



## AIRFRAME MAINTENANCE RECORD

AIRCRAFT SERIAL AND REGISTRATION 172280015 N364ES

RECORD NUMBER 2


D5517-2-13

# MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
09/17/02	Tach	932:0	Installed new Prop Spinner with Cessna supplied Spinner P/N 055037-1 ADP 223665215	James M. Peterson
01-11-02	980.5 TACH		Installed/Replaced Stack Visors with Rosen sun visors in accordance with Rosen Products Drawing 11513 per FAA Model List No. 5A008715E	Edward J. Bryant 2772445
01/15/02	Tach	975:5	Open check ELT after installation at Eagle Aviation open check Manual, ADP 223665215	James M. Peterson <i>(see yellow tag 7/18/03)</i>

# MAINTENANCE RECORD

TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZE CERTIFI & N
HOURS	10THS		


**PIEDMONT**  
**HAWTHORNE**

DATE: 12-16-02 MODEL:C-172R S/N: 17280015 TachTime: 315.7 HM: 1117.6 N# 364ES  
 WO# A000859


Checked Pitot line to airspeed for obstructions, removed pitot line at mast, back flushed pitot head, no debris noted. The following airspeed checks were made.

38	62	82	88	93	103	109	114	119	124	129	134	Indicated Airspeed
40Kts	60Kts	80Kts	85Kts	90Kts	100Kts	105Kts	110Kts	115Kts	120 Kts	125Kts	130Kts	

Pitot system, and airspeed leaked checked in accordance with applicable regulation, and found to be within limits.


The Item(s) identified under this work order were inspected and repaired in accordance with current FAA Regulations and approved for return to service. Pertinent details of this repair are on file at this agency.

ENDXXXXXXXXXXXXXXXXXXXXXXXXXXXX

APPROVED BY:  INSPECTOR FOR  
 PIEDMONT HAWTHORNE AVIATION, GREENSBORO, N.C.  
 F.A.A. REPAIR STATION # PAI5208A

**F.A.A. REPAIR STATION # PAI5208A**

## MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
12-27 2002	1003.7 TACH		REPLACED TAXI LAMP WITH NEW 28V GE 4587 OPS CHECKED GOOD	<i>[Signature]</i> <del>2772445</del>
<div style="border: 2px solid black; padding: 10px; text-align: center;">  <b>PIEDMONT HAWTHORNE</b> </div> <p>DATE: 2-13-03 MODEL: 172 S/N: 17280015 TT: 1027.8 HM: N 364ES WO# A00924  Removed Attitude Gyro. P/N. S3326-1 S/N. T60914K and installed P/N. 1U149-015-09 S/N. T72104P, Ground checked satisfactory.</p> <p>The item(s) identified under this work order were inspected and or repaired in accordance with current F.A.A. Regulations and approved for return to service. Pertinent details of this repair are on file at this agency. END XXXXXXXXXXXX</p> <p>APPROVED BY: <i>[Signature]</i> INSPECTOR FOR  <b>PIEDMONT HAWTHORNE AVIATION, GREENSBORO, N.C.</b>  <b>F.A.A. REPAIR STATION # PAI5208A</b></p>				



# MAINTENANCE RECORD

TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZE CERTIFI & NU
HOURS	10THS		



DATE 02-13-03 MODEL: 172 S/N: 17280015 TT: 1027.8 HM: N 364ES WO# A00924

Removed Air speed indicator P/N. S3325-1 S/N. T35464.

Installed airspeed indicator P/N. S3325-6RX, S/N T42192B. Ground checked with pitot-static test set, per AC43.13. Ground checked satisfactory.

The Item(s) identified under this work order were inspected and or repaired in accordance with current F.A.A. Regulations and approved for return to service. Pertinent details of this repair are on file at this agency. END XXXXXXXXXXXXX

APPROVED BY: [Signature] INSPECTOR FOR  
PIEDMONT HAWTHORNE AVIATION, GREENSBORO, N.C.  
F.A.A. REPAIR STATION # PAI5208A

# MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
03/22/03	Tach 1036.2		Disassemble & inspect Nose wheel cleaned & greased Bearing installed new Goodyear flight Caster #2 in & new lube Service from Carson m.m. Disassembled & cleaned & installed new Seal Kit in nose strut serviced the str. Carson m.m. opn check Manual. AIP 223665215 James M. Pherson	
<del>03/15/03</del> 6-3-03	<del>Tach 783.0</del> Tach 1083.2		Replaced Landing light lamp with new 28 Volt GE 4587 - OPS Checked Good	J. Delup 2772445

# MAINTENANCE RECORD

TOTAL TIME IN SERVICE		AUTHORIZED SIGNATURE CERTIFICATE & NUMBER	
HOURS			
		<div data-bbox="552 854 633 943" data-label="Image"> </div> <div data-bbox="638 849 953 946" data-label="Text"> <p><b>PIEDMONT HAWTHORNE</b></p> </div> <div data-bbox="571 954 974 1069" data-label="Text"> <p>Piedmont Hawthorne Aviation Norfolk International Airport FAA Repair Station PIQR321K</p> </div> <div data-bbox="206 1075 1401 1147" data-label="Text"> <p>Date <u>4-01-03</u> T.T. <u>1218.7</u> Acrft. Mfr. <u>Cessna</u> Model <u>172R</u> S/N <u>17280015</u></p> </div> <div data-bbox="206 1166 1305 1220" data-label="Text"> <p>Reg. No. <u>364ES</u> Eng. Mfr. _____, Eng. Model _____, Eng. S/N _____</p> </div> <div data-bbox="206 1198 1292 1284" data-label="Text"> <p>The aircraft or engine logbook was not available. This form is to be attached to the logbook and becomes part of the permanent records. The following maintenance was performed:</p> </div> <div data-bbox="180 1311 1369 1647" data-label="Text"> <p><u>Removed engine cowlings. Installed new stud p/n \$2319-6,</u>  <u>new camlock p/n 4002-0\$ and new snap ring p/n R46.</u>  <u>Installed new lord mount receptacle p/n J-7444-36.</u>  <u>Reinstalled engine cowlings. Camlock fastener ops</u>  <u>check good.</u></p> </div> <div data-bbox="220 1658 349 1696" data-label="Text"> <p>Signature</p> </div> <div data-bbox="220 1696 375 1731" data-label="Text"> <p>PHA-N-007</p> </div> <div data-bbox="826 1647 1015 1685" data-label="Text"> <p>Certificate No.</p> </div> <div data-bbox="1015 1623 1287 1685" data-label="Text"> <p><u>PIQR321K</u></p> </div> <div data-bbox="461 1696 742 1757" data-label="Text"> <p><u>Watt \$5145</u></p> </div>	





FAA REPAIR STA.  
#RSUR804H  
VARS-115

DATE	TOTAL TIME IN SERVICE		
	HOURS	10THS	

#. 364ES  
WO#: 203350  
DATE: 7/26/04

TACH: 569.9

TOTAL TIME: 1256.8

Serviced tires, battery & brake master cyls., R&R vacuum reg.  
filter, C/W ELT insp. in accordance with FAR 91.207-Pointer  
model 3000-11 S/N 325047, R&R ELT battery P/N 00-30-006-  
next due 9-06, C/W AD 01-06-17 (eff. 4-20-01) by RPM check-  
next due 7-05, AD 03-24-13 (eff. 1-20-04) previously complied  
with 1-7-04 by Honeywell SB 491-one time only, AD 03-14-03)  
N/A by part-one time only, AD 03-13-17 (eff. 7-18-03) N/A by  
no maintenance-one time only, C/W Cessna SB's 03-27-02 and  
04-25-02, R&R eight cowl mounts P/N J-7444-36, R&R L/H &  
R/H main tires with new parts, all above work done in  
conjunction with annual inspection. I certify that this aircraft has  
been inspected in accordance with an annual inspection and was  
determined to be in airworthy condition. END

Signature:

AUTHORIZED SIGNATURE,  
CERTIFICATE TYPE  
& NUMBER

**Air Virginia** 1600 Ramble Rd Blacksburg, VA (540) 961-0842

W/O # 05-0001  
Date: 4/4/05

N 364ES  
HOBBS: 1560.3

MAKE: Cessna  
TACH: 673.8

MODEL: C172 R/S  
ACFT TT: 1360.7

S/N: 17280015  
TSMO 673.8

Serviced right and left toe brake master cylinders with Mil-H-5606G fluid. Performed brake system bleed on both  
right and left toe brakes. Operational and leak checks complete. No defects noted at this time. I certify this  
aircraft has been found airworthy and is returned to service. End

PRINT

William R. Hook Jr.

SIGNED

CERTIFICATE No.  
AP27156911A

aircraft has been found airworthy and is returned to service.

End

PRINT

William R. Hook Jr.

SIGNED

*William R. Hook Jr.*

CERTIFICATE No.

AP27156911A

### MAINTENANCE RECORD

**Air Virginia** 1600 Ramble Rd Blacksburg, VA (540) 961-0842

W/O # 05-0001

N 364ES

MAKE: Cessna

MODEL: C172 R/S

S/N: 17280015

Date: 5/3/2005

HOBBS: 1560.3

TACH: 686.5

ACFT TI: 1373.4

TSMO 686.5

moved wheel pants, fairings, Pilots seat, pilots rudder pedal panel, to facilitate other maintenance. R&R 1 Ea. Spring P/N: LC055G12M, O-ring P/N: S28775-110, and Back-up Ring P/N: S1628-110 in the right and left brake master cylinders. Reserviced with mil-H-5606 fluid. Reinstalled wheel pants, fairings, Pilots seat, pilots rudder pedal panel. Operational and leaks checks good. Reconfigured GPS & Calibrated #1 CDI with OBS in GPS IAW Appendix/King KLN-94 Installation manual Chapter 5.0. Operational checks and test flight good. No defects noted at this time. Serviceing and repairs limited to work described above. I certify this aircraft has been found airworthy and is returned to service.

PRINT

William R. Hook Jr.

SIGNED

*William R. Hook Jr.*

CERTIFICATE No.

AP27156911A

**Air Virginia** 1600 Ramble Rd Blacksburg, VA (540) 961-0842

W/O # 05-0001

N 364ES

MAKE: Cessna

MODEL: C172 R/S

S/N: 17280015

Date: 5/3/2005

HOBBS: 1560.3

TACH: 686.5

ACFT TI: 1373.4

TSMO 686.5

Removed and replaced horizontal stabilizer right outboard static wick with new P/N: ESD-1. Removed and replaced rudder lower static wick with new P/N: ESD-1. Repairs and servicing limited to the work described above. No Defects Noted At This Time. I certify this aircraft has been found airworthy and is returned to service.

PRINT

William R. Hook Jr.


SIGNED

*William R. Hook Jr.*

CERTIFICATE No.

AP27156911A

MAINTENANCE RECORD

E		TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED		AUTHORIZED SIGNATURE CERTIFICATE TYPE & NI IMRFR	
		HOURS	10THS				
<div>Air Virginia 1607 Tech Center Dr. Blacksburg, VA (540) 961-0047</div> <div>W/O # 05-0021      N 364ES      MAKE: Cessna      MODEL: C-172 R/S      S/N: 172280015 Date: 8/3/2005      HOBBS:      TACH: 719.0      ACFT IT: 1405.9      TSMO 719.0</div> <div>Annual Inspection: Performed all inspections and servicing as per, 100, 200, 400, 500, 600, 1000, 1year, and 6 year requirments. Completely washed aircraft. Lubricated aircraft to include, all flight controls, grease fittings, and mechanisms per the lubrication chart. Removed, cleaned, inspected, re-packed with grease, and re-installed all wheel bearings. Serviced toe brake cylinders with Mil-H-5606G Fluid. Removed and replaced left navigation light red lens with new P/N: W1284R. Removed and replaced Right Vacuum Pump P/N: 215CC S/N: 03208, with new P/N: 215CC S/N: A18203. C/W Vacuum Manifold Check Valve Operational Check. Removed and replaced keep alive battery on Davtron clock with fresh AA Battery. ELT Tested IAW FAR §91.207 <b>ELT battery due replacement 9/06.</b> All AD notes checked through 8/1/05. C/W AD 98-02-08, AD 2001-04-01, AD 2002-26-0. All work performed IAW Cessna Service manual, AC43.43-1b, and Current Federal Aviation Regulations. Operational and Leak Check good. No Defects Noted At This Time. I certify this aircraft has been found airworthy and is returned to service.</div> <div><div>PRINT</div><div>William R. Hook Jr.</div><div>SIGNED</div><div></div><div>CERTIFICATE No.</div><div>AP2715691IA</div></div>							

# MAINTENANCE RECORD

**Air Virginia** 1607 Tech Center Dr. Blacksburg, VA (540) 961-0047

W/O # 05-0028

N 364ES

MAKE: Cessna

MODEL: C-172R/S

S/N: 17280015

Date: 9/2/2005

HOBBS:

TACH: 736.4

ACFT IT: 1423.3

TSMO 736.4

Adjusted Aileron flight controls and rudder trim tab to correct for slight uncommanded left roll. Removed engine cowling to troubleshoot no EGT indication. Repaired termocouple alumel and chromel k-type connections at the temp probe. Operational and leak checks complete. Flight test satisfactory. No Defects Noted At This Time. All work performed IAW Current Cessna Service manuals, AC43.13.1b, and federal aviation regulations. I certify this aircraft has been foun airworthy and is returned to service.

PRINT

William R. Hook Jr.

SIGNED

CERTIFICATE No.

AP27156911A



# MAINTENANCE RECORD

**Air Virginia, LLC**

1607 Tech Center DR. Blacksburg, VA. 24060 (540) 961-0047

Reg: N364ES Make: Cessna Model: 172R Serial No: 17280015 Tach: 1518.0 Hobbs: 1727.9  
Date: 8-25-06

Performed Annual inspection I/A/W FAR part 43 Appendix D - inspected structure, flight controls/surfaces, safety items, lights, tires and brakes. Replaced 4 EA brake linings with new PN. 66-105 due to wear. Replaced left brake line at left main gear with new PN. 0500118-126 due to pin hole - serviced / bled brakes. Cleaned / inspected and repacked all wheel bearings. Replaced 2 ea placards near left fuel cap PN. S2608-1 / 0505094-6 and 1 ea placard near right fuel cap PN. S2608-1 due to illegible. Replaced left inboard static wick on elevator with new PN. C592001-0201 due to breakage. Removed birds nest from tail cone. Removed corrosion from battery and battery terminals, serviced battery. Replaced throttle and mixture cable attach bolts at fuel servo with new PN. AN3-10 due to being loose/wear. Installed anti-chaff wrap on alternator wires at alternator. Replaced vacume filter with new PN. D9-18-1 and suction regulator filter with new PN. B3-5-1. Performed 600 hour inspection on lower vacume pump model CH216CC I/A/W Champion Technical Bulletin TB01-1 - no defects noted - next insp due at 1618.0 TT aircraft hours - upper vacume pump recommended 500 hour replacement at 1905.9 TT aircraft hours. Replaced right door arm rest plug with new PN. 0515075-78 due to being cracked/broken. Replaced 2 ea top fwd engine cowl fasteners with new PN. S2319-21, S2319-5 & CM2791-1 due to wear. Replaced ELT battery with new PN. BP1030 due to expiration - performed 12 month ELT inspection I/A/W FAR part 91.207(d) - no defects noted - ELT battery due 08/08. All work performed I/A/W Cessna 172R Service Manual - leak check/operational check ok. Checked AD's - see compliance record dated 8-25-06. Complied with **AD2002-26-01** annual inspection of fuel injector lines - no defects noted - next due at 1618.0 TT aircraft hours or on 8-31-07, **AD2001-06-17** check of engine idle speed and fuel control mixture setting - Adjusted idle from 500 RPM to 625 RPM and mixture to 20 RPM rise - next due on 8-31-07. Complied with **AD 84-26-02** 500 hour replacement of induction air filter - installed new filter PN. P198281. I certify that this aircraft has been inspected in accordance with an annual inspection and is ok for return to service.

  
Brendan Carroll

A&P2967776IA<><

**Air Virginia, LLC**

1607 Tech Center DR. Blacksburg, VA. 24060 (540) 961-0047

Reg: N364ES Make: Cessna Model: 172R Serial No: 17280015 Tach: 1554.4 Hobbs: 1765.4  
Date: 12-01-06

Removed nose wheel shimmy damper PN. 0442512-1 and installed new PN. SE1051-2 - ops check ok. Aircraft ok for return to service.

  
Brendan Carroll

A&P2967776IA<><

1. Approving National Aviation Authority/Country:	2. AUTHORIZED RELEASE CERTIFICATE FAA EODM 8130.2 AIRWORTHINESS APPROVAL TAG	3. Form Tracking Number: <b>A-181754</b>
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(540) 961-0047

removed nose wheel shimmy damper PN. 0442512-1 and installed new PN. SE1051-2 - ops check ok. Aircraft ok for return to service.

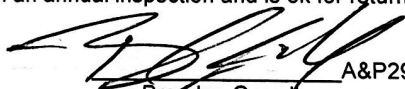
 A&P2967776IA<><

## Virginia, LLC

1607 Tech Center DR. Blacksburg, VA. 24060 (540) 961-0047

N364ES Make: Cessna Model: 172R Serial No: 17280015 Tach: 1654.4 Hobbs: 1868.7  
8-24-07

Performed Annual inspection I/A/W FAR part 43 Appendix D - inspected structure, flight controls/surfaces, safety items, lights, tires and brakes. Cleaned / inspected and repacked all wheel bearings. Lubed flight controls. Replaced 2 static wicks on left elevator with new PN. C592001-0201 due to breakage. Removed corrosion from battery and battery terminals, serviced battery. Replaced tail nav light bulb with new PN. GE305 - ops check ok. Replaced 2 ea pilot side head set jacks with new PN. 11-03906 and 11-04696 due to head set noise - ops check ok. Removed alternator PN. 9910591-11RX SN. A118064 and installed overhauled alternator PN. same SN. A181754 due to possible intermittent operation - ops check ok. Repaired two cracks in nose wheel pant on left side by bonding sheet metal reinforcements with Scotch-Weld 2216B/A - this is determined to be a minor repair. Performed 12 month ELT inspection I/A/W FAR part 91.207(d) - no defects noted - ELT battery due 08/08. All work performed I/A/W Cessna 172R Service Manual - leak check/operational check ok. Checked AD's - see compliance record dated 8-24-07. Complied with AD2002-26-01 annual inspection of fuel injector lines - no defects noted - next due at 1754.4 TT aircraft hours or on 8-31-08, AD2001-06-17 check of engine idle speed and fuel control mixture setting - checked idle RPM @ 600 RPM and mixture @ 20 RPM rise - next due on 8-31-08. Complied with AD 2007-05-10 Crew seat back cylinder lock assembly replacement - removed R/H cylinder lock assembly PN. MM20-1057E lot# 267591/ L/H cylinder lock assembly PN. same lot# 265451 and fabricated/installed temporary lock bar I/A/W Cessna SB04-25-02. Researched AD2007-08-03 and determined N/A by SN, AD2006-20-09 and determined N/A by model, AD2007-04-19R1 and determined N/A due to cylinders not replaced after March 2005. I certify that this aircraft has been inspected in accordance with an annual inspection and is ok for return to service.

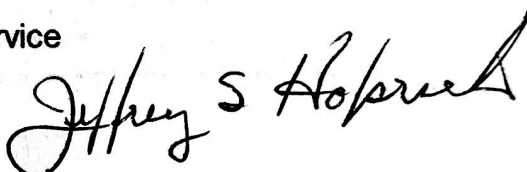
 A&P2967776IA<><  
Brendan Carroll


21-Aug-2008 1058.8 tach: 1745.7 TTAF:

1. Replaced right MLG tire with new Michelin Air 6.00 x 6 6-ply (P/N: 070-314-0; S/N: 7269W00372)
2. Replaced right MLG brake disc with new Av-PRO (APS 164-04000)
3. Replaced right main brake assembly torque plate and lining with new Cleveland (P/N: 073-01100)
4. Replaced brake lining with new Av-PRO (APS 066-10500) and chafing visually checked good.
5. Operational and leak checks good. No Defect Noted At This Time.

Aircraft is approved for return to service

New River Aero  
Blacksburg, VA 24060  
540-951-0080

  
Jeffrey S. Hoprich A&P212562013


16-Sep-2008 1063.6 tach: 1750.5 TTAF

**100-hr Inspection**

1. Desulfated, refilled, and recharged partially dry battery
2. Refabricated loose stainless firewall patch and reinstalled
3. Rerigged drooping ailerons and retensioned aileron cables
4. Restitched loose pilot seat belt retaining strap.
5. Checked NLG strut assembly for leaks, none detected at this point in time. Checked strut for proper service and set extension.
6. Replaced vacuum regulator filter element. (RA-B3-5-1)
7. Replaced ELT Battery (BP-1030). Next due **Aug. 2010**.
8. **Performed ELT system inspection to comply with FAR 91.207(d). No defects noted.**
9. AD: 01-06-17 C/W IAW AD text. Mixture leaned slightly and idle reset.  
Next due by 30-Sep-2009
10. AD check C/W and found to be up to date. See compliance record dated: 16-Sep-2008

I certify that this aircraft has been inspected in accordance with a  
**100-Hour Inspection** and was found to be in **AIRWORTHY** condition.  
Approved for return to service.

New River Aero  
Blacksburg, VA 24060  
540-951-0080

  
Jeffrey S. Hoprich A&P212562013

16-Sep-2008 1063.6 tach: 1750.5 TTAF:

**Annual Inspection**

I certify that this aircraft has been inspected in accordance with an  
**ANNUAL** Inspection and was found to be in **AIRWORTHY** condition.  
Approved for return to service.

New River Aero  
Blacksburg, VA 24060  
540-951-0080

  
Nathan Ostermann A&P28967681A

## MAINTENANCE RECORD

17-Nov-2008 1079.3 tach: 1766.2 TTAF&E: 1079.3 TTP

Removed broken aft spinner bulkhead P/N: 0550321-10 and replaced with new Cessna recommended aft spinner bulkhead P/N: 0550321-12. Prop bolts torqued to 720" /lbs. and spinner assembly straightened and reinstalled.

Aircraft is approved for return to service

New River Aero  
Blacksburg, VA 24060  
540-951-0080

  
Jeffrey S. Hoprich A&P212562013


22-Oct-2009 1168.3 tach: 1855.2 TTAF

100-hr Inspection

1. Filled and charged battery.
2. Tightened loose left wheel brake cylinder fitting and reserviced left brake reservoir.
3. Performed 2 yr., 3 yr., 6 yr., and 12 yr. inspection items per checklist.
4. Cleaned engine induction filter per instruction, inspected, and reinstalled.
5. Checked NLG strut assembly for hydraulic leaks, none detected at this time. Serviced strut with N2 and set extension.
6. Replaced vacuum regulator filter element. (RA-B3-5-1)
7. Replaced passenger door lower hinge pin
8. ELT Battery (BP-1030). Next due Aug. 2010.
9. Performed ELT system inspection to comply with FAR 91.207(d). No defects noted.
10. AD: 01-06-17 C/W IAW AD text. Mixture and idle checked normal. Next due by 31-Oct-2010.
11. AD check C/W and found to be up to date. See compliance record dated: 22-Oct-2009

I certify that this aircraft has been inspected in accordance with a 100-Hour Inspection and was found to be in **AIRWORTHY** condition.  
Approved for return to service.

New River Aero  
Blacksburg, VA 24060  
540-951-0080

  
Jeffrey S. Hoprich A&P212562013

22-Oct-2009 1168.3 tach: 1855.2 TTAF:

Annual Inspection

I certify that this aircraft has been inspected in accordance with an **ANNUAL** Inspection and was found to be in **AIRWORTHY** condition.  
Approved for return to service.

New River Aero  
Blacksburg, VA 24060  
540-951-0080

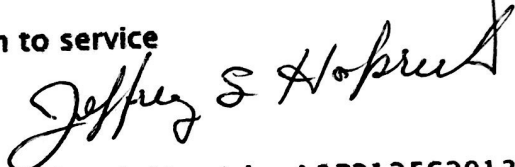
  
Nathan Ostermann A&P28067681A

6-Nov-2009 1172.4 tach: 1859.3 TTAF

1. Removed vacuum manifold (Airborne P/N: IH5-25; S/N: 9AM) to comply with SL-39A
2. Installed new vacuum manifold (Tempest P/N: AA1H5-25A; S/N: H5-51836)
3. Replaced 6 ea. deteriorated cowlng mounts with new (J7444-36)
4. Realigned cowlng by removing mount shims under numerous mounts.
5. Vacuum system operationally checked normal.

Aircraft is approved for return to service

**New River Aero**  
Blacksburg, VA 24060  
540-951-0080

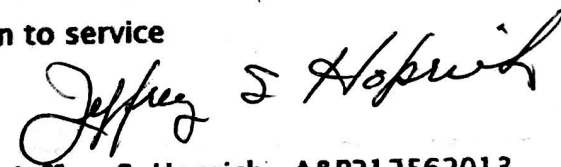
  
Jeffrey S. Hoprich A&P212562013

15-Mar-2010 1177.8 tach: 1864.7 TTAF

1. Removed, straightened, repaired, repainted, and refit left wing tip nav lite cover assy.
2. Replaced left nav lite assy. bulb with new (A-7512-12).
3. Replaced left nav lite assy. red lens with new (W-1284-R)
4. Resealed left wing tip nav lite cover with silicone.
5. All exterior lights checked for proper operation. OPS CK. GOOD!

Aircraft is approved for return to service

**New River Aero**  
Blacksburg, VA 24060  
540-951-0080

  
Jeffrey S. Hoprich A&P212562013

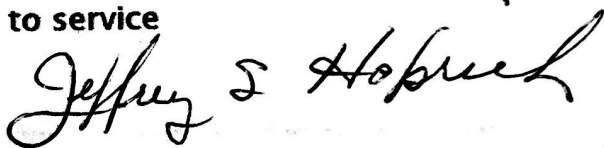
## MAINTENANCE RECORD

14-Jul-2010 1212.8 tach: 1899.7 TTAF

1. Decowl aircraft and remove old aircraft battery. Install battery acid, charge, and install new Gill (G-241) aircraft battery S/N: G02514417 into airframe. Aircraft battery tray cleaned and neutralized prior to new battery installation.
2. Battery system OPS checked normal and battery voltage indicates 24.4 volts on aircraft voltmeter.

Aircraft is approved for return to service

**New River Aero**  
Blacksburg, VA 24060  
540-951-0080

  
Jeffrey S. Hoprich A&P212562013



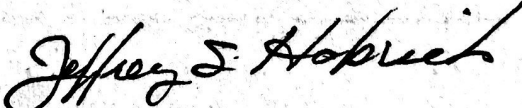
2-Dec-2010 1238.5 tach: 1925.4 TTAF

**100-hr Inspection**

1. Removed directional gyro for overhaul & reinstalled after overhaul & installed new 28V instrument light bar (S3312-1)
2. Repaired bad ground on pilots mike jack.
3. Stop drilled and epoxied left wing tip crack.
4. Replaced left main tire with new Michelin Air 600x6 6-ply tire and leakguard tube (P/N: 070-314-0; S/N: 0201S00172)
5. Removed auxillary electric fuel boost pump (5100-00-1, S/N: 0082) & installed serviceable fuel boost pump (5100-00-4, S/N: 0802). Ops & leak checked good.
6. Reattached wire bundle hold down pad in left wing at service light bay.
7. Removed, inspected, cleaned, serviced, and reinstalled NLG shimmy dampner.
8. Cleaned engine induction filter per instruction, inspected, and reinstalled.
9. Checked NLG strut assembly for hydraulic leaks, none detected at this time. Serviced strut with N2 and set extension.
10. Replaced vacuum regulator filter element. (RA-B3-5-1)
11. Replaced central vacuum filter element (RAD9-18-1)
12. ELT Battery (BP-1030). Next due Jan. 2013  
Performed ELT system inspection to comply with FAR 91.207(d). No defects noted.
13. AD: 01-06-17 C/W IAW AD text. Mixture and idle checked normal.  
Next due by 31-Dec-2011
14. AD check C/W and found to be up to date. See compliance record dated: 02-Dec-2010

I certify that this aircraft has been inspected in accordance with a 100-Hour Inspection and was found to be in AIRWORTHY condition. Approved for return to service.

New River Aero  
Blacksburg, VA 24060  
540-951-0080

  
Jeffrey S. Hoprich A&P212562013

2-Dec-2010 1238.5 tach: 1925.4 TTAF

**Annual Inspection**

I certify that this aircraft has been inspected in accordance with an ANNUAL inspection and was found to be in AIRWORTHY condition. Approved for return to service.

**New River Aero**  
Blacksburg, VA 24060  
540-951-0080



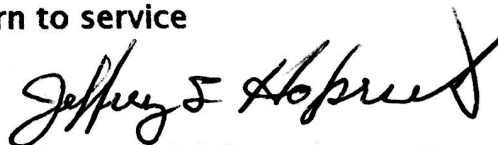
Nathan Ostermann A&P28967681A

14-Feb-2011 1242.9 tach: 1929.8 TTAF

1. Replaced NLG strut shroud valve with new (S1827-1)
2. Serviced NLG strut to 3.5" strut exposure with nitrogen.

Aircraft is approved for return to service

**New River Aero**  
Blacksburg, VA 24060  
540-951-0080



Jeffrey S. Hoprich A&P212562013

## MAINTENANCE RECORD

8-Nov-2011

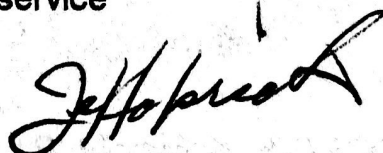
1293.2 tach:

1980.1 TTAF

1. Serviced NLG strut to 4.5" strut exposure with nitrogen.
2. Lubricated all flight control hinges with LPS-1.
3. Replaced 3 ea. cowling mount with new (SK2003-42A)
4. Realigned cowling by removing mount shims under numerous mounts.
5. Replaced 1 ea. cowling mount stud receptacle with new (214-160
6. Replaced 1 ea. cowling stud assembly with new (40S5-7S, 4002-N3, & R4G)
7. Aircraft visually inspected for surface damage. None noted.

Aircraft is approved for return to service

**New River Aero**  
Blacksburg, VA 24060  
540-951-0080



Jeffrey S. Hoprich A&P212562013

## MAINTENANCE RECORD

TC  
IN  
HO  
13-Feb-2012 1300.0 Tach 1986.9 Total Time

**100-hr Inspection**

1. Reversed installation of gascolator assembly so flow matches direction arrow on top.
2. Serviced Battery. Cleaned corrosion deposits from rack and terminals.
3. Replaced parking brake cable, guide tube and support angle. (0713070-50, 0713070-5)
4. C/W 12 year fire extinguisher hydro static test and serviced.
5. Shimmed nose gear torque links.
6. Repaired leak at charging fitting on nose strut and charged.
7. Rerouted and tied up portable GPS wires under the panel to eliminate interference with flight controls.
8. Replaced output and ground wire terminals on alternator, Alternator bench tested satisfactory.
9. C/W AD \*01-06-17 AFM-Improper fuel flow settings IAW Par "h". Next due Feb 2013.
10. Performed ELT system inspection to comply with FAR 91.207(d). No defects noted.  
Battery expires Jan 2013.

I certify that this aircraft has been inspected in accordance with a  
**100-Hour Inspection** and was found to be in **AIRWORTHY** condition.  
Approved for return to service.

**New River Aero**  
Blacksburg, VA 24060  
540-951-0080

  
Carly A. Faulkner A&P3565226

13-Feb-2012 1300.0 Tach 1986.9 Total Time

**Annual Inspection**

I certify that this aircraft has been inspected in accordance with an  
**ANNUAL** Inspection and was found to be in **AIRWORTHY** condition.  
Approved for return to service.

**New River Aero**  
Blacksburg, VA 24060  
540-951-0080

  
Jeffrey S. Hoprich A&P212562013IA

5/3/2012 JSH

~~707-422-2342~~

1323.9 TACH

2010.8 TTAF

Pilot complains of smoke in the cockpit until electrical system shut

1. T/S electrical system, found ACU in Master Control Unit badly overheated.
2. Removed aircraft electrical system Master Control Unit (P/N: S3100-137; S/N: 80050920) and installed Master Control Unit (P/N: S3100-137; S/N: 80242701)
3. Aircraft electrical system operationally checks good.

Aircraft approved for return to service.

**New River Aero**  
Blacksburg, VA 24060  
540-951-0080



Jeffrey S. Hoprich A&P212562013IA

12-Mar-2013

1368.3 TACH

2055.2 TTAF

**100-hr Inspection**

1. Resafetied alternator adjusting nut.
2. Stop drilled and repaired pilot side vertical baffling where oil pressure switch is mounted.
3. Replaced 2 ea. static dischargers on right elevator.
4. Adjusted aileron control cable tension at control yoke T-bar.
5. Serviced aircraft battery and fully charged.
6. Serviced nose strut with nitrogen
7. Replaced nose fork tow bar attachment bolt with new (AN5-47A)
8. Straightened and reinstalled tail tie-down attachment ring.
9. C/W: AD 93-05-06 - DNA by aircraft Model #.
10. C/W: AD 00-05-24 - DNA by aircraft S/N #
11. C/W: AD \*01-06-17 AFM-Improper fuel flow settings IAW Par (d)(1)(II). Engine operationally checked normal. Next due 03-31-2014.
12. C/W: AD 03-14-03 - DNA, Rotary fuel pump not installed this aircraft
13. Replaced ELT Battery (BP-1030) with new. Next due May 2015
14. Performed ELT system inspection to comply with FAR 91.207(d). No defects noted.

I certify that this aircraft has been inspected in accordance with a  
100-Hour Inspection and was found to be in **AIRWORTHY** condition.  
Approved for return to service.

**New River Aero**  
Blacksburg, VA 24060  
540-951-0080

  
Carly A. Faulkner A&P3565226

12-Mar-2013

1368.3 TACH

2055.2 TTAF

**Annual Inspection**

I certify that this aircraft has been inspected in accordance with an  
ANNUAL Inspection and was found to be in **AIRWORTHY** condition.  
Approved for return to service.

**New River Aero**  
Blacksburg, VA 24060  
540-951-0080

  
Nathan Ostermann A&P2896768IA

12-Mar-2013

1368.3 TACH

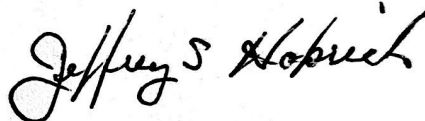
2055.2 TTAF

2055.2 TSMOH

1. Verified AD: 98-25-03 "Aileron Control Cable"; DNA by aircraft S/N
2. Verified AD: 05-05-53 R1 "Flight Control System Rigging"; DNA by aircraft S/N
3. Verified AD: 05-13-10 "Main Electrical Power Box C/B"; DNA by aircraft S/N
4. Verified AD: 07-08-03 "Engine Compartment Flexible Fuel Hose & Fittings; DNA by aircraft S/N
5. Verified AD: 08-05-09 "Seat Base/Back Attachment Bracket; DNA by aircraft S/N
6. Verified AD: 08-10-02 "Alt. Static Selector Valve"; DNA by part installed
7. Verified AD: 08-26-10 "Placard, Alt. Static Sel. Valve; DNA by part installed
8. Verified AD: \*11-06-02 "AFM, Elec. Pwr. Loss to FADEC"; DNA (STC SA1303WI) not installed this aircraft.
9. C/W AD: 12-02-02 "Fuel Return Line to Steering Interference"; DNA by aircraft S/N
10. C/W AD: 12-22-01 "Fuel Return Line to Steering Interference"; DNA Cessna Mod Kit # MK172-28-01 never installed this aircraft. No return line installed

Approved for return to service.

**New River Aero**  
Blacksburg, VA 24060  
540-951-0080



Jeffrey S. Hoprich A&P212562013IA

10-May-2013

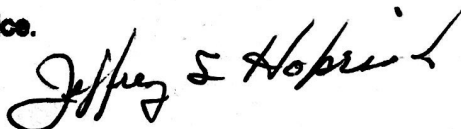
1374.4 TACH

2061.3 TTAF

1. Owner complains of minor nose wheel shimmy on landing intermittently. T/S and found shimmy damper attachment hardware strut looser than normal due to wear. Replaced shimmy damper hardware with new (AN23-17, NAS75-3-009, MS24665-136, AN320-3).

Aircraft approved for return to service.

**New River Aero**  
Blacksburg, VA 24060  
540-951-0080



Jeffrey S. Hoprich A&P212562013IA

## MAINTENANCE RECORD

5-Mar-2014

1416.9 tach:

2103.8 TTAF&E:

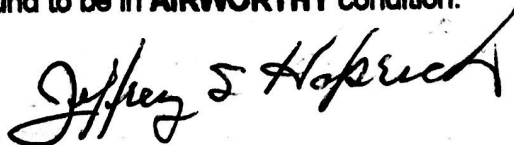
2103.8 TSMOH

### Annual Inspection

1. Replaced 2 ea. cowling mounts w/new (SK2003-42A).
2. Replaced 1 ea. static dischargers on left aileron.
3. Serviced aircraft battery and fully charged.
4. Serviced nose strut with H5606-G and compressed air
5. Replaced parking brake cable w/new (0510105-378)
6. Replaced vacuum regulator filter element. (RA-B3-5-1)
7. Replaced central vacuum filter element (RAD9-18-1)
8. Repaired leak on right brake cyl. (MS28775-224)
9. Serviced right brake master cylinder with H5606-G
10. Replaced missing rivet in co-pilot side lower cowling mount bracket.
11. Replaced engine induction air filter w/new (P198281)
12. CW: AD 13-03-15 - DNA by aircraft S/N #
13. CW: AD \*01-06-17 AFM-Improper fuel flow settings IAW Par (d)(1)(ii). Engine operationally checked normal. Next due 03-31-2015.
14. CW: AD \*13-11-11 by visual inspection IAW AD text. Switch (83278) installed with no leaks noted. Replacement due before 2313.1 Tach
15. Inspected ELT Battery (BP-1030) with no defects noted. Next due May 2015
16. Performed ELT system inspection to comply with FAR 91.207(d). No defects noted.

I certify that this aircraft has been inspected in accordance with an  
**ANNUAL** Inspection and was found to be in **AIRWORTHY** condition.  
 Approved for return to service.

**New River Aero**  
 Blacksburg, VA 24060  
 540-951-0080



Jeffrey S. Hoprich A&P212562013IA



[illegible]

**TACH: 1427.5 TTAF: 2114.4**



**VARs-115**

**Signature:**

Please affix to your aircraft/engine logbook.

17-Sep-2014

1508.2 tach:

2195.1 TTAF&E:

2195.1 TSMOH

1. Serviced NLG strut with N2 on 9/3/2014
2. Replaced cowling nose bowl Cam-Loc receptacle with new (244-16)
3. Removed bottom vacuum pump (CH216CW; S/N: C03991)
4. Installed bottom vacuum pump w/new (AA3216CW; S/N: 06PA10)
5. Inspected and cleaned pump to shuttle valve line and fittings.
6. RAB3-5-1 & RAD9-18-1 inspected for debris, none found. Filters have less than 45 hours since new.
7. Bottom vacuum ops checked good with no leaks noted.

Aircraft approved for return to service.

**New River Aero**  
Blacksburg, VA 24060  
540-951-0080

Jeffrey S. Hoprich A&P212562013IA

N#: 364ES

WO#: V14-1246

DATE: 7/10/2014

TACH: 1467.7

The windshield was removed and replaced as per Cessna 172 AMM 56-10-00. See Freedom Aviation CRS# BGSR439C work order # 8652. Removed the pilot's DG P/N 1U262-042-2 and replaced with the same part number unit overhauled S/N T57267 as per Cessna 172 AMM 37-10-00. Ran the aircraft and the pilot's DG ramp checked good. End.

Signature: 

**WAVirginia**  
Aviation

FAA REPAIR STA.

#RSUR804H

VAR-115

1-Feb-2015

1555.9 tach:

2242.8 TTAF&E:

2242.8 TSMOH

**100-hr Inspection**

1. Replaced 2 ea. cowlings mounts w/new (SK2003-42A).
2. Resealed small water leak in back glass center post area.
3. Replaced right wing fuel hose where it clamps to wing root fitting. Replaced with new 6" long piece of 3/8" Aeroquip # 303 hose. Leak checked good.
4. Flight control tensions all checked within limits
5. Replaced vacuum regulator filter element w/new. (RA-B3-5-1)
6. Removed, inspected, cleaned, installed McFarlane (NSS-KT-1) nose strut seal kit.
7. Reinstalled nose strut and serviced with Mil-H5606 hyd. fluid and set strut extension to 3.5" per owners request. Strut allowed to set for 3-days to check for leaks and further collapse. None noted.
8. Removed Gill aircraft battery (G241; S/N: G02514417) and replaced w/new FAA/PMA Concorde (RG24-15M; S/N: 40695527)
9. Removed vertical card compass at owners request (PAI-700/28V; S/N: 39021) and installed new unit (PAI-700/28V; S/N: 84959) and calibrated. Ops checked good.
10. Replaced both main wheel brake linings w/new (RA66-105) and reserviced brake reservoir with Mil-H5606 hyd. fluid. Ops checked good
11. C/W: AD \*01-06-17 AFM-Improper fuel flow settings IAW Par (d)(1)(ii). Engine operationally checked normal. Next due: 02-28-2016
12. Inspected ELT Battery (BP-1030) with no defects noted. Next due May 2015
13. Performed ELT system inspection to comply with FAR 91.207(d). No defects noted.

I certify that this aircraft has been inspected in accordance with a  
**100-Hour Inspection** and was found to be in **AIRWORTHY** condition.  
Approved for return to service.

**New River Aero**  
Blacksburg, VA 24060  
540-951-0080

  
Carly A. Faulkner A&P3565226

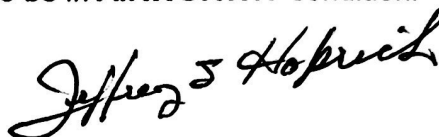
ATE

1-Feb-2015 1555.9 tach: 2242.8 TTAF&E: 2242.8 TSMOH

**Annual Inspection**

I certify that this aircraft has been inspected in accordance with an ANNUAL Inspection and was found to be in AIRWORTHY condition. Approved for return to service.

**New River Aero**  
Blacksburg, VA 24060  
540-951-0080



Jeffrey S. Hoprich A&P212562013IA

28-Aug-2015 1630.4 tach: 2317.3 TTAF&E: 2317.3 TSMOH

1. Replaced ELT Battery (BP-1030) with new. Next due Sep. 2017
2. Performed ELT system inspection and checks per FAR 91.207(d). No defects noted.
3. Removed failed top vacuum pump (Rapco P/N: RA215CC; S/N: A18203)
4. Installed new top vacuum pump (Tempest P/N: AA3215CC; S/N: 08VS07)
5. Removed, cleaned, and inspected vacuum line from pump to 1H5 valve, no contaminants found. Reinstalled line following pump installation
6. Replaced vacuum regulator filter element w/new. (RA-B3-5-1)
7. Replaced central vacuum filter element w/new (RAD9-18-1)
8. Replaced 3 ea. cowling mounts with new (SK2003-42A)
9. Removed upper cowling cover 1/4 turn fasteners and replaced with stainless steel screws, washers, and nuts do to constant repairs required by DZUS fasteners and receptacles.
10. Removed altimeter due to failed Bi-ennial check and shipped to Rudy's Aircraft Instruments for overhaul and calibration.

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540-951-0080



Jeffrey S. Hoprich A&P212562013IA

## MAINTENANCE RECORD

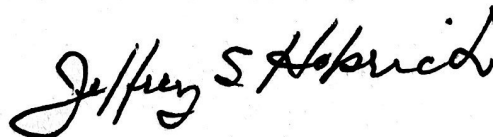
19-Feb-2016      1682.6 tach:      2369.5 TTAF&E:      2369.5 TSMOH

### Annual Inspection

1. Replaced anti-collision beacon flasher bulb w/new (5043301-28V)
2. Replaced Rt. main tire & tube w/new (Michelin Air 6.00x6 6-ply tire {S/N: 5279S00024} and Michelin AirStop 6.00x6 tube)
3. Removed nose wheel fairing due to significant damage. Aircraft authorized to fly until new fairing can be secured and installed.
4. Replaced all right wing fuel hoses where it clamps to wing root fittings with 3/8" Aeroquip # 303 hose. Leak checked good.
5. Flight control tensions all checked within limits
6. Replaced vacuum regulator filter element w/new. (RA-B3-5-1)
7. Replaced elevator static discharger w/new (EBD-1)
8. Repaired altimeter internal light bar by resoldering light circuit board.
9. Replaced several floor inspection panel push pins.
10. C/W: AD \*01-06-17 AFM-Improper fuel flow settings IAW Par (d)(1)(ii). Engine operationally checked normal. Next due: 02-28-2017
11. Inspected ELT Battery (BP-1030) with no defects noted. Battery due Sep 2017
12. Performed ELT system inspection to comply with FAR 91.207(d). No defects noted.

I certify that this aircraft has been inspected in accordance with an  
**ANNUAL** Inspection and was found to be in **AIRWORTHY** condition.  
Approved for return to service.

**New River Aero**  
Blacksburg, VA 24060  
540-951-0080



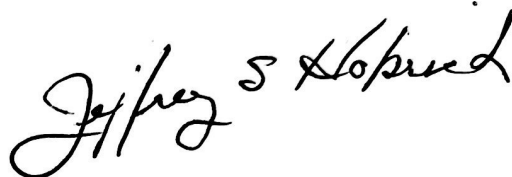
Jeffrey S. Hoprich    A&P212562013IA

25-Mar-2016 1698.7 tach: 2385.6 TTAF&E: 2385.6 TSMOH

1. Trimmed, primed, painted, and installed new FAA/PMA fiberglass nose wheel fairing (GF0543079-00) from Knot2U using new stainless hardware where possible.
2. Reset nose wheel strut extension with nitrogen service (N2) to 3.5"s.
3. Checked and reset all tire pressures per service manual with air (Nose tire = 45 PSI and Main tires = 43 PSI)
4. No weight or balance changes required.

Aircraft approved for return to service.

**New River Aero**  
Blacksburg, VA 24060  
540-951-0080



Jeffrey S. Hoprich A&P212562013IA

27-Feb-2017 1812.3 TACH: 2499.2 TTAF&E: 2499.2 TSMOH

1. Removed aircraft engine baffling, starter, alternator, exhaust system, airbox assembly, oil cooler, ducting, propeller, prop spacer and disconnected all engine control cables, hoses, tach drive cable, electrical wiring in preparation for engine removal for zero time exchange replacement.
2. Removed aircraft engine (Lycoming IO-360-L2A; S/N: L-26918-51A), L&R magnetos, ignition harnesses, mechanical fuel pump, fuel servo, fuel flow divider, flywheel and ring gear as one complete assembly for exchange.
3. Fuel flow servo assembly removed from engine for separate boxing during shipping.

I certify that this engine is in "As Removed Condition" and that the total engine time is as reported above.

**New River Aero**  
Blacksburg, VA 24060  
540-951-0080

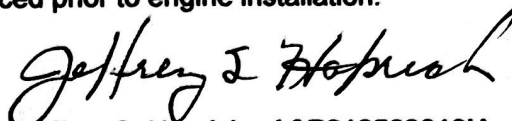


Jeffrey S. Hoprich A&P212562013IA

14-Mar-2017 1812.3 TACH: 2499.2 TTAF&E: 2499.2 TSMOH

1. Aircraft battery removed, checked for condition and recharged to capacity.
2. All engine rubber isolation mounts, fuel, and oil hoses removed and discarded.
3. Aircraft firewall, engine baffling, and engine mount assembly degreased and cleaned in preparation for rebuilt engine installation.
4. Nose gear strut assembly cleaned and serviced prior to engine installation.

**New River Aero**  
Blacksburg, VA 24060  
540-951-0080

  
Jeffrey S. Hoprich A&P212562013IA

14-Apr-2017 1812.3 tach: 2499.2 TTAF: 0 TSMOH

**Annual Inspection**

1. Replaced vacuum regulator filter element w/new. (RA-B3-5-1)
2. Replaced induction air filter w/new (P198281)
3. Replaced 4 ea. engine cowling mounts w/new (SK-2003-42A)
4. Replaced engine outboard cowling mount bracket (0453003-3) and hardware
5. Replaced alternator belt w/new (378K4)
6. Replaced alternator mount bolt w/new (AN7-42A)
7. Replaced all engine ducting w/new (Scat-4, Scat-10, & Scat-12)
8. Replaced 6 ea. elastic grommets w/new (AN931-4-16)
9. Flight control tensions all checked within limits
10. Removed, cleaned, inspected, and operationally checked Tempest vacuum manifold (P/N: AA1H5-25A; S/N: H5-51836). Re-installed serviceable dual vacuum manifold
11. C/W: AD \*01-06-17 AFM-Improper fuel flow settings IAW Par (d)(1)(ii). Engine operationally checked normal. Next due: 04-30-2018
12. Inspected ELT Battery (BP-1030) with no defects noted. Battery due Mar. 2019
13. Performed ELT system inspection to comply with FAR 91.207(d). No defects noted.
14. Aircraft briefly run to verify engine and aircraft systems are operational

Continued to following page

14-Apr-2017

1812.3 tach:

2499.2 TTAF:

0 TSMOH

I certify that this aircraft has been inspected in accordance with an **ANNUAL** Inspection and was found to be in **AIRWORTHY** condition.  
Approved for return to service.

**New River Aero**  
Blacksburg, VA 24060  
540-951-0080

*Jeffrey S. Hoprich*

Jeffrey S. Hoprich A&P212562013IA

14-Apr-2017

1812.5 tach:

2499.4 TTAF:

0.2 TSMOH

1. Initial flight resulted in an immediate return to land do to oil leak that put spray onto windshield.
2. Engine oil leak T/S and found to be loose stainless oil pressure gauge sending unit line nut at forward line fitting. No leak had been noticed at first engine run.
3. All fuel, oil lines, and hoses rechecked for tightness prior to engine wash down.

Aircraft is authorized to make initial engine break-in flights.

**New River Aero**  
Blacksburg, VA 24060  
540-951-0080

*Jeffrey S. Hoprich*

Jeffrey S. Hoprich A&P212562013IA



15-Apr-2017      1813.7 tach:      2500.6 TTAF:      1.4 TSMOH

1. Second engine break-in flight resulted in a satisfying result.
2. Engine was decowled and rechecked for any loose connections, hoses, ducts, hardware, or components. None found with no oil or fuel leaks noted at this time,
3. Aircraft is authorized to continue engine break-in flights without maintenance oversight unless specifically requested. Engine idle and fuel flow will be reset at first oil change if needed.

Aircraft is authorized to continue engine break-in flights.

**New River Aero**  
Blacksburg, VA 24060  
540-951-0080

*Jeffrey S. Hoprich*  
Jeffrey S. Hoprich A&P212562013IA

30-Jan-2018      1905.9 tach:      2592.8 TTAF:      93.6 TSMOH

**Annual Inspection**

1. Replaced instrument air filter with new (Rapco RAD9-18-1).
2. Replaced vacuum regulator filter element w/new. (Rapco RA-B3-5-1)
3. Replace missing outer grease seal rt. main wheel bearing (153-00300)
4. Replaced nose wheel tire & tube w/new (Michelin Air 5.00x5 6-ply and 5.00x5 Airstop)
5. Replaced deteriorated gascolator o-ring seals (MS29513-138, MS29513-111, MS29513-010)
6. All flight control cable tensions checked and found to be in center of range @ 50°F.
7. Replaced bent nose wheel fork through-bolt w/new (AN5-47A)
8. C/W: AD: 18-02-04, by research with Cessna and log books, muffler installed this installed by factory and is a Wal-Colmonoy unit.
9. C/W: AD \*01-06-17 AFM-Improper fuel flow settings IAW Par (d)(1)(ii). Engine operationally checked normal. Next due: 01-30-2019
10. Inspected ELT Battery (BP-1030) with no defects noted. Battery due Mar. 2019
11. Performed ELT system inspection to comply with FAR 91.207(d). No defects noted.

Aircraft run to verify engine and aircraft systems OPS checked good with no leaks found.

**Contuied to following page**

30-Jan-2018

1905.9 tach:

2592.8 TTAF:

93.6 TSMOH

I certify that this aircraft has been inspected in accordance with an ANNUAL Inspection and was found to be in AIRWORTHY condition. Approved for return to service.

New River Aero  
Blacksburg, VA 24060  
540-951-0080

*Jeffrey S Hoprich*

Jeffrey S. Hoprich A&P212562013IA

SIGNATURE  
TE TYPE  
BER

21-Nov-2017

1888.5 tach:

2575.4 TTAF:

76.2 TSMOH

1. Owner complains of severe front wheel shimmy when making high speed turnoff of runway at KROA to the right.
2. Examination of nose wheel tire showed signs of cupping and a strange ripple in the outer sidewall that could have been a defective belt.
3. Further T/S found the nose wheel Scissor bearings, bushings, and hardware to be worn significantly. Ordered and installed a torque link (TL-KT-1) overhaul kit from McFarland. Also ordered new (Michelin Air 5.00 x 5 6-ply) tire and airstop tube to be installed at annual in Jan. 2018. Pilots to fly and report any nose wheel shimmy after torque link kit install prior to changing nose wheel tire and tube.

Aircraft is approved to return to service

New River Aero  
Blacksburg, VA 24060  
540-951-0080

*Jeffrey S. Hoprich*

Jeffrey S. Hoprich A&P212562013IA

entry out of order

## MAINTENANCE RECORD

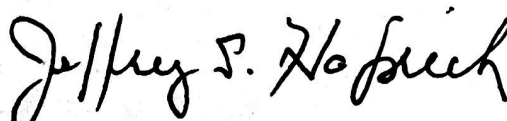
23-Mar-2019      1986.01 tach:      2672.91 TTAF:      173.71 TSMOH

### Annual Inspection

1. Rudder bottom fin cap cracked, C/F to decision about trading aircraft and parts availability.
2. 3 ea. static dischargers missing. C/F to correct parts availability (PO # 042119-4ES)
3. Turn Coordinator flag only partially retracts, but coordinator operates normally. Repair decision deferred to aircraft decision.
4. Aircraft hand held fire extinguisher static tested and recharged. Re-installed into aircraft.
5. Replaced deteriorated gascolator o-ring seals (MS29513-138, MS29513-111, MS29513-010)
6. All flight control cable tensions checked and found to be in center of range @ 51°F.
7. Numerous carpet velco strips detached. Owner replaced w/new Velcro self-adhering strips.
8. Owner reports severe nose wheel shimmy again. T/S and found nose gear scissors loose again and shimmy dampner bolt and bushing worn. Replaced (2 ea. AN4-31bolts ; 1 ea NAS6202-22D bolt; 4 ea. MCS1450-6B14-010 shims;
9. C/W: AD \*01-06-17 AFM-Improper fuel flow settings IAW Par (d)(1)(ii). Engine operationally checked normal. Next due: 03-31-2020
10. Replaced ELT Battery (BP-1030) with new, no defects noted. Battery next due: Feb.2021
11. Performed ELT system inspection to comply with FAR 91.207(d). No defects noted.
12. Aircraft flown to verify engine and aircraft systems OPS checked good with no defects noted

I certify that this aircraft has been inspected in accordance with an  
**ANNUAL** Inspection and was found to be in **AIRWORTHY** condition.  
Approved for return to service.

**New River Aero**  
Blacksburg, VA 24060  
540-951-0080

  
Jeffrey S. Hoprich    A&P212562013IA



310 Hanger Road  
Lynchburg, VA 24502  
434-237-7002  
CRS# BGSR439C

Date: 2/01/2020; Aircraft: N364ES; Type: 172R; S/N: 17280015; Tach: 2069.70; Total Time: 2756.60

Shop Order #: F20-0160

#### AIRFRAME ENTRY

Complied with annual/100 hour inspection I/AW Cessna 172R 5-00-00 AMM par. 2 B (1).

Engine mount bolts too short. Removed and replaced with correct bolts PN: top AN7-44A, lower AN7-45A I/AW Cessna 172R AMM 71-20-00.

Complied with FAR 91.207 ELT annual inspection IAW FAR 91.207 (d) and ELT manufacturer's instructions on ELT model Pointer 3000-11, SN 325047. Next due 12 months. ELT Battery due Feb 2021.

Complied with Garmin GTN 650 ICA IAW GTN Series ICA 190-01007-A1 Rev 11. Checked for wiring and mounting integrity. Ops check good at this time.

Nose strut spongy. Serviced nose strut I/AW Cessna 172R AMM 32-20.

Removed nose wheel pant, sent out for paint, reinstalled painted wheel pant I/AW Cessna 172R AMM 32-20-00.

Owner request paint LH OB leading of wing. Painted leading edge of LH wing as needed I/AW Cessna 172R AMM 20-31-02.

LH middle cowl mount cracked. Removed and repaced cowl mount PN: 0453003-24 I/AW Cessna 172R SRM 51-71.

Pilot's door pin worn. Removed and replaced pins PN: MS20392-4C27 and MS20392-4C47, door stop PN: 0511042-3 I/AW Cessna 172R AMM 52-10. op's check good.

LH brake disc worn beyond limits. Removed and replaced with new PN: 164-04000, new linings PN: 066-10500 LH and RH sides I/AW 172R AMM 32-00-01.

#### Maintenance Release

The aircraft or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details are on file at this Repair Station

Signed: G.K. Gray

CRS# BGSR439C

WO# F20-0160

Date 2-1-20

I certify that this AIRCRAFT has been inspected in accordance with an ANNUAL/100 HR inspection and was determined to be in airworthy condition.

Inspector G.K. Gray

Freedom Aviation Repair Station # BGSR439C

ALT  
REV  
5

# MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE CERTIFICATE TYPE & NUMBER
	HOURS	10THS		

I Certify that the altimeter and static system tests required by FAR 91.411 have been performed.

The altimeter was tested to 20,000 feet

on 7/22/20 Signature Randall Hood

Date of Static Test 7/22/20

Certificate Number 2433533

FAA Repair Station XBFR736K

Date 7/22/20 I Certify that transponder. Make Gommon

Model GTX 345 S/N 3EG008825 has been tested and found to comply with requirements of FAR 91.413.

Signature Randall Hood

Systems-Communications - Avionics Division

FAA Repair Station XBFR736K

W/O 20068


# MAINTENANCE RECORD

DATE	TOTAL TIME			
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