



*The Standard*

# AIRCRAFT LOG

ADA-54-1



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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wo: WO\_1017

Airframe · page 1 of 1



PF Flyers Inc · 300 Eagle Mountain Rd · Charleston, WV 25311 · 3046332601

N2648Y  
TACH: 23.3

CESSNA, 180, S/N: 31676

March 27, 2025

Removed existing Garmin 725 cooling fan and installed new cooling fan P/N K00-00569-00. Installed new JPI Remote Alarm Light P/N 790547. OPS check good. Installed Precise Flow Air vents wing root vents IAW STC SA00709CH. All work done IAW applicable service manuals. Return to service for work performed.

Jarrod Golice A&amp;P/IA 3584329

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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wo: WO\_1058

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PF Flyers Inc · 300 Eagle Mountain Rd · Charleston, WV 25311 · 3046332601

N2648Y  
TACH: 42.7

CESSNA, 180, S/N: 31676

June 06, 2025

Found incorrect voltage regulator installed. Installed new Zeftronics R15100 A SN# E13001 voltage regulator. Corrected incorrect switch wiring. Test run, ops check good.

With respect to the work performed, this miscellaneous is approved for return to service. Details of work performed are on file with PF Flyers Inc under work order: WO\_1058.

Terry Phillips A&amp;P/IA 198641373

YEAR 2025 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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wo: WO\_978

Airframe · page 1 of 1



PF Flyers Inc · 300 Eagle Mountain Rd · Charleston, WV 25311 · 3046332601

N2648Y  
TACH: ~~077.9~~ 13.0

CESSNA, 180, S/N: 31676

January 28, 2025

Removed existing Wheels, brakes, and torque plates. Installed ABI LLC wheel and brake kit PN# 199-62A as per STC# SA02576AK, AML, and installation instructions. Removed existing tail wheel tire and tube, installed new tail wheel tire and tube. Cleaned, inspected, lubricated rotating tail assembly, re-torqued. All work done IAW applicable service manuals. Return to service for work performed.

Jarrod Golice A&amp;P/IA 3584329

TIRE PRESSURE: MAINS 28 PSI, TAIL 35 PSI.

YEAR 2025 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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03/20/2025 N2648Y S/N:31676  
Engine O-470K S/N 51994-7-M TSMOH 90.6 AFTT: 5726.1

Removed engine from mounts replaced oil seal p/n TCM534938 on starter adapter alternator drive. Replaced exhaust hardware at reassembly. Reinstalled engine and re-torqued mounts. Repaired alternator broken wires and remounted noise filter to frame. Replaced #6 cylinder rocker cover gasket p/n 655528. Replaced leaking carburetor Marvel Schebler MA4-5 p/n 10-4893-1 s/n MS1HFA04. Replaced carburetor scat tube. Replaced alternator drive belt. Adjusted prop governor to 2600 maximum RPM. Added 1 AN960 washer to oil regulator assembly to increase cruise oil pressure 10 PSI. Re-rigged engine cowl flaps. Changed oil and inspected and cleaned engine oil screen. Serviced with Phillips 20-50W oil. Installed 3 leather inserts p/n EC12SK on throttle cable friction collar. Ran engine and no leaks or defects found.

Mark E White

A&amp;P 3640047

YEAR 20 <u>24</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.)
				<b>CESSNA 180 N2648Y SN: 31676</b>
				<b>Date: 11/02/2024 TACH: 8.2 TTIS: 5713.2</b>
				<b>Performed 100/annual inspection IAW Cessna service manual &amp; FAR 43.13 app (d). All controls lubed and insp. All elec systems tested, All light systems checked. Main Indg gear and brakes insp and serviced, all wheel bearings, including tail wheel, greased. AD 84-10-01 R1 on fuel bladders C/W by visual, due again @ Oct 2025. AD 2011-10-09, on seat tracks, holes, pins &amp; rollers C/W visual, due again Oct 2025. AD's checked thru Biweekly 2024-21. Applicable SB"s researched C/W.</b>
				<b>I certify that this aircraft &amp; components was insp. IAW an annual inspection and was determined to be in an airworthy condition on this date.</b>
				<b>Robert Harrington A&amp;P 2219592 IA</b> <i>RA Harrington</i>

YEAR 20 <u>23</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.)
<del>11-14-23</del>	8.2		5713.2	<i>Installed Garmin GFC 500 auto pilot IAW installation manual addendum dated 1-7-19 drawing # 190-02291-22 Rev 9. Completed form 337 and revised W+B. Installed Nav/com Radio Garmin GNC 215 after removal of Bendix King KX 197. Installation IAW Garmin installation manual # 190-02766-01 dated June 2024.</i>
				<i>RA A&amp;P 3406647 IA</i>
<del>12-7-23</del>	12.5			<i>REPLACED TAXI LIGHT WITH NEW LIKE KIND. AERO-LITES P/N 36 TR 4 REV-A. 62 VTTAA E-C. HUGHES, 17GB 723 ATP</i>

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.)
12-6-23	3.7		5708.7	Installed Flap handle STC # \$A02246 LA IAW E2 Flap installation manual c-100 and AC 43.13-1B. Test operated handle. Added ICA to aircraft records. NO weight change significant. Completed Form 337. RAT ATP 3466647
12-6-23	3.7		5708.7	Installed shoulder Harnesses PN H 702-201 in factory holes in spar on pilot + co-pilot sides IAW AC 43.13-1B and Cessna Service manual RA Harrington ATP 2219592 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.)
12-10-23	3.7		5708.7	Installed wheel brake calipers Cessna PN D-30118-5 + -6. Bled brakes system. Removed vertical stab. assy. and horizontal stabilator and replaced spacers PN MC 0732101-7 and bushings PN MC 0760679-2 at stabilator mount brackets. Reinstalled vertical and horizontal stabilator. Installed main tires LH + RH with 700's. Work accomplished IAW Cessna Service manual. RA Harrington ATP 2219592 IA

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**Palmetto Avionics** LLC

FAA CRS# 3PXR870B

Reg. # N2648Y

United 5934PA-3

Tach/Hrs 3.2

472791

Altimeter Model Garmin LS's

S/N 4JR061340/43Q061335

Transponder Model Garmin GTX330

S/N 84131187

I certify the altimeter, altitude reporting, and static system tests required by 14 CFR Part 91.411 and the transponder tests, including data correspondence, required by 14 CFR Part 91.413 have been performed to an altitude of 20,000 feet and found to comply with 14 CFR Part 43 Appendix E and F.

Details are on file under Palmetto Avionics LLC Work Order # 2973



Authorized Signature

11/14/2023

Date

Form Revision: Revision 1 Dated: 09-04-2013

**Altimeter Error Sheet**

YEAR 20 DATE	Altitude Pressure Ft.	Scale Error	Friction Error	Altitude Pressure Ft.	Scale Error	Friction Error
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**Palmetto Avionics**

**Altimeter Error Sheet**

Altitude Pressure Ft.	Scale Error	Friction Error	Altitude Pressure Ft.	Scale Error	Friction Error
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**Palmetto Avionics**

**Altimeter Error Sheet**

Altitude Pressure Ft.	Scale Error	Friction Error	Altitude Pressure Ft.	Scale Error	Friction Error
<u>-1000</u>	<u>+5</u>		<u>10000</u>	<u>-35</u>	<u>5</u>
<u>0</u>	<u>+5</u>		<u>12000</u>	<u>-45</u>	<u>5</u>
<u>500</u>	<u>+10</u>		<u>14000</u>	<u>-65</u>	<u>5</u>
<u>1000</u>	<u>+5</u>	<u>5</u>	<u>15000</u>		<u>5</u>
<u>1500</u>	<u>+10</u>		<u>16000</u>	<u>-70</u>	
<u>2000</u>	<u>+15</u>	<u>5</u>	<u>18000</u>	<u>-60</u>	
<u>3000</u>	<u>+5</u>	<u>5</u>	<u>20000</u>	<u>-25</u>	<u>5</u>
<u>4000</u>	<u>+10</u>		<u>22000</u>		
<u>5000</u>		<u>5</u>	<u>25000</u>		
<u>6000</u>	<u>-10</u>		<u>30000</u>		
<u>8000</u>	<u>-25</u>		<u>35000</u>		

**Palmetto Avionics** LLC

FAA CRS# 3PXR870B

Date

11/14/2023

Work Order Number

2973

Manufacturer

United Instruments

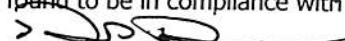
Model

5934PA-3

Serial Number

472791

This Altimeter has been tested and found to be in compliance with 14 CFR Appendix E of Part 43.



Inspector Signature

Form Revision: Rev.1 Dated: 09-04-2013

Completed restoration of Cessna 180 SN:31676 N2648Y to original condition. Serviceable parts were taken from a Cessna 182A SN:51501 to accomplish a large portion of the restoration. The following is an accounting of parts used from SN:51501 C-182A: Wing assy's including flaps and ailerons PN: 0792000-20 RH and 0792000-21 LH, vertical fin and dorsal assy. PN:0731000-41, stabilizer assy. PN:0732000-4, rudder assy. PN:0731000-40, elevator assy. PN:0732000-154, LH pilot door PN:0711001-67, pilot seat PN:1200162-21, interior side panels trim and headliner. Repairs performed during restoration are as follows: replaced wing skin section LH lower from sta.100-190 PN:0720001-10, RH lower section from sta.100-154 PN:0720601-24. Replaced LH flap top skin PN:0523901-6 and bottom skin PN:0523901-4. Replaced RH flap skin bottom PN:0523901-7. Replaced LH flap well skin PN:0720001-27. Repaired aft spar at inner flap track LH wing with doubler. Replaced inner half of RH flap well skin PN:0720001-8. Replaced RH aileron top skin inner PN: 0523800-7 and lower PN:0523800-11. Replaced LH aileron lower skin inner PN: 0523800-10. Replaced fuselage skin front lower PN: 0791300-3, aft fuselage LH side skin from sta.140-209 PN:0712000-2 and fwd fuselage RH side skin from sta. 65.33-209 PN: 0710020-8. Replaced tail skin aft PN:0712000-7. Repaired tail cone pan stringer lower PN:0712400-3 by fabricating new pan. Repaired fuselage center skin PN:0791100-3 from sta. 27.8-65.33. Modification and upgrades to aircraft are as follows: Installed new soundproofing insulation from Airtex in entire cabin area. Installed new fwd windscreen Installed new Fuel bladder in LH wing PN:0726001-9E SN:410. Installed serviceable fuel bladder in RH wing. Removed control tee PN:0411221-3 and installed control U Cessna PN:0560006-1, repaired IAW AC43.13-1B section 5, to facilitate center stack radios. Removed control wheels PN:0413016-4 and installed Cessna PN:1560010-4. Removed window latch from pilot door PN:0413362-3 and installed Cessna PN:0711050-200. Replaced upper and lower engine cowlings with carbon fiber cowling IAW Selkirk Aviation STC SA01644SE. Installed newer style exhaust shroud Cessna PN:0750130-46 to accommodate new cowl and 0470K engine. Installed airbox Cessna PN:0750126-21 to accommodate new cowl. Removed upper instrument panel PN:0713200-2 and replaced with new fabricated panel from .090 2024T3 alum. to accommodate instruments and radios. Removed lower instrument panel PN:0713200-34 and replaced with fabricated panel from .063 2024T3 alum. to accommodate engine controls circuit breakers etc. Removed all old wiring and installed new wiring in wings and behind instrument panel and in fuselage. Installed JP Instruments EDM900 engine monitoring system IAW STC SA01435SE. Installed following Garmin avionics: dual G5's HSI/CDI IAW STC SA01818WI and installation manual 190-01112-10 Rev. 30, GTN725 GPS IAW STC SA02019SE-D and installation instructions 190-01007-A3 Rev. 16, GTN225 comm IAW Installation manual 190-01182-02, GTX330 transponder with ADSB IAW STC SA01714WI and installation manual 190-00734-10 Rev. 16, GMA340 audio panel IAW installation manual 190-00149-01 Rev. L. Installed King KY197 radio. Removed old battery box PN:0712601-1 and mounts PN:0712601-2 and -3 and installed F Atlee Dodge firewall mounted battery and box IAW STC SA02333AK. Installed main landing gear mod from P. Ponk Aviation IAW STC SA2918NM. Installed Mtn. View Aviation door stewards on cabin doors IAW STC SA01120SE. Stripped aircraft of all paint. Applied Alodine 1200 to aircraft skin and primed with epoxy primer PN: CMO724933. Painted aircraft with Sherwin Williams BAC707 gray base PN:CMO840113, and stripes with Sherwin Williams Ruby red metallic PN:10701, Black Velvet metallic PN:10684 and Charcoal Gray Metallic PN:10492 Checked balance on all flight controls and installed on airframe. Aircraft weighed and new data with new empty weight, new CG and useful load recorded and added to aircraft records. All aircraft repairs done IAW Cessna service manual and FAR AC43.13 1A.-----END-----

RA Harvington AP 2219592 IA

**Aircraft Record** General Information

Manufacturer Cessna Model C-180

Serial 31676 Registration Number N 2648Y

Date of Manufacture 1955

Engine(s) currently installed:

Manufacturer Conti Model O-470K Serial 51994-7-M

Manufacturer \_\_\_\_\_ Model \_\_\_\_\_ Serial \_\_\_\_\_

Propeller(s) currently installed:

Manufacturer McCawley Model 2A36C29 AEB

HUB Model \_\_\_\_\_ Serial \_\_\_\_\_ Serial \_\_\_\_\_

Blade Model \_\_\_\_\_ Serial \_\_\_\_\_ Serial \_\_\_\_\_ Serial \_\_\_\_\_

Blade Model \_\_\_\_\_ Serial \_\_\_\_\_ Serial \_\_\_\_\_ Serial \_\_\_\_\_

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\_\_\_\_\_  
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- Aircraft restored to factory like condition. 10 year project, completed 2023. N512MH reregistered in 2007 to N2648Y
- Upgrades, Mods and STC's listed on attached document.
- Total time since restoration Tach 0.0
- Airframe total time estimated to best of knowledge known to be approximately 5705.0 at restoration completion.  
Rt Harrington A/P 22195927A