CRS #S5UR963J. Control rigged for stop to stop operation and safetied. No leaks noted. Ops check good.... Ignition switch jumper wire removed from  
right magneto lug on switch and starter vibrator box removed.

AIRCRAFT GROUND OPERATED, ALL SYSTEMS CHECKED NORMAL.  
I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIREMENTS OF A ANNUAL INSPECTION AND WAS  
DETERMINED TO BE IN AIRWORTHY CONDITION.

DATE: 12 February, 2016

SIGNED:

Michael Tillman, A&P: 2845176 IA

Work Order: 15127

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Reg # N9774

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

**Reg # N9774Y MFG Beechcraft Model P35 Serial # D-7159**  
**Tach 5435 TT 5435 Hr Meter 5435**

- Researched AD's thru 2017-02 (summary provided) AD89-05-02 complied with by inspection, satisfactory, next due 5535, AD94-20-04R2 complied with by inspection, satisfactory, next due 5535, AD97-14-15 complied with by installation of serviceable handle, due next removal, AD07-08-08 complied with by inspection / lubrication, satisfactory, next due 5535, AD76-07-12 complied with by functional test, satisfactory, next due 5535, AD78-05-06 DNA, AD99-24-10 complied with by inspection, satisfactory, next due 2/2018
- Updated POH as needed, removed non-applicable supplements, added missing supplements for Aspen EFD, Garmin 530W, McCauley propeller
- Removed landing gear motor for 500 hour inspection by Aircraft Systems (WO# 51933)
- Rigged cowl flaps IAW Beech MM, re-located air oil separator outlet duct to allow closure
- Trimmed and fitted nose gear doors and RH outer gear door as needed
- Replaced tail nav bulb GE93
- Replaced all brake hoses; 111417-4S0140 hose assy (2ea), 111502-4S0124 hose assy (2ea), 111417-4S0100 hose assy (2ea), 111417-4S0106 hose assy (2ea), bleed system with 5606 fluid IAW Beech MM
- Inspected ELT IAW FAR 91.207 (d), satisfactory, replaced Lithium batteries, next due 2/2021
- Rigged V tail IAW Beech MM, adjusted primary cable length, rigged elevator cable tensions, rigged rudder cable tensions, rigged tab cable tensions (bell-crank to horn), loosened LH lower tab clevis bolt as needed. Test flew aircraft, adjusted tabs for RH adverse yaw IAW Beech MM, re-test flew satisfactory
- Replaced RH upper wing bolt cover clip 35-105005-4, re-painted both RH covers with wing walk as needed
- Re-attached fuel strainer door drain tube by welding, GTAW method IAW AC43.13
- Replaced inner cabin door handle with owner supplied serviceable spare to comply with AD97-14-15
- Tightened all 4 ruddervator hinge bolts as needed
- Replaced all 3 nose gear retract rod end bearings 2ea ADNE5-323, 1ea HML6-M
- Replaced 49-00003-001 Aspen battery (next due 2/2020)
- Tightened up nose wheel steering as needed, added zerk to steering idler, replaced bushing A-779, added idler shims, replaced yoke shim washer, re-installed 2 bolts in correct orientations as needed
- Re-installed canvas uplock covers on correct sides
- Landing gear rigging; tightened LH lower drag link bolt, tightened LH rear main gear trunnion bolt, tightened LH inner gear door linkage, tightened RH lower drag link bolt, tightened RH inner gear door linkage, tightened lower & upper nose gear drag link bolts, replaced nut on nose upper drag link with required castellated type, tightened LH nose gear trunnion bolt, adjusted nose gear up force and down deflection, adjusted both dynamic brake switches, adjusted RH outer gear door closure and nose gear door closures, adjusted LH uplock clearance, system inspected IAW Beech MM
- Re-applied red paint on emergency exit window pins per AD84-09-01
- Removed all spark plug type CHT probes on GEM and replaced with 5ea serviceable bayonet probes as it should be and 1ea Insight CHT adapter probe PRB-2856
- Replaced battery box drain hose with tygon as needed, capacity tested main ships battery satisfactory
- Replaced 2ea A-11540 flap roller bearings on RH flap, 1ea MS25083-2BB6 bonding strap, and 1ea broken actuating bracket screw as needed, tightened screws on LH side
- Serviced struts with 5606 fluid and nitrogen IAW Beech MM, RH would not service, re-sealed RH strut as needed, replaced seals and scraper 504271
- Cleaned extensively in rear fuselage, cleaned under floorboards
- Adjusted engine controls as needed



VORTEX AVIATION  
 CRUISE # 21AR049M

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

Make: Beech  
 Work Order: 2058

**Log Book Entry**  
 CRS #: 21AR049M

Model: P35 S/N: D-7159  
 Tach: 5435.09



Reg No: N9774Y  
 Date: 02/23/2017

**Airframe Entries:**  
 I certify that the altimeter, static system, and transponder have been tested and found to comply with the requirements of FAR 91.411 and 91.413 and part 43 appendices E and F.  
 Performed main software update on Garmin GNS530W from 5.10 to 5.30 IAW Garmin SB 1606 Rev. A Feb. 15, 2016.  
 Performed main software update on Aspen EFD1000 from 2.6.2 to 2.8.2 IAW Aspen SB2015-04 Sept. 17, 2015.  
 Performed post operational checks IAW Manuals noted above and aircraft POH, with no faults noted.  
 The aircraft, component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are at this facility under the above W.O. number.

DATE: 2/23/17 SIGNED: [Signature]

Y  
2  
D

Reg No: N9774Y  
 Model: P35  
 Serial #: D-7159

Researched CTS thru 2/15/17 (summary provided) AD88-05-02 complied with by inspector, satisfactory, next due 5541, AD94-20-0492 complied with by inspection, satisfactory, next due 5541, AD07-05-08 complied with by inspection / lubrication, satisfactory, next due 5541, AD79-07-12 complied with by functional test, satisfactory, next

ons, Tests, Repairs and Alteration  
h Name, Rating and Certificate Number of  
(See back pages for other specific entries



Reg No: N9774Y  
Date: 02/23/2017

been tested and found to  
off 43 appendices E and F.  
10 to 5.30 IAW Garmin SB 1606  
to 2.8.2 IAW Aspen SB2015-04  
and aircraft POH, with no  
inspected in accordance with  
is approved for return to  
.O. number.

Reg# N9774Y MFG Beechcraft Model P35 Serial # D-7159  
Tach 5441 TT 5441 Hr Meter 5441

- " Researched AD's thru 2018-04 (summary provided) AD89-05-02 complied with by inspection, satisfactory, next due 5541, AD94-20-04R2 complied with by inspection, satisfactory, next due 5541, AD07-08-08 complied with by inspection / lubrication, satisfactory, next due 5541, AD76-07-12 complied with by functional test, satisfactory, next due 5541, AD99-24-10 complied with by inspection, satisfactory, next due 3/2019
- " Inspected ELT IAW FAR 91.207 (d), satisfactory, batteries next due 2/2021
- " Landing gear rigging; tightened both FWD trunnion bolts on main gear, adjusted both uplock cable tensions, system inspected IAW Beech MM
- " Replaced battery with Concorde RG35AXC IAW Wilco STC SA000638WI (see 337 dated 3/6/2018)
- " Documented previous installation of Rosen Sun visors (see 337 this date)
- " Serviced struts with 5606 fluid and nitrogen IAW Beech MM
- " Adjusted engine controls as needed
- " Lubricated airframe with LPS 2 and Aeroshell 5 as required
- " Inspected airframe IAW 100 hour checklist per Beech MM
- " Replaced inst air filter D9-14-5
- " Removed cabin step for repair and re-chrome, re-installed after
- " Replaced upper and lower engine cowling fasteners with Milspec Products STC SA03066AT (see 337 this date)
- " Loosened co-pilot RH rudder pedal latch pin as needed
- " Repaired armrest as needed
- " Relocated pilot and co-pilot headset connector plugs from kick panels to under panel for better support and more typical installation
- " Aligned pitch adjustment IAW Aspen 900-00003-001 with plane in leveled flight condition, aligned roll with same procedure to maximum allowable, still 1.2 degrees off due to installation issue (2 degree max adjustment allowed in unit, which is how adjusted now)

I certify this aircraft was inspected in accordance with an Annual inspection and is determined to be in airworthy condition. Returned to service this date.

Signature: [Signature] Date: 3/14/2018  
David Beaver AP 3097750 IA 8320 Thora Lane, #F-1, Spring, TX 77379, 281-376-6664

55


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

Reg # N9774Y MFG Beechcraft Model P35 Serial # D-7159  
 Tach 5441 TT 5441 Hr Meter 5441

" Removed GEM610 and installed Insight G2 upgrade kit including OAT probe and fuel flow signal adapter IAW STC SA02930NY and the associated installation instructions. See 337 this date)

Returned to service this date.

Signature:  Date: 5/17/2018  
 David Beaver AP 3097750 IA 8320 Thora Lane, #F-1, Spring, TX 77379, 281-376-6664

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**Repairs and Alterations**

(Certificate Number of  
or other specific entries.)

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YEAR	RECORDING TAG	TODAY'S FLIGHT	TOTAL TIME IN	Description of Inspections, Tests, Repairs and Alterations
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DAI

(Certificate Number of  
pages for other specific entries.)

**Aircraft Maintenance Record**

Tail Number: N9774Y Serial Number: D-7159  
Work Order Number: 3066 Date: 02/08/2019

Perform 91.411/91.413 Checks:

Performed tests required by 14CFR Part 91.413 in accordance with paragraph (c) Appendix E and Appendix F of 14CFR Part 43.

Transponder (AT-150) - P/N- AT-150 S/N- 43351

Altimeter(s), Altitude Reporting equipment and Static system required by 14CFR Part 91.411 have been performed in accordance with 14CFR Part 43 Appendix E.

Aspen EFD1000 Pro PFD - P/N- 9100-00001-001 S/N- 11535  
Standby Altimeter - P/N- 22-977 S/N- 5057

The aircraft and/or component listed on this WO 3066 were repaired and inspected I/A/W current FAA Regulations and are approved for return to service.

OutRight Avionics, LLC.  
10078 Airport Road  
Conroe, TX 77303  
CRS # 80AR732L

SIGNED: *John M. [Signature]*

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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Airframe Log Entry

Reg # N9774Y MFG Beechcraft Model P35 Serial # D-7159  
Tach 5446 TT 5446 Hr Meter 5446

- " Researched AD's thru 2019-04 (summary provided) AD89-05-02 complied with by inspection, satisfactory, next due 5546, AD94-20-04R2 complied with by inspection, satisfactory, next due 5546, AD07-08-08 complied with by inspection / lubrication, satisfactory, next due 5546, AD76-07-12 complied with by functional test, satisfactory, next due 5546, AD99-24-10 complied with by inspection, satisfactory, next due 2/2020
- " Removed ELT for repair by ACK (WO# R186)
- " Inspected ELT IAW FAR 91.207 (d), satisfactory, batteries next due 11/2023
- " Landing gear rigging; system inspected IAW Beech MM, satisfactory
- " Capacity tested main ship battery satisfactory
- " Serviced struts with 5606 fluid and nitrogen IAW Beech MM
- " Lubricated airframe with LPS 2 and Aeroshell 5 as required
- " Inspected airframe IAW 100 hour checklist per Beech MM
- " Replaced lower beacon with Whelen 01-0771080-55
- " Removed & re-installed aux fuel boost pump for overhaul by CJ Aviation (WO# 28655)
- " Cleaned wing bolts & bath tub fittings and treated with corrosion X as needed
- " Inspected aileron turnbuckles IAW ABS recommendation letter 2/8/2019, satisfactory
- " Tightened LH fuel access covers and re safety wired as needed

I certify this aircraft was inspected in accordance with an Annual inspection and is determined to be in airworthy condition. Returned to service this date.

Signature: DMS Date: 2/20/2019  
David Beaver AP 3097750 IA 8320 Thora Lane, #F-1, Spring, TX 77379, 713 851-8960

YEAR	RECORDING
20	Airframe Log Entry
DA	Reg # N9774Y MF
Tach	5457 TT 5

- " Researched AD's thr inspection, satisfactor
- " satisfactory, next due
- " satisfactory, next due
- " due 5557, AD99-24-1
- " AD19-23-10 complie
- " Inspected ELT IAW F
- " Landing gear rigging
- " linkage, system inspe
- " Capacity tested main
- " Serviced struts with 5
- " Lubricated airframe w
- " Inspected airframe IA
- " Cleaned wing bolts &
- " Replaced nose tire 50
- " Replaced Aspen batte
- " Replaced inst air filter

I certify this aircraft was ins  
be in airworthy condition.

Signature: DMS  
David Beaver AP 3097750

**Repairs and Alterations**

ing and Certificate Number of  
ges for other specific entries.)

**YEAR RECORDING TODAY'S TOTAL Description of Inspections, Tests, Repairs and Alterations**

20 Airframe Log Entry

**DAI** Reg # N9774Y MFG Beechcraft Model P35 Serial # D-7159  
Tach 5457 TT 5457 Hr Meter 5457

- " Researched AD's thru 2020-10 (summary provided) AD89-05-02 complied with by inspection, satisfactory, next due 5557, AD94-20-04R2 complied with by inspection, satisfactory, next due 5557, AD07-08-08 complied with by inspection / lubrication, satisfactory, next due 5557, AD76-07-12 complied with by functional test, satisfactory, next due 5557, AD99-24-10 complied with by inspection, satisfactory, next due 5/2021, AD19-23-10 complied with by inspection, satisfactory
- " Inspected ELT IAW FAR 91.207 (d), satisfactory, batteries next due 11/2023
- " Landing gear rigging; tightened RH uplock cable tension, tightened LH inner gear door linkage, system inspected IAW Beech MM, satisfactory
- " Capacity tested main ship battery satisfactory
- " Serviced struts with 5606 fluid and nitrogen IAW Beech MM
- " Lubricated airframe with LPS 2 and Aeroshell 5 as required
- " Inspected airframe IAW 100 hour checklist per Beech MM
- " Cleaned wing bolts & bath tub fittings and treated with corrosion X as needed
- " Replaced nose tire 500-5 4 ply Michelin Air & 500-5 tube
- " Replaced Aspen battery 409-00003-001, next due 5/2023
- " Replaced inst air filter D9-14-5

I certify this aircraft was inspected in accordance with an Annual inspection and is determined to be in airworthy condition. Returned to service this date.

Signature: *David Beaver* Date: 5/12/2020  
David Beaver AP 3097750 IA 8320 Thora Lane, #F-1, Spring, TX 77379, 713 851-8960

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ges for other specific entries.)







YEAR  
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DATE

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TODAY'S  
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Description of Inspections, Tests, Repairs and Alterations  
Entries must be endorsed with Name, Rating and Certificate Number of

or other specific entries.)

CRYSTAL AVIONICS, LLC

1746 Entrance Drive

New Braunfels, TX 78130-2742

FAA CERTIFICATED REPAIR STATION YVCR493Y

Registration N9774Y

Model No. P35

Serial No. D-7159

Hobbs

Tach

Work Order No.

4346

REMOVED NARCO AT150 TRANSPONDER.

INSTALLED GARMIN GTX 345 ADSB TRANSPONDER S/N 3EG041426 IAW GARMIN GTX 345 PART 23 AML STC  
INSTALL MANUAL No. 190-00734-10, REV 14, DATED JANUARY 1, 2020 AND AML STC SA01714W1. INSTALLED NEW  
C1105-16 ANTENNA S/N 44336. SENT OUT GARMIN GNS530W OUT FOR REPAIR P/N 011-01064-00 S/N 23820961. WEIGHT  
AND BALANCE NEGLIGIBLE.

The aircraft/component identified above was maintained or altered in accordance with current regulations of the Federal Aviation  
Administration and is approved for return to service for the work performed. All disrupted systems were restored and functionally  
tested in accordance with manufacturer's instructions. Pertinent details of this repair are on file at this repair station under the  
referenced Work Order Number: 4346

Date: 3-28-2021

Authorized Signature:

AR

RECORD

N: 9774Y

Date: 3-28-2021

FAA # 91413

CRYSTAL AVIONICS LLC

1746 Entrance Dr.  
New Braunfels, Texas 78130  
(830) 225-3838  
FAA Repair Station YVCR493Y

...s, Repairs and Alterations  
Rating and Certificate Number of  
or other specific entries.)

**CRYSTAL AVIONICS LLC**  
1746 Entrance Dr.  
New Braunfels, Texas 78130  
(830) 626-3838  
FAA Repair Station YVCR493Y

N: 9774 Y  
Date: 3-28-2021  
FAR 91.413

Details of this inspection are filed under Repair Station Work Order No: 4346  
Automatic Pressure Reporting System Tested To: 20,000  
No. 1 Transponder: Model: GTx345 S/N 3EG041426 Tested On: 3-28-2021  
No. 2 Transponder: Model: N/A S/N N/A Tested On: N/A

I certify that the ATC Transponder reporting equipment and inspections required by FAR 91.413 have been performed in accordance with FAR43, Appendix F. I found these systems to be in Airworthy condition and approve these systems for return to service.

Date: 3-28-2021 Signature: [Signature]  
FAA CERTIFIED REPAIR STATION YVCR493Y

Form# CA-09 - V2.0 - 1/15/09

**CRYSTAL AVIONICS LLC**  
1746 Entrance Dr.  
New Braunfels, Texas 78130  
(830) 626-3838  
FAA Repair Station YVCR493Y

N: 9774 Y  
Date: 3-28-2021  
FAR 91.411

Details of this inspection are filed under Repair Station Work Order No: 4346  
System Tested To: 20,000 FT  
Pilot's Altimeter: P/N: FFD1000 S/N 11535 Tested To: 20,000 FT  
~~#2~~ Pilot's Altimeter: P/N: 22-977-02 S/N 5057 Tested To: 20,000 FT

I certify that the Altimeter & Altitude reporting equipment test and inspections required by FAR 91.411 have been performed in accordance with FAR43, Appendix E. I found these systems to be in Airworthy Condition and Approve these systems for return to service.

Date: 3-28-2021 Signature: [Signature]  
FAA CERTIFIED REPAIR STATION YVCR493Y

Form# CA-08 - V2.0 - 1/15/09

YEAR  
RECORDING  
TODAY'S  
TOTAL  
Description of Inspections, Tests, Repairs and Alterations  
of  
(ies.)

# ENGINE

YEAR 20____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Re</b> Entries must be endorsed with Name, Rating & Technician or Repair Facility. (See back pages)
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DECEMBER 13, 2021

N9774Y

TACH: 550.24

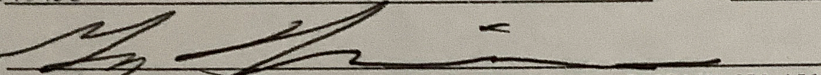
Removed and sent for repair autopilot computer P/N 0131-1-0 S/N 621. Received from repair and reinstalled. System function check good.

THE AIRCRAFT AIRFRAME, AIRCRAFT ENGINE, PROPELLER, OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER

W/O NO. 79438

DATE December 13, 2021

SIGNED

  
GREG REIMERS FOR WIPAIRE, INC. CRS RJWR390K PHONE 651.451.1205



## WESTE Skyway

Engines Are Our ONLY Business

21 CREATIVE PL. • MONTROSE, CO  
(970) 249-0232 • 800-575-9929 • FAX (970)



# ENGINE

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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Sierra Hotel Aero, Inc. 1690 Aeronca Ln, So St Paul, MN 55075  
 May 23, 2022 N9774Y S/N D-7159 TACH 5558.03

Replaced PN 409-00003-001 Aspen Avionics Battery, SN 193000068. Lower transponder antenna was loose, installed 2 each AN970 washers and re-installed. Hole found in cowling LH side. Fabricated and installed 2 inch .040 2024T3 doubler and filler plate 2024T3, 032 referencing AC43.13 1b fig 4-16 and painted, repair was determined to be minor. Tightened loose avionics and autopilot switches. Replace Bracket filter element BA7112. Replaced Nose Strut valve core 302DN and Serviced Nose Strut Ref Service Manual 12-20-00. ELT Battery due 11/2023. Replaced C2200-L4 Compass, Airpath SN AS-20393 and compass housing 730A, accomplished Compass Swing.  
**Complied with all applicable ADs ref AD report this date.**

For	N	30	60	E	120	150
Steer	0	31	62	80	118	147
For	S	210	240	W	300	330
Steer	181	211	241	270	301	330

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

Christopher D. Gardner A&P 3045762 IA



**WESTERN**  
*Skyways*  
 INC.

Engines Are Our ONLY Business

21 CREATIVE PL. • MONTROSE, CO 81401  
 (970) 249-0232 • 800-575-9929 • FAX (970) 249-4155

YEAR 20 _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, I</b> Entries must be endorsed with Name, Rating, Technician or Repair Facility. (See back pag
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JULY 25, 2022

N9774Y

TACH: 5567.04

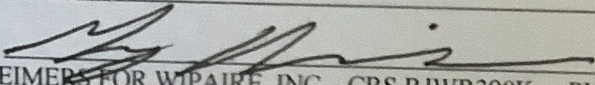
Gained access and cleaned pitch servo motor brush contacts. System function check good.

THE AIRCRAFT AIRFRAME, AIRCRAFT ENGINE, PROPELLER, OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER

W/O NO. 79809

DATE July 25, 2022

SIGNED

  
GREG REIMERS FOR WIPAIRE, INC. CRS RJWR390K PHONE 651.451.1205



AUGUST 5, 2022

N9774Y

TACH: 5568.41

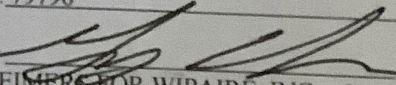
Gained access and checked integrity of altitude hold sensor and fittings. Tightened bridal cable tension to 15 pounds. System function check good.

THE AIRCRAFT AIRFRAME, AIRCRAFT ENGINE, PROPELLER, OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER

W/O NO. 79796

DATE August 5, 2022

SIGNED

  
GREG REIMERS FOR WIPAIRE, INC. CRS RJWR390K PHONE 651.451.1205





JUNE 13, 2023

N9774Y

TACH: 5589.68

Replumbed static system to all instruments and encoders.

The aircraft altimeter, static system, transponder, and altitude reporter have been tested to 20,000 feet in accordance with FAR's 91.411, 91.413, & 91.217 and were found to be within the limits of FAR 43, appendices E & F.

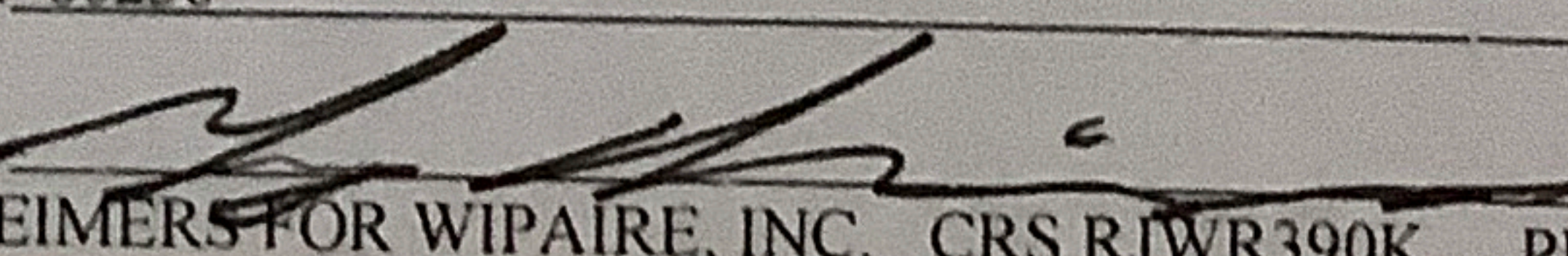
Aspen EFD 1000 S/N 11535  
Altimeter P/N 22-979-02 S/N 5057  
Encoder P/N 0900-4099-01 S/N 01769  
Transponder GTX-345 S/N 3EG041426

THE AIRCRAFT AIRFRAME, AIRCRAFT ENGINE, PROPELLER, OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER

W/O NO. 80236

DATE June 13, 2023

SIGNED

  
GREG REIMERS FOR WIPAIRE, INC. CRS RJWR390K PHONE 651.451.1205