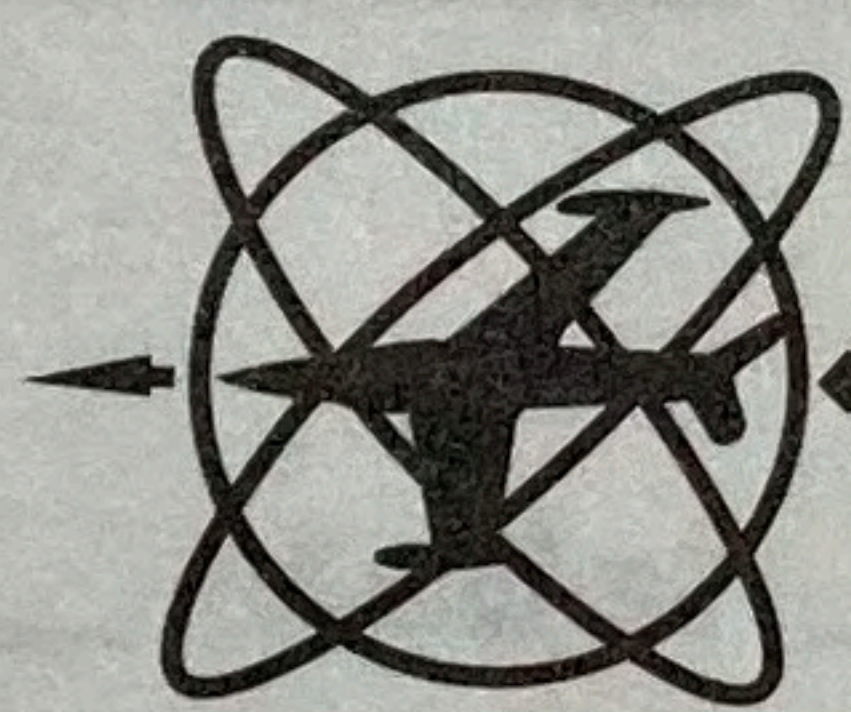


*The Standard*

# **AIRCRAFT LOG**

**ASA-SA-1**

N1718C



The Standard

# AIRCRAFT LOG

ASA-SA-1

**Aircraft Record** General Information

Manufacturer CESSNA Model 177B

Serial 17702513 Registration Number N17186

Date of Manufacture 1976

**Engine(s) currently installed:**

Manufacturer Lyce Model O-360-A1FLD Serial L-21919-36A

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

**Propeller(s) currently installed:**

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

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

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

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

RECO  
TACH  
TIME

Spencer Avionics, Inc. FAA Certified Repair Station K02R965K  
1963 330th St., Suite 1, Spencer, IA 51301 (712-262-2364)

Alterations  
Certificate Number of Technician or Repair

Item	Make	Model	S/N
Altimeter # 1	Kollsman	671CP-50B.V	1009
Altimeter # 2			
Encoder # 1	ARC	A30	21946
Encoder # 2			
Transponder # 1	ARC	R359A	5480
Transponder # 2			

11/19/2004 TACH: 1129.3 TTAC: 1129.3  
 Removed defective ACK A-30  
 S/N: 17574 encoder installed  
 an overhauled A-30  
 S/N: 21946 encoder. Complete  
 correspondence testing of  
 encoder and altimeter.

I certify that the altimeter system & ATC transponder tests & inspections are in compliance with and have been performed per Appendix E & F of FAR Part 43.

Signature of Certified Inspector: *William D. Green*

CRC # K02R965K  
*William D. Green*

Date: 11/18/04 Certified to (feet): 20000 Work Order # 2123

YEAR:

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

Spencer Avionics, Inc. 1963 330th Street Suite #1 Spencer, IA 51301 KU2R965K  
 LOG ID# 649 19-November-2004 WO# 2123/1 AC TT 1129.3  
 N17186 S/N 17702513 CESSNA 177B TACH 1129.3 TSNEW 1129.3

Pg 1 / 1

Removed the following radio:

- a) Garmin AVD-100 GPS

Installed the following:

- a) King KLN-35A GPS

The KLN-35A was installed under the Cessna audio panel just above the #1 NAV/COM. The KLN-35A is installed as a VFR system. The KLN-35A is not connected to any external CDI devices. The KLN-35A is not connected to the aircraft autopilot. The KLN-35A is connected to the existing GA-56 GPS antenna. All wires are Mil-spec 22759 or 27500. The newly installed KLN-35A is connected to a dimmer system. The total electrical load does not exceed 5% of the electrical system capacity with the new radios installed. The KLN-35A is protected by a 5-Amp circuit breaker labeled "GPS".

All equipment was installed per Cessna, King and ARC factory installation manuals and AC 43.13-2A, Chapter #2, Paragraphs 21, 22, 23, 25, 26 and 27, Chapter #3, Paragraphs 36, 38b, and 39b. AC 43.13-1B Chapter #11, Section 8, Paragraph 11-96. A placard was placed on the rear seat instrument panel stating "GPS IS FOR VFR USE ONLY".

New weight and balance and equipment list revision was prepared and entered into aircraft flight manual. A FAA Form 337 was not completed for this install. The removal of a VFR GPS and an install of a new VFR GPS is a minor alteration per AC-138a.

*Quintin J De Groot* 11/19/2004  
 Quintin J De Groot 2444364 Date



YEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
6-8-06	1150.3		1150.3	Cleaned the L & R Lube Control & elect.
	✓ FLT Per 91.207D			L & R Lube gear FLT due 10-06 VAD 87-20-03 P2 <sup>per book</sup>
9-24-90	0 hr.			Cleaned and Reprinted elevator trim Control Rods.

DATE 6-8-06 TIME 1150.3  
 I CERTIFY THAT THIS Cessna  
 HAS BEEN INSPECTED IN ACCORDANCE WITH  
 AN annual INSPECTION AND WAS  
 DETERMINED TO BE IN AIRWORTHY CONDI-  
 TION. J. T. Ober IA 478402485



YEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
4-6-08	A.C. TT		1165.3	Cleaned A-C & lube Controls & electrical & lube gear & brakes & ELT per 91.207 D due 6-09 & sent to <sup>AD</sup> 9770-00 <sup>2 PR</sup> set back. 9-24-00 OK.
				Installed new 5-5-4 nose tire
				see A-P list

DATE 4-6-08 TIME 1165.3  
 I CERTIFY THAT THIS aircraft  
 HAS BEEN INSPECTED IN ACCORDANCE WITH  
 AN annual INSPECTION AND WAS  
 DETERMINED TO BE IN AIRWORTHY COND  
 TION. John T. Allen IA 478407485

Handwritten ledger with columns for values and calculations. Visible entries include 20000, 22000, 24000, 26000, 28000, 30000, 32000, 34000, 36000, 38000, 40000, 42000, 44000, 46000, 48000, 50000. Calculations shown include +2, +20, +10, +2, 0, 0, 2, 2.

**Tests, Repairs and Alterations**

(Name, Rating and Certificate Number of Technician or Repairman to be entered in specific entries.)

DATE 3-19-2009 TACH 1185.9 TOTAL 1185.9

I certify that the transponder tests required by FAR Part 91.413 have been performed under

Work Order # 204693

Make & Model ARC R 359A

Serial # 5480

Total Aircraft Time 1185.9

Date 3-19-2009

Signed for David E. Hill

Carver Aero, Inc.  
Davenport, Iowa  
FAA Approved Repair Station #VRXR118L

I certify that the Altimeter, Encoder, and Static System tests required by FAR 91.411 have been performed. The Altimeter has been tested to

20,000 feet.

Encoder correspondence has been checked thru

20,000 feet.

Date 3-19-09 Details on W/O # 204693

Signed for David E. Hill

Carver Aero, Inc.  
Davenport, Iowa  
FAA Approved Repair Station #VRXR118L

YEAR

DATE

3

YEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
3-19-2009	TACH 1185.9	TOTAL 1185.9	ANNUAL INSPECTION	
C/W FAR 91.207 (4)				BY INSPECTION AND TEST OF ELT.
				NOTE: ELT BATTERY REPLACEMENT COMES DUE 8-2009.
REPLACED	LH TANK FUEL DRAIN VALVE			WITH NEW.
REMOVED	LH & RH FUEL GAGES			- CLEANED CONNECTIONS ON PRINTED
CIRCUIT BOARD AND MOLEX PLUG				- REINSTALLED GAGES.
REMOVED	OIL PRESSURE GAGE			- CLEANED ADJUSTMENT POT AND
CONNECTIONS	ON PRINTED CIRCUIT BOARD.			REINSTALLED GAGE
AND ADJUSTED	USING MASTER GAGE.			
TIGHTENED	BOLT THRU RH ELEVATOR BEARING			TO ELIMINATE
LOOSENESS.	MADE NEW RETRACT SPRING			FOR RH WING TIE
DOWN,	TIGHTENED NUT HOLDING ARM			ON CARB SHAFT.
				CONTINUED NEXT PAGE

**YEAR:** \_\_\_\_\_ **RECORDING TACH TIME** \_\_\_\_\_ **TODAY'S FLIGHT** \_\_\_\_\_ **TOTAL TIME IN SERVICE** \_\_\_\_\_

**DATE** \_\_\_\_\_

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

TIGHTENED BOLT AT THROTTLE ROD END, REPLACED ALL O-RINGS IN SHIMMEY DAMPER AND SERVICED WITH HYD OIL, FILLED COMPASS WITH FLUID AND REPAIRED WIRING TO COMPASS LIGHT, REPLACED BOTH BEARINGS IN NOSE WHEEL WITH SERVICABLE USED BEARINGS, REPLACED BOTH MAIN TIRES WITH NEW GOOD 6 x 6PLY AND LUBED MAIN WHEEL BEARINGS, MADE LIST OF ADS AND RESEARCHED SAME, SEE BLACK FOLDER FOR AD COMPLIANCE RECORDS,

Tach 1185.9 hrs. Total time 1185.9 hrs.  
 I certify this AIRCRAFT has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition. Details are on file. Work order No. 204693 Date 3-19-09

Signed David E. Hill Shop Inspector

CARVER AERO, INC.  
 Municipal Airport  
 Davenport, IA 52804

FAA Approved Repair Station No. VRXR118L

**Description of Inspections, Tests, Repairs and Alterations**

Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

YEAR:

RECORDING TACH TIME

TODAY'S FLIGHT

TOTAL TIME IN SERVICE

DATE

4/2/10

Tech

1214.3

Removed shimmy dampener, disassembled and cleaned. Replaced all seals and serviced w/ 88cc<sup>+</sup> of 5606 hydraulic fluid. Function checked good during taxi. Cowen decy W10# 205197.

Done at CES# VRXR118L

YEAR:	RECORDING TACH TIME	TODAY'S FLIGHT
DATE		

and that the aircraft meets the requirements for the certification requested and have issued a Special Airworthiness Certificate - Special Flight Permit dated 06/16/2010 for a flight from Dahl (PVT) to KDVN . This Special Airworthiness Certificate expires 06/26/2010 or upon arrival at destination.

*Ross Carbiener*  
 Ross Carbiener DART832517GL 06/16/2010

6-28-2010 Tach time. 1218.3 , Total time 1218.3 Replaced Left Aileron trailing edge skin w/new skin P/N 1221006-15. See 337 Form dated 6-28-2010 for details. Carven Aero. w.o. 205234.  
 Dion Carr *Dion Carr* CRS# YRXR118L

SHOP ORDER: SPG-11-0703  
 CUSTOMER: L. Dahl  
 ALT. MFG.: Kollsman  
 P/N: 671CP-50B.1  
 S/N: 1009

DATE: 5-4-  
 TECH: D  
 ENCODING: J10A  
 TSO:   
 AD'S: Y

BAROMETRIC SCALE ERROR:  
 (+/- 25 FT TOLERANCE)

PASS   
 FAIL

PRESSURE IN/HG	ALTITUDE FEET	ALTIMETER READS
28.10	- 1727	- 1970
28.50	- 1340	- 1020
29.00	- 863	- 545
29.50	- 392	- 80
29.92		320
30.50	+ 531	845
30.90	+ 893	1205
30.99	+ 974	1295

YEAR: \_\_\_\_\_  
 DATE \_\_\_\_\_

Date: 5/06/2011; Aircraft: N17186; Type: CESSNA 177B; S/N: 17702513; Tach: 1239.50  
 Work Order: SPG-11-0703

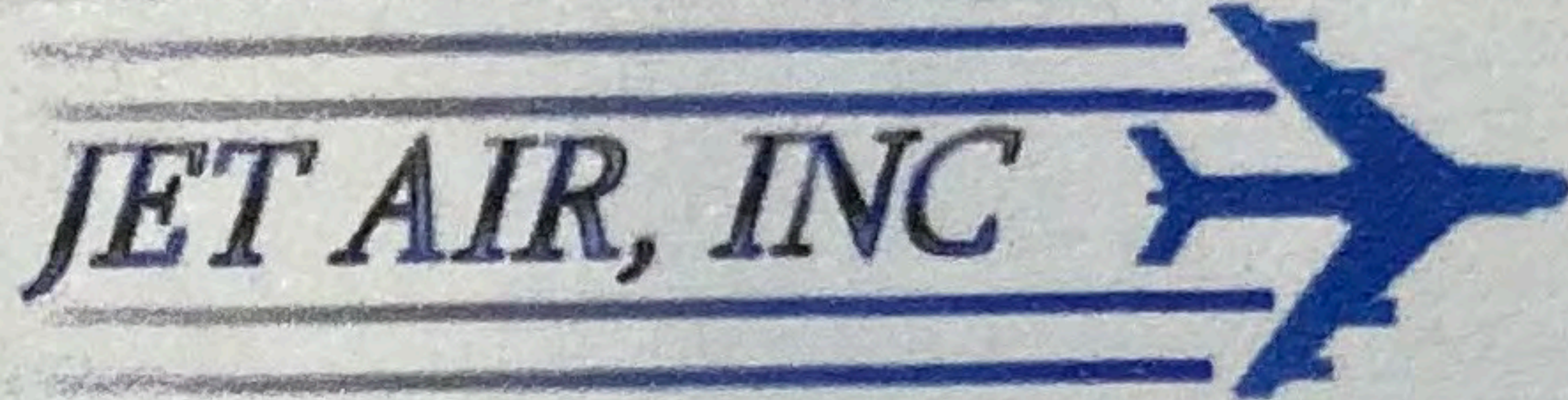
I certify this aircraft static system has been tested and inspected I.A.W. FAR 43, appendix E paragraph (a) to an altitude of 1,000 ft AGL.  
 Aircraft Altitude Reporting System tested and inspected I.A.W. FAR 91.411 to an altitude of 20,000 feet MSL.  
 Aircraft transponder checked and certified I.A.W. FAR 91.413.  
 Aircraft altimeter checked and certified I.A.W. FAR 43 appendix E.

TXP MODEL: ARC RT-359A S/N: 5480 TSO: C74c  
 ENC MODEL: ACK A-30 S/N: 21946 TSO: C88a  
 ALT MODEL: Kollsman 671CP S/N: 1009 TSO: C10a

I certify that the above stated maintenance and /or inspection was performed in accordance with the current regulations of the Federal Aviation Administration.

Signed, *David Sumner*  
 for Jet Air Inc. CRS # JAFR110F


R: RECORDING  
TACH  
TIME



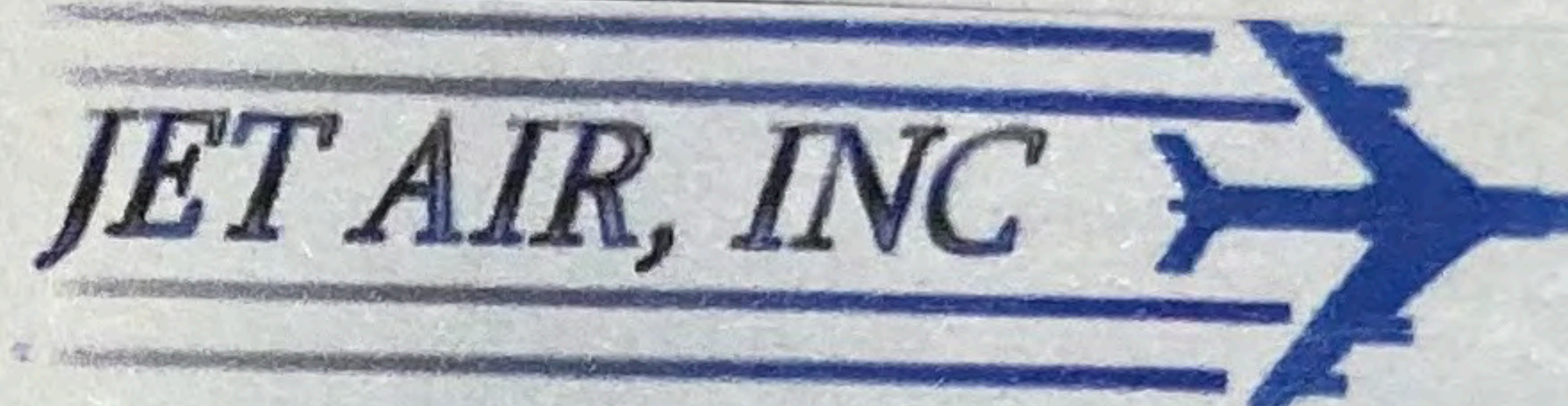
nician or Repair

Date: 5/06/2011; Aircraft: N17186  
CESSNA 177B S/N:17702513  
TACH:1235.9 T.T:1235.9 W/O#00703

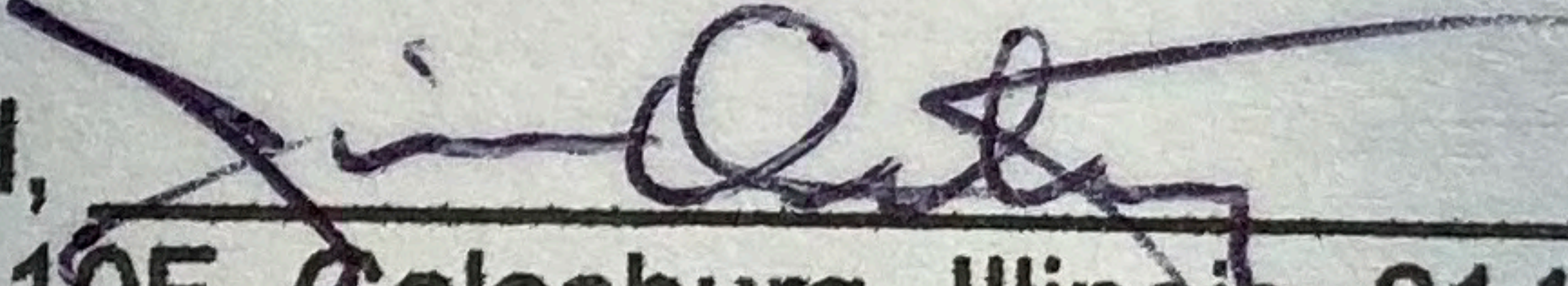
I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A ANNUAL INSPECTION PER CESSNA SERVICE MANUAL AND JET AIR INC INSPECTION FORMS. CHECKED ELECTRICAL SYSTEMS AND HARNESSSES. CHECKED INTERIOR AND EXTERIOR LIGHTING. CHECKED INSTRUMENT PANEL AND EQUIPMENT. SEVICED BATTERY AND CLEANED BATTERY BOX. CHECKED WINGS, FUSELAGE AND EMPENAGE. CHECKED AND LUBED FLIGHT CONTROLS AND CABLE TENSIONS. REPACKED ALL WHEEL BEARINGS. CLEANED AND DRAINED ALL FUEL SUMPS. CHECK SEATS AND SEAT BELTS. CHECKED DOORS AND WINDOWS. INSTALLED NEW CLEVELAND WHEEL CONVERSION KIT#199-08400. INSTALLED A NEW DOME LIGHT SOCKET #S1893-1. INSTALLED A SERVICABLE LOCK TAB ON THE LEFT FUEL CAP. INSTALLED A NEW CLOCK #10-22824 AND A NEW CLOCK FUSE #AGS-1. RESECURED SEAT BACK COVERING WITH SCREWS AND WASHERS. INSTALLED NEW IGNITION SWITCH TERMINAL BOARD#A3770 AND NEW DIODE#0770783-2 WHICH COMPLIES WITH SEB01-6 & SB01-74-01 AND A.D.93-05-06 RECURRING EACH 2000 HRS INSP/LUB  
NOTE: ELT SENT OUT FOR REPAIRS.

PAGE 1 OF 2

RECORD  
TACH  
TIME



INSTALLED NEW B3-5-1 VACUUM FILTER - DUE AGAIN AT MAY-2012  
INSTALLED NEW CENTRAL VACUUM FILTER P/N:D9-14-5 DUE AT TACH:1735 HRS.  
ELT BATTERY GOOD TILL JUN 2012  
C/W A.D. 87-20-03R2 BY INSPECTION OF SEATS, FLANGES AND RAILS. DUE 5/12  
C/W A.D. 93-05-06 IGNITION SWITCH INSP/LUB DUE AGAIN AT T.T:3235 (2000 HRS)  
ALL A.D.S CHECKED AND COMPLIED WITH - SEE A.D. COMPLIANCE RECORDS  
INSTALLED ALL PANELS, INSPECTION PLATES, INTERIOR ITEMS AND ENGINE  
COWLINGS. I certify that the above stated maintenance and /or inspection was performed in  
accordance with the current regulations of the Federal Aviation Administration and is airworthy  
for return to service.

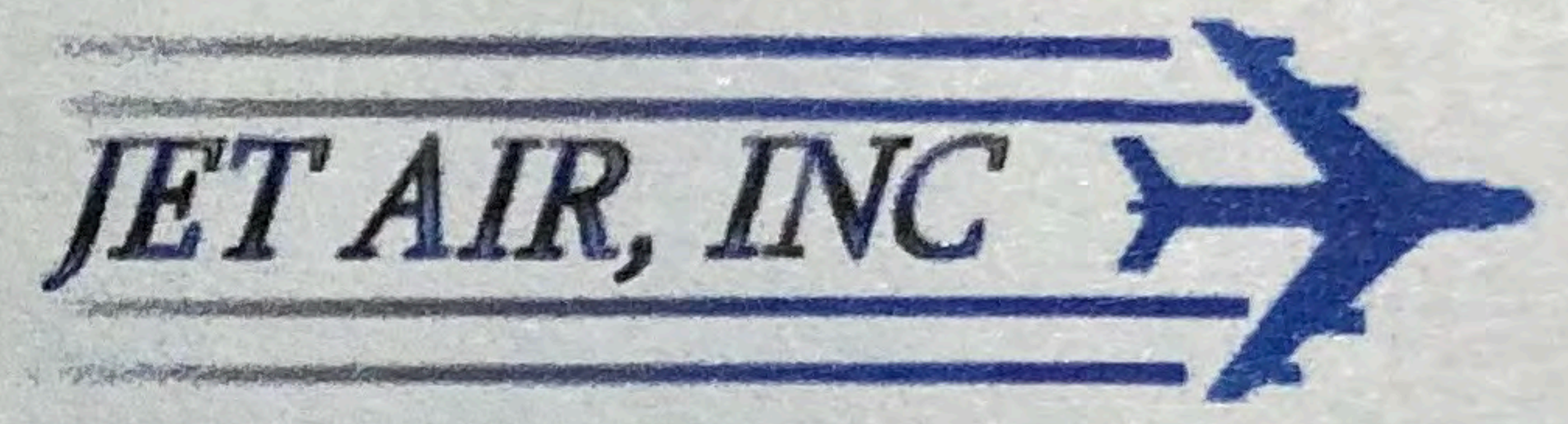
Date 5-6-2011 Signed,   
for Jet Air Inc. CRS # JAFR110F Galesburg, Illinois 61401

PAGE 2 OF 2



PASS ✓

AR: E	RECORDING TACH TIME	TODAY'S	TOTAL	Description of Inspections, Tests, Repairs and Alterations
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Date: 5/11/2012; Aircraft: N17186  
CESSNA 177B S/N:17702513  
TACH:1339.9 T.T:1339.9 W/O#01025

I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A ANNUAL INSPECTION PER CESSNA SERVICE MANUAL AND JET AIR INC INSPECTION FORMS. CHECKED ELECTRICAL SYSTEMS AND HARNESSSES. CHECKED INTERIOR AND EXTERIOR LIGHTING. CHECKED INSTRUMENT PANEL AND EQUIPMENT. SEVICED BATTERY AND CLEANED BATTERY BOX. CHECKED WINGS, FUSELAGE AND EMPENAGE. CHECKED AND LUBED FLIGHT CONTROLS AND CABLE TENSIONS. REPACKED ALL WHEEL BEARINGS. CLEANED AND DRAINED ALL FUEL SUMPS. CHECK SEATS AND SEAT BELTS. CHECKED DOORS AND WINDOWS. INSTALLED A NEW PITOT HEAT SWITCH, INSTALLED 2 NEW POST LITE BULBS AND 2 INSTRUMENT BROW LITE BULBS, AND THE RIGHT LOWER WING LITE BULB. INSTALLED PILOTS SECONDARY SEAT STOP KIT PER SEB07-5 REV2. INSTALLED NEW BEARINGS AND A SHAFT IN THE CARB HEAT AIR BOX. INSTALLED NEW BUSHINGS AND BOLTS ON THE NOSE GEAR TORQUE LINKS. RESEALED THE LEFT MAIN FUEL CAP ACCESS COVER.

Technician or P



PASS ✓

YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician Facility. (See back pages for other specific entries.)
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6-13-2013 Tach: 1296.1hrs N17186

Removed ARC R-546E ADF receiver and IN-346A indicator installations from aircraft. Installed PS Engineering PM 501 intercom in instrument panel copilot side where IN-346A was removed. Installation was accomplished in accordance with PS Engineering PM 501 install manual #200-118-0003, Revision 3, October 1998. Installation was accomplished in accordance with AC43.13-1B, chapters 10,11,12, and AC43.13-2B, chapters 1,2,3. No Instructions for continued airworthiness apply to the above installed equipment and is "on condition only". Weight and balance and equipment list were revised to show change. New Aircraft Empty Weight: 1619.49lbs., New C.G.: 103.65in., New Useful Load: 880.51lbs., New Moment: 167857.5 CRS #Of2R055L Luther R. Winkler

*Luther R Winkler 2362668*

*N 17186 Tach: 1296.1 hrs*

**The ATC Transponder Tests and Inspections Required By FAR 91.413 Were Performed And Found To Comply With FAR 43 Appendix F.**

**WO #** 8996 **Date** 6-13-2013

**Make** AKC **Model** RT357A **S/N** 548D

**Signed** Luther R Winkler 2362668

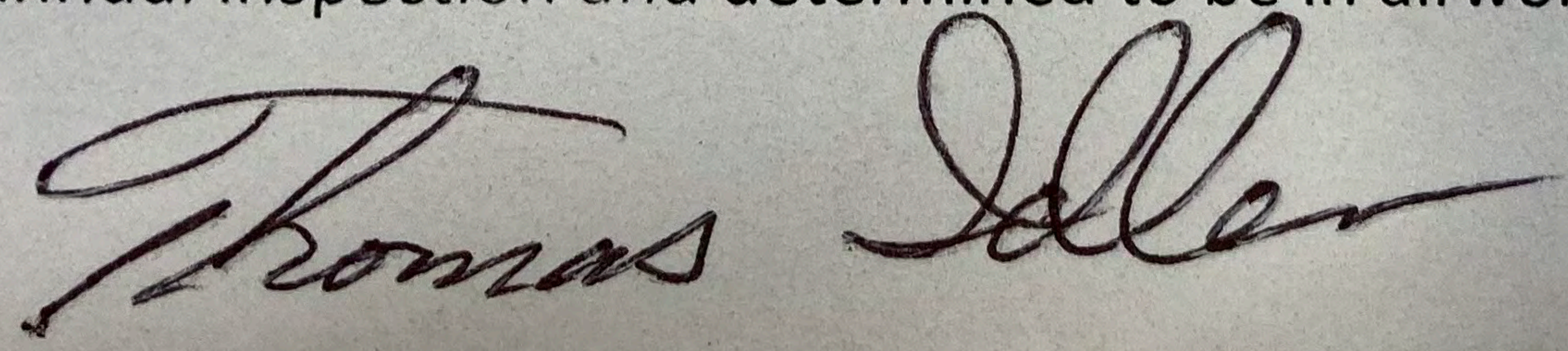
**Southwest Avionics, Inc. CRS #0F2R055L**

YEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair</small>
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June 13, 2013 N17186 s/n 17702513 Tach reads 1296.1

- Annual inspection per Cessna 177B service manual.
- Elt checked per Far 91.207 (D) found ok. G switch & ops tested ok for 5 seconds. ELT battery replacement due 7-2014.
- AD 2011-10-9 (g) 1-10 complied with by inspection. Seats and rails found ok. Next inspection due 1396.1 or 6-2014.
- Replaced alternator belt.
- Replaced nose wheel bearings with 08125-2-629 bearing & 08321-2-629 race.
- Aircraft operationally checked-ok for return to service. I certify that this aircraft has been inspected in accordance with an annual inspection and determined to be in airworthy condition.

Thomas Idler AP2096921IA





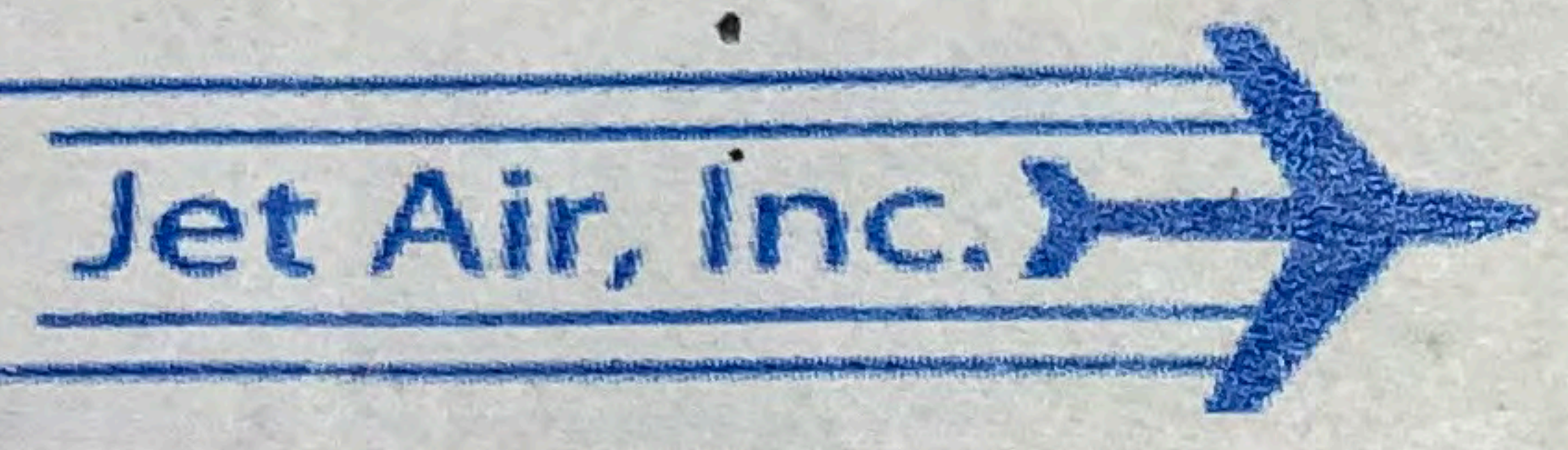
YEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
DATE				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
4-22-15	1344.1		1344.1	C/W 91.207(d) ELT test OK, battery due
		Sept 2016.		Strip + paint, revised W+B this date.
				Inspect + lube all pulleys, hinges + ball joints. Installed new carpet, part # 123. C/W AB 11-10-09 Seat Rail
				Track assembly - OK, by inspection. I certify that this aircraft has been inspected I/A/W an annual inspection and has been found to be in an airworthy condition.
				Ken Merck IA2879333





**YEAR:** \_\_\_\_\_ **RECORDING TACH TIME** **TODAY'S FLIGHT** **TOTAL TIME IN** **Description of Inspections, Tests, Repairs and Alterations**

**DATE**



Jet Air Inc. (K1OW)  
 1801 S. Riverside Dr.  
 Iowa City, IA 52246  
 Ph. (319)-248-1200

Date: 8/31/2015; Aircraft: N17186  
 1363.1:1363.1. CESSNA 177B. S/N: 17702513. AFTT: 1363.1. W/O# SHI-15-10989  
 REMOVED 4 BROKEN COWL MOUNTS AND INSTALLED NEW COWL MOUNTS P/N J-7444-14.  
 REMOVED BROKEN GROMMET FOR LEFT SPARK PLUG LEAD THROUGH AFT BAFFLING AND INSTALLED NEW GROMMET P/N MS35489-135.  
 TROUBLESHOT INOPERATIVE LEFT FUEL GAGE. REMOVED GAGE CLUSTER, SOLDERED PIN TERMINALS AND CLEANED ELECTRICAL CONNECTIONS. REINSTALLED GAGE CLUSTER AND PERFORMED OPERATIONAL CHECK - NO DISCREPANCIES FOUND AT THIS TIME.  
 REMOVED INCORRECT AUTOMOTIVE BATTERY AND INSTALLED NEW SERVICED 35 AMP BATTERY P/N G-35 S/N G02870229. PERFORMED CORROSION X TREATMENT IN WINGS, EMPENNAGE, FUSELAGE REMOVED DAMAGED OIL COOLER P/N 8406J AND INSTALLED OVERHAULED OIL COOLER P/N 8406J S/N 17724 OVERHAULED BY SERVICABLE SOUTHWEST COOLER SERVICE CRS#TB3R861L UNDER INVOICE # 2800,  
 RETORQUED VALVE COVER GASKETS.

I certify that this aircraft has been inspected with reference to the work identified above and was determined to be in airworthy condition

Date 8-31-15 Signed,   
 For Jet Air, Inc.-IOW FAA CRS I2JR068B

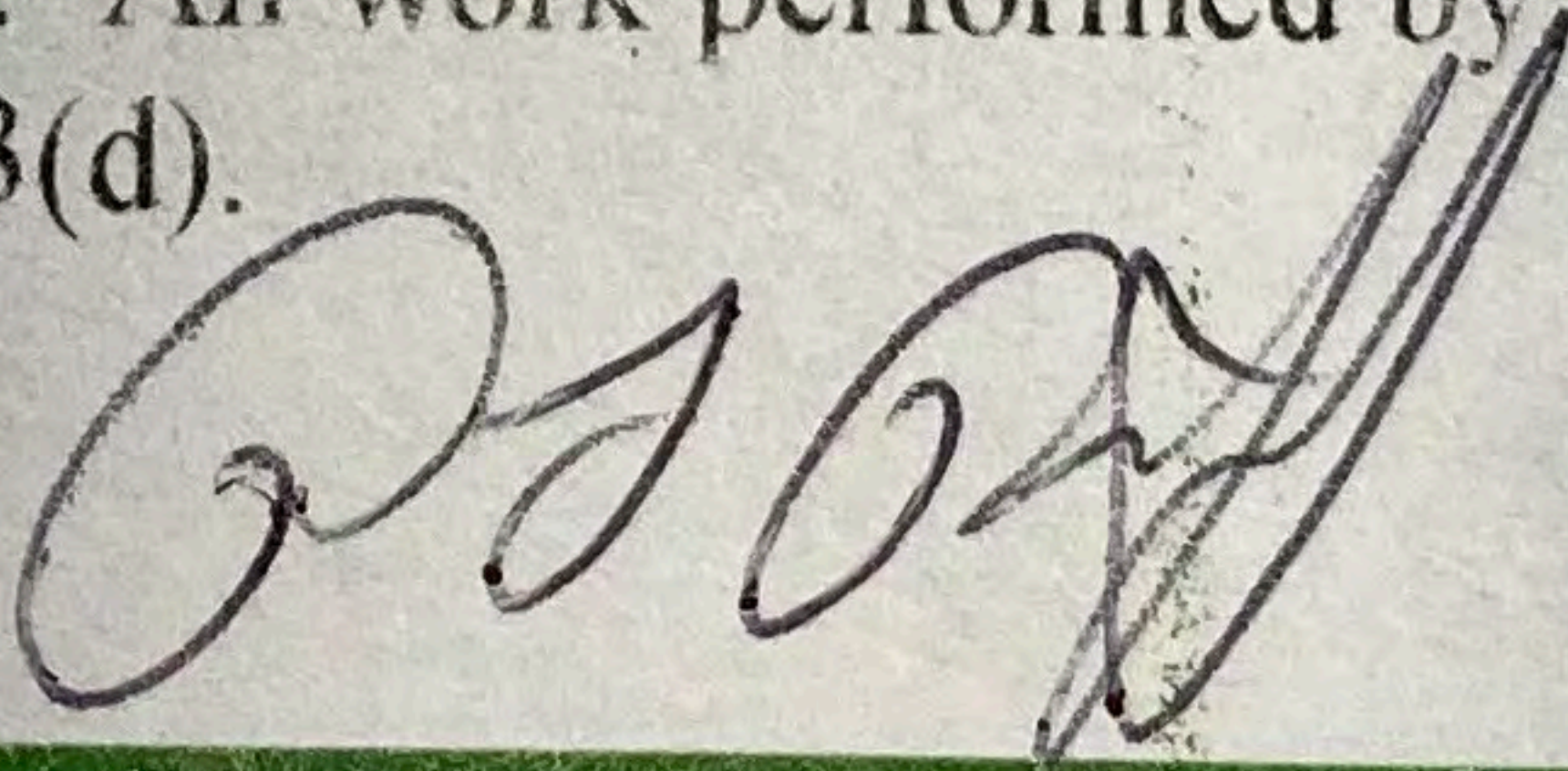
DACC ✓

5,000

YEAR: 2015 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
11 Nov 15	1382.8		1392.8	Replaced O-rings on fuel selector valve, Fuel Shut-off valve. oil & Filter change. All supervised by AIP Pat Hipp BME PP 3175035
9 Dec 15	1392.9		1392.9	Transponder replaced & rebuilt transponder ARC 300.

N17186 C177-B SN 17702513

27 Jan 2016 Install JPI FS-450 Fuel Flow System IAW STC's SA00861SE and SA00432SE. See 337 this date. Install Challenger Aviation Products Air Filter Assy IAW STC SA01669CH. See 337 this date. Install Power Flow Systems Tuned Exhaust System IAW STC SA02674AT. See 337 this date. Aircraft weight and balance updated. Repair fuel selector valve by cleaning and replacement of o-rings (1 ea M83248/1-013 and-018). Repair fuel shutoff valve by cleaning and replacement of gasket (0513125) and o-rings (1 ea M83248/1-010 and MS29513-111 and 2 ea MS29513-012 and-116). Replace transponder (remove ARC RT-359A SN 5480, install ARC RT-359A SN 507). All work IAW Cessna manuals P695-12 and D841-8-13 and appropriate sections of AC 43.13-1B. All work performed by Brian Lenzmeier, PP 3175035 under my supervision per FAR 43.3(d).



AP3020939



G	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations	Technician or
---	----------------	-----------------------	--	---------------

Entries must be endorsed with Name, Rating and Certificate Number

THE FOLLOWING ALTIMETER SYSTEM AND ALTITUDE REPORTING EQUIPMENT TESTS AND INSPECTIONS AS REQUIRED BY FAR 91.411 iaw FAR 43 APPENDIX "E" HAVE BEEN PERFORMED.

PARA (A) STATIC SYSTEM  
 PARA (B) ALTIMETER

PILOTS 5934 S/N AS INSTALLED  
 C.P.'s                      S/N                       
 TESTED TO 20K FT.

PARA (C) INTEGRATED SYSTEM TEST  
 ATC TRANSPONDER TESTS AND INSPECTIONS AS REQUIRED BY FAR 91.413 iaw FAR 43 APPENDIX "F" HAVE BEEN PERFORMED:

#1 MODEL RT-359A S/N AS INSTALLED  
 #2 MODEL                      S/N                       
 DATE 9-28-16 N 17186 W.O.# 17915

SIGNED BY *David Wright*  
 AVIONICS PLACE FQ5R866M ROCKFORD IL

<b>YEAR:</b>	<b>RECORDING</b>
	<b>TACH</b>
	<b>TIME</b>
<b>DATE</b>	

**N17186 Cessna 177B SN 177-02513**

05 May 2017 C/W AD 2011-10-09 by inspection per para (g). Next due by 05/31/2018 or  
 1475.9 Tach 1575.9 Tach. C/W ELT Inspection and Functional Check per FAR 91.207 (d).  
 1475.9 TT Next due by 05/31/2018. Clean and service landing gear. Service and charge  
 battery. Replace Directional Gyro (4000D-1) with serviceable used. Clean and  
 service Challenger Air Filter IAW Challenger Instruction #4003. Replace 5 Retainers (82-32-101-  
 20) on cowl fasteners. I certify that this aircraft has been inspected IAW an **ANNUAL**  
**INSPECTION** per FAR 43 Appendix D and is determined airworthy. -----END-----

*P J Arp* AP3020939IA

nician or Repair

**N17186 C177-B SN 17702513**

07 June 2017 Replace Vacuum Pump. Remove 211CC, SN 5AJ2537. Install RAP215CC,  
 1477.5 Tach SN A64811. -----END-----

*P J Arp* AP3020939

RECO  
TACH  
TIME

**N17186 Cessna 177B SN 177-02513**  
02 August 2017 Replace Turn Coordinator (G-300, SN 1-7610-623) after overhaul by CRS  
1496.3 Tach TJ2R189L. See 8130-3 and WO # K154443 attached.

-----END-----

*[Handwritten Signature]*

AP 3020939  
AP3020939

ons  
of Technician or Repair

YEAR  
DATE

**N17186 C177-B SN 17702513**  
27 March 2018 Replace Directional Gyro (G502A, SN in 94727F, SN out T43204G). Repair  
1524.1 Tach Marker Beacon ground connection.

-----END-----

*[Handwritten Signature]*

AP3020939

AVIONICS PLACE 5257 Falcon Rd. Rockford, IL 61109-2917 FQ5R866M  
LOG ID# 2816 24-April-2018 WO# 18893  
N17186 S/N 17702513 CESSNA 177B

Pg 11

REMOVED IN-525B S/N 3680. INSTALLED EXCHANGE IN-525B P/N 45010-2000 S/N 1762.  
REMOVED GLIDESLOPE RECEIVER R-443B S/N 5488. INSTALLED EXCHANGE GLIDESLOPE RECEIVER  
R-443B P/N 42100-0000 S/N 12435.  
PULLED TRANSPONDER RT-359A S/N 507 THAT WAS GIVING BAD CODES. PUT IN EXCHANGE RT-359A S/N 29867.

THE AIRCRAFT/COMPONENT IDENTIFIED WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS  
OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE.  
PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER W.O. LISTED ABOVE.

RELEASED BY: *[Handwritten Signature]*  
AVIONICS PLACE FAA APPROVED REPAIR STATION FQ5R866M





**On Altitude LLC - Repair Station**  
OQLR736Y

Date 10/13/2018 WO# 1692

Inspected  
pages

N Number N17186

Make Cessna Model 177RB

I certify that the **Static System checks** required by 14CFR FAR 91.411 have been performed this date and found to comply with FAR43 Appendix E.par.a.  
Signed [Signature]

I certify that the **ATC Transponder Tests and Inspections** required by 14CFR FAR 91.413 have been performed this date and found to comply with Far 43 Appendix F.  
Signed NA ERR UPGRADE  
ALT + STATIC ONLY

Transponder 1	Serial
Transponder 2	Serial

I certify that the **Automatic Pressure Altitude Recording System Checks** required by 14CFR FAR91.217 and FAR91.411 have been performed this date and found to comply with FAR Appendix E, par. c.  
Signed NA

Encoder 1	Serial
Encoder 2	Serial

I certify that this aircraft/component has been inspected in accordance with current FAA regulations and is approved for return to service. Details of the repair are on file under this work order.  
Signed [Signature]

**Altimeter Test Data per FAR 91.411 IAW FAR 43 Appendix B Par B**

On Altitude LLC. Work Order # 1692 Date 10/13/2018

Tail Number N17186 Position Pilot  
Altimeter Mod/Type Koussman 5760 Serial Number 1009

Table 1			Table 2		
ALT	TOL	IND	TEST	TOL	IND
-1,000	20	-20	Case 1	+/-100	-34
0	20	-10			
500	20	0	HYSTERESIS TEST		
1,000	20	+5	50% of Max ALT	75	+5
1,500	25	0	40% of Max ALT	75	+10
2,000	30	0	AFTER EFFECT	30	+20
3,000	30	+5			

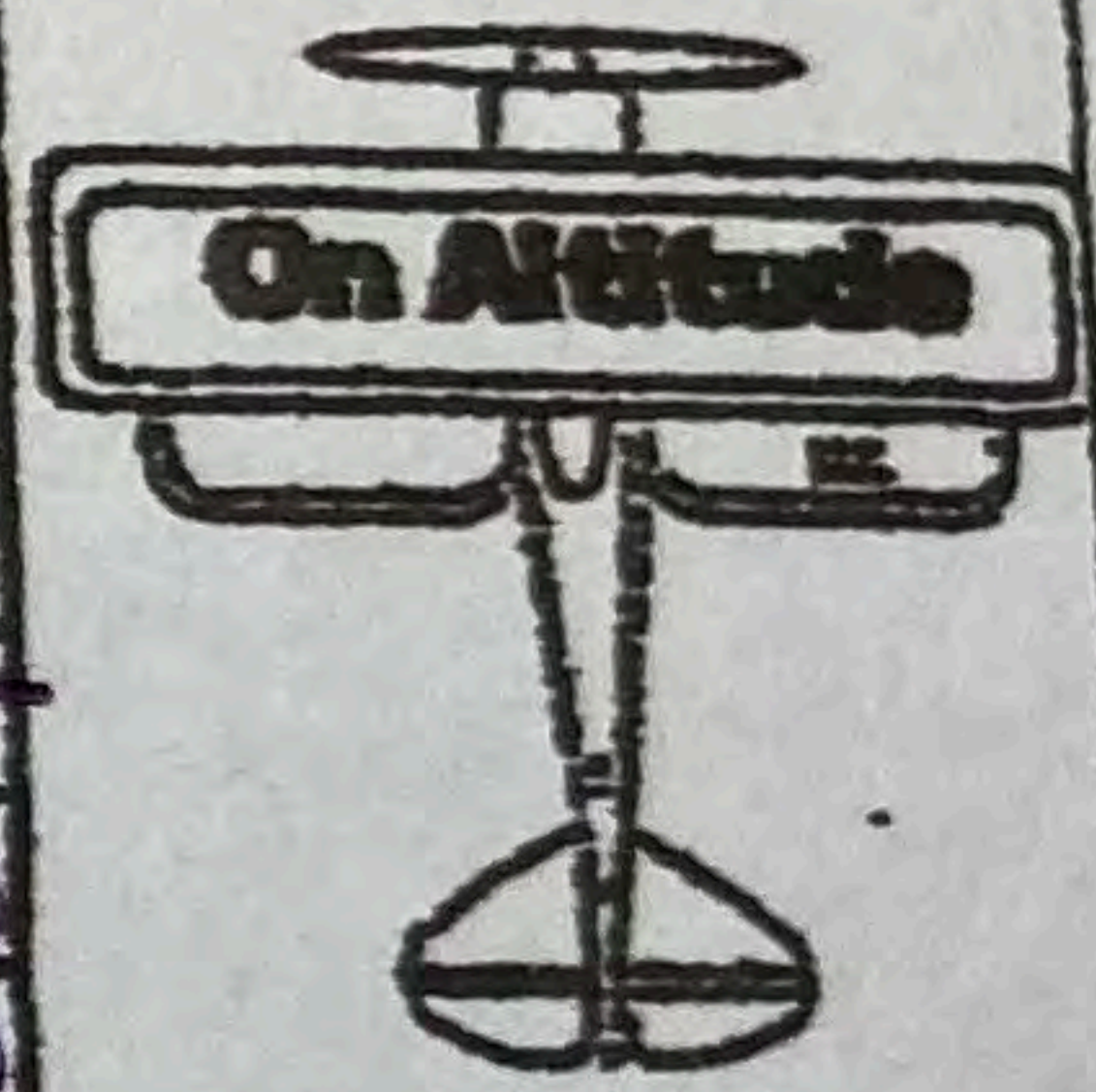


TABLE 3			TABLE 4			
FRICTION			BARO SCALE			
ALT	TOL	IND	HG	ALT	DIFF	TOL
8,000	60	-20				
10,000	80	-30	1,000	70	-50	28.10 -1727 -2 25
12,000	90	-30	2,000	70	-50	28.50 -1340 +5
14,000	100	-30	3,000	70	-50	29.00 -863 -3
16,000	110	-25	5,000	70	-50	29.50 -392 +3
18,000	120	+10	10,000	80	-60	29.92 0 0
20,000	130	+25	15,000	90	-70	30.50 531 -6
22,000	140		20,000	100	-90	30.90 893 +2
25,000	155		25,000	120		30.99 974 +1
30,000	180		30,000	140		
35,000	205		35,000	160		
40,000	230		40,000	180		
45,000	255		50,000	250		
50,000	280					

Next Altimeter Certification

Due 11/01/2020

This Altimeter in reference to the work performed is returned to service.



YEAR:

DATE

4/3/19 - Removed R2359A & A30. Installed  
Cypareo ESGi ADS-B XPRR # 550120-  
35c-RS232 encoder

Technician or Repair

REQUIREMENTS OF FAR 23.1325, FAR 91.217, FAR 91.411,  
and FAR 91.413 have been accomplished as follows:

(a) Transponder Manufacture Cypareo,  
Model ESGi Serial Number 077794 from,  
Aircraft. Transponder certified IAW FAR 43 APPENDIX F.

(b) Altimeter Manufacture Kollsman,  
Model ANS260 Serial Number — from  
Aircraft. Altimeter certified to 20k feet IAW  
FAR 43 APPENDIX E. R

(c) Performed correspondence check to 20k ft for  
Encoder Manufacturer TCI, Model 550120-35c-RS232  
Serial number SRC10627 IAW FAR 43 APPENDIX E.

(d) STATIC SYSTEM PROOF TESTED.

ADS-B  
compliance  
checked  
GDL-52

Compatible with Avery® 5168  
Compatible avec Avery® 5168

YEAR:

DATE

STANDARD CAL DATE: 6/18  
STANDARD S / N 120918

Kollsman  
AW 5760

DYERSBURG AVIONICS  
OF CARUTHERSVILLE  
2204 AIRPORT DRIVE • CARUTHERSVILLE, MO 63830  
FAA REPAIR STATION #SF4R516M

ALTIMETER and STATIC SYSTEM CERTIFICATION FORM

DATE 4/2/19 A/C Make/Model C177 N# 17186 FIELD ELEV. 276'  
W.O #: 5422 OWNER Andrew TECH Daan  
At 29.92Hg A/C reads +50 Ft. Test Alt reading +50

At Field Elevation A/C reads 30.15 Test Alt reads 30.15 Ft.   
Hg

Check Points	Test Alt Correct	Scale Error	Tolerance	Friction	Tolerance	Encoder Error	Tolerance
-1000		0	20	X	X	X	X
0		0	20	X	X	X	X
500		+5	20	X	X	OK	125
1000		+15	20	X	X	X	X
1500		+20	25	20	70	OK	125
2000		+20	30	X	X	X	X
3000		+10	30	20	70	OK	125
4000		+15	35	20	70	X	X
6000		0	40	X	X	OK	125
8000		-15	60	X	X	OK	125
10000		-30	80	X	X	X	X
12000		-25	90	20	80	OK	125

YEAR: \_\_\_\_\_  
 DATE \_\_\_\_\_

**RECORDING TACH TIME**

**TODAY'S FLIGHT**

**TOTAL TIME IN SERVICE**

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

"The aircraft, airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for returned service."  
 Pertinent details of the repair are on file at this repair station under Order

No. 5922 Date 4/3/19

Signed JW Draw for  
(signature of authorized representative)

Dyersburg Avionics, Incorporated  
of Caruthersville  
(repair station name) SF4R516M  
certificate no.

2204 Airport Drive, Caruthersville, MO 63830  
(address)

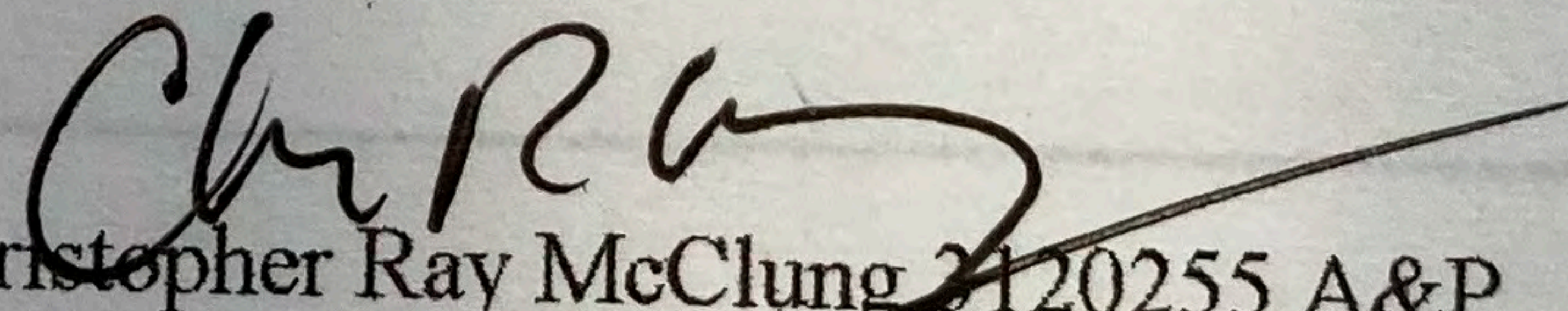
YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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24 April, 2019  
Tach: 1626.6

McClung Aviation, LLC  
Heber Springs, Ar.

N17186  
S/N 17702513

1. Removed engine instrument gages and installed EDM 900 Primary engine data monitor with fuel flow in accordance with STC SA01435SE installation instructions. For further information see FAA form 337 dated April 24, 2019.
2. removed OEM fuel quantity transmitters and replaced with CEIS fuel quantity transmitters in accordance with STC SA02511SE. for further information see FAA form 337 dated April 24, 2019.
3. Replace bot main tank fuel quick drains with P/N SA82.
4. Removed OEM mixture cable and replaced with McFarlane veneer cable P/N MC600-72.
5. Removed marvel Shebler carb and replaced AVSTAR carberator P/N AV-10-5034 S/N AV290421.
6. Rigged fuel control cables and carberature in refference to manufacturer's maintenc manual.

  
Christopher Ray McClung 2120255 A&P

YEAR:

DATE

RECORDING  
TACH  
TIME

TODAY'S  
FLIGHT

TOTAL  
TIME IN  
SERVICE

Description of Inspections, Tests, Repairs and Alterations

Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair  
Facility. (See back pages for other specific entries.)

1 July, 2019  
Tach: 1639.2  
TTAF: 1639.2

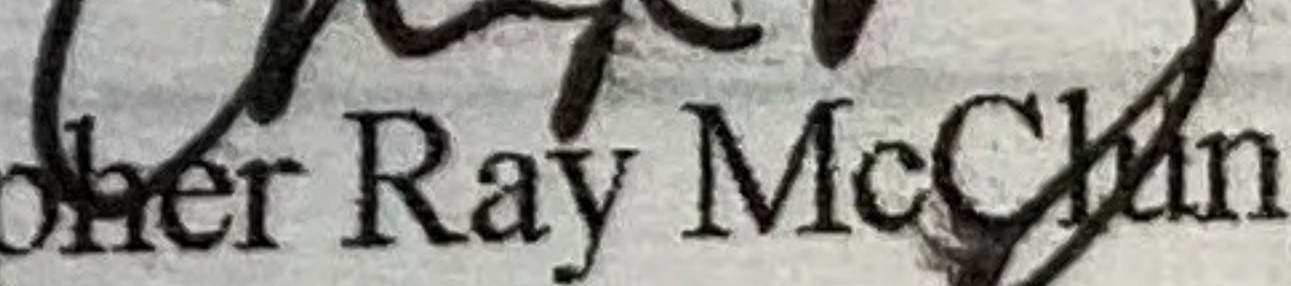
McClung Aviation, L.L.C.  
Heber Springs, Ar.

N17186  
S/N 17702513

Aircraft opened and inspected in accordance with the scope and detail of FAR 43, Appendix D. Lubed and inspected all flight controls and accessible cables and pulleys. Serviced wheels and brakes. ~~Jacked aircraft and performed retract and emergency extension check in accordance with service information.~~ Drained all fuel strainers and screens. Checked ELT for operation and battery date in accordance with FAR 91.207(d). Complied with all current and recurring AD's. See list in aircraft records. Other routine maintenance and inspections performed. Corrected the following discrepancies noted during the course of the inspection using approved or acceptable data as applicable:

1. Removed exuast inspected and lubed with antisieze per ICA of STC instructions..
2. Removed headliner and inspected for corrosion on carry through spar. Cleaned lower web of spar and treated with LPS3 corrosion inhibitor.
3. Removed master switch and replaced with new P/N S1994-1-1.
4. Removed alternator and replaced FAA/PMA plane power alternator P/N 10-1050A S/N H-T022722.
5. Removed OEM voltage regulator and replaced with regulator P/N R15V00 in accordance with STC SA8031SW installation instructions. See FAA form 337 dated 1 July, 2019 for further infromation.
6. ELT battery expires July 2020.
7. Removed old accesory mount from instrument panel and installed RAM ball mount.

I certify this **AIRCRAFT** has been inspected in accordance with an **ANNUAL INSPECTION** and was found to be in **AIRWORTHY** condition at this time

  
Christopher Ray McClung, IA 3120255

YEAR:  
\_\_\_\_\_  
DATE

RECORDING  
TACH  
TIME

TODAY'S  
FLIGHT

TOTAL  
TIME IN  
SERVICE

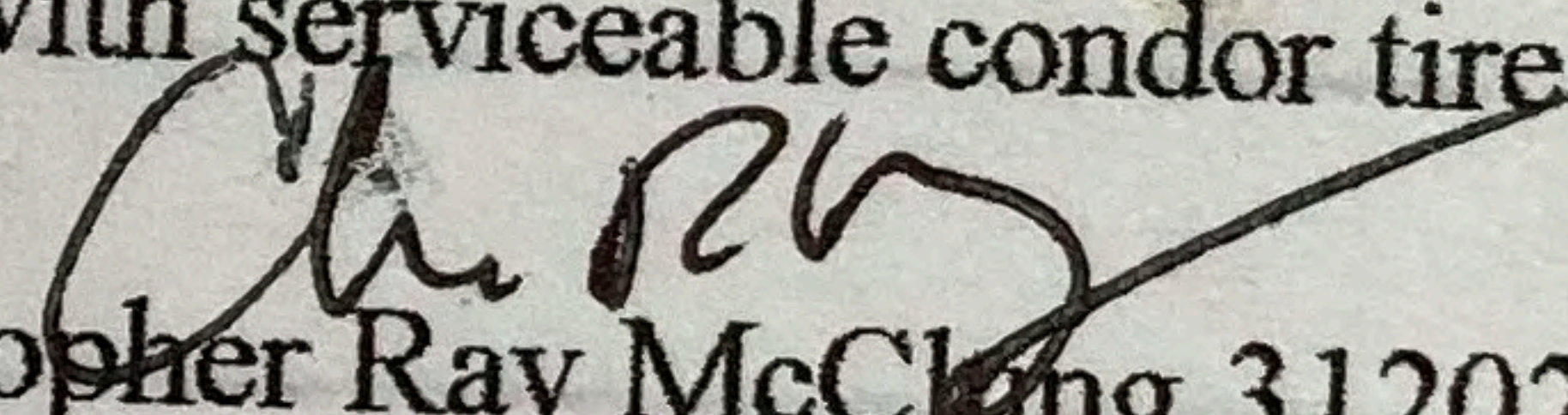
**Description of Inspections, Tests, Repairs and Alterations**  
Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

20 August, 2019  
Tach: 1658.6

McClung Aviation, LLC  
Heber Springs, Ar.

N17186  
S/N 17702513

1. Replaced RH main tire with serviceable condor tire 6-00.6 6 ply.

  
Christopher Ray McClung 3120255 A&P

YEAR:  
DATE

RECORDING  
TACH  
TIME

TODAY'S  
FLIGHT

TOTAL  
TIME IN  
SERVICE

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

25 November 2019

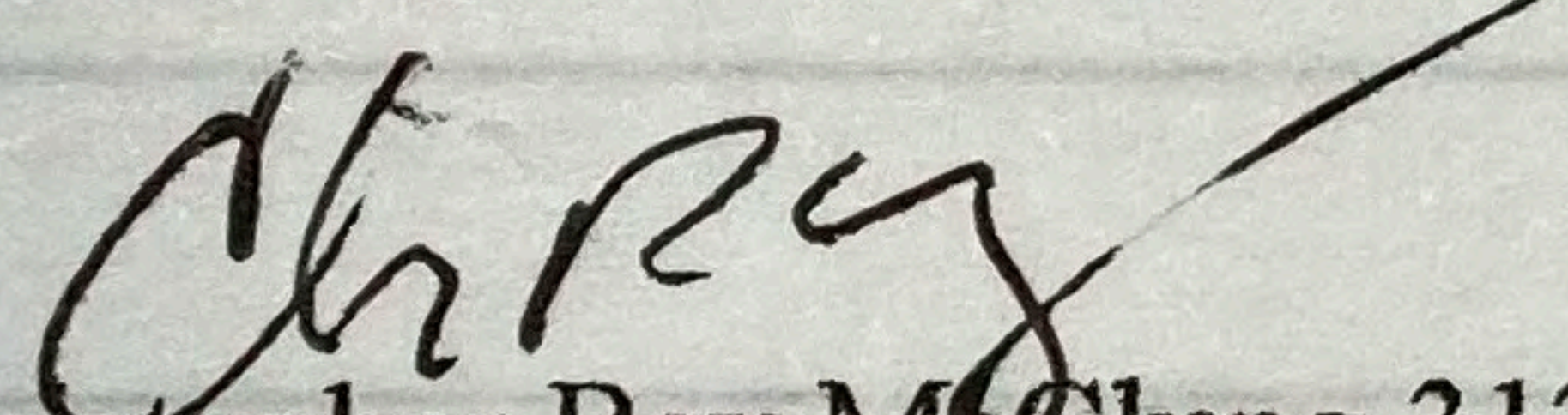
~~16 December, 2019~~

Tach: 1678.6

McClung Aviation, LLC  
Heber Springs, Ar.

N17186  
S/N 17702513

1. Removed tail beacon and installed Aero LED tail beacon P/N 11-2200-B-12.
2. Removed Air filter assembly and installed Bracket Aero Filter Assembly P/N BA5710 in accordance STC SA71GL installation instructions. See FAA form 337 dated this date for further details.

  
Christopher Ray McClung 3120255 A&P

**YEAR:**  
**DATE**

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

23 July, 2020  
Tach: 1702.1  
TTAF: 1702.1

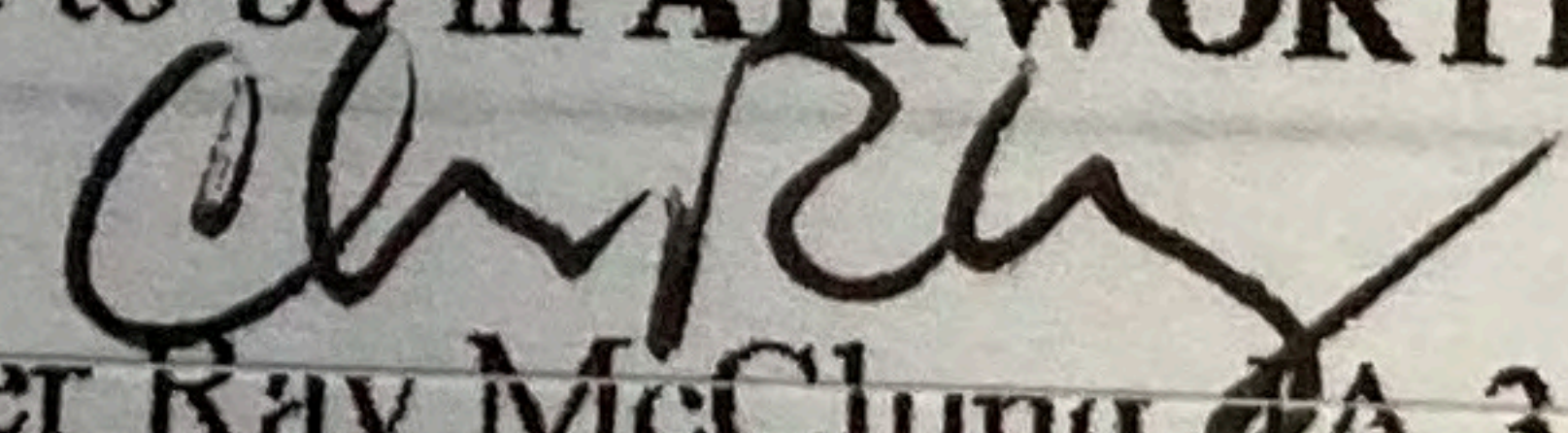
McClung Aviation, L.L.C.  
Heber Springs, Ar.

N17186  
S/N 17702513

Aircraft opened and inspected in accordance with the scope and detail of FAR 43, Appendix D. Lubed and inspected all flight controls and accessible cables and pulleys. Serviced wheels and brakes. Jacked aircraft and performed retraction and emergency extension checks in accordance with service information. Drained all fuel strainers and screens. Checked ELT for operation and battery date in accordance with FAR 91.207(d). Complied with all current and recurring AD's. See list in aircraft records. Other routine maintenance and inspections performed. Corrected the following discrepancies noted during the course of the inspection using approved or acceptable data as applicable:

1. Removed exuast inspected and lubed with antisieze per ICA of STC instructions..
2. Replaced induction air filter with new P/N BA5705
3. Removed prop and sent to Stallings Aircraft Propeller for IRAN inspection. Reinstalled prop torqued and saftied in refference to manufacturer's maintneance manual.
4. Replaced ELT battery with new P/N BP1015. New expiration date is October 2022.
5. Replaced pilot seat rollers with seat-kit-1 seat roller kit from McFarlane Aviation.
6. Replaced alternator belt with new P/N S1597-1-37.5.

I certify this **AIRCRAFT** has been inspected in accordance with an **ANNUAL INSPECTION** and was found to be in **AIRWORTHY** condition at this time

  
Christopher Ray McClung, #A 3120255

YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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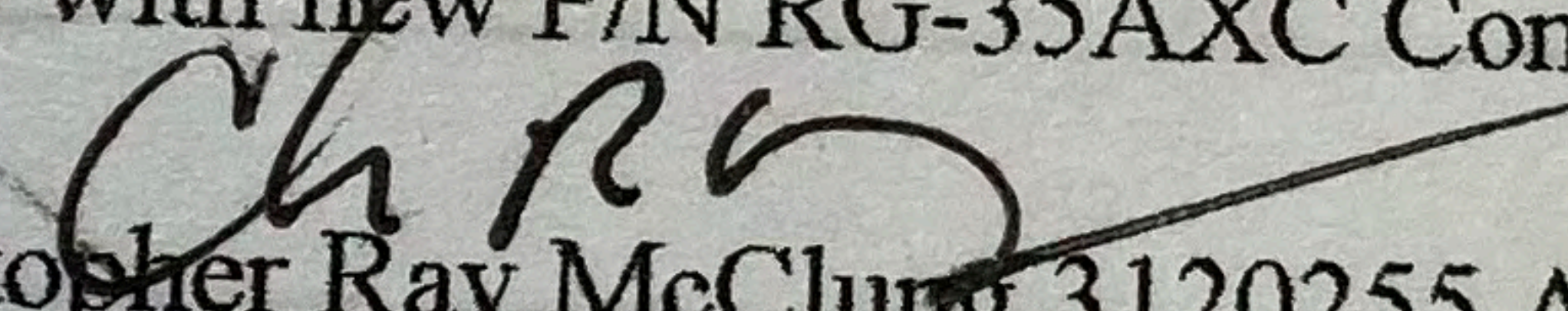
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9 December, 2020  
Tach: 1738.6

McClung Aviation, LLC  
Heber Springs, Ar.

N17186  
S/N 17702513

1. Replaced aircraft battery with new P/N RG-35AXC Concord battery.

  
Christopher Ray McClung 3120255 A&P

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

**Aircraft Structural Inspections LLC**  
**FAA CRS #1NPR910B**  
**Mountain View Ar 72560**

Aircraft Make & Model Cessna 177B Aircraft Registration N17186  
 Date 02/APR/2021 TACH Time 1752.1 Serial Number 1770251

I Certify that the Transponder System Tests Required by FAR 91.413 IAW Part 43  
 Appendixes F have been performed and meets those requirements.

Transponder Stratus E5GI S/N 077798 All other information may be found in  
 ASI WO# 4070. *[Signature]* #1NPR910B.

