



AIRFRAME MAINTENANCE RECORD

AIRCRAFT SERIAL AND REGISTRATION NS540R S/N 17253123 172F

RECORD NUMBER #3

6-26-90

DATE 6-26-90 NEXT DUE 6-26-92

STATIC PRESSURE SYSTEM CHECKED, AS REQUIRED BY PART 91.171, IN ACCORDANCE WITH PART 43 APPENDIX E (a).

Altimeter (a) tested as required by FAR 91.171 law FAR 43, Appendix "E", Para (b).

Pilot's ~~82770~~ ⁴⁰¹⁷⁵ C/P's ----- Altimeter

S/N -----

Tested to 14,600 feet

ATC Transponder test and inspections, as required by FAR 91.172, in accordance with FAR 43, Appendix "F", have been performed.

TRANSPONDER MODEL KT76 S/N 14579

Automatic Pressure Altitude Reporting System required by FAR 91.171 law FAR 43, Appendix E (a) AR850 S/N 28784

DATE 6-26-90
LAMP AIRCRAFT SERVICE, INC.
FAA-APPROVED REPAIR STATION HR5R919M
257 AIRPORT RD., CARROLLTON, OH 44615

Jeon Samp
2357474

ISSUED BY - HR5R919M

DATE - 6-26-90

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
07 July 90	TACH	3950.4	TOTAL TIME 3950.4	LUBE pulleys & controls, complied with SEAT TRACK
AD 87-20-01R,	84	INSPECTION OF SEAT TRACKS, ROLLERS, & GUIDES AND DETERMINED TO BE O.K.	AT THIS TIME	
ADJUSTED ELEVATOR CRIBLE TENSION.	AD'S CHECKED THEN ISSUE 90-11.	I CERTIFY THAT THIS AIRCRAFT HAS		
BEEN INSPECTED	IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED	TO BE IN		
PERMANTLY CONDITION.	Edgar Moore	IA 300549638		
8/3/90	TACH	3961.75	Repaired RH door latch by replacing	
			spring and return spring. Replaced all inst. panel	
			Shock mounts PL 0411057-1 -	
			Dennis Moore	
			APP 3814217	

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
19__				
04 Aug 91	TACT	4016.0	COMPLETED WITH READY AD 76-07-12 BY FUNCTIONAL CHECK AND FOUND O.K. AT THIS TIME. COMPLIED WITH SEAT TRACK AD, 87-20-032, BY INSPECTION OF SEAT AND TRACKS - ALL FOUND O.K. AT THIS TIME. TURN IN ISSUE 91-17. I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AD AN	
<p>ALTITUDE REPORTING SYSTEM TESTED AS LAW FAR 43, APPENDIX 'E'</p> <p>9-92</p> <p>FT SERVICE, INC. ED REPAIR STATION HERRING D, CABBOTTON, OH 44615</p> <p>7474</p> <p>16 TRANSPONDER WITH KT.76A. INSTALLED BEAKER SWITCHES BUSS. SEE 337 FORM THIS C/A 4062.3. W/ST BOE CHARGE 150E</p>				

SCALE CORRECTIONS			ALTIMETER NO.		
Altitude Reads	Room Temp.	ADD Algebraically °C	Altitude Reads	Room Temp.	ADD Algebraically °C
0	-10	0	18000		
1000	0	1	20000		
2000	+10	2	25000		
3000	0	3	30000		
4000	0	4			
6000	-10	5			
8000	-20	6			
10000	-20	10			
12000	-10				
14000	0	14			
16000					

ISSUED BY - HRSK 919M DATE - 8-19-92

MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
02 AUG 92	TACH	9096.2	TOTAL TIME 4096.2. I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. <u>Darryl Edgar Moon IA 300549638</u>	
19 AUG 93	TACH	4152.1	TOTAL TIME 4152.1 Complied with AD 87-20-0321 BY INSPECTION OF SEATS AND SEAT TRACK - ALL FOUND O.K. AT THIS TIME. LUBED CONTROLS AND PULLIES, AD'S CHECKED THRU ISSUE 93-18, I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. <u>Darryl Edgar Moon IA 300549638</u>	
29 MAY 94	TACH	4160.0	Complied with HIGH RHEOSTAT AD 93-24-15 BY REPLACING RHEOSTAT WITH P/N RD0015H1600 IBC PER S.B. SER 92-33 R1 -OP; CHECK O.K. <u>Darryl Edgar Moon AEL 300549638</u>	

MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
20 AUG 94	TACH	4195.6	TOTAL TIME 4195.6 LUBED CONTROLS, PULLIES AND FLIGHT CONTROLS. CHECKED IGN. SWITCH PER AD 76-07-12 AND FOUND O.K. CHECKED SEAT TRACKS AND ROLLERS PER AD 87-20-03R, AND FOUND TO BE O.K. AT THIS TIME. AD'S CHECKED THRU ISSUE 94-15. I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.	
	Jay Edger Moore	IA 300549638		
01 SEPT 95	TACH	4215.0	TOTAL TIME 4215.0 I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.	
	Jay Edger Moore	IA 300549638		
01 SEPT 96	TACH	4227.0	TOTAL TIME 4227.0 REMOVED FUEL SELECTOR AND REPLACED 'O' RINGS. REPLACED FUEL STRAINER WITH SERVICEABLE UNIT. LUBED CONTROLS, PULLIES AND HINGES. CHECKED ELT (PIONEER 3000 S/N 325852) PER AMENDED 91207 AND FOUND O.K. AT THIS TIME. AD'S CHECKED THRU ISSUE 96-16 I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.	
	Jay Edger Moore	IA 300549638		

MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
16 SEPT 97	TACH	4275.0	TOTAL TIME 4275.0. REPLACED BATTERY IN ELT (Pointer 3000 S/N 325852) EXPIRATION DATE SEPT 99. ELT CHECKED PER AMENDED 91.207 AND FOUND O.K. AT THIS TIME. FUNCTIONALLY CHECKED IGNITION CHECK PER AD 76-07-12 AND FOUND O.K. AT THIS TIME. ADS CHECKED THRU ISSUE 97-16. I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION - <u>Gay Edger Moore</u> FA 300549638	
17 OCT 98	TACH	4325.4	TOTAL TIME 4325.4 CHECKED ELT PER AMENDED 91.207 AND DETERMINED TO BE O.K. REPLACED BENDIX IGNITION SWITCH WITH NEW BENDIX SWITCH P/N 10-357200-1. CHECKED LIGHTS AND BATTERY, LUBED FLIGHT CONTROLS, ADS CHECKED THRU ISSUE 98-16 I CERTIFY THAT THIS ENGIN AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION <u>Gay Edger Moore</u> FA 300549638	

MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
16 Oct 99	99	TACH 4400.9	TOTAL TIME 4400.9 REPLACED BATTERY IN ELT (POINTER 3000 S/N 325852) AND INSPECTED PER AMENDED 91.207 AND DETERMINED TO BE O.K. AT THIS TIME BATT EXPIRES 10-2001 LUBED CONTROLS AND PULLIES, CHECKED TIRES AND BRAKES. CLEANED FILTER IN VACUUM REGULATOR AD. CHECKED THRU ISSUE 99-20 I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION - Gary Edger Moore IA 300549638	
28 Oct 2000	2000	TACH 4449.0	TOTAL TIME 4449.0 VISUALLY CHECKED SEATS AND TRACKS PER AD 87-20-03R2 AND DETERMINED THEM TO BE O.K. CHECKED ELT (POINTER 3000 S/N 325852) PER 91.207 AND DETERMINED TO BE O.K. LUBED CONTROLS, PULLIES, AND HINGE POINTS. AD 99-27-02 N/A AS CAMS IN FUEL SELECTION NOT REPLACED. AD 2000-06-01 N/A AS STRAINER ASSY OF TOP NOT REPLACED DURING TIME FRAME. AD. CHECKED THRU ISSUE 200-19 I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION - Gary Edger Moore IA 300549638	

MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
10 NOV 2001	TACH 4484.1	TOTAL TIME 4484.1	LUBED CONTROLS, PULLIES AND HINGES. CHECKED LIGHTS, BRAKES, BATTERY. AD'S CHECKED THRU ISSUE 2001-22. I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. <i>Sam Edger Moon IA 300549638</i>	
02 JAN 2002	TACH 4490.0	REPLACED ELT BATTERY AND CHECKED ELT (POINTER 3000 S/N 325854) PER 91.207 AND DETERMINED TO BE O.K. BATTERY EXPIRES JAN 04 <i>Sam Edger Moon AIP 300549638</i>		
25 OCT 2002	TACH 4543.3	TOTAL TIME 4543.3	CHECKED FLIGHT CONTROLS, CABLES, PULLIES, AND HINGE POINTS CHECKED BRAKES AND WHEELS. CHECKED LIGHTS AND SERVICED BATTERY CHECKED ELT (POINTER 3000, S/N 325852) PER 91.207 AND DETERMINED TO BE O.K. AD'S CHECKED THRU ISSUE 2002-20. I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. <i>Sam Edger Moon IA 300549638</i>	
01 NOV 2002	TACH 4543.3	REMOVED AND REPLACED LEFT ELEVATOR WITH SERVICEABLE ELEVATOR. UNIT NOT PAINTED - LEFT IN ORIGINAL COLORS THEREFORE WT/DAL NOT COMPLETED. <i>Sam Edger Moon IA 300549638</i>		

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
19__				
09 Nov 03	TACH	4581.9	TOTAL TIME 4581.9. CHECKED ELT (Formal 3000 Sh 325852) per	
01.207	AND	DETERMINED TO BE	O.K. CHECKED AND LUBED FLIGHT CONTROLS, HINGES, AND PULLIES.	
	CHECKED	WHEELS AND BRAKES. CHECKED SEATS AND TRACKS per AD 87-20-03R2 AND DETERMINED TO BE		
	O.K..	AD'S CHECKED THIS ISSUE 2003-20. I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED		
	IN	ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY		
	CONDITION.	Signature Mober FA 300549638		
12 Nov 04	TACH	4629.0	TOTAL TIME 4629.0 LUBED HINGES AND PULLIES. ADJUSTED ELEVATOR CABLE	
	TENSION, VISUALLY	INSPECTED SEAT BELT AND TRACKS per AD 87-20-03R2 AND DETERMINED TO BE		
	O.K.	AD'S CHECKED THIS ISSUE 2004-21 I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN		
	ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY	CONDITION.		
	Signature Edgar Mober FA 300549638			

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
19__				
12 FEB 06	TACH	46638	TOTAL TIME 46638 CHECKED FLIGHT CONTROLS, HUSKES, PULLIES AND CABLES, CHECKED WHEELS, TIRES, AND BRAKES, CHECKED BATTERY AND LIGHTS	
CHECKED ELT	(POINTER 3000 SH 325852)	PER 91.207	AND DETERMINED TO BE O.K. BATTERY EXPIRES	
APRIL 06	CHECKED	SEAT ROLLERS AND TRACKS	PER AD 87-2003R2 AND DETERMINED TO BE O.K.	
AD CHECKED	THRU 2005-26	I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE	WITH AN ANNUAL INSPECTION AND WTS DETERMINED TO BE IN AIRWORTHY CONDITION	
Jany Idgon Moore FA 300549638				
12 DEC 06	TACH	46928	TOTAL TIME 46928. REPLACED O-RINGS IN FUEL SELECTOR. REPLACED PLUNGER IN AIRFRAME FUEL FILTER WITH METALINE PLIN MC0756010-11 PLUNGER. REPLACED BOTH BRAKE DISC WITH RAPCO PLIN RA164-02601 DISC AND PLIN RA66-105-41K RAPCO LINING KIT. REPLACED CONDUITS ATTACH TIMINGMAN NUTS, CHECKED FLIGHT CONTROLS, CABLES, PULLIES, AND HUSK POINTS. CLEANED AND	
REPLACED ALL WHEEL BEARINGS. CHECKED BATTERY AND LIGHTS. CHECKED ELT (POINTER 3000 SH 325852)	PER 91.207	AND DETERMINED TO BE O.K. BATTERY EXPIRES FEB 08, CHECKED SEAT ROLLERS AND TRACKS PER	AD 87-2003R2 AND DETERMINED TO BE O.K. I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN	
ACCORDANCE WITH AN ANNUAL INSPECTION AND WTS DETERMINED TO BE IN AIRWORTHY CONDITION				

Jany Idgon Moore FA 300549638

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
19__	HOURS	10ths		
03 FEB 08	TACH 4729.1	TOTAL TIME 4729.1	<p>CHECKED FLIGHT CONTROLS, CABLES, HINGES, AND PULLIES. CHECKED BATTERY AND LIGHTS, CHECKED TIRES, WHEELS AND BRAKES, CHECKED FUEL SCREEN. REPLACED BATTERY IN ELT (POINTER 3000 S/N 325852) AND CHECKED PER 91.207. BATTERY EXPIRES JAN 2010. CHECKED SEAT ROLLERS AND TRACKS PER AD 872003/R AND DETERMINED TO BE O.K. AD CHECKED THRU 2008-01</p> <p>I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.</p>	<p><i>Gay Edgar Moore</i> IA 300549638</p>
<p>ATC TRANSPONDER TEST AND INSPECTIONS, AS REQUIRED BY FAR 91.413, IN ACCORDANCE WITH FAR 43, APPENDIX 'T', HAVE BEEN PERFORMED.</p>	<p>TRANSPONDER MODEL <u>RT76A</u></p>	<p>S/N <u>75597</u></p>	<p>AUTOMATIC PRESSURE ALTITUDE REPORTING SYSTEM TESTED AS REQUIRED BY FAR 91.411 LAW FAR 43, APPENDIX 'G' PARA (C) <u>AR 850</u> S/N <u>28784</u></p>	
			<p>DATE <u>7-07-08</u> LAMP AVIATION SERVICE, INC. FAA-APPROVED REPAIR STATION NRSR01902 257 AIRPORT RD, CARROLLTON, OH 44615</p>	
			<p><i>Stewart Spies</i> #2434608</p>	

MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
12 MAY 2009	TACH 4758.8	TOTAL TIME 4758.8	CHECKED FLIGHT CONTROLS, HINGES, AND PULLIES, CHECKED BATTERY & LIGHTS. CHECKED TIRES, WHEELS, & BRAKES. CHECKED AND CLEANED GASCOLATOR SCREEN, NO DEBRIS FOUND. CHECKED MUFFLERS AND EXHAUST SYSTEM, POINTER 3000 ELT CHECKED FOR OPERATION 1/A/W 9/207. BATTERY EXPIRES JAN. 2010. C/W 87-20-03 SEAT TRACKS & ROLLERS. AD'S CHECKED THRU 2009-05. I CERTIFY THIS AIRCRAFT WAS INSPECTED 1/A/W AN ANNUAL INSPECTION AND WAS FOUND IN AIRWORTHY CONDITION.	
1 JULY, 2010	TACH 4776.16	TOTAL 4776.16	CLEANED FIREWALL AND BATTERY BOX CORROSION FROM BATTERY ACID BOILOVER, RECHARGED, TESTED AND REINSTALLED BATTERY. CLEANED VOLTAGE REGULATOR CONTACT POINTS. RESTAKED 6 STEEL RIVETS IN LOWER LEFT OUTBOARD FIREWALL. TREATED FIREWALL WITH CORROSION-X INSTALLED NEW STEERING ROD BOOTS A/N 09-17365. SERVICED BRAKE MASTER CYLINDERS. REPLACED AND PAINTED RUDDER CAP WITH NEW PART. SERVICED FUEL STRAINER. CHECKED LANDING LIGHTS, POSITION LIGHTS, AND ROTATING BEACON.	

CONTINUED

MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
			REPLACED LEFT AND RIGHT MUFFLERS WITH NEW VICO CRAFT A/N 568-110 S/N 10390-0003 AND 10390-0004. REPLACED NEW BEARING CUPS AND CONES WITH NEW TIMKEN 08231 and 08255. REINSTALLED PREVIOUSLY REMOVED NOSE WHEEL FAIRING. REPACKED MAIN WHEEL BEARINGS. REPLACED 3"11 SCAT HOSE FROM CARB HEAT BOX TO CABIN HEAT BOX. ELT BATTERY REPLACED WITH NEW. ELT BATTERY EXPIRES APRIL 2012. POINTER 3000 ELT S/N 325852 CHECKED FOR OPERATION I/A/W 91-207(d), C/W 87-20-03 R2 SEAT TRACKS BY INSPECTION. C/W 72-03-03 R3 FLAP JACK SCREW BY INSPECTION AND LUBRICATION. I CERTIFY THIS AIRCRAFT WAS INSPECTED I/A/W AN ANNUAL INSPECTION AND WAS FOUND TO BE AIRWORTHY. Joseph R. Henry 1979862FA	

MAINTENANCE RECORD

DATE 19____	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
APRIL 10, 2012			TT 4782.41 TACH 4782.41 SMOH 1107.95 C/W AD 72-03-03R3 FLAP ACTUATOR BY INSPECTION AND LUBE. DUE AGAIN IN 100 HRS OR NEXT ANNUAL C/W AD 11-10-09 SEAT RAILS AND TRACKS BY INSPECTION AND MEASUREMENT DUE AGAIN IN 100 HRS OR NEXT ANNUAL C/W AD 76-07-12 BENDIX SWITCH BY OPS CHECK. DUE AGAIN IN 100 HRS OR NEXT ANNUAL SERVICED SHIMMY DAMPER. SERVICED INDUCTION FILTER. POINTER ELT S/N 325852 CHECKED FOR OPERATION I/A/W 91.207(d) AND FOUND SATISFACTORY. ELT BATTERY DUE APRIL 2012. I CERTIFY THIS AIRCRAFT WAS INSPECTED I/A/W AN ANNUAL INSPECTION AND WAS FOUND TO BE AIRWORTHY. Joseph R Hume A.P. 1979862 FA	
20 AUG 2013	TACH	4794.6	TOTAL TIME 4794.6 CHECKED FLIGHT CONTROLS, CABLES, HINGES, AND PULLIES CHECKED TIRES, WHEELS, AND BRAKES. CLEANED AND REPACKED WHEEL BEARINGS. CHECKED BATTERY AND LIGHTS CLEANED AND LUBED RUDDER CROSS BARS. CHECKED ELT (POINTER 3000 S/N 325852) PER 91.207. BATTERY EXPIRES July 2014. VISUALLY AND DIMENSIONALLY CHECKED SEAT TRACKS, ROLLERS, HOUSING, AND STOP PINS PER AD 11-10-09. AD'S CHECKED THRU 200K AVIATION 2013-084 I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION Gay G. Galt Moore FA 3534663	

MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
20 MARCH 2016			TACH 4796.4 TOTAL TIME 4796.4 CHECKED FLIGHT CONTROLS, CABLES, HINGES AND PULLIES. CHECKED BATTERY AND LIGHTS CHECKED TIRES, WHEELS, AND BRAKES, REPLACED BATTERY IN ELT (POINTER 3000 SIN 325852) AND CHECKED PER 91.207. BATTERY EXPIRES APRIL 2018. CHECKED SEAT TRACKS, ROLLERS, HOUSINGS, AND STOP PINS PER AD 11-10-09. AD'S CHECKED THRU 2016-05. I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION Jay Edgar Moore FA 3534663 —	

MAINTENANCE RECORD

TOTAL
IN SER

HOURS

DRIZED SIG
RTIFICATE
& NUMBE



Engine & Airframe Solutions Worldwide

2000 Industrial Rd. East, Suite 100 (304) 842-0300-main

Bridgeport, WV 26330

(304) 842-2122-fax

Aircraft Reg #	Aircraft Serial #	Manufacturer	Model	Year	Aircraft TT	
N5540R	17253123	CESSNA	1964	9-Aug-2016	4804.19	
Installed shim washers on each side of scissor link lower bushing. Removed nose wheel shimmy damper, flushed old fluid, serviced with new fluid, and reinstalled nose wheel shimmy damper. All work performed IAW Cessna 172F AMM chapter 5-35 & 2-27. Air pressure in nose and main tires adjusted as required. Ops checks performed with no discrepancies noted.						

**Maintenance
Release:**

EASW certifies that the aircraft identified above was repaired or altered, inspected and found airworthy for return to service in accordance with current FAA Regulations. Repair details on file at this facility.

Work Order No: 013306

Printed Name: Jerry Rembold

Authorized Signature:

Date: 10-Aug-16

CRS E4FR663Y


EASW Form Q003A

Revision: 3

Revision Date: 15 May 2013

TIME
VICE

10ths

Aircraft Reg #	Manufacturer	Model	Tach Time	Total Cycles	Date
N5540R	CESSNA	1964	4807.72	NA	8/15/2016
Replaced bulb in rotating becon with customer supplied part. OPS check good.					
Maintenance Release The Aircraft and/or component identified above was repaired and inspected in accordance with current FAA regulations and found airworthy for return to service.					
Work Order No.			13318	Date:	15-Aug-16
Technician Signature: 			A&P 3547661		

Technician Form AP007A1

Revision: NC Revision Date: 11/07/08

MAINTENANCE RECORD



MAINTENANCE ENTRY

Aircraft N#: N5540R	Aircraft S/N: 17253123	Airframe TT: 4809.08	LNDG: _____
APU S/N: N/A	#1 ENG S/N: 33109-D	#1 ENG TT: 4796.4	CYC: _____
APU HRS: _____	#2 ENG S/N: _____	#2 ENG TT: _____	CYC: _____
APU Events: _____	#3 ENG S/N: _____	#3 ENG TT: _____	CYC: _____

The following tasks were complied with under Airtech Work Order 081716-01

Pilot reports right hand fuel quantity is inop. - Removed and replaced right hand fuel quantity indicator IAW Cessna 100 Series manual Rev. 13 Section 13-17. | P/N on: MC0523557-1, P/N off: MC0523557-1 | S/N on: NSN, S/N off: NSN

APPROVAL FOR RETURN TO SERVICE

I certify that the aircraft, airframe, engine, propeller or appliance identified above was repaired and inspected/tested in accordance with current regulations of the Federal Aviation Administration, , and is approved for return to service for the work performed.

Date: 8-19-2016 Authorized Signature: *[Signature]* Certificate Number: CRS 5A8R960B

Pertinent details of the work performed under Airtech work order 081716-01 are retained on file at FAA repair station #5A8R960B



Engine & Airframe Solutions Worldwide

2000 Industrial Rd. East, Suite 100

Bridgeport, WV 26330

(304) 842-0300-main

(304) 842-2122-fax

Aircraft Reg #	Aircraft Serial #	Manufacturer	Model	Year	Aircraft TT	Aircraft TC
N5540R	17253123	CESSNA	172F	1964	4811.97	N/A

Repacked NLG Oleo Strut. Serviced NLG Oleo Strut with MIL-H--5606, pressure to 35psi. Re-bushed NLG Torque Links. NLG tire serviced to 26psi. L&R MLGTire serviced to 24psi. Work accomplished IAW Cessna 172 Maintenance Manual.

Maintenance Release: EASW certifies that the aircraft identified above was repaired or altered, inspected and found airworthy for return to service In accordance with current FAA Regulations. Repair details on file at this facility.

Work Order No. 13332

Printed Name Howard Saffle

Authorized Signatur

Howard P. Saffle

Date: August 30, 2016

CRS E4FR663Y

EASW Form Q003A

Revision: 3

Revision Date: 15 May 2013

MAINTENANCE RECORD

DATE 19____	TOTAL TIME IN SERVICE	DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE 2 NUMBER
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MAINTENANCE ENTRY

Aircraft N#: N5540R	Aircraft S/N: 17253123	Airframe TT: 4820.47	LNDG: _____
APU S/N: N/A	#1 ENG S/N: _____	#1 ENG TT: _____	CYC: _____
APU HRS: _____	#2 ENG S/N: _____	#2 ENG TT: _____	CYC: _____
APU Events: _____	#3 ENG S/N: _____	#3 ENG TT: _____	CYC: _____

The following tasks were complied with under Airtech Work Order 092816-01

- 1 Hardware requires change on carburetor mixing lever at cable attachment. - Removed unserviceable hardware at carburetor mixing lever cable and installed new serviceable hardware and rigged in accordance with Cessna maintenance manual section 12A-54. Ops check good. I P/N on: MCS2323-1, P/N off: N/A I S/N on: NSN, S/N off: N/A
- 2 For the adding of and replacement of aircraft audio/intercom system. - Installed SPA-4S intercom system IAW Sigtronics installation instructions with reference to AC 43.13-1B Chapter 11. Operational check good IAW Sigtronics check out described in installation instructions. I P/N on: SPA-4S, P/N off: N/A I S/N on: 4604640, S/N off: N/A

APPROVAL FOR RETURN TO SERVICE

I certify that the aircraft, airframe, engine, propeller or appliance identified above was repaired and inspected/tested in accordance with current regulations of the Federal Aviation Administration, , and is approved for return to service for the work performed.

Date: 11-21-2016 Authorized Signature: *SR-MSC* Certificate Number: CRS 5A8D960B

Pertinent details of the work performed under Airtech work order 092816-01 are retained on file at FAA repair station #5A8D960B



MAINTENANCE ENTRY

Aircraft N#: N5540R

Aircraft S/N: 17253123

Airframe TT: 4818.37

LNDG: UNK

APU S/N: N/A

#1 ENG S/N:

#1 ENG TT:

CYC:

APU HRS:

#2 ENG S/N:

#2 ENG TT:

CYC:

APU Events:

#3 ENG S/N:

#3 ENG TT:

CYC:

The following tasks were complied with under Airtech Work Order 090716-01

Pilot reports Transponder "Mode C" INOP. - During troubleshooting of the transponder, it was discovered that the altitude encoder was defective. Removed defective encoder referencing Form 337 dated 4/6/1988 and installed new encoder IAW manufacturers instructions and AC 43, documented on Form 337 dated 9/20/2016. I P/N on: A-30.9, P/N off: AR-850 I S/N on: 140477, S/N off: 28784

Pilot reports that rudder control is weak. - Performed visual inspection of rudder control circuit. Verified correct travel and deflection of rudder control surface. No defects noted at this time. System found to be serviceable. Returned to service.

During engine runs, mixture cable broke at carburetor connection point. Requires replacement. - Removed defective mixture control cable and installed new mixture control cable IAW Cessna 172 Manual and McFarlane Aviation Inc Drawing Number 1390. Performed rigging of cable IAW Cessna 172 Manual and McFarlane Drawing Number 1390. Performed engine ground run and function check. Ops check good at this time. I P/N on: MC600-72, P/N off: UNK I S/N on: NSN, S/N off: NSN

New encoder and transponder system require recertification due to replacement of altitude encoder. See item #1 for details. - Correction to discrepancy. A verification/test only of the system is required per FAR 91.411 and 91.413. A detail of work performed can be found on attached Form 337. System is due for 24 Month Re-certification on 7/5/2018. I P/N on: N/A, P/N off: N/A I S/N on: N/A, S/N off: N/A

During testing of the transponder system post installation of the new altitude encoder, it was discovered that the transponder was defective. - Removed defective transponder P/N 066-1062-00, S/N 75597 and installed serviceable continued time transponder, P/N 066-1062-00, S/N 39560. Next Due 24 Month 7/8/2018. I P/N on: 066-1062-00, P/N off: 066-1062-00 I S/N on: 39560, S/N off: 75597

APPROVAL FOR RETURN TO SERVICE

I certify that the aircraft, airframe, engine, propeller or appliance identified above was repaired and inspected/tested in accordance with current regulations of the Federal Aviation Administration, , and is approved for return to service for the work performed.

Date: 9-22-2016 Authorized Signature: JR [Signature] Certificate Number: CRS 5A8R960B

Pertinent details of the work performed under Airtech work order 090716-01 are retained on file at FAA repair station #5A8R960B



MAINTENANCE ENTRY

Aircraft N#: N5540R

Aircraft S/N: 17253123

AirframeTT: 4820.47

LNDG: _____

APU S/N: N/A

#1 ENG S/N: _____

#1 ENG TT: _____

CYC: _____

APU HRS: _____

#2 ENG S/N: _____

#2 ENG TT: _____

CYC: _____

APU Events: _____

#3 ENG S/N: _____

#3 ENG TT: _____

CYC: _____

The following tasks were complied with under Airtech Work Order 092816-01

1 Hardware requires change on carburetor mixing lever at cable attachment. - Removed unserviceable hardware at carburetor mixing lever cable and installed new serviceable hardware and rigged in accordance with Cessna maintenance manual section 12A-54. Ops check good. | P/N on: MCS2323-1, P/N off: N/A | S/N on: NSN, S/N off: N/A

2 For the adding of and replacement of aircraft audio/intercom system. - Installed SPA-4S intercom system IAW Sigtronics installation instructions with reference to AC 43.13-1B Chapter 11. Operational check good IAW Sigtronics check out described in installation instructions. | P/N on: SPA-4S, P/N off: N/A | S/N on: 4604640, S/N off: N/A

APPROVAL FOR RETURN TO SERVICE

I certify that the aircraft, airframe, engine, propeller or appliance identified above was repaired and inspected/tested in accordance with current regulations of the Federal Aviation Administration, , and is approved for return to service for the work performed.

Date: 11-21-2016 Authorized Signature: _____

Certificate Number: CRS 5A8D960B

Pertinent details of the work performed under Airtech work order 092816-01 are retained on file at FAA repair station #5A8D960B



MAINTENANCE ENTRY

Aircraft N#: N5540R

Aircraft S/N: 17253123

AirframeTT: 4820.47

LNDG: N/A

APU S/N: N/A

#1 ENG S/N:

#1 ENG TT:

CYC:

APU HRS:

#2 ENG S/N:

#2 ENG TT:

CYC:

APU Events:

#3 ENG S/N:

#3 ENG TT:

CYC:

The following tasks were complied with under Airtech Work Order 011817-01

- 2 Flight controls require removal to facilitate painting of aircraft. - Removed both L/H and R/H ailerons IAW Cessna 172 MM Section 6-15.
Removed rudder IAW Cessna 172 MM 10-7. Removed L/H and R/H elevators IAW Cessna MM 8-5.
3 Reinstall flight controls post paint. - INSTALLED UNDER W/O 061717-01, ITEMS 2 - 5

APPROVAL FOR RETURN TO SERVICE

I certify that the aircraft, airframe, engine, propeller or appliance identified above was repaired and inspected/tested in accordance with current regulations of the Federal Aviation Administration, Airtech RSM, PA-31-350 AMM, and is approved for return to service for the work performed.

Date: 9-29-2018 Authorized Signature:

Certificate Number: CRS 5A8D960B



MAINTENANCE ENTRY

Aircraft N#: N5540R

Aircraft S/N: 17253123

AirframeTT: 4820.47

LNDG: _____

APU S/N: _____

#1 ENG S/N: _____

#1 ENG TT: _____

CYC: _____

APU HRS: _____

#2 ENG S/N: _____

#2 ENG TT: _____

CYC: _____

APU Events: _____

#3 ENG S/N: _____

#3 ENG TT: _____

CYC: _____

The following tasks were complied with under Airtech Work Order 092717-02

- 1 NLG STRUT LEAKING - Removed nose strut and overhauled using Cessna nose strut kit 05-03602, re-installed nose strut and serviced strut IAW Cessna 100 series AMM 5-29, 5-32, 2-20 and section 1 | P/N on: 05-03602, P/N off: null
- 2 Shimmy dampener attach hardware worn beyond limits - Removed and replaced hardware IAW Cessna 172 AMM 5-32 & 5-33
- 3 Shimmy dampener requires servicing - Serviced shimmy dampener IAW Cessna AMM 2-21

APPROVAL FOR RETURN TO SERVICE

I certify that the aircraft, airframe, engine, propeller or appliance identified above was repaired and inspected/tested in accordance with current regulations of the Federal Aviation Administration, Airtech RSM, PA-31-350 AMM, and is approved for return to service for the work performed.

Date: 9-29-2018 Authorized Signature: Nehls Opt Certificate Number: CRS 5A8D960B

Pertinent details of the work performed under Airtech work order 092717-02 are retained on file at FAA repair station



MAINTENANCE ENTRY

Aircraft N#: N5540R

Aircraft S/N: 17253123

Airframe TT: 4820.47

LNDG: _____

APU S/N: _____

#1 ENG S/N: _____

#1 ENG TT: _____

CYC: _____

APU HRS: _____

#2 ENG S/N: _____

#2 ENG TT: _____

CYC: _____

APU Events: _____

#3 ENG S/N: _____

#3 ENG TT: _____

CYC: _____

The following tasks were complied with under Airtech Work Order 041318-02

2 L/H OTBD wing dented - Found to be within limits IAW Cessna 172 AMM 19-14

5 Service NLG strut - Serviced strut IAW Cessna 100 series AMM 5-29, 5-32, 2-20 and section 1

APPROVAL FOR RETURN TO SERVICE

I certify that the aircraft, airframe, engine, propeller or appliance identified above was repaired and inspected/tested in accordance with current regulations of the Federal Aviation Administration, Airtech RSM, PA-31-350 AMM, and is approved for return to service for the work performed.

Date: 9-29-2018 Authorized Signature: Richard W. Pate

Certificate Number: CRS 5A8D960B

Pertinent details of the work performed under Airtech work order 041318-02 are retained on file at FAA repair station #5A8D960B



MAINTENANCE ENTRY

Aircraft N#:	N5540R	Aircraft S/N:	17253123	AirframeTT:	4820.47	LNDG:	
APU S/N:		#1 ENG S/N:		#1 ENG TT:		CYC:	
APU HRS:		#2 ENG S/N:		#2 ENG TT:		CYC:	
APU Events:		#3 ENG S/N:		#3 ENG TT:		CYC:	

The following tasks were complied with under Airtech Work Order 060717-03

- 1 PERFORM 100 HR / ANNUAL INSPECTION - Performed 100 hr / annual inspection IAW Cessna inspection checklist
- 2 REINSTALL R/H ELEVATOR, (REMOVED UNDER W/O 011817-01, ITEM 2) - INSTALLED R/H ELEVATOR IAW CESSNA 172 AMM 8-2
- 3 REINSTALL L/H ELEVATOR, (REMOVED UNDER W/O 011817-01, ITEM 2) - INSTALLED L/H ELEVATOR IAW CESSNA AMM 8-2
- 4 REINSTALL RUDDER, (REMOVED UNDER W/O 011817-01, ITEM 2) - INSTALLED RUDDER IAW CESSNA 172 AMM 10-7
- 6 REINSTALL L/H AILERON, (REMOVED UNDER W/O 011817-01, ITEM 2) - INSTALLED L/H AILERON IAW CESSNA 172 AMM 6-16
- 7 LWR ENGINE COWL HAS SEVERAL HOLES, CHAFFED IN SEVERAL AREAS AND SKIN CRACKED ON AIR SCOOP, P/N 0552010-82 AT AIR INDUCTION BOX - Repaired IAW Cessna 172 AMM 19-36
- 8 NOSE CAP LWR L/H DOUBLER CRACKED, P/N 0552010-45 - Repaired IAW Cessna 172 AMM 19-36
- 9 NOSE CAP LWR CRACKED BEYOND STOP DRILL, P/N 0552010-4 - Repaired IAW Cessna 172 AMM 19-36
- 10 TAIL NAV LIGHT HAS A BROKEN/CUT SPLICE AT LWR RUDDER ATTACH POINT - REMOVED DAMAGED SPLICE, INSTALLED KNIFE CONNECTORS AND SHRINK TUBING IAW AC43.13B, 11-178 STANDARD PRACTICES, PERFORMED OPS CHECK, OPS CHECKS GOOD
- 11 R/H ELEVATOR TIP CAP CRACKED IN SEVERAL PLACES AND AFT INBD CORNER BROKEN AND RIVET MISSING ON ELEVATOR - Transferred to W/O 080718-02
- 12 PILOT'S RUDDER PEDAL COVER BROKEN - FABRICATED REPAIR DOUBLER FROM 2024-T3 0.025 ALUMINUM AND INSTALLED DOUBLER IAW AC43.13B, 4-58 STANDARD PRACTICES

APPROVAL FOR RETURN TO SERVICE

I certify that the aircraft, airframe, engine, propeller or appliance identified above was repaired and inspected/tested in accordance with current regulations of the Federal Aviation Administration, Airtech RSM, PA-31-350 AMM, and is approved for return to service for the work performed.

Date: 9-30-2018 Authorized Signature:

Certificate Number: CRS 5A8D960B



MAINTENANCE ENTRY

Aircraft N#:	N5540R	Aircraft S/N:	17253123	AirframeTT:	4820.47	LNDG:	
APU S/N:		#1 ENG S/N:		#1 ENG TT:		CYC:	
APU HRS:		#2 ENG S/N:		#2 ENG TT:		CYC:	
APU Events:		#3 ENG S/N:		#3 ENG TT:		CYC:	

The following tasks were complied with under Airtech Work Order 060717-03

- 13 WINDSHIELD NEEDS RESEALED - Resealed windshield IAW Cessna 172 AMM 3-7
- 14 NOSE TIRE SHOWS SIGNS OF DRY ROT/CRACKING - REMOVED NOSE WHEEL ASSEMBLY, REMOVED TIRE AND TUBE AND REPLACED WITH NEW 5.00-5 6PLY TIRE AND NEW 5.00-5 TUBE, CLEANED AND REPACKED WHEEL BEARINGS, AND INSTALLED NOSE WHEEL ASSEMBLY IAW CESSNA MM 5-28 TO 5-31 | P/N on: 06-08200, P/N off: N/A | S/N on: A1D4331, S/N off: A1D442
- 16 ADEL CLAMP RUBBER ON CARB HEAT CABLE WORN/TORN, NEEDS REPLACED - REMOVED AND REPLACED ADEL CLAMP WITH NEW SERVICEABLE ADEL CLAMP P/N MS21919-WH4, PERFORMED OPERATIONAL CHECK TO ENSURE CABLE NOT BINDING, OPS CHECK GOOD.
- 17 MAIN BATTERY REQUIRES SERVICING AND CHARGED - LOW VOLTAGE - SERVICED MAIN BATTERY AND CHARGED IAW CESSNA 172 MM 16-19 FOR SERVICING AND 16-21 FOR CHARGING.
- 18 L/H LOWER FLEXIBLE TUBING / SCAT TUBING FROM AIR INDUCTION BOX TO EXHAUST SHROUD HAS HOLES IN IT, P/N S1053K16 - Removed and replaced tubing IAW AC 43.14-1B standard practices | P/N on: S1053K16, P/N off: S1053K16 | S/N on: -, S/N off: -
- 21 OIL TEMP INOP - Removed oil temp sending unit and installed new sending unit and oil temp gauge, P/N D1-211-5090, S/N 2525 IAW installation instruction provided by Mitchell Aircraft Products | P/N on: D1-211-5090, P/N off: N/A | S/N on: 2525, S/N off: N/A
- 23 ALL SEAT BELTS REQUIRE REPLACEMENT PER 10 YEAR REQUIREMENT - REMOVED OLD SEALT BELT AT ALL LOCATIONS AND INSTALLED NEW AND SERVICEABLE SEAT BELT ASSEMBLIES AT ALL LOCATIONS | P/N on: 13-00203, P/N off: 501801-409-2271

APPROVAL FOR RETURN TO SERVICE

I certify that the aircraft, airframe, engine, propeller or appliance identified above was repaired and inspected/tested in accordance with current regulations of the Federal Aviation Administration, Airtech RSM, PA-31-350 AMM, and is approved for return to service for the work performed.

Date: 9-30-2018 Authorized Signature:



Certificate Number: CRS 5A8D960B



MAINTENANCE ENTRY

Aircraft N#:	N5540R	Aircraft S/N:	17253123	AirframeTT:	4820.47	LNDG:	
APU S/N:		#1 ENG S/N:		#1 ENG TT:		CYC:	
APU HRS:		#2 ENG S/N:		#2 ENG TT:		CYC:	
APU Events:		#3 ENG S/N:		#3 ENG TT:		CYC:	

The following tasks were complied with under Airtech Work Order 060717-03

- 24 RH FWD BAFFLE CRACKED IN SEVERAL PLACES BEYOND STOP DRILLS, AND MOUNTING TAB BROKEN - FABRICATED REPAIR DOUBLER FROM 2024-T3 .032 ALUMINUM AND INSTALLED IAW AC43-13B 4-59
- 25 LH FWD BAFFLE CRACKED - FABRICATED REPAIR DOUBLER FROM 2024-T3 .032 ALUMINUM AND INSTALLED IAW AC43-13B 4-59
- 26 LWR COWLING, L/H STIFFENER, IS GOUGED IN THREE PLACES, P/N 0552010-25 - FABRICATED REPAIR DOUBLER FROM 2024-T3 .032 ALUMINUM AND INSTALLED IAW AC43-13B 4-59
- 27 LWR COWLING, R/H STIFFENER, HAS A 1.3" HOLE WORN THROUGH IT AND IS CRACKED, P/N 0552010-26 - FABRICATED REPAIR DOUBLER FROM 2024-T3 .032 ALUMINUM AND INSTALLED IAW AC43-13B 4-59
- 28 R/H BAFFLE ASSY, REAR VERTICAL, P/N 055518, CRACKED IN SEVERAL PLACES BEYOND STOP DRILLS - FABRICATED REPAIR DOUBLER FROM 2024-T3 .032 ALUMINUM AND INSTALLED IAW AC43-13B 4-59
- 29 R/H ELEVATOR TIP CRACKED IN SEVERAL PLACES - TRANSFERED TO W/O 080718-01
- 30 REMOVE AND REPLACE FWD R/H BAFFLE SEAL - REMOVED AND REPLACED SEALS IAW CESSNA 172 AMM 12-62
- 31 RE-SECURE INTERIOR SIDEWALL PANELS - RE-SECURED PANELS IAW CESSNA 172 AMM 3-32
- 32 LANDING LIGHT LENSE COVER CRAZED - REMOVED AND REPLACED LENSES WITH NEW GREAT LAKES AERO COVER IAW MANUFACTURES INSTALLATION INSTRUCTIONS | P/N on: W-2321, P/N off: N/A | S/N on: N/A, S/N off: N/A
- 33 NOSE STRUT LEAKING - TRANSFERED TO W/O 080718-01

APPROVAL FOR RETURN TO SERVICE

I certify that the aircraft, airframe, engine, propeller or appliance identified above was repaired and inspected/tested in accordance with current regulations of the Federal Aviation Administration, Airtech RSM, PA-31-350 AMM, and is approved for return to service for the work performed.

Date: 9-30-2018 Authorized Signature:

Certificate Number: CRS 5A8D960B



MAINTENANCE ENTRY

Aircraft N#: N5540R

Aircraft S/N: 17253123

Airframe TT: 4820.47

LNDG: _____

APU S/N: _____

#1 ENG S/N: _____

#1 ENG TT: _____

CYC: _____

APU HRS: _____

#2 ENG S/N: _____

#2 ENG TT: _____

CYC: _____

APU Events: _____

#3 ENG S/N: _____

#3 ENG TT: _____

CYC: _____

The following tasks were complied with under Airtech Work Order 060717-03

34 RIGHT HAND WING LEADING EDGE DENTED - REPAIRED DENT IAW AC 43.13-1B AND CESSNA 172 AMM 19-8

35 PERFORM HIDDEN DAMAGE INSPECTION ON RIGHT HAND WING - PERFORMED DAMAGE INSPECTION, NO FURTHER DEFECTS NOTED AT THIS TIME

37 Perform 100 hr / annual - propeller - Performed 100 hr / annual inspection IAW Cessna inspection checklist

33 R/H wing end cap damaged - Removed and fabricated repair doublers from 2024-T3 aluminum and reinstalled IAW Cessna 172 AMM 6-19

39 Remove for shoring wing, R/H aileron - Removed R/H aileron IAW Cessna 172 AMM 6-19

APPROVAL FOR RETURN TO SERVICE

I certify that the aircraft, airframe, engine, propeller or appliance identified above was repaired and inspected/tested in accordance with current regulations of the Federal Aviation Administration, Airtech RSM, FA-31-350 AMM, and is approved for return to service for the work performed.

Date: 9-30-2018 Authorized Signature: _____

Certificate Number: CRS 5A8D960B

Pertinent details of the work performed under Airtech work order 060717-03 are retained on file at FAA repair station #5A8D960B



MAINTENANCE ENTRY

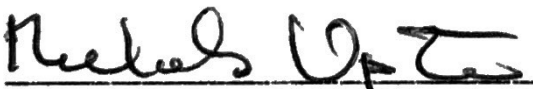
Aircraft N#:	N5540R	Aircraft S/N:	17253123	Airframe TT:	4818.37	LNDG:	UNK
APU S/N:	N/A	#1 ENG S/N:		#1 ENG TT:		CYC:	
APU HRS:		#2 ENG S/N:		#2 ENG TT:		CYC:	
APU Events:		#3 ENG S/N:		#3 ENG TT:		CYC:	

The following tasks were complied with under Airtech Work Order 090716-01

- 1 Pilot reports Transponder "Mode C" INOP. - During troubleshooting of the transponder, it was discovered that the altitude encoder was defective. Removed defective encoder referencing Form 337 dated 4/6/1988 and installed new encoder IAW manufacturers instructions and AC 43, documented on Form 337 dated 9/20/2016. | P/N on: A-30.9, P/N off: AR-850 | S/N on: 140477, S/N off: 28784
- 2 Pilot reports that rudder control is weak. - Performed visual inspection of rudder control circuit. Verified correct travel and deflection of rudder control surface. No defects noted at this time. System found to be serviceable. Returned to service.
- 3 During engine runs, mixture cable broke at carburetor connection point. Requires replacement. - Removed defective mixture control cable and installed new mixture control cable IAW Cessna 172 Manual and McFarlane Aviation Inc Drawing Number 1390. Performed rigging of cable IAW Cessna 172 Manual and McFarlane Drawing Number 1390. Performed engine ground run and function check. Ops check good at this time. | P/N on: MC600-72, P/N off: UNK | S/N on: NSN, S/N off: NSN
- 4 New encoder and transponder system require recertification due to replacement of altitude encoder. See item #1 for details. - Correction to discrepancy. A verification/test only of the system is required per FAR 91.411 and 91.413. A detail of work performed can be found on attached Form 337. System is due for 24 Month Re-certification on 7/5/2018. | P/N on: N/A, P/N off: N/A | S/N on: N/A, S/N off: N/A
- 5 During testing of the transponder system post installation of the new altitude encoder, it was discovered that the transponder was defective. - Removed defective transponder P/N 066-1062-00, S/N 75597 and installed serviceable continued time transponder, P/N 066-1062-00, S/N 39560. Next Due 24 Month 7/8/2018. | P/N on: 066-1062-00, P/N off: 066-1062-00 | S/N on: 39560, S/N off: 75597

APPROVAL FOR RETURN TO SERVICE

I certify that the aircraft, airframe, engine, propeller or appliance identified above was repaired and inspected/tested in accordance with current regulations of the Federal Aviation Administration, Airtech RSM, PA-31-350 AMM, and is approved for return to service for the work performed.

Date: 9-29-2018 Authorized Signature:  Certificate Number: CRS 5A8D960B



Airtech, LLC · 662 Airport Road · Buckhannon, West Virginia 26201 304-439-2445

N5540R

September 29, 2018

Tach: 4821.07

Hobbs: 1501.6

1. Cleaned and degreased aircraft IAW Cessna 172 AMM 2-23 to 2-30.
2. Prepped aircraft for paint IAW Cessna 172 AMM 20-3.
3. Primed and painted aircraft IAW Cessna 172 AMM 20-9 and 20-16.
4. Installed and rigged elevator IAW Cessna 172 AMM 8-5 and 8-11.
5. Installed and rigged elevator IAW Cessna 172 AMM 8-5 and 8-11.
6. Installed and rigged rudder IAW Cessna 172 AMM 10-9 and 10-10.
7. Installed flap IAW Cessna 172 AMM 7-16 and instructions for McFarlane flap roller upgrade kit FLP-KT-9U and rigged IAW Cessna AMM 7-17.
8. Installed flap IAW Cessna 172 AMM 7-16 and instructions for McFarlane flap roller upgrade kit FLP-KT-9U and rigged IAW Cessna AMM 7-17.
9. Painted nose strut lower fork IAW Cessna 172 AMM 20-15 & 20-16.
10. Removed mud dobbers nest using standard practices.



Airtech, LLC - 662 Airport Road - Buckhannon, West Virginia 26201 - 304-439-2445

11. Removed and cleaned debris from rudder IAW standard practices.
12. Installed and rigged ailerons IAW Cessna 172 AMM 6-21 and 6-22.
13. Removed and replaced burnt out bulb with new and serviceable WL-A-7515-12 bulb, performed ops check, IAW Cessna 172 AMM 17-44, no defects noted at this time.
14. Removed and replaced tip IAW Cessna 172 AMM 19-39 and AC 43.13-1E.
15. Removed and replaced tip IAW Cessna 172 AMM 19-39 and AC 43.13-1B.
16. Removed and replaced corroded fastener in L/H nav. light base and install 1 ea. MS24693S28 screw IAW AC 43.13-1B standard practices.
17. Repaired and painted IAW Cessna 172 AMM 19-67 & 20-16.
18. Repaired and painted IAW Cessna 172 AMM 19-67 & 20-16.
19. Repaired and painted IAW Cessna 172 AMM 19-67 & 20-16.
20. Cleaned interior IAW Cessna 172 AMM 2-29.
21. Raised aircraft nose, removed 5 x5.00 6 Ply tire, S/N A7D4331, nose tire and wheel assy, broke down tire, inspected tire and tube, installed new and servicable 5 x5.00 6 Ply tire, S/N A1D42518, and new 5 x5.00 Leakguard inner tube, static balanced wheel assy and installed and serviced tire to operating pressure, lowered nose of aircraft IAW Cessna 172 AMM 5-34.



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22. Prep A/C for weighing.
23. Defueled aircraft, aircraft weighed empty, #1: Nose, 374.00 lbs, L/H main, 536.00, R/H main 567.00, total 1477.00, #2: Nose, 396.00 lbs, L/H main, 529.00, R/H main 561.00, total 1476.00, #3: Nose, 379.00 lbs, L/H main, 533.00, R/H main 565.00, total 1476.00, #4: Nose, 381.00 lbs, L/H main, 531.00, R/H main 563.00, total 1476.00, #5: Nose, 388.00 lbs, L/H main, 529.00, R/H main 560.00, total 1476.00,.
24. Defuel.
25. refuel.
26. Removed fuel and reinstalled after aircraft weighing IAW Cessna 172 AMM 2-12.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Airtech, LLC under work order: 080718-01.

Nicholas Upton CRS# 5A8D960B



Airtech of Ohio, LLC · 4765 Airport Rd · Cincinnati, Ohio 45226 · 888-780-2247

N5540R

tach: 4874.94

CESSNA, 172F, S/N: 17253123**October 20, 2019**

1. ACTT 4874.94 performed annual inspection IAW Cessna Service manual checklist. Replaced ELT, see item later in this work order for details. Performed repetitive inspections per AD 87-20-03 seat track inspection. I certify that this aircraft has been inspected IAW annual inspection requirements and is determined to be in airworthy condition. Engine compressions recorded as 1-72/80 2-78/80 3-75/80 4-75/80 5-76/80 6-78/80 Installed (1) AEROSHELL 14 - GREASE.
2. removed battery Gill G2S S/N G02904371 and installed battery G2S S/N 03049209 and serviced per Gill/Teledyne instructions for continued airworthiness TBP 1560 Rev 1 dated 03/01/17. Installed (1) G-25 - BATTERY.
3. Replaced Artex ELT with new Artex 406mHz ELT P/N 8102 S/N 317-01050 and antenna per Artex installation and maintenance manual Y1-03-0282 Rev H. Operationally checked satisfactory; this installation is a minor change with no change to weight and balance. Battery due replacement October 2026.
4. Installed TSO'ed crew member shoulder harnesses, part number H-603, in existing fastener locations per Cessna Service manual, AC 21-34, AC 23-4, and FAA policy statement ACE-00-23.561-01. Per applicable data, installation is a minor modification. Installed (2) H-65-LT - Harness.
5. Installed UAvionix Tailbeacon UAT transmitter per UAvionix STC SA04427CH. See FAA form 337 dated 12/30/2019 for details of installation and operational checkouts. Weight and balance change is negligible. Operational limits installed in POH and operational placards installed.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Airtech, LLC under work order: LUK91-20002.

Shawn Sanford Airframe & Powerplant 3805307



Airtech of Ohio, LLC. · 4765 Airport Rd · CINCINNATI, Ohio 45226 · 859-250-6822 · CRS#: 5A8R960B

N5540R
tach: 4962.41

CESSNA, 172F, S/N: 17253123
hobbs: 1501.6

October 30, 2020

2. Performed oil change, and cleaned and inspected Oil Filter Screen as required IAW Cessna 100 Series Service Manual Section 12-42. Installed (6) W100 QT - Oil, Piston Engine.
3. Serviced NLG strut with nitrogen as required IAW CE 100 Series Service Manual Para. 2-20.
4. Performed Annual Inspection IAW CE 100 Series Annual Inspection Checklist in Section 2-19. The cylinder compression test was good, the numbers are as follows: #1 67/80, #2 73/80, #3 74/80, #4 76/80, #5 75/80, #6 74/80.
5. Complied with AD 2011-10-09 DUE (Seat track wear and seat pin engagement). No discrepancies noted.
6. Replaced with new filter IAW CE 100 Series Service manual section 2-7. Installed (1) BA5110 - BRACKETT FILTER ASSEMBLY.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Airtech of Ohio, LLC. under work order: LUK145-20271.

Chris Busemeyer CRS# 5A8R960B

A large, stylized handwritten signature in black ink, appearing to read "CB", is written over a horizontal line.



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N5540R
tach: 4963.52

CESSNA, 172F, S/N: 17253123

November 2, 2020

Complied with FAR 91.411 and 91.413 Alt Cert: 20K Ft DPST-8000M SN: 040115-78 Cal Due: 08/2021
IFR-6000 SN: 2000000587 Cal Due: 03/2021 Altimeter PN: 5934-1 SN: R01
Transponder PN: 066-1062-00 SN: 39560.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Airtech of Ohio, LLC. under work order: LUK145-20282.

Joshua Forsyth CRS# 5A8R960B

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



Airtech of Ohio, LLC - 4765 Airport Rd - CINCINNATI, Ohio 45226 - 859-250-6822 - CRS#: 5A8R960B

N5540R
tach: 4966.88**CESSNA, 172F, S/N: 17253123****November 17, 2020**

Removed and Repacked, Serviced Shimmy Damper. Reinstalled and checked IAW Cessna 172 F MM Section 5.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Airtech of Ohio, LLC. under work order: LUK145-20304.

Shawn Sanford CRS# 5A8R960B 

Airtech of Ohio, LLC - 4765 Airport Rd - CINCINNATI, Ohio 45226 - 859-250-6822 - CRS#: 5A8R960B

N5540R
tach: 4969.5**CESSNA, 172F, S/N: 17253123**
hobbs: 0.0**December 1, 2020**

1. Removed Fairings as Required.
2. Removed and replaced HOBBS meter IAW CE 100 Series Service Manual 16-56A. Ops check good. Installed (1) 85012 - HOBBS METER.
3. Repaired wiring and replaced fuses as required IAW CE 100 series Service Manual 17-2.
4. Cleaned, inspected nose gear strut, serviced with hydraulic fluid and nitrogen IAW Cessna 172 service manual section 3-20, leak check good.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Airtech of Ohio, LLC. under work order: LUK145-20316.

Shawn Sanford CRS# 5A8R960B 



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N5540R

tach: 4971.6

CESSNA, 172F, S/N: 17253123

hobbs: 2.1

December 12, 2020

Confirmed that the transponder would not respond when pressing the IDENT button or testing with the IFR6000. Removed King PN:065-1062-00 SN:39560, replaced with King PN:066-1062-00 SN:127884. OPS checked good, performed correspondence test. Installed (1) KT76A - TRANSPONDER, S/N: 127884. Removed (1) KT76A - TRANSPONDER, S/N: 39560.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Airtech of Ohio, LLC. under work order: LUK145-20334.

Shawn Sanford CRS# 5A8R960B



Airtech of Ohio, LLC. · 4765 Airport Rd · CINCINNATI, Ohio 45226 859-250-6822 · CRS#: 5A8R960B

N5540R
hobbs: 8.2**CESSNA, 172F, S/N: 17253123**
tach: 4974.46**December 31, 2020**

1. Removed engine cowling. Ran engine. Noted strong fuel smell which indicated a rich idle mixture. Attempted adjustment to no avail. When engine is running and throttle is pushed forward rapidly the engine quits. Removed carb and installed O/H unit. Rigged throttle and mixture IAW CE 100 series service manual section 12-23. Installed (1) 10-4895-1 - CARBURETOR, S/N: MS0GR106, Installed (1) Core Deposit - Core Deposit, Removed (1) 10-4895-1 - CARBURETOR, S/N: MSC48003.
2. Removed engine cowling. Cleaned engine thoroughly. Ran engine. Found push rod tubes leaking. Removed lt and rt engine baffling. Removed lt and rt mufflers for access. Removed 6 ea valve covers, 12 ea push rod tubes. Replaced seals with new. IAW CE 100 series service manual section 12-10. Reinstalled all removed items. Ran engine. Lk ck good. Installed (6) RG-200-RS-1 - SEAL KIT.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Airtech of Ohio, LLC. under work order: LUK145-20358.

Chris Busemeyer CRS# 5A8R960B



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N5540R

hobbs: 19.1

CESSNA, 172F, S/N: 17253123

tach: 4981.49

February 2, 2021

Removed engine cowl. Removed and replaced spark plugs with new. Removed magnetos and sent out for overhaul. Installed new ignition harness assy. Reinstalled magnetos after O/H from Aircraft Accessories of Oklahoma CRS# RV3R829L WO #42643 and timed engine IAW CE 100 series service manual section 12-70 and Continental O-300 SPM CH 6-4.9.1 through 6-4.9.2. Cowled up engine. Ground ran engine. Ops ck good. Installed (12) UREM40E - SPARK PLUGS, Installed (1) M2932 - WIRE HARNESS, Installed (1) 6364 - MAGNETO OH, S/N: LH# 03111352, Installed (1) 6364 - MAGNETO OH, S/N: RH# 03111353.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Airtech of Ohio, LLC. under work order: LUK145-21022.

Chris Pike CRS# 5A8R960B



Airtech of Ohio, LLC. • 4765 Airport Rd • CINCINNATI, Ohio 45228 859-250-6822 • CRS#: 5A8R960B

N5540R

hobbs: 23.7

CESSNA, 172F, S/N: 17253123

tach: 4984.72

February 7, 2021

Removed and Replaced Nose Tire and Tube IAW Cessna 172 Service Manual section 2 and 5 Installed (1) 505C61-8 - tire, S/N: 70382082, Removed (1) 30602 - Tire, S/N: A1042518, Installed (1) 092-308-0 - Tube.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Airtech of Ohio, LLC. under work order: LUK145-21041.

Shawn Sanford CRS# 5A8R960B



Airtech of Ohio, LLC. · 4765 Airport Rd · CINCINNATI, Ohio 45226 · 859-250-6822 · CRS#: 5A8R960B

N5540R
hobbs: 46.8**CESSNA, 172F, S/N: 17253123**
tach: 5000.74**March 12, 2021**

COMPLIED WITH THE OIL CHANGE SERVICE AND FILTER SCREEN INSPECTION IAW CE 100 Series Service Manual Section 12-44. NO DISCREPANCIES NOTED AT THIS TIME. Installed (6) 100WQT - Oil.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Airtech of Ohio, LLC. under work order: LUK145-21087.

Stephanie Cobb CRS# 5A8R960B



Airtech of Ohio, LLC. · 4765 Airport Rd · CINCINNATI, Ohio 45226 · 859-250-6822 · CRS#: 5A8R960B

N5540R
hobbs: 65.4**CESSNA, 172F, S/N: 17253123**
tach: 5013.24**April 2, 2021**

1. Serviced tires IAW Cessna 172 AMM Figure 1-1.
2. Replaced Orings Checked Good IAW Cessna 172 Service Manual Installed (2) NAS1612-4 - ORING.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Airtech of Ohio, LLC. under work order: LUK145-21126.

James Bresser CRS# 5A8R960B



Airtech of Ohio, LLC. · 4765 Airport Rd · CINCINNATI, Ohio 45226 · 859-250-6822 · CRS#: 5A8R960B

N5540R

hobbs: 75.1

CESSNA, 172F, S/N: 17253123

tach: 5019.83

April 13, 2021

Repaired pilot's broken PTT wire in accordance with AC 43.13-1B/2B. OPS check good.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Airtech of Ohio, LLC. under work order: LUK145-21146.

Craig Harbeson CRS# 5A8R960B

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N5540R

hobbs: 82.6

CESSNA, 172F, S/N: 17253123

tach: 5025.01

April 27, 2021

Removed QTY 2 damaged VHF antennas, and replaced with QTY 2 new Rami AV-529 antennas. OPS check good. All work performed in accordance with Rami installation manual #27-1651-1 Rev. E, Dated January 2019. Installed (2) AV-529 - VHF Antenna, 3 Hole Mount.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Airtech of Ohio, LLC. under work order: LUK145-21153.

Craig Harbeson CRS# 5A8R960B 

Airtech of Ohio, LLC. · 4765 Airport Rd · CINCINNATI, Ohio 45226 · 859-250-6822 · CRS#: 5A8R960B

N5540R

tach: 5024.97

CESSNA, 172F, S/N: 17253123**April 27, 2021**

Located broken ground wire on intercom and re-secured. OPS Check good. All work performed in accordance with AC 43.13-1b/2b.

With respect to the work performed, this avionics is approved for return to service. Details of work performed are on file with Airtech of Ohio, LLC. under work order: LUK145-21165.

Craig Harbeson CRS# 5A8R960B 



Airtech of Ohio, LLC · 4765 Airport Rd · CINCINNATI, Ohio 45226 · 859-250-6822 · CRS#: 5A8R960B

N5540R

Hobbs: 128.2

CESSNA, 172F, S/N: 17253123

Tach: 5057.94

June 25, 2021

1. Preliminary inspection complied with. Installed (1) SL60430 - COVER, Installed (1) SL8313 - GAS-KET.
2. Removed existing HSI in accordance with Cessna 172 Service Manual PN: D637-1 -13. Removed (1) RCA11A-14 - RCA Directional Gyro, S/N: 44F0326G.
3. Removed existing ADI in accordance with Cessna 172 Service Manual PN: D637-1 -13. Removed (1) 8.048.003 - Gyro Horizon Indicator, S/N: 03910.
4. Installed QTY 2 breakers, modified instrument panel to facilitate installation, ran CANBUS wiring harness, installed dual G5's (ADI and HSI), configured system and tested. All work performed in accordance with Garmin G5 Installation Manual PN: 190-01112-10 Rev. 26 Dated May 2021 under Garmin STC SA01818WI with Garmin STC permission letter. Installed (1) 011-03809-00 - Garmin G5, S/N: 4JQ045453, Installed (1) 011-03809-00 - Garmin G5, S/N: 4JQ045235, Installed (2) 7274-2-5 - 5A BREAKER, Installed (1) 330-01754-00 - GARMIN G5 TNC JACK BNC PLUG ADAPTER, Installed (1) 010-12444-00 - GARMIN GLARESHIELD MOUNT TNC GPS ANTENNA FOR G5 FAA-TSO.
5. Performed magnetic interference survey and mounted GMU 11 magnetometer in tail in accordance with Garmin G5 Installation Manual PN: 190-01112-10 Rev. 26 Dated May 2021 under Garmin STC SA01818WI with Garmin STC permission letter. Installed (1) 011-04349-90 - GMU 11, Installation Kit, Installed (1) 011-04349-01 - GMU 11, PMA, S/N: 56J019902.
6. Constructed G5 pitot/static harness and tied into existing pitot/static system. Performed the 14 CFR 91.411 leak test to verify the integrity of the systems after modification in accordance with Part 43 Appendix E. All work performed in accordance with AC43.13-1B/2B.

CONTINUED →



Airtech of Ohio, LLC. · 4765 Airport Rd · CINCINNATI, Ohio 45226 · 859-250-6822 · CRS#: 5A8R960B

7. Removed existing vacuum pump, regulator, hoses, filter, and fittings. Installed cover plate over vacuum pump mounting pad on rear of engine. All work performed in accordance with the Cessna 172 Service Manual PN: D637-1 -13, and AC43.13-1b/2b. Installed (1) Purchase Order Shipping - Fee, Removed (1) G455 - Vacuum Pump, S/N: 25102.
8. Fabricated G5 circuit breaker cover, new panel mounting bracket for the G5's, and installed. All work performed in accordance with AC-43.13-1b/2b.
9. Removed existing leaking pitot tube and replaced with an new tube in accordance with the Cessna 172 Service Manual PN: D637-1 -13. Performed the 14 CFR 91.411 leak test to verify the integrity of the system after replacement in accordance with Part 43 Appendix E Installed (1) 629518-3 - PLUG, Installed (1) 0721105-41 - PITOT PROBE.

With respect to the work performed, this avionics is approved for return to service. Details of work performed are on file with Airtech of Ohio, LLC. under work order: LUK145-21240.

Shawn Sanford CRS# 5A8R960B



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N5540R

hobbs: 128.4

CESSNA, 172F, S/N: 17253123

tach: 5058.06

June 25, 2021

Installed Airwolf External oil filter kit Part number AFC-K008B as per STC- SA00079NY. Fabricated Oil supply and return lines. Installed Firewall mounting bracket. Installed Champion CH48109-1 Oil filter. Installed (1) AFC-K008-B - REMOTE OIL FILTER KIT, Installed (2) 303-10 - EATON AEROQUIP HOSE, Installed (4) 491-10D - AEROQUIP HOSE FITTING, Installed (2) N919-3D - REDUCER, Installed (2) N919-4D - REDUCER, Installed (1) AN900-14 - GASKET, Installed (1) AN900-10 - GASKET, Installed (1) AN776-10D - FITTING, Installed (1) TPA 776 - TEMP PROBE ADAPTER, Installed (1) OTA-527 - OIL TEMP ADAPTER, Installed (1) MS35769-11 - GASKET, Installed CH48109-1-Oil FILTER, Installed (2) MS35769-18 - Gasket.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Airtech of Ohio, LLC. under work order: LUK145-21091.

Larry Davis CRS# 5A8R960B



Airtech of Ohio, LLC - 4765 Airport Rd - CINCINNATI, Ohio 45226 - 859-250-6822 - CRS#: 5A8R960B

N5540R

hobbs: 128.4

CESSNA, 172F, S/N: 17253123

tach: 5058.06

June 30, 2021

1. Aircraft inspected as per Cessna 100 Series inspection checklist. Rotated all pulleys 180 degrees. Lubed all flight control hinges and bearings. Removed cleaned, inspected, repacked with grease and reinstalled all wheel bearings. Secured loose wiring behind instrument panel. Replaced engine bracket air filter P/N: BA-6108. Cleaned and gapped all spark plugs. Removed cleaned and inspected all fuel screens and filters. Installed missing Fuel qty placards at fuel filler caps. Checked engine cylinder compressions as follow: #1-67/80, #2-71/80, #3-75/80, #4-72/80, #5-72/80, #6-72/80. Installed (2) 0450277-203 - FASTENER, Installed (1) BA6108 - BRACKETT REPLACEMENT ELEMENT.
2. COMPLIED WITH THE OIL CHANGE SERVICE AND FILTER SCREEN INSPECTION IAW CE 100 Series Service Manual Section 12-44. Added 9 qts. Aeroshell 15W-50. Cleaned engine, Test ran, leak checked good. NO DISCREPANCIES NOTED AT THIS TIME. Installed (9) W15W-50 - Aeroshell OIL.
3. Removed leaking fuel tank drains and installed new drains. IAW CE 100 series shop manual ch 13-1. Lk ck good. Installed (1) Purchase Order Shipping - Fee, Installed (2) CAV-170 - VALVE.
4. Adjusted cable tension to 44 lbs as per Cessna 100 series shop Manual section 7-1. Safetied turn buckle using .032 double wrap safety.
5. Removed and replaced damaged Scat tubing with new stock. IAW CE 100 series shop manual section 15-1.
6. Investigate exhaust leaks on left and right side of engine. Clamps on 4 exhaust to muffler connections contacting intake tubes. Replaced 4 exhaust gaskets. Reinstalled exhaust clamps and adjusted to provided clearance with the intake elbows. IAW Continental O-300 MM section 6-14. Installed (5) 652459 - GASKET.
7. Confirmed missing Cylinder head panels. Installed 2 new panels and keepers. IAW Continental O-300 MM CH 6-4.11.5 Installed (2) 0555175-1 - BAFFLE, Installed (1) Purchase Order Shipping - Fee, Installed (2) 0450209-0 - SUPPORT, Installed (1) Purchase Order Shipping - Fee.
8. Removed damaged elbows elbows. Installed 3 serviceable elbows. IAW O-300 MM CH 6-4.14 Installed (1) 0450338-14 - INTAKE STACK, Installed (3) 40480 - INTAKE, Installed (5) 649975 - GASKET, Installed.
9. Removed and replaced all 4 wing attach bolts. installed new attach bolts, washers, nuts and eccentric cams. IAW CE 100 series shop manual section 4-1. Installed (4) MS21045L8 - NUT, Installed (4) AN8-23A - BOLT, Installed (4) 0512123 - BUSHING, Installed (20) AN960-716L - Washer, Flat, Installed (5) AN7-24A - BOLT.



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10. Wing Struct attach points and door posts inspected as per AD 2020-18-01 and Textron Service Bulletin SEB-95-10. No defects noted. Next due in 36 months or 6058.06 hours which ever occurs first.
11. Removed selector linkage. Replaced knuckles with new. Tightened rivets. Reinstalled linkage. Ops ck good. IAW CE 100 series shop manual section 13-1 Installed (2) 0513382-15 - KNUCKLE, Installed (25) MS16535-130 - RIVET, Installed (100) NAS1149FN432P - WASHER, Installed (1) 0716612-3 - HANDLE, Installed (23) MS20450C8-10 - RIVET.
12. Forward left engine mount showing signs of deterioration. Inspected mount and found integrity of mount not compromised. No further action required.
13. Complied 100 hour seat track inspection. several holes worn to .39 inches. .042 is the limit. Next due at 5158.06 or 12 months which ever occurs first.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Airtech of Ohio, LLC. under work order: LUK145-21224.

Larry Davis CRS# 5A8R960B

A handwritten signature in black ink, appearing to read "Larry Davis", written over a horizontal line.



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N5540R

hobbs: 173.4

CESSNA, 172F, S/N: 17253123

tach: 5092.22

August 13, 2021

1. Removed faulty compass and replaced with new compass. Performed compass swing against master compass and installed new compass card. All work performed in accordance with AC 43.13-1B/1B. OPS checked good. Installed (1) C2300-L4 - AIRPATH C2300 L4 PANEL MOUNT COMPASS LIT 12V NORTH HEM TSO , S/N: AS-18554.
2. Performed G5 static calibration procedure in accordance with Garmin G5 Installation manual PN: 190-01112-10 Rev. 26, 2021. OPS checked good.
3. Installed cover plate over instrument hole where previously removed vacuum gauge was installed. All work performed in accordance with AC 43.13-1B/2B Installed (1) 10-00150 - INSTRUMENT HOLE COVER 2-1/4".

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Airtech of Ohio, LLC. under work order: LUK145-21334.

Craig Harbeson CRS# 5A8R960B



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N5540R

hobbs: 175.9

CESSNA, 172F, S/N: 17253123

tach: 5093.92

August 16, 2021

Repaired and reattached sidewall. All work performed in accordance with AC 43.13-1B/2B.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Airtech of Ohio, LLC. under work order: LUK145-21341.

Craig Harbeson CRS# 5A8R960B



Airtech of Ohio, LLC. · 4765 Airport Rd · CINCINNATI, Ohio 45226 · 5133303993 · CRS#: 5A8R960B

N5540R
ACTT: 8050.48**CESSNA, 172F, S/N: 17253123**
TACH: 5149.38**December 30, 2021**

Complied with AIRFRAME 100 hour inspection IAW FAR 43 Appendix D approved data. Serviced Main Aircraft Battery. Checked all Interior and Exterior lighting, Stall Warning and Pitot heat for correct function. Checked seat track and stops- No defects noted. Checked freedom of movement, Lubricated all flight controls. Removed and replaced RT and LT MLG brake inner and outer brake linings with new IAW c170 service manual section 5-82. Ops check good Installed (4) P/N 06-10500 - BRAKE LINING. Removed and replaced engine baffle seals IAW Cessna 172 Service Manual section 11-24. Installed (2) P/N 05-00795 - SILICONE , Installed (2) P/N 05-56130 - RIVET WASHERS , Installed (3) P/N 05-00134 - POP RIVETS. Next 100 Hour Due 8151.48

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Airtech of Ohio, LLC. under work order: LUK145-21588.

Mike Hall CRS# 5A8R960B

A handwritten signature in black ink, appearing to read "Mike Hall". The signature is written in a cursive, flowing style. It is positioned over a horizontal line that spans the width of the signature area.



Airtech of Ohio, LLC. - 4765 Airport Rd - CINCINNATI, Ohio 45226 - 5133303993 - CRS#: 5A8R960B

N5540R

hobbs: 286.6

CESSNA, 172F, S/N: 17253123

tach: 5174.91

February 26, 2022

1. Complied with aircraft preliminary evaluation. No discrepancies noted.
2. Initial transponder check failed power output test and showed no altitude output. Replaced faulty transponder and bent transponder antenna, OPS checked good. All work performed in accordance with Cessna 172 service manual 15-9. Performed transponder check IAW FAR 91.413 and noted no defects at this time. Removed P/N 066-1062-00 - Transponder S/N: 127884, Installed P/N 066-1062-00 - Transponder S/N: 060182, Installed P/N Purchase Order Shipping - Fee, Installed P/N AV22 - TRANSPONDER ANTENNA S/N: N/A, Installed P/N Purchase Order Shipping - Fee.
3. Verified V-Speeds Are Entered Correctly Per the Cessna 172 Pilot's Operating Handbook.
4. Connected volt meter to aircraft power buss, verified 12.4V with aircraft not running, and voltage increased when engine was running indicating the alternator and voltage regulator are working correctly. Could not replicate squawk. All work performed IAW Cessna IAW 16-34, and AC 43.13-1b.
5. Installed ADS software 1.5.1 IAW STC Service Bulletin UAV-1003174-002 Rev B.
6. post-installation checks procedure as described in "tailBeacon TSO User and Installation Guide" UAV-1002185-001 Section 10.3. required for return to service.
7. Confirmed VSI was INOP, pointer was stuck at -2000fpm. Removed broken VSI and replaced with new vertical speed indicator. System was initially leaking during leak test, troubleshooting found a cracked sump bottle on the static port, loose static fitting on the VSI static port connection, and multiple static leaks on the fittings going from the VSI to the blind encoder connection. Repaired leaking fittings and passed leak check in accordance with FAR 91.411 Appendix E. All work performed IAW Cessna 172 AMM 15-8 / 15-9 / 15-13. Removed P/N 22-220-04 - vertical speed indicator S/N: 4101, Installed P/N S1392N2 - INDICATOR S/N: 12512, Installed P/N S1258-1 - SUMP.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Airtech of Ohio, LLC. under work order: LUK145-22076.

Michael Trudeau CRS# 5A8R960B