



AIRCRAFT LOG AND MAINTENANCE RECORD

Record of Cessna 177B 17701626 N34076
Make Model Serial Certificate

With Engine Lycoming O-360-A1F6 L-15686-36A
Make Model Serial

From _____ 19____ to _____ 19____

Detailing Time From _____ To _____
Hours Hours

Owner _____

Address _____

Yosemite N.P.

Yosemite N.P.

REMARKS

REMARKS

Enter here general data with reference to "Line" and "Periodic" inspections — Rigging Changes — Alterations — Repairs — Service Letters — and changes in propeller or engine — as outlined in the front of this book, under the heading, "INSTRUCTIONS FOR USE OF THIS LOG BOOK."

ALL DATA must bear the endorsement of a certificated mechanic, and his rating and certificate number must be shown.

[illegible]

I have inspected this aircraft and found it complies with the requirements of FAR 21.183. All mandatory changes have been complied with. The static pressure system and sensitive altimeter instrument 60687 have been tested and inspected 10-21-70 and found to comply with FAR 91.170 to an altitude of 20 thousand feet. Standard Certificate of Airworthiness dated 5-21-71 was issued by me.

[Signature] Executive Engineer
Cessna Aircraft Co., Commercial Div.
Delegation Option Manufacture, OEA
By *[Signature]*
Lester A. Delano

AIRCRAFT LOG

REMARKS

Enter here general data with reference to "Line" and "Periodic" inspections — Rigging Changes — Alterations — Repairs — Service Letters — and changes in propeller or engine — as outlined in the front of this book, under the heading, "INSTRUCTIONS FOR USE OF THIS LOG BOOK." ALL DATA must bear the endorsement of a certificated mechanic, and his rating and certificate number must be shown.

VOR Receiver operation checked in accordance with FAR 91.25				DATE	REMARKS
Date	Bearing error		Place	Signature	Enter here general data with reference to "Line" and "Periodic" inspections - Rigging Changes - Alterations - Repairs - Service Letters - and changes in propeller or engine - as outlined in the front of this book, under the heading, "INSTRUCTIONS FOR USE OF THIS LOG BOOK." ALL DATA must bear the endorsement of a certificated mechanic, and his rating and certificate number must be shown.
	VOR 1	VOR 2			
				19 <u>71</u>	
				6-7	T.T. 6 hrs. Installed King KX170 Nav/com with King KI-211C Indicator, King KR-85 ADF, King KT-75 Transponder, King KA-25 Audio Amplifier, Genane Delta 1202 Marker Beacon receiver, and Alcor model 35 EGT Indicator. See FAA 337 this date. For weight & Balance, see weight & Balance report, Equipment list revised. Wayne Penfer, Inspector for: Tri-State Aero, Inc. C. R. S. 3088
				8-2-71	T.T. Installed second King KX170A NAV/COM with KI 201C Indicator. This is a minor alteration. Installation meets requirements of AC 43.13-2, chapter 2, For weight & Balance, see weight & Balance report. Equipment list revised. Wayne Penfer, Inspector for: Tri-State Aero, Inc. C. R. S. 3088

AIRCRAFT LOG

[illegible]

AIRCRAFT LOG

VOR Receiver operation checked in accordance with FAR 91.25				DATE	REMARKS
Date	Bearing error		Signature		
	VOR 1	VOR 2			
				19 <u>71</u>	Enter here general data with reference to "Line" and "Periodic" inspections — Rigging Changes — Alterations — Repairs — Service Letters — and changes in propeller or engine — as outlined in the front of this book, under the heading, "INSTRUCTIONS FOR USE OF THIS LOG BOOK." ALL DATA must bear the endorsement of a certificated mechanic, and his rating and certificate number must be shown.
				10-29	TACH & T.T. 97.48 Installed new Clock face, adjusted molding Right door & adjusted door seal, no AD notes affly. I certify that this aircraft has been inspected in accordance with a 100 hour inspection and was determined to be in Air- worthy condition. <i>E.E. Brand</i>, Inspector TRI-STATE AERO, INC. DRESS MEMORIAL AIRPORT EVANSVILLE, INDIANA C.R.S. 3088
11-16-71				TACH 110.9	Installed Exhaust Gas Temp Ind. Repaired and Recalibrated by floor vibration on W.O. 9994 Nov. 9 1971 R.P.W. #VP 1691285

AIRCRAFT LOG

DATE	FLIGHT FROM	TO	NATURE OF FLIGHT	DURATION OF FLIGHT	ACCUMULATED TOTAL FLYING TIME		SIGNATURE OF PILOT
					HOURS	10THS	
19 71 12-10			Installed King KN60B PME. This is a minor alteration, installation meets requirements of AC43.13-2, Chapter 2. For weight & Balance, see weight & Balance report. Equipment list revised.				Wayne Tenner, Inspector for: Life-Staffe Inc. Inc. C.R.S. 3088
1972 3/7	TACH	157.63	Serviced shimmy dampers & Tightened jam nut on steering Rod, Rod End.				Sumner W. Whiteport, P 1733060
5-30-72			Installed Dome & Margolin Emergency Locator Transmitter. This is a minor alteration, For weight & Balance, see weight & Balance report. Equipment list revised.				Wayne Tenner, Inspector for: Life-Staffe Inc. Inc. C.R.S. 3088

CARRY FORWARD THE TOTAL ACCUMULATED FLYING TIME TO THE TOP OF NEXT PAGE

AIRCRAFT LOG

VOR Receiver operation checked in accordance with FAR 91.25				DATE	REMARKS
Date	Bearing error VOR 1 VOR 2	Place	Signature		
6-1-72				221.44	Enter here general data with reference to "Line" and "Periodic" inspections — Rigging Changes — Alterations — Repairs — Service Letters — and changes in propeller or engine — as outlined in the front of this book, under the heading, "INSTRUCTIONS FOR USE OF THIS LOG BOOK." ALL DATA must bear the endorsement of a certificated mechanic, and his rating and certificate number must be shown. I certify that this <u>AIRCRAFT</u> has been inspected in accordance with a <u>ANNUAL</u> inspection and was determined to be in Air- worthy condition. <u>R.C. Dill</u>, Inspector TRI-STATE AERO, INC. DRESS MEMORIAL AIRPORT EVANSVILLE, INDIANA C.R.S. 3088
7/15/72				241.69	Removed Electric Chock <u>AND</u> INSTAL MANUAL CLOCK. <u>Reggie Danna A#2057633</u>

AIRCRAFT LOG

DATE	FLIGHT FROM	TO	NATURE OF FLIGHT	DURATION OF FLIGHT	ACCUMULATED TOTAL FLYING TIME		SIGNATURE OF PILOT
					HOURS	IOths	
19 72 2-28			Removed King KN-60B DME and King KI-201c Amm Indicator, Installed King KH-5 DME with KI-265 Indicator, King KI-212 Off-air Indicator, King KN-74 Aera Nav Computer, and Airdata Elapsed time Computer - See FAA 337 this date, for weight & Balance, see weight & Balance report. Equipment list revised -				Wayne Kenner Inspector for: Tri-State Aero, Inc. C. R. S. 3088
9-13	Tach 279.0		Overhaul skimming dampener R.D.W. AWP 1691285				
1-24-73	Tach 309.54		Replaced landing light bulb. Replaced light mounting.				Richard Rudolph AWP 1139500
CARRY FORWARD THE TOTAL ACCUMULATED FLYING TIME TO THE TOP OF NEXT PAGE							

A close-up photograph of a vintage "AIRCRAFT LOG" notebook. The cover is white with a blue border and features a map of Iowa. The map includes labels for "NORTH PLATTE", "McConaughy", "Des Moines", "W Des Moines", "Fremont", "Springfield", "Hayden", and "Che 15.4". A small airplane icon is visible on the map. The notebook is resting on a dark surface.

VOR Receiver operation checked in accordance with FAR 91.25				DATE	REMARKS
Date	Bearing error		Signature		
	VOR 1	VOR 2			
				93	Enter here general data with reference to "Line" and "Periodic" inspections - Rigging Changes - Alterations - Repairs - Service Letters - and changes in propeller or engine - as outlined in the front of this book, under the heading, "INSTRUCTIONS FOR USE OF THIS LOG BOOK." ALL DATA must bear the endorsement of a certificated mechanic, and his rating and certificate number must be shown.
				2-19	Removed Dual King KX-170 Nav/coms with KI-211C & 212 Indicators, King KR-85 ADF, King KT-75 Transponder, King KP-25 Audio Amplifier, King KN-65 DME with KI-265 Indicator, King KN-75 Recv. Nav Computer, Aidata Elapsed time Computer, and Dome & Magellan Emergency Locator Transmitter. Installed Spence Alpha 360 Nav/com with Theta 100 Indicator. This is a minor alteration. Installation meets requirements of AC 43.13-2, Chapter 2. For weight & Balance, see weight & Balance report. Equipment list revised.
					Alaque Paul J. Inspector, for: Tri-State Aero, Inc. C.R. 5308

[illegible]

CARRY FORWARD THE TOTAL ACCUMULATED FLYING TIME TO THE TOP OF NEXT PAGE

REMARKS

REMARKS	
Enter here general data with reference to "Line" and "Periodic" inspections — Rigging Changes — Alterations — Repairs — Service Letters — and changes in propeller or engine — as outlined in the front of this book, under the heading, "INSTRUCTIONS FOR USE OF THIS LOG BOOK." ALL DATA must bear the endorsement of a certificated mechanic, and his rating and certificate number must be shown.	

[illegible]

7/7/73
 "I certify that this aircraft and, or, engine has been inspected in accordance with a ANNUAL inspection and was determined to be in airworthy condition."
 W. Hissam IA691287
 Mechanic Cert. No.
 SOUTHEASTERN OHIO AIR SERVICE, INC
 Municipal Airport, Zanesville, Ohio

REPACK WHEEL BEARINGS - INSTALL
 NEW LININGS R. BRAKE - SERVICE
 BRAKE RESERVOIRS AND BATTERY -
 INSTALL QUICK DRAIN VALVES IN
 WING TANKS - CHECK CONTROL
 SYSTEMS - CHECK AD'S THRU 73-13
 SEE LISTING IN BACK OF THIS
 BOOK - END -

Mechanic

Cert. No.

SOUTHEASTERN OHIO AIR SERVICE, INC.
Municipal Airport, Zanesville, Ohio

AIRCRAFT LOG

REMARKS

Enter here general data with reference to "Line" and "Periodic" inspections - Rigging Changes - Alterations - Repairs - Service Letters - and changes in propeller or engine - as outlined in the front of this book, under the heading, "INSTRUCTIONS FOR USE OF THIS LOG BOOK." ALL DATA must bear the endorsement of a certificated mechanic, and his rating and certificate number must be shown.

VOR Receiver operation checked in accordance with FAR 91.25				DATE
Date	Bearing error		Place	Signature
	VOR 1	VOR 2		

11-11-73 Installed Denair Alpha 200B Nav/Com.
See 337 this date for further information.

E.W. - 1550.20

E.W.C.G. - 104.08

MOM - 161348.00

U.W. - 949.80

CAPITAL AIRCRAFT ELECTRONICS, INC.
FAA Repair Station #1106
Port Columbus, Ohio

3-15-74

INSTALLED GENAUE BETA 5000 TRANSPONDER. SEE 337
DATED THIS DATE FOR DETAILS.

ACEW 1553.6

EWCG 104.0

MOMENT 161582.6

U.L. 946.4

Gerald Kotlinski AIP 2019512

*Superceded
2/14/75*

AIRCRAFT LOG

REMARKS

Enter here general data with reference to "Line" and "Periodic" inspections - Rigging Changes - Alterations - Repairs - Service Letters - and changes in propeller or engine - as outlined in the front of this book, under the heading, "INSTRUCTIONS FOR USE OF THIS LOG BOOK." ALL DATA must bear the endorsement of a certificated mechanic, and his rating and certificate number must be shown.

VOR Receiver operation checked in accordance with FAR 91.25

DATE

19

Date Bearing error Place Signature
VOR 1 VOR 2

8-6-74 T.T. 384.9

"I certify that this aircraft and, or, engine has been inspected in accordance with a ANNUAL inspection and was determined to be in airworthy condition."

D. Hussam IA691287

Mechanic

Cert. No.

SOUTHEASTERN OHIO AIR SERVICE, INC
Municipal Airport, Zanesville, Ohio

REPACK WHEEL BEARINGS -
INSTALL NEW NOSE WHEEL TUBE
SERVICE BATTERY, BRAKES AND
SHOCK STRUT - INSTALL NEW
FUEL LINE - PUMP TO CARBURETOR
CHECK CONTROL SYSTEMS - CHECK
ADS THRU 74-15 FOR COMPLIANCE - SEE
LISTING IN BACK OF THIS BOOK -

11-9-74 Replaced OmniFlash beacon with strobe
kit 30-0399-14 weight change negligible.
F. Albers ATP652869

AIRCRAFT LOG

[illegible]

AIRCRAFT LOG

REMARKS

VOR Receiver operation checked in accordance with FAR 91.25			
Date	Bearing error		Place
	VOR 1	VOR 2	

DATE

19 ____

Enter here general data with reference to "Line" and "Periodic" inspections - Rigging Changes - Alterations - Repairs - Service Letters - and changes in propeller or engine - as outlined in the front of this book, under the heading, "INSTRUCTIONS FOR USE OF THIS LOG BOOK." ALL DATA must bear the endorsement of a certificated mechanic, and his rating and certificate number must be shown.

Installed avionics equipment (See FAA 337 form this date)

New Empty Weight 1559.4 lbs.

New E. W. C. G. 104.0 in.

New Moment 162150.7 in. lbs.

New Useful Load 940.6 lbs.

Aeronautical Systems, Inc. FAA Repair Station C07-13

Signed [Signature] Date 11-7-75

Superseded
11-7-75

Installed avionics equipment (See FAA 337 form this date)

New Empty Weight 1565.4 lbs.

New E. W. C. G. 103.9 in.

New Moment 162677.8 in. lbs.

New Useful Load 934.6 lbs.

Aeronautical Systems, Inc. FAA Repair Station C07-13

Signed [Signature] Date 11-7-75

SUPERSEDED
DATE 5-6-81

[illegible][illegible]

AIRCRAFT LOG

AIRCRAFT LOG								
DATE	FLIGHT FROM	TO	NATURE OF FLIGHT	DURATION OF FLIGHT	ACCUMULATED TOTAL FLYING TIME		SIGNATURE OF PILOT	
					HOURS	IOths		
19 Sept 21 1976			I certify that this aircraft has been inspected IAW an annual inspection and was determined to be in airworthy condition installed new tires on both main wheels, install new struts in shimmy dampers & reserve checked and to date none apply see last back of book TACK 514 TT 514					
Sept 21 1976			FA 2061846					Dwight M Zimmer
Oct 8 1977			I certify that this aircraft has been inspected IAW an annual inspection and was determined to be in airworthy condition install two new lower control mounts new brake linings left side, check AD 76-20-06 & 77-12-8 and found they do not apply to this aircraft					
Oct 8, 1977			TACK 543	FA 2061846				Dwight M Zimmer

GO TO THE TOP OF NEXT PAGE

CARRY FORWARD THE TOTAL ACCUMULATED FLYING TIME TO THE TOP OF NEXT PAGE

AIRCRAFT LOG

VOR Receiver operation checked in accordance with FAR 91.25				DATE 19 ____	REMARKS Enter here general data with reference to "Line" and "Periodic" inspections - Rigging Changes - Alterations - Repairs - Service Letters - and changes in propeller or engine - as outlined in the front of this book, under the heading, "INSTRUCTIONS FOR USE OF THIS LOG BOOK." ALL DATA must bear the endorsement of a certificated mechanic, and his rating and certificate number must be shown.
Date	Bearing error VOR 1 VOR 2	Place	Signature		
Nov. 10, 1978					I certify that this aircraft has been inspected IAW an annual inspection and was determined to be in airworthy condition, replaced two brake lines, repacked wheel Brg. Subed for chart in service manual
Nov 10, 1978					TACK 582 TA 2061846 David M Zimmer
This Aircraft and/or Component was repaired and in- spected in accordance with the current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details of the repair are on file at this agency under: Repair Order No. 7044 Signed D. Nissam CHIEF INSPECTOR Authorized Signature F.A.A. Approved Repair Station No. C07-11, Southeastern Ohio Air Service, Inc. P.O. Box 863, Municipal Airport Zanesville, Ohio 43701					ANNUAL INSTALL NEW LIGHT BRACKET IN NOSE COWL INSTALL THREE NEW BRAKE LININGS INSTALL NEW NOSE WHEEL TIRE INSTALL NEW ELT BATTERY PACK INSTALL NEW VAC RELIEF VALVE FILTER REMOVE WHEEL FAIRINGS FOR WINTER OPERATION CHECK ADJUSTURE 79-21 SEE LISTING IN BACK OF THIS BOOK - TACH TIME 659.64 HRS EMPTY WT 1565.4 1550.5 LB. E.W.C.G 103.9 (OFF) 103.8 IN U. LOAD 934.6 949.5 LB

AIRCRAFT LOG

[illegible]

Date	Bearing error		Place	Signature
	VOR 1	VOR 2		

5-13-80

~~ZANESVILLE~~, OHIO CRS C07-11 S/N K 2218

SCALE CORRECTIONS	
ALTIMETER	
- 1000	0
0	0
500	0
1000	0
1500	0
2000	0
3000	-10
4000	-10
6000	-20
8000	-30
10000	-50
12000	-40

ALTIMETER READS	
14000	-40
16000	-30
18000	-40
20000	-20
22000	
25000	
30000	
35000	
40000	
45000	
50000	

Date: 5-13-80

Tested by: Q. Nissam

s - Repairs - Service Letters -
FOR USE OF THIS LOG BOOK."
be shown.

SYSTEM
BEEN
ED TO
- 30

AIRCRAFT LOG

DATE	FLIGHT FROM	TO	NATURE OF FLIGHT	DURATION OF FLIGHT	ACCUMULATED TOTAL FLYING TIME		SIGNATURE OF PILOT
					HOURS	10THS	
19 80							
SEPT 6	1980	REPLACE	DRUM CELL BATTERY				
		WITH REBAT	R35 THIS DATE				
		T.T. 732.22	1000/1000				
11-3-80					750	15	ANNUAL →
2/16/81			Installed new seals in Shock Struts				
			Replace studio cowling				
			Brush Weather				
3/17/81			INSTALLED WHEEL FAIRINGS E/W	1565.4	E.W. OG 103.9	U LONO 934.6	
NEW 785.			LUBED PROP & THROTTLE CONTROLS	Refilled	300346324	Ref	

CARRY FORWARD THE TOTAL ACCUMULATED FLYING TIME TO THE TOP OF NEXT PAGE

AIRCRAFT LOG

[illegible]

AIRCRAFT LOG

DATE	FLIGHT FROM	TO	NATURE OF FLIGHT	DURATION OF FLIGHT	ACCUMULATED TOTAL FLYING TIME		SIGNATURE OF PILOT
					HOURS	10THS	
19 MAY 6, 1981							
REMOVED EXISTING ALPHA 360 NAV/COM S/N 15-01, THETA 400 INDICATOR S/N 44-55 AND KI-20 C/S RECEIVER S/N 31-79. INSTALLED KING KX-170B NAV/COM S/N 711616, KI-209 INDICATOR S/N 9198 AND KI-75 GUIDESCOPE RECEIVER S/N 145561. THE UNITS WERE INSTALLED IN SAME POSITIONS AS ORIGINAL UNITS. INSTALLED NECESSARY CIRCUIT BREAKER, CONNECTED TO EXISTING AUDIO WIRING AND ANTENNA. ALL WORK WAS DONE IN ACCORDANCE WITH THE MANUFACTURERS INSTALLATION BULLETIN, AC 43-13-14 CH. 11 AND AC 43-13-24 CH'S 1 & 2. WEIGHT AND BALANCE REVISED; EQUIPMENT LIST UPDATED.							
EMPTY WEIGHT <u>1567.0 C.G.</u> <u>103.89</u> MOMENTS <u>162794.3</u> USEFUL LOAD <u>933.0</u>							

Signed [Signature]
LAURENCE AIRCRAFT ELECTRONICS INC.
Akron Municipal Airport
Akron, Ohio 44308

FAA Repair Sta. 106-13

ASR 297524657

CARRY FORWARD THE TOTAL ACCUMULATED FLYING TIME TO THE TOP OF NEXT PAGE

AIRCRAFT LOG

DATE	FLIGHT FROM	TO	NATURE OF FLIGHT	DURATION OF FLIGHT	ACCUMULATED TOTAL FLYING TIME		SIGNATURE OF PILOT
					HOURS	10THS	
19 81 6/12			SERVICED NOSE STRUT CRACK IN LT HORIZONTAL STAB TIP REPAIRED NOSE COWLING AND LANDING LT BRACKET ASSY.		STOP DRILLED		Jeffrey L. Kenneth AIP 27044657
8-8	TAC 829.78		CHANGED LT MAIN TIRE MOORE 600X6 4PLY TIRE, BALANCED. INSTALLED INST PNL NUTS, REPLACED COWLING SCREWS + FASTENERS				Jeffrey L. Kenneth AIP 27044657
11/4/81	TAC 879.76		CHANGED ACFT BATT, INSTALLED A REBAT R-35				Jeffrey L. Kenneth AIP 27044657
CARRY FORWARD THE TOTAL ACCUMULATED FLYING TIME TO THE TOP OF NEXT PAGE							

AIRCRAFT LOG

VOR Receiver operation checked in accordance with FAR 91.25				DATE	REMARKS																										
Date	Bearing error VOR 1 VOR 2	Place	Signature																												
		2-17-82			Enter here general data with reference to "Line" and "Periodic" inspections - Rigging Changes - Alterations - Repairs - Service Letters - and changes in propeller or engine - as outlined in the front of this book, under the heading, "INSTRUCTIONS FOR USE OF THIS LOG BOOK." ALL DATA must bear the endorsement of a certificated mechanic, and his rating and certificate number must be shown.																										
					INSTALL NEW RT. TIRE - TIRE - BRAKE KOLLSMAN SINK 2218 SOUTHEASTERN OHIO AIR SERVICE INC. ZANESVILLE OH CRS 007-11																										
					"I certify that this aircraft and, engine has been inspected in accordance with a <u>ANNUAL</u> inspection and was determined to be in airworthy condition." <u>D. Hissam</u> <u>IA691237</u> <u>I</u> Mechanic Cert. No. SOUTHEASTERN OHIO AIR SERVICE, INC. Municipal Airport, Zanesville, OH																										
					SCALE CORRECTIONS <table border="1"> <thead> <tr> <th>ALTIMETER</th> <th></th> </tr> </thead> <tbody> <tr><td>-1000</td><td>0</td></tr> <tr><td>0</td><td>0</td></tr> <tr><td>500</td><td>0</td></tr> <tr><td>1000</td><td>0</td></tr> <tr><td>1500</td><td>0</td></tr> <tr><td>2000</td><td>-10</td></tr> <tr><td>3000</td><td>-20</td></tr> <tr><td>4000</td><td>-25</td></tr> <tr><td>6000</td><td>-40</td></tr> <tr><td>8000</td><td>-60</td></tr> <tr><td>10000</td><td>-40</td></tr> <tr><td>12000</td><td>-50</td></tr> </tbody> </table>	ALTIMETER		-1000	0	0	0	500	0	1000	0	1500	0	2000	-10	3000	-20	4000	-25	6000	-40	8000	-60	10000	-40	12000	-50
ALTIMETER																															
-1000	0																														
0	0																														
500	0																														
1000	0																														
1500	0																														
2000	-10																														
3000	-20																														
4000	-25																														
6000	-40																														
8000	-60																														
10000	-40																														
12000	-50																														
					ALTIMETER <table border="1"> <thead> <tr> <th>READS</th> <th></th> </tr> </thead> <tbody> <tr><td>14000</td><td>-40</td></tr> <tr><td>16000</td><td>-30</td></tr> <tr><td>18000</td><td>-30</td></tr> <tr><td>20000</td><td>-10</td></tr> <tr><td>22000</td><td></td></tr> <tr><td>25000</td><td></td></tr> <tr><td>30000</td><td></td></tr> <tr><td>35000</td><td></td></tr> <tr><td>40000</td><td></td></tr> <tr><td>45000</td><td></td></tr> <tr><td>50000</td><td></td></tr> </tbody> </table>	READS		14000	-40	16000	-30	18000	-30	20000	-10	22000		25000		30000		35000		40000		45000		50000			
READS																															
14000	-40																														
16000	-30																														
18000	-30																														
20000	-10																														
22000																															
25000																															
30000																															
35000																															
40000																															
45000																															
50000																															
		7-16-82			TESTED BY <u>D. Hissam</u>																										

DATE: 7/16/82

TESTED BY D. Hissam

BRAKE
 PACKET
 ER Assy
 NEW ELT
 CELL
 ERU -
 of Book
 TEM
 PERFORMED
 By
 10R

AIRCRAFT LOG

[illegible]

AIRCRAFT LOG

REMARKS

Enter here general data with reference to "Line" and "Periodic" inspections - Rigging Changes - Alterations - Repairs - Service Letters - and changes in propeller or engine - as outlined in the front of this book, under the heading, "INSTRUCTIONS FOR USE OF THIS LOG BOOK." ALL DATA must bear the endorsement of a certificated mechanic, and his rating and certificate number must be shown.

VOR Receiver operation checked in accordance with FAR 91.25			DATE 19 ____
Date	Bearing error VOR 1 VOR 2	Place Signature	

2-4-83

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

D. Nassam IA 691287
Mechanic Cert. No.

SOUTHEASTERN OHIO AIR SERVICE, INC.
Municipal Airport, Zanesville, Ohio

CHECK WHEELS & BRAKES - INSTALL NEW ELT BATTERIES - DATED JAN 84 - CHECK CONTROL SYSTEMS - SERVICE BATTERY & BRAKES - CHECK ELECTRICAL SYSTEMS -

ELT BATT DUE 1-84
FAR 91.177 DUE 12-84
FAR 91.170 DUE 7-84

April 19, 1983

Removed existing Grenave Beta 5000 and tray. Installed Narco AT150 S/N 19377, using existing antenna system. All work was done in accordance with manufacturer's recommendations. Aircraft equipment list and weight and balance data updated.

EMPTY WEIGHT 1565.9 C.G. 103.91
MOMENTS 162718.4
USEFUL LOAD 934.1

SIGNED Laurence Aircraft Electronics, Inc.
LAURENCE AIRCRAFT ELECTRONICS, INC.
Akron-Canton Regional Airport
North Canton, Ohio 44720
F.A.A. Repair Sta. 106-13

CESSNA

177B

17707626

Item	Date and Hours	Method of Compliance	V	Comp Due Date/Hours	Authorized Signature and Number
68-7-9 Long Control Sys	NA	PER SER NO	X	NA	2061846 David M. Jinnery
68-17-4 Stall WARN Sys	NA	PER SER NO	X	NA	
68-18-2 Oil PRESS LINE	NA	PER SER NO	X	NA	
70-1-2 FUEL GA. TRANS Float	NA	PER SER NO	X	NA	
70-24-4 FUEL SHUT OFF VALVE	NA	PER SER NO	X	NA	
71-1-3 CRACKS STABILIZER ANG.	NA	PER SER NO	X	NA	SEE Log Book IA 2061846 David M. Jinnery
71-24-4 FLEXIBLE HOSES	NA	PER SER NO	X	NA	
72-3-3 Wing Flap Jack SCREW	5-31-72	PAR D KIT SK 177-18A INSTALLED	X	NA	
7408-01 ARC AutoPilot SERVOS	NA	NOT So Equipped	X	NA	IA 2061846 David M. Jinnery
74-16-06 Oil PRESS GAGE LINE	UNKNOWN	IAN 74-2 Sup. 1	X	NA	
75-07-02 AIR FILTER SEAL	NA	PER SER NO	X	NA	SEE Log Book IA 2061846 David M. Jinnery
74-24-13 UNITED INST.	NA	KOLB MAN INSTALLED	X	NA	
76-04-03 ARC PA-500A Actuators	NA	NOT So Equipped	X	NA	

NOTOR

North Canton, Ohio 44705
100-101-1512-11000-1

ROCK SPRINGS
OCS 14.7
CKW 12.2
MEDICINE BOW
MBW 14.1

CESSNA

177B

Ser. No. 17701626

AD Number	Subject	Date and Hours of Compliance	Method of Compliance	Next Comp Due Date/Hours	Authorized Signature and Number
76-14-8	Trim TAB Actuator	NA	PER SER NO	X NA	IA 2061846 David M Binner
76-14-8	Stabilator Attachment	NA	PER SER NO	X NA	IA 2061846 David M Binner
76-16-02	Air BORN VACC PUMPS	NA	PER SER NO	X NA	IA 2061846 David M Binner
EA W 3/16	Oil Cooler Failure	NA	PER SER NO	X NA	IA 2061846 David M Binner
76-21-06	Loss OFF Eng Oil	NA	PER SER NO	X NA	IA 2061846 David M Binner
77-12-08	Ext Ground Power REC	NA	PER SER NO	X NA	IA 2061846 David M Binner
79-08-03	Cigar Lighter	PCW	DISCONNECT LIGHTER	X	ALP 691287 D. Nissam
79-10-14	FUEL VENTING	NIA	TO SIN 01626	X NA	D. Nissam
79-18-05	LITHIUM ELT BATTERY	NIA	TO SIN 01626	X NA	D. Nissam
84-26-02	NEW AIR FILTER	NEW Bracket	NEW FILTER	X 1626:06	D. Nissam
86-19-11	Fuel	C/W	Added to Book	X	
86-24-7	Controls	P/C/W		X	
86-26-04	Shoulder harness	NA		X	
87-20-03	Seat Tracks R2	C/W	Inspected Every Annual	X	
93-5-6	ACS Ing Switch		Does Not Apply By S/N		

1449 hrs
4-21-90

E. Richard
IA 292463924

AIRCRAFT LOG

[illegible]

AIRCRAFT LOG

DATE	FLIGHT FROM	TO	NATURE OF FLIGHT	DURATION OF FLIGHT	ACCUMULATED TOTAL FLYING TIME		SIGNATURE OF PILOT
					HOURS	IOths	
19 85 5-15					1126	06	
I certify that this aircraft and engine has been inspected in accordance with a <u>ANNUAL</u> inspection and was determined to be in airworthy condition. <u>D. Hissam</u> <u>IA 691287</u> Mechanic Cert. No. SOUTHEASTERN OHIO AIR SERVICE, INC Municipal Airport, Zanesville, OH							
CHECK WHEELS & BRAKES - CHECK ELECTRICAL SYSTEMS - SERVICE BATTERY - CHECK & LUBE CONTROL SYSTEMS - INSTALL NEW ELT BATTERY DATED 5-86 C/W AD 84-26-02 NEW INDUCTION AIR FILTER INSTALLED - DUE AGAIN AT 1626:06 HRS							

CARRY FORWARD THE TOTAL ACCUMULATED FLYING TIME TO THE TOP OF NEXT PAGE



AIRCRAFT LOG

Service Letters -

AIRCRAFT LOG

REMARKS

VOR Receiver operation checked in accordance with FAR 91.25

Date	Bearing error	Place	Signature
	VOR 1	VOR 2	
5-22-86			1169:04
I certify that this engine has been in accordance with a <u>AA</u> inspection and was <u>be</u> in airworthy condition. <u>D. Hissam</u> Mechanic SOUTHEASTERN OHIO AIRPORT Municipal Airport, Z			

DATE

Enter here general data with reference to "Line" and "Periodic" inspections - Rigging Changes - Alterations - Repairs - Service Letters - INSTRUCTIONS FOR USE OF THIS LOG BOOK. Number must be shown.

SOUTHEASTERN OHIO AIR SERVICE INC
ZANESVILLE OH CRS 007-11 SIN K 2213

SCALE CORRECTION

ALTIMETER

-1000	0
0	0
500	0
1000	+10
1500	+10
2000	0
3000	0
4000	-20
6000	-20
8000	-30
10000	-50
12000	-50

ALTIMETER

READS

14000	-50
16000	-40
18000	-20
20000	-20
22000	
25000	
30000	
35000	
40000	
45000	
50000	

STALL ALL NEW
E BACK PLATE -
ELECTRICAL SYSTEMS
HT LAMP - LUBE
RECERTIFY
EM FAR 91-171

DATE: 5-20-86

TESTED BY: D. Hissam

ABR 130 4

WATERTOWN
ATY 165

AIRCRAFT LOG

AIRCRAFT LOG							
DATE	FLIGHT FROM	TO	NATURE OF FLIGHT	DURATION OF FLIGHT	ACCUMULATED TOTAL FLYING TIME		SIGNATURE OF PILOT
					HOURS	IOths	
1986							
Sept 10			Put NEW BATTERY IN AIRCRAFT				Lt 300-359426 Henry Nicholas Owner
Sept 10			Replace Landing Lamp 4522				Lt 300-359426 Henry Nicholas Owner
4-21-87			INSTALL NEW BRAKE LININGS		1258	06	Michael L Wathen AMP 235043052
					1265	31	ANNUAL
6-18-87			I certify that this aircraft and engine has been inspected in accordance with a ANNUAL inspection and was determined to be in airworthy condition."				CHECK WHEELS & BRAKES - CK ELECTRICAL SYSTEM - CHECK & LUBE CONTROL SYS - CHECK AD'S THRU 37-07 FOR COMPLIANCE - CHECK AD 84-26.02 AIR FILTER CHANGE WILL BE DUE AT 1626.06 HRS -
			D. S. Hussam				
			Mechanic				
			Cert. No.				
			SOUTHEASTERN OHIO AIR SERVICE, INC				
			Municipal Airport, Zanesville, Ohio				

ACCUMULATED FLYING TIME TO THE TOP OF NEXT PAGE

CARRY FORWARD THE TOTAL ACCUMULATED FLYING TIME TO THE TOP OF NEXT PAGE

AIRCRAFT LOG

REMARKS

VOR Receiver operation checked in accordance with FAR 91.25				DATE 19 ____
Date	Bearing error	Place	Signature	
	VOR 1 VOR 2			

Enter here general data with reference to "Line" and "Periodic" inspections — Rigging Changes — Alterations — Repairs — Service Letters — and changes in propeller or engine — as outlined in the front of this book, under the heading, "INSTRUCTIONS FOR USE OF THIS LOG BOOK." ALL DATA must bear the endorsement of a certificated mechanic, and his rating and certificate number must be shown.

6-22-88 TACH TIME

1352:49

SERVICED A/C I/A/W C-177 SERVICE MANUAL
 INSTALLED NEW BRADLE SHOES on R+L MAINS
 INSTALLED NEW ELT BATTERIES Due 6-22-89
 ALL AD'S CHECKED & C/W

TOTAL
 A/F
 ENG } 1352:49
 Prop }

I certify that this AIRCRAFT has
 been inspected I/A/W AN ANNUAL
 inspection and has been determined
 to be in airworthy condition.

Robert A. Norman
 A78 238664021 I/A

END

AIRCRAFT LOG

AIRCRAFT LOG							
DATE	FLIGHT FROM	TO	NATURE OF FLIGHT	DURATION OF FLIGHT	ACCUMULATED TOTAL FLYING TIME		SIGNATURE OF PILOT
					HOURS	IOths	
19 5/25/89			Installed NARCO AR-850 encoder. For details see FAA Form 337 of this date.				
			New Empty Weight - 1566.6 lbs.				
			New Moment - 162767.4 in. lb.				
			New Empty C.G. - 103.90 in. AFT datum				

CARRY FORWARD THE TOTAL ACCUMULATED FLYING TIME TO THE TOP OF NEXT PAGE



AIRCRAFT LOG

REMARKS

Enter here general data with reference to "Line" and "Periodic" inspections - Rigging Changes - Alterations - Repairs - Service Letters - and changes in propeller or engine - as outlined in the front of this book, under the heading, "INSTRUCTIONS FOR USE OF THIS LOG BOOK." ALL DATA must bear the endorsement of a certificated mechanic, and his rating and certificate number must be shown.

VOR Receiver operation checked
in accordance with FAR 91.25

DATE

19 ____

Date

Bearing error

Place

Signature

VOR 1 VOR 2

JULY 22, 1989

TACK TIME

1410.0

SERVICED AIRCRAFT T/A/W CESSNA 177

SERVICE MANUAL, GREASED ALL wheel Bearings

Installed 2 BRAKE Linings on Rt Gear. ADDED water

TO Battery, Installed New EIT BATTERYS Next Due

@ 7-22-90, Lubed & Rotated Pulleys. ALL AD'S

CRD & C/W

I CERTIFY THAT THIS AIRCRAFT
HAS BEEN INSPECTED IAW A ANNUAL/
~~100 HR~~ INSPECTED AND HAS BEEN
DETERMINED TO BE AIRWORTHY THIS

DATE 7-22-89 Robert A Norman ACP298664021 IA

TOTAL TIME A/P

TOTAL TIME ENG

1410:0

SMOH

SPCH

1410:0

T.T.

AIRCRAFT LOG

DATE	FLIGHT FROM	TO	NATURE OF FLIGHT	DURATION OF FLIGHT	ACCUMULATED TOTAL FLYING TIME		SIGNATURE OF PILOT
					HOURS	IO THS	
19 <u>89</u>							<u>300-38-9426</u> <u>19 Mike</u>
<u>Aug 10</u>	<u>Goetz Rd</u>	<u>new Battery</u>					
T.T. Airframe	<u>1449</u>		certify that this aircraft has been				
T.T. Engine	<u>1449</u>		inspected in accordance with (100 hr.) Annual				
T.S.M.O.	<u>~</u>		inspection and was determined to be in				
T.S.T.O.	<u>~</u>		airworthy condition.				
TACH Reading	<u>1449</u>		DATE <u>4-21-90</u> NO. <u>292463924 IA</u>				
			Signed <u>E. Richard Rawlin</u>				
			4-21-90 REMOVED INSPECTION PANELS, LUBED CONTROL SYSTEM AND REPLACED PANELS. SERVICED BATTERY. INSTALLED 2 NEW BRAKE LININGS. CHECK CONTROL & ELECTRICAL SYSTEMS. CHECK WHEELS & BRAKES.				

CARRY FORWARD THE TOTAL ACCUMULATED FLYING TIME TO THE TOP OF NEXT PAGE



AIRCRAFT

VOR Receiver operation checked in accordance with FAR 91.25				DATE	Enter here general data with reference to and changes in propeller or engine - as ALL DATA must bear the endorsement of
Date	Bearing error VOR 1 VOR 2	Place	Signature	19 ____	
5/23/90					Installed system in FAA Form BARANCE
					New Empty Wt. 1567.1
					New Empty Wt CG. 103.9
					New Moment 162837.4
					New useful load 932.40
					7-24-90
					New Insterm
					Sprayed Inside
11-1-90					Replaced rep



DORNE & MARGOLIN INC.

2950 VETERANS MEMORIAL HWY.

Bohemia, N.Y. 11716 (516) 585-4000

Item

Bohemia, N.Y. 11716 (516) 585-4000
Emergency Locator Transmitter

Part No.

DMELT1-3

Serial No. 534

Customer

Mercury Aviation

Remarks

Repair

Authorized Signature

Date

Date _____

OCT 16 1988

Certificate No.

259555

Air Agency Certificate No. MMF 111 - 16

RETURN TO SERVICE

7-24-90 Total Time - 1460.0 Tach Time - 1460.0
New Instrument Central Filter & Vac. Regulator Filter
Sprayed Inside of Wings With LPS 3.

Donald R Helmick
ATP 1263840

Replaced repaired ELT. #536 IN N 34076

11-1-90

AIRCRAFT LOG

DATE	FLIGHT FROM	TO	NATURE OF FLIGHT	DURATION OF FLIGHT	ACCUMULATED TOTAL FLYING TIME		SIGNATURE OF PILOT
					HOURS	10THS	
19 Dec. 21, 1990			Tech. time: 1474.8	Total Time: 1474.8			Replaced all time tires and tubes. Serviced Shimmy damper. Re-sealed N/L/G strut Assy. Bushed and re-shimmed all N/L/G steering linkage. Re-placed m/L/G brake hose Assy's. P/N S1810-550. Serviced with 5606 hyd. fluid and bled. Aircraft OP's checks O.K. on ground. Run-up. Aircraft is approved for return to service. Removed wheel fairings Assy's. For winter operation. Revised weight and balance as follows: New empty weight 1552.1 W.O. # 2695 New Moment 161119.2 New empty weight CG 103.8
Lorain County Aviation 44050 Russia Road Elyria, Ohio 44035			George Milby A/R 2191864 IA				
11-24-91	DR 91V8		REPLACED OIL 7 QUARTS	NEW SHELL-100	W6	SHEPARD #101437	
11-29-91			REPLACED BATTERIES IN FLT	W6	SHEPARD #101437		
91			REPLACED 2 1/2" SCOT FLEXIBLE TUBING		J. ADAMS A+ #294703177		
91			MODE C TRANSPONDER RECALIBRATED	D. RAISON V.			

BY FORWARD THE TOTAL ACCUMULATED FLYING TIME TO THE TOP OF NEXT PAGE

AIRCRAFT LOG

DATE	FLIGHT FROM	TO	NATURE OF FLIGHT	DURATION OF FLIGHT	ACCUMULATED TOTAL FLYING TIME		SIGNATURE OF PILOT
					HOURS	10THS	
1991 3/12	TI	1486-16 hrs					
			Removed Genave Alpha 500 B and D202 receiver, installed King KMA24 audio panel and KX155 with KI209 indicator installed KA33 cooling blower. FAA form 337 filed. Weight and balance updated.				
							David Crenshaw
							OR5 D103N



CARRY FORWARD THE TOTAL ACCUMULATED FLYING TIME TO THE TOP OF NEXT PAGE



AIRCRAFT LOG

VOR Receiver operation checked in accordance with FAR 91.21

Date	Bearing error		Place
	VOR 1	VOR 2	

N34076

Tach Time 1488.2

03/20/91

Swung Aircraft wet compass with radios "on" at the compass rose located at CGF airport. A COMPASS CORECTION CARD was issued at this time.

A&P # 294703177

SIGNATURE

Joseph M Adams

Rigging Changes — Alterations — Repairs — Service Letters — the heading, "INSTRUCTIONS FOR USE OF THIS LOG BOOK." and certificate number must be shown.

AIRCRAFT LOG

[illegible]

AIRCRAFT LOG

REMARKS

VOR Receiver operation checked
in accordance with FAR 91.25

DATE

Enter here general data with reference to "Line" and "Periodic" inspections - Rigging Changes - Alterations - Repairs - Service Letters - and changes in propeller or engine - as outlined in the front of this book, under the heading, "INSTRUCTIONS FOR USE OF THIS LOG BOOK." ALL DATA must bear the endorsement of a certificated mechanic, and his rating and certificate number must be shown.

Date

Bearing error

Place

Signature

VOR 1 VOR 2

19

7-27-92

Total Time - 1543.93 Tach Time - 1543.93

100 Hr Inspection, Lubed Controls Serviced Brakes Tires,
Battery & Shimmy Dampener. New O-Rings on Gas Caps. Inspected Seat
Rails As Per AD 87-20-3 R2

I Certify That This Aircraft Has Been Inspected In Accordance
With An Annual Inspection And Was Determined To Be In Airworthy
Condition.

Donald R Helmick
IA 1263840

12-1-92

REPLACED BATTERIES IN FLT W.B. SHEPARD #101437

AIRCRAFT LOG

REMARKS

VOR Receiver operation checked
in accordance with FAR 91.25

DATE

Enter here general data with reference to "Line" and "Periodic" inspections - Rigging Changes - Alterations - Repairs - Service Letters - and changes in propeller or engine - as outlined in the front of this book, under the heading, "INSTRUCTIONS FOR USE OF THIS LOG BOOK." ALL DATA must bear the endorsement of a certificated mechanic, and his rating and certificate number must be shown.

Date Bearing error Place Signature
VOR 1 VOR 2

19

2-12-93 installed new G-36 GILL BATTERY 1552 HR N.S. thread 101437

7-20-93 Total Time - 1581.34 Tach Time - 1581.34

100 H. Inspection. Lubed Controls. New Bolt in Elev. Trim
Tab Control Arm. Serviced Brakes & Tires Greased Nose Gear
Checked Battery & Shimmy Dampener. Inspected Seat Rails As Per
AD. 87-20-3 R2

I Certify That This Aircraft Has Been Inspected In
Accordance With An Annual Inspection And Was Determined
To Be In Airworthy Condition.

Donald R Helmick
IA 1263840

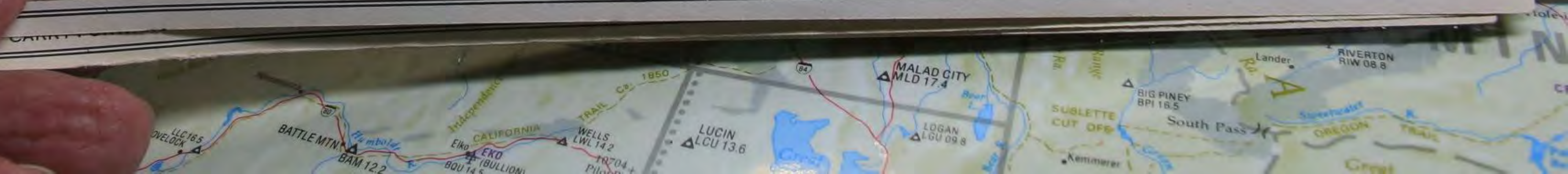
AIRCRAFT LOG

[illegible]

AIRCRAFT LOG

DATE	FLIGHT FROM	TO	NATURE OF FLIGHT	DURATION OF FLIGHT	ACCUMULATED TOTAL FLYING TIME		SIGNATURE OF PILOT
					HOURS	IOths	
19	8-16-94		Total Time - 1620.31	Tach Time - 1620.31			
			100 Hr. Inspection, Lubed Controls, Cleaned & Greased All				
			Wheel Bearings, Serviced Brakes, Tires, Battery, And Shimmy Damper.				
			Lubed Nose Gear, Removed Cessna Carb Air Filter, And Installed Brackett				
			Carb Air Filter Assy. Part No. BA-5710 In Accordance with Instructions				
			Under STC SA 71GL. No Weight Change. See 337 Same Date.				
			Inspected Seat Rails As Per AD Note 87-20-3 R2 Found OK.				
			I Certify That This Aircraft Has Been Inspected In Accordance				
			With An Annual Inspection And Was Determined To Be In				
			Airworthy Condition.				
							Donald R. Helmsick
							JA 1263840

CARRY FORWARD THE TOTAL ACCUMULATED FLYING TIME TO THE TOP OF NEXT PAGE



REMARKS

REMARKS

Enter here general data with reference to "Line" and "Periodic" inspections - Rigging Changes - Alterations - Repairs - Service Letters - and changes in propeller or engine - as outlined in the front of this book, under the heading, "INSTRUCTIONS FOR USE OF THIS LOG BOOK."

ALL DATA must bear the endorsement of a certificated mechanic, and his rating and certificate number must be shown.

[illegible]

MAINTENANCE RECORD

The Aircraft, Airframe, Aircraft Engine, Propeller or Appliance identified above was repaired and Inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this Repair Station under

Work Order No. 64708

Insp. Dallaway Date 11/30/94

See other side for description of work performed

SIDE

SIDE A

**BECKETT
ENTERPRISES, INC.**

FAA CRS #00Q5R102N
355 Richmond Road
Cleveland, Ohio 44143
PH. 216-261-1111
Serviceable Part



M • e • b • e • r

AIRCRAFT LOG

REMARKS

REMARKS
Enter here general data with reference to "Line" and "Periodic" inspections — Rigging Changes — Alterations — Repairs — Service Letters — and changes in propeller or engine — as outlined in the front of this book, under the heading, "INSTRUCTIONS FOR USE OF THIS LOG BOOK."
ALL DATA must bear the endorsement of a certificated mechanic, and his rating and certificate number must be shown.

VOR Receiver operation checked in accordance with FAR 91.25				DATE 19 ____	Enter here general data with reference to "Line" and "Periodic" inspections - Rigging Changes - Alterations - Repairs and changes in propeller or engine - as outlined in the front of this book, under the heading, "INSTRUCTIONS FOR USE OF THIS LOG BOOK." ALL DATA must bear the endorsement of a certificated mechanic, and his rating and certificate number must be shown.
Date	Bearing error VOR 1 VOR 2		Place Signature		
9-9-95				Total Time - 1660.32 Tach Time - 1660.32 100 Hr Inspection Completed, Serviced Brakes, Tires, Shimmy Dampner, & Battery. Lubed Controls & Nose Gear. Seat Rails Inspected In Accordance With AD Note 87-20-3-R2, Found OK. I Certify That This Aircraft Has Been Inspected In Accordance With An Annual Inspection And Was Determined To Be In Airworthy Condition. Donald R Helmsick IA 1263840	
12-29-95				replaced BATTERIES IN ELT Wh. Stuart TOE ADAMS REPLACED SEAT 1 1/2" TUBING TO CARB HEATER	

MEMORANDA

Date	10-1-96	Total Time - 1692.21	Tach Time - 1692.21
	100 Hr Inspection, Lubed All Controls, All Wheel Bearings Cleaned And Greased. Serviced Brakes, Tires, And Shimmy Damper. Battery Checked And Serviced. Seat Rails Inspected In Accordance With AD Note 87-20-3-R2.		
	I Certify That This Aircraft Has Been Inspected In Accordance With An Annual Inspection And Was Determined To Be In Airworthy Condition.		
		Donald R Helmick IA 1263840	
12-6-96	INSTALLED	NEW CONCORDE BATTERY	RG-35 GEL 1699.43 TACH
S.N. 293617	REPLACED	BATTERIES IN. EKT	W.B. Shepard #011437

MEMORANDA

Date			
	8-13- 97	N34076	S/N 17701626
	Acft.TT 1721.1 Hrs (tach) Removed existing Bendix ignition system, and installed Unison Industries Lasar electronic ignition system consisting of Left magneto P/N 4771 S/N 97020620, Right magneto P/N 4770 S/N 97050402, Controller P/N LC1011-04 S/N 977093-08, CHT probe P/N M53040-01, Low Voltage Control Harness P/N LH1004-14, and High Voltage Control Harness P/N M4005. System was installed I/A/W manufacturers instructions, (Service Letter SL1-96 issued 6-5-97). System also installed I/A/W STC# SE524CH, and STC#SA563CH. System was integrated into the existing manifold pressure system. A Tanis heater probe was removed from the LH aft engine cylinder (#4) to facilitate (continued)		

NEXT PAGE

SERVICE INFORMATION LETTER AND AIRWORTHINESS DIRECTIVE LOG

Date _____

19

installation of the CHT probe. A bolt type heater P/N TAS 104 was installed in a induction tube bolt hole in place of the original Tanis probe. Functional test of system found to be normal. Weight and Balance and Equipment list were revised to reflect above changes, (see form #337 dated this date.)

New Weight and Balance as follows:

New Empty Weight:	1558.15
New Moment:	161507.75
New EWCG:	103.65
New Useful Load:	941.85

Joseph M Adams A+P 29470 3177

Signature

SERVICE INFORMATION LETTER AND AIRWORTHINESS DIRECTIVE LOG

[illegible]

	Information Letter Number	Directive Number
END OF BOOK # 2 1/2 John M Adams AP 294703177		



BOOK #3

 The Standard
AIRCRAFT LOG

ASA-SA-2

Aircraft Record General Information

Log Book No 3

Manufacturer Cessna Model 177B
Serial 17701626 Registration Number ~~N34076~~ N177ET
Date of Manufacture _____

Engine(s) currently installed:

Manufacturer _____ Model _____ Serial _____
Manufacturer _____ Model _____ Serial _____

Propeller(s) currently installed:

Manufacturer _____ Model _____
HUB Model _____ Serial _____ Serial _____
Blade Model _____ Serial _____ Serial _____ Serial _____
Blade Model _____ Serial _____ Serial _____ Serial _____

Coast Aircraft Radio, Inc.
North Marginal Rd.
CRS5R103N

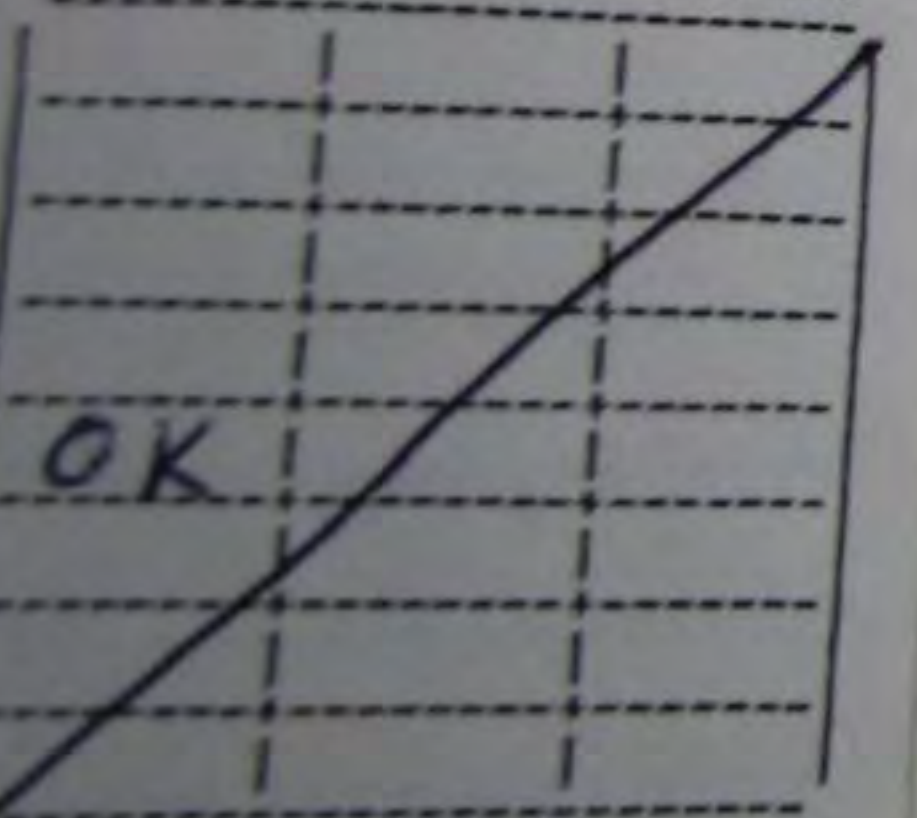
Sheard
Altitude
Date 9/11/97
Make Kollsman
W/O 97465
Model STD PNL
Certificate ORSR103N

Instrument Code
Reading Check Tolerance

985	10K	20
20		20
20		20
20		20
25		25
30		30
30		30
35		35
40		40
40		40
50		50
50		50
65		65
70		70
70		70
85		85
90		90
100		100
110		110
120		120
130		130
140		140
155		155
160		160
205		205
235		235
255		255
280		280

Friction Test	Test Tol.	Actual
0	+/- 70	60
10000	+/- 80	55
16000	+/- 90	50
20000	+/- 100	25
25000	+/- 120	
30000	+/- 140	
35000	+/- 160	
40000	+/- 180	
50000	+/- 230	

Baro-set or Airspeed Test



Pitot Leakage 0 HPH/Knot
Static Leakage 10 ft./1000
Test Altitude 4000 ft.

Static system tested and certified per FAR 91.411
and FAR Part 43 Appendix E and F.

North Coast Aircraft Radio, Inc.
1601 North Marginal Road
Cleveland, Ohio 44114
CRS. ORSR103N

W/O # 97465

Date 9/11/97

Signed David Amund

Tests and Alterations
Certificate Number of
her specific entries.)

DATE	RECORDING TACH TIME	TODAYS 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.)
1997				
Dec. 6, 1997	1733.3	1733.3		Removed and Replaced: Central Instrument Air Filter - P/N D9-14-5, Brackett Air Filter Element - P/N BA-5705, Vacuum Reg. Air Filter - P/N B3-5-1. Removed E.I.T. for repair. Placarded panel - E.I.T. not installed. Complied with: A.D. 86-19-11 by installation of Appendix in Aircraft Flight Manual in accordance with para. b. of A.D. Note, A.D. 87-20-03 R2 by inspection of seat tracks and rollers - no defects noted. next compliance due at annual, A.D. 97-01-13 by inspection for defective hose - no no defects noted. Adjusted Aileron cable tension, I certify that this aircraft has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.
				Jonathan Miller A+P773644922 I.A.

35

© 1992 ASA

Burke Lakefront Airport
Cleveland, Ohio 44114

CRS
Customer Will, Gary Date 10/23/91 Model 105R103N
Instrument Altimeter Make Kollsman Certificate # OR5R103N
Certified by D. Amick Friction Test Actual

Master Altitude	Instrument Reading	Code Check	Tolerance
-1000	-980	OK	20
0	+10		20
500	520		20
1000	995		20
1500	1500		25
2000	1995		30
3000	2985		30
4000	3995		35
6000	5960		40
8000	7945		60
10000	9940		80
12000	11935		90
14000	13900		100
16000	15940		110
18000	17890		120
20000	19935		130
22000			140
25000			155
30000			180
35000			205
40000			235
45000			255
50000			280

Friction Test	Test Tol.	Actual
0	+/- 70	60
10000	+/- 80	80
16000	+/- 90	55
20000	+/-100	45
25000	+/-120	
30000	+/-140	
35000	+/-160	
40000	+/-180	
50000	+/-230	

Baro-set or Airspeed Test

OK

Pitot Leakage 0 MPH/Knots
Static Leakage 50 Ft./mi.
Test Altitude 4000 Ft.

ctions, Tests, Repairs and Alterations

with Name, Rating and Certificate Number of

Transponder system tested and certified per FAR 91.413
and FAR Part 43 Appendix E and F. *AT150*
AR
Integrated system tests performed.
North Coast Aircraft Radio, Inc.
1601 North Marginal Road
Cleveland, Ohio 44114
CRS. OR5F103N
Signed *[Signature]* *[Signature]*
Date *10/26/99*
[Signature]

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.)

LT BATTERIES 2/5 Standard

DATE	RECORDING TACH TIME	TODAYS 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.)
March 25, 2000	1877.5		1877.5	Removed, disassembled, Removed and replaced seals and reassembled shimmy dampener. Serviced shimmy dampener with MIL-H-5606 hyd. fluid. Reinstalled & safetied shimmy dampener. Removed McCauley propeller Model #2D34C202/82 PA-6, Installed a Hartzell propeller Model #HC-C34R-1RF/F7782, S/N DY 4505A, Parts approved for aircraft under Supplemental Type Certificate # SA15566L. Work done in accordance with S.T.C. # SA15566L and Hartzell Owner's Manual #115(N). Form 337 submitted and completed this date. Removed and Replaced alternator belt. Old Empty Weight - 1558.15 New Empty Weight - 1578.15 Old Moment 161507.75 New Moment 161909.75 Old Empty Weight Center of G. 103.65 New Empty Wt. Center of G. 102.59 Old Useful Load 941.85 New Useful Load 971.85 J. M. Miller A+P 773 644927 I.A.

DATE	RECORDING TACH TIME	TODAYS 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.)
1000 Oct. 14	1849.8		1849.8	Removed and Replaced Brackett air filter element - P/N BA-5705. Removed Nose wheel assembly, disassembled, removed tire, and reassembled with new 5.00-5, 4PR Tube type tire and reinstalled wheel assembly. Cleaned and greased nose wheel assembly bearings. Complied with A.D. 87-20-03 R2 by inspection of seat tracks and guides. No defects noted. Next compliance due at annual. Complied with A.D. 7000-06-01 by inspection. Fuel strainer assy. not replaced during time period and no defects noted. Adjusted aileron, Flap, Stabilator, stabilator trim, and rudder cable tensions and safetied. I certify that this aircraft has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition. <i>Jonathan Miller</i> A+P 273644922 I.A.

ations
er of
tries.)

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.)

DATE

July 2,
19

2001

RECORDING
TACH
TIME

TODAY'S
FLIGHT

TOTAL
TIME IN
SERVICE

7-2-2001 1864.2 1864.7 Removed original aircraft Cessna exhaust system, P/N 1706050. Installed a Power Flow Systems, Inc. Laminar Flow System Extractor Exhaust System, Part #PFS-13703, S/N 059A. Parts approved for aircraft under Supplemental Type Certificate #SA 02115AT. Work done in accordance with S.T.C. #SA 02115AT and Power Flow Systems Extractor Exhaust System Installation Instructions #PFS-13703, Rev. F.

Old empty Weight - 1578.15 lbs.

New empty Weight - 1581.15

Old Moment - 161909.75

New Moment - 162017.75

Old empty Wt. Center of G. - 102.59

New empty wt. Center of G. - 102.47

Old Useful load - 921.85

New useful load - 918.85

Jonathan Miller

A+P 273644977 IA.

DATE 19__	RECORDING TACH TIME	TODAYS 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.)
Oct. 20, 2001	1672.1		1872.1	Removed and replaced: Brackett Air filter element - P/N BA-5705, All 4 engine Shock mounts - P/N 94011-20, All 4 engine shock mount bolts and nuts with new hardware, and seat stops. Cleaned and greased all landing gear wheel bearings. Complied with A.P. 87-20-03 R7 by inspection of seat tracks and guides, No defects noted, Next compliance due at annual. I certify that this aircraft has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition. G. Nathan Miller AIP 266 9296 T.A.

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

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

ALTIMETER SCALE CORRECTION CARD

AIRCRAFT N# 34076

ALTIMETER S/N 59340-1

SCALE CORRECTIONS

Add algebraically
at room temp.

-1000	-5
0	0
500	0
1000	0
1500	-5
2000	0
3000	+10
4000	+10
6000	+20
8000	+15
10000	+25
12000	+30

*Add algebraically
at room temp.*

14000	+35
16000	40
18000	+50
20000	+45
22000	7
25000	
30000	
35000	
40000	
45000	
50000	

Tested by: *Ami B...* Date: *11/11/10*
SCALE CORRECTIONS SHOWN ON THIS CARD ARE THE SCALE
ERRORS WITH THE SIGN REVERSED. ONLY THOSE SCALE ERRORS
DETERMINED BY THE USE OF A MASTER ALTIMETER TRACEABLE
TO AN ACCURATE MERCURIAL BAROMETER AT THE TIME THE
ALTIMETER IS CALIBRATED FOR ACCEPTANCE WILL BE USED IN
DETERMINING SCALE CORRECTIONS FOR ENTRY ON THIS CARD.
THE COMPLETED SCALE CORRECTION CARD WILL BE ATTACHED
TO THE ALTIMETER WHEN IT IS NOT INSTALLED IN THE AIRCRAFT.

GREAT LAKES AVIONICS

CRS G4KR556Y

© 1992 ASA

Alterations
te Number of
pecific entries.)

off air
vacuum
+ Air

cks and
due at
5606 hyd
raft has
specimen
diffen

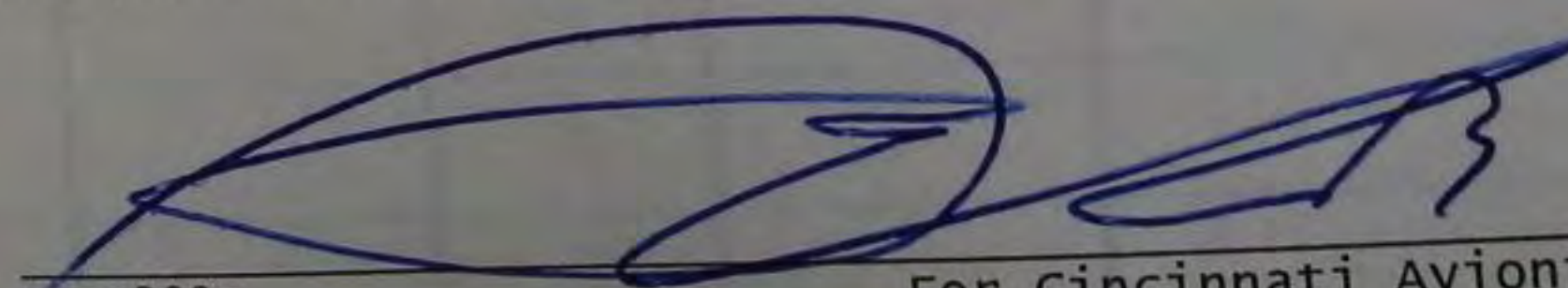
Description of Inspections, Tests, Repairs and Alterations			
Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)			
DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE
19			
9-24-02	1939.4		
Replace BA Here with new Gill G 35 S/N G02009991. Overhaul Alternator with new Bearings, Brushes, Stator, & Diode Plate. Ground Run & OPS Check Good. Wayne R. Brown ATP2B388837			

Cincinnati Avionics Clermont County Airport Batavia, OH 45103 VYTR380B Pg 1 / 1

LOG ID# 111 22-October-2002 WO# 2542/1

N34076 S/N 17701626 CESSNA 177

Removed a Narco AR850 encoder and installed a TCI SSD120 encoder. Operational check of the system was performed with no discrepancies noted.


VYTR380B For Cincinnati Avionics

DATE

11/2002

RECORDING
TACH
TIME

TODAYS
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.)

11/27

1975.0

Removed Headliner & AIR ducting in
cabin. Treated cabin roof & spar with
CORROSION X. INSTALLED NEW 2" AIR
DUCTS IN CABIN W/NEW CEET TUBING.
Hughes 35842705/AP

DATE	RECORDING TACH TIME	TODAYS 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.)
2003				
7/29	2003.99		2003.99	Engine removed for overhaul this date see engine logs & files. Hughes Prop 358427051A/TA
9/21	2003.99	SMOHT	- 0 -	Engine reinstalled this date Hughes Prop 358427051A/TA
10/20	2054.58		2054.58 - 0 -	Removed prop governor due to leaking and sent out for overhaul. Reinstalled new unit and adjusted prop takeoff rpm. New unit McCauley Part # C290D2K/T11 SN # 701621 Hughes Props 358427051AP

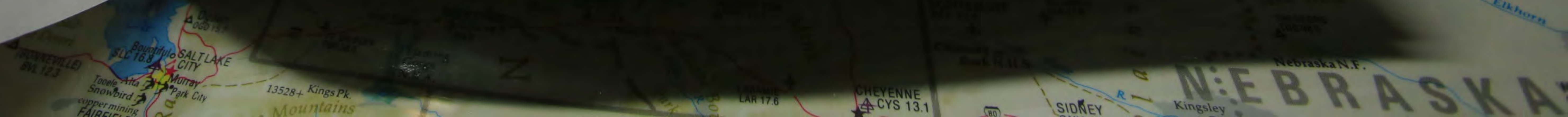
DATE	RECORDING TACH TIME	TODAYS FLIGHT
2004		
Feb 25 2004		
4/10/04	2086.61	

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.)

removed for overhaul this date
 logs & files
 358427051AP/IA
 installed this date
 358427051AP/IA

prop governor due to leaking and sent out for
 installed new unit and adjusted prop takeoff
 McCauley Part # C290D2K/T11
 358427051AP
 [Signature]

DATE	RECORDING TACH TIME	TODAYS 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.)
Feb 25 2004				Model # <u>AT150</u> Serial # <u>19377</u> Aircraft N <u>177 EJ</u> Date: <u>Feb 25 2004</u> Transponder tested in accordance with part 43, Appendix "F" for compliance with FAR 91.413. Work Order # <u>9/44</u> Signature: <u>[Signature]</u> CRS # <u>QYVRO44J</u> MUELLER AVIONICS, INC.
4/10/04	2086.61			Removed existing original Cessna fuel inlets and caps And replaced with Monarch Stainless Steel caps and Inlets. Conformed with STC SA2457CE. These caps Comply with AD 79-10-14R1. Date 4/10/04 [Signature] 2815791AP/IA Aircraft Tach Time <u>2086.61</u> Aircraft Total Time <u>2086.61</u> SEE STC IN A/C FILES



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

5-28-04 N177ET
LEFT ENGINE Cessna
RIGHT ENGINE
TACH 2099.81
MODEL 177 CARDINAL
RIGHT ENGINE
✓
BALANCING WAS DYNAMICALLY BALANCED TO AN IPS OF .030
BALANCING WAS DONE BY "SMOOTH VIBRATIONS AVIATION" USING MICRO VIBE II
BALANCING EQUIPMENT. WEIGHT WAS PERMANENTLY INSTALLED TO THE SPINNER.
SPINNER PLATE TO STARTING RING GEAR BY MEANS OF "AN" HARDWARE.
INSTALLED 6.8 GRAMS OF WEIGHT AT 310
INSTALLED 8.0 GRAMS OF WEIGHT AT 0
INSTALLED 8.0 GRAMS OF WEIGHT AT _____
ALL WEIGHT LOCATIONS WERE REFERENCED TO THE PROPELLER BLADE AS THE PROPELLER
BLADE BEING IN BALANCING WAS COMPLETED IN ACCORDANCE WITH CHADWICK/HELMUTH
MANUAL NUMBER 2, ENTITLED "THE SMOOTH PROPELLER". APPROVED BY THE NORTHEAST
REGION ENGINE AND PROPELLER SERVICE DIRECTORATE 12 JUNE 1990; AND/OR APPLICABLE
PROPELLER SERVICE APPLICATION: McCauley SL 1989-4B & Hartzell Manual #202A OR
HARTZELL SL 1989
OPERATING INSTRUCTIONS
HARTZELL
MICHAEL S ROHLMAN
Michael S Rohlman

DATE	RECORDING TACH TIME	TODAYS 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.)
6/8/04	TACH. 2140.2 2102.19		SIN OH 98.2	Removed all inspection plates, engine cowling, wheel pants, interior, and seats for annual inspection. Airframe and controls inspected with no problems found. Removed one unused antenna/wiring and installed one new antenna in belly at station 148.0" for use with Sure-Check traffic monitor. Installed new Sure-Check traffic monitor in center panel under radios. Fused per instructions. Main wheels removed and bearings greased. Left wing courtesy light replaced. Replaced clamp on muffler support bracket. Changed Brackett air filter and washed engine. Checked primer lines, exhaust system, mounts, carb heat box, cables, hoses and all items forward of firewall. I have inspected this airframe in accordance with an annual inspection and found it to be in an airworthy condition on this date. 6/8/04 <u>Russell Roberts</u> 2815791AP/IA

DATE
2004

11/15

TACH. 2
SMDH

12/19

TACH 2158.04
SMDH 154.05

MANUFACTURER RELEASE
CERTIFICATE

D.O.T. APPROVAL
AMO 100-91



10916 - 119 STREET
EDMONTON, AB T5H 3P4
TEL: (780) 447-5955
TEL: 1-888-388-8803

PRODUCT NAME R.S. Designs Exhaust Extension

PART No. RSEP-PFO

SERIAL No. AW 110336

MANUFACTURER ACORN WELDING LTD.
THE AERONAUTICAL PRODUCT DESCRIBED HEREON CONFORMS TO APPROVED
TYPE DESIGN DATA AND IS IN A CONDITION FOR SAFE OPERATION.

[Signature]
AUTHORIZED INSPECTOR

Nov. 22, 2004
DATE

Installed new exhaust fairing (pnEP5001-001) on lower engine cowlings at exhaust pipe. Used nut plates supplied by kit and installed in accordance with instructions and STC SA01386NY. See 337 in aircraft files. Serviced nose strut with hydraulic oil and nitrogen per owner's manual. Installed new short stack muffler per manufacturers instructions. See 337 for field approval.

[Signature] 2815791AP/IA date 12/19/04

Iterations
Number of
entries.)

DATE
2005
RECORDING
TACH
TIME

2/23

TACH 2165.03
SMDH 101.04





Altimeter Reads	Range Temp °C	Low Temp. °C
12000	+70	
14000	+70	
16000	+75	
18000	+70	
20000	+30	
25000	X	
30000		
35000		
40000		
45000		
50000		

.411,
notices

of Part 43.

© 1992 ASA

[illegible]

DATE 9/10 19 2005	RECORDING TACH TIME	TODAYS 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.)
T.T.	2272.00			Attitude Gyro removed for replacement. New Sigma Tek Attitude Gyro installed in same location. Model # 50008-36. Serial # T87669N. Weight 1.8# TSO C4c type 1. Aircraft ran and indicator checked for operation. Aircraft returned to service on this date. 9/11/05 <i>Thuy H. Lo</i> 2815791AP/IA
T.T.	2272.00			Removed inoperative EGT gauge installed in panel and on Cylinder #3 exhaust pipe. Installed new JPI EDM 700 engine management system in same panel location. No change to W & B. Installed in accordance with manufacturers instructions and drawing # 5057 rev B dated 4/15/85 for STC SA2586NM on this date. FAA form 337 filed. (See aircraft files) 5/13/06 <i>Thuy H. Lo</i> 2815791AP/IA

ions, Tests, Repairs and Alterations
with Name, Rating and Certificate Number of
y. (See back pages for other specific entries.)

ement. New Sigma Tek Attitude Gyro
el # 50008-36. Serial # T87669N. Weight
ran and indicator checked for operation.
his date. 9/11/05
AP/IA

GT gauge installed in panel and on
pe. Installed new JPI EDM 700 engine
same panel location. No change to W &
ance with manufacturers instructions and
dated 4/15/85 for STC SA2586NM on this
filed. (See aircraft files)
2815791AP/IA

[illegible]

Description of Inspections, Tests, Repairs and Alterations

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

Removed inspection plates, interior, and engine cowling for annual inspection. Checked and lubricated all controls, pulleys, control surfaces and found no defects. Checked brakes and landing gear. Removed wheels and greased wheel bearings. Cleaned area around brakes and wheel pants. Replaced electric fuel pump filter (pn# 479135). Installed new bracket air filter element (pn# 5108). Drained gascolator, checked for debris and safety wired. Removed muffler shroud and checked for cracks and/or leaks. None found. Checked engine baffling and repaired as necessary. Sealed several areas for air leakage. Installed two new baffle fasteners (pn# 0450277-212 & 0450277-214). Checked all wiring, hoses, and controls for integrity. Checked carb heat box. ELT batteries replaced w/alkaline D cells (Due 6/09) I have inspected this airframe in accordance with an annual inspection and found it to be in an airworthy condition. Aircraft returned to service this date. 6/10/06
Tach 2292.14hrs 2815791AP/IA

© 1992 ASA

Inspections, Tests, Repairs and Alterations
endorsed with Name, Rating and Certificate Number of
Air Facility. (See back pages for other specific entries.)

new "Fancy Pants" nose gear speed
on nose strut of this aircraft. All work
accordance with STC SA516NE and
manufacturers instructions. See 337 in aircraft
manual. Airframe painted with "OMNI" single stage
polyurethane paint to match. Nose strut re-
painted per Cessna instructions. Aircraft
returned to service on this date. 6/24/06
2815791AP/IA

DATE	RECORDING TACH TIME	TODAYS 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 2007				
1/13	2364.7		↓ 2364.7	Removed tachometer, manifold pressure gauge and directional gyro for replacement. All new instruments installed in existing locations. Directional gyro vacuum operated and tachometer and manifold pressure gauges are digital electronic. Gauges installed with adapters for 2.25" gauges. Electronic gauges wired per manufacturers instructions and fused per drawings. Both electronics gauges connected to existing 5 amp circuit breaker (originally for strobes). See 337 forms in aircraft files. Weight and Balance work sheet modified. See aircraft file. Capped off old tack cable at engine. (DG is model # RCA11A-8 Serial # 46JO341G) (Tach is Electronics International Model # R-1, Serial # 090365) (Manifold Pressure gauge is Electronics International Model # M-1, Serial # G80Y240R320) All work done in accordance with STC SA5924NM & STC SA5926NM. Aircraft returned to service on this date. 1/13/07 <i>[Signature]</i> 2815791AP/IA
SMDH	360.71			

Side window removed. Installed new pn W-2411-LH (clear)
Side window with -3A rivets from Great Lakes Aero Products.
Manufacturer code # 1129761 manufactured on 10/31/2007. PMA
Aircraft returned to service this date. 11/15/07
2815791AP/IA
2478.8 hrs

177EJ Cessna 177B S/N17701626
121437 tach: 2506.6 ttat:2506.6

is date, removed a Narco AT 150 transponder S/N 19377
d installed a Garmin GTX 330 transponder S/N 84129442
is place. This installation has been determined to be a
not alteration. Updated wt. & balance and equipment list.

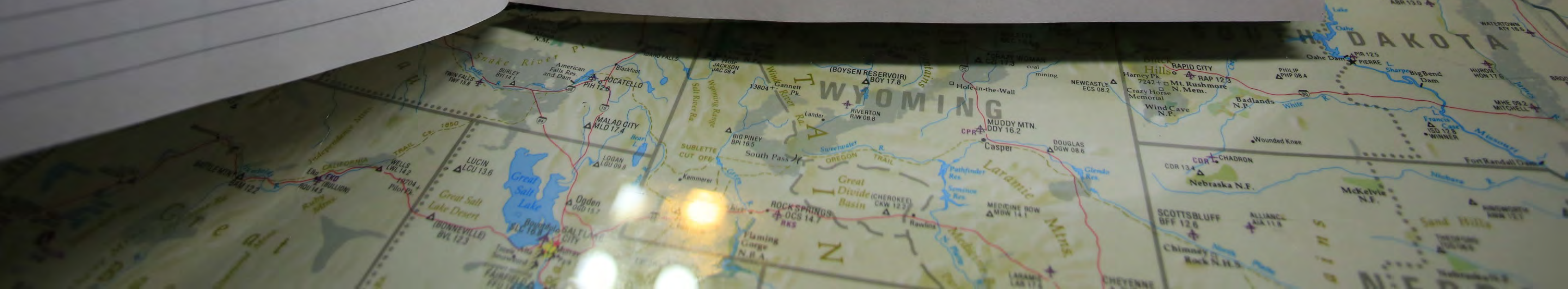
W.O. # 17457

for: Cape Avionics, Inc.
Regional Airport 169 Cadmium Ln.
Cape Girardeau MO 63701
FAA Approved Repair Station NO. C1KR447N

Removed cowlings and drained oil. Removed oil filter and replaced with new Champion 48108-1. Added 7 quarts of Aeroshell 15W50 oil.
1/30/08 Ken J. Pitzer 2815791AP/IA

new parts (pn 1714000-33). Re-installed seat in aircraft.
 ned to service this date. 4/4/08
 apt *[Signature]* 2815791AP/IA

© 1992 ASA



DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
9/9	TACH 2564.3			Installed new Micro Aerodynamics, Inc. VG kit for Cessna Cardinal C-177B under STC SA01033SE dated Jan 8, 2002. All work done in accordance with drawing package MA2162 Rev. IR dated Nov 1, 2001 and written installation manual MA2163 dated Dec 3, 2001. Placard MA8001 installed on instrument panel in view of pilot. No weight and balance calculated, as kit is labeled "negligible". 9/9/08 Hugh J. Stoops <i>[Signature]</i> 2815791AP/IA Tach Time 2564.3 Total Time 2564.3 <i>See 337 in A/C Files</i>
11/5	TACH 2584.0			Removed cowling and installed three new cowling fasteners (pn J-7444-14). Aircraft returned to service on this date. 11/5/08 Hugh J. Stoops <i>[Signature]</i> 2815791AP/IA

[illegible]

Inspections, Tests, Repairs and Alterations
Endorsed with Name, Rating and Certificate Number of
Fair Facility. (See back pages for other specific entries.)

Micro Aerodynamics, Inc. VG kit for Cessna
77B under STC SA01033SE dated Jan 8, 2002. All
in accordance with drawing package MA2162 Rev. IR
2001 and written installation manual MA2163 dated
Placard MA8001 installed on instrument panel in
No weight and balance calculated, as kit is labeled

19/9/08
ops [Signature] 2815791AP/IA

2564.3
2564.3

See 337 in A/C Files

...wing and installed three new cowling
...3444-14). Aircraft returned to service on
... 2815791AP/IA

[illegible]

© 1992 ASA

DATE	RECORDING TACH TIME	TODAYS 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.)
------	---------------------------	------------------	-----------------------------	---

19 2009

7/1
TACH
TOTAL

2671.5
2671.5

N177EJ C-177B - Sn 17701626 -

Removed cowlings, inspection panels, wheel covers, seats, fairings, etc for annual inspection. Lubed all controls and hinges. Removed wheels and greased bearings, checked brakes and brake lines. Cleaned plugs and gapped. Drained gascolator.

Muffler shroud removed and inspected. Flap motor jackscrew greased per Cessna service manual. Battery inspected (Battery was replaced @ 2670.0hrs on 6/8/09 by owner). ELT checked per 91.207 (d) with no defects found. Batteries replaced by owner, now due 6/2012. New air filter installed (pn BA-5705). New instrument filter installed (pn RA-D-9-14-5). New data plate installed on left side of aircraft fuselage at tail. SEB08-5A complied with by inspection. New vacuum failure light replaced on panel. All recurrent AD's checked. No new AD's. See compliance list in aircraft files. I have inspected this aircraft in accordance with an annual inspection per AC 43.13 appendix d and found it to be in an airworthy condition on this date. 7/1/09 Aircraft returned to service on this date.

Hugh J. Stoops *[Signature]* 2815791AP/IA
Tach Time 2671.5
Total Time 2671.5

RAPCO, inc.

Air Filter P/N

Changed at:

2671.5 Hrs.

Date: 7/1/09

Next Change:

Hrs.

Date: 7/1/10

MANDATORY REPLACEMENT: 500 hours in service, annually, or pump replacement, whichever comes first.
Hartland, WI 53029 USA

ASA

- Sn 17701626 -
inspection

2815791AP/IA

7/10

N177EJ C-177B - Sn 17701626 Tach 2804.9
Lycoming - O360-A1F6 - Sn L-15686-36A Date 6/11/10
Hartzell - HC-C3YR-1RF/F7282 Sn DY4505A

returned to service on this date:
Hugh J. Stoops *[Signature]* 2815791AP/IA

Tach Time 2804.9
Total Time 2804.9

Tach Time 2804.9
Total Time 2804.9

Total Time 2804.9

New stall horn p.n. 04134-03-1 installed

© 1992 ASA

© 1992 AS.

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

#84129447
NOV 15 2010
Compliance with FAR 91.413.
Work Order #77679
CRS # QYVR044J

DATE	RECORDING TACH TIME	TODAYS 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.)
------	---------------------------	------------------	-----------------------------	---

Logbook Entry

Date 5/11/2011 Make Cessna N# 177EJ

Repaired A/P and sys checks were normal.
The aircraft and/or appliance identified above was repaired and/or inspected in accordance with current
FAA regulations and is approved for return to service for the work performed.

Pertinent details of this repair are on file at this Repair Station under Work Order

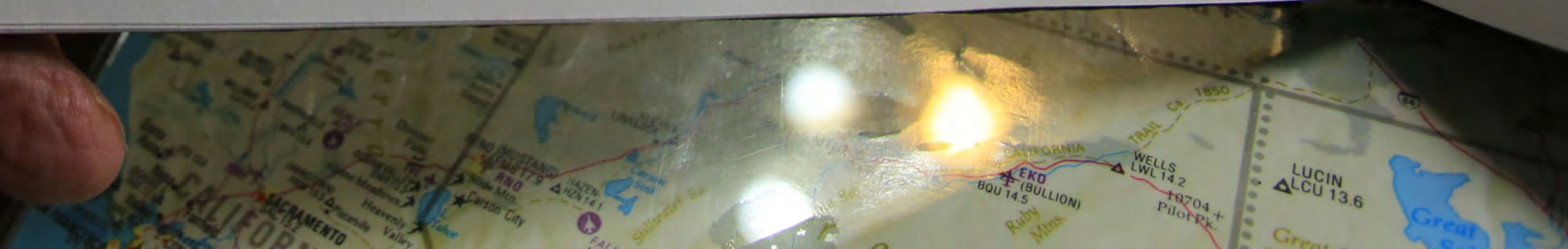
11-0455

Louis A. Gaiser

Louis A. Gaiser Cert # 2254646
For: Ron Collins Aviation Electronics LLC 2158 State Route 136W. Henderson, KY. 42420
Phone (270)827-1161 FAX (270)827-1164 CRS No. PG2R082L
URL www.roncollinsaviation.com E-Mail al@roncollinsaviation.com

DATE	RECORDING TACH TIME	TODAYS 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.)
6/17/11	2950.0			N177EJ C-177B - Sn 17701626 Tach 2950.0 Lycoming - O360-A1F6 - Sn L-15686-36A Hartzell - HC-C3YR-1RF/F7282 Sn DY4505A Date 6/17/2011 Removed cowling, inspection panels, wheel covers, seats, fairings, etc for annual inspection. Lubed all controls and hinges. Removed wheels and greased bearings, checked brakes and brake lines. New flexible brake lined installed at brake caliper. Drained gascolator. Muffler shroud removed and inspected. Flap motor jackscrew & flap tracks greased per Cessna service manual. New throttle and mixture cables installed. Mixture cable is vernier type. New carb air box installed. Battery inspected and water added. ELT checked per 91.207 (d) with no defects found. Batteries due 6/2012. New Brackett air filter element installed (pn BA-5705). All recurrent AD's checked. No new AD's. See compliance list in aircraft files. I have inspected this aircraft in accordance with an annual inspection per AC 43.13 appendix d and found it to be in an airworthy condition on this date. 6/17/10 Aircraft returned to service on this date. Hugh J. Stoops <i>[Signature]</i> 2815791AP/IA Tach Time 2950.0 Total Time 2950.0

DATE	RECORDING TACH TIME
11/02/11	3016.7
11/27/11	3027.5
2/24/12	3049.0



of Inspections, Tests, Repairs and Alterations
 Endorsed with Name, Rating and Certificate Number of
 Repair Facility. (See back pages for other specific entries.)

77B - Sn 17701626 Tach 2950.0
360-A1F6 - Sn L-15686-36A
C3YR-1RF/F7282 Sn DY4505A Date

ling, inspection panels, wheel covers, seats,
 r annual inspection. Lubed all controls and
 ved wheels and greased bearings, checked
 ke lines. New flexible brake lined installed at
 Drained gascolator. Muffler shroud removed
 Flap motor jackscrew & flap tracks greased
 vice manual. New throttle and mixture cables
 ure cable is vernier type. New carb air box
 y inspected and water added. ELT checked
 with no defects found. Batteries due 6/2012.
 air filter element installed (pn BA-5705). All
 checked. No new AD's. See compliance list
 I have inspected this aircraft in accordance
 inspection per AC 43.13 appendix d and found
 worthy condition on this date. 6/17/10 Aircraft
 ice on this date. 2815791AP/IA

2950.0
 50.0

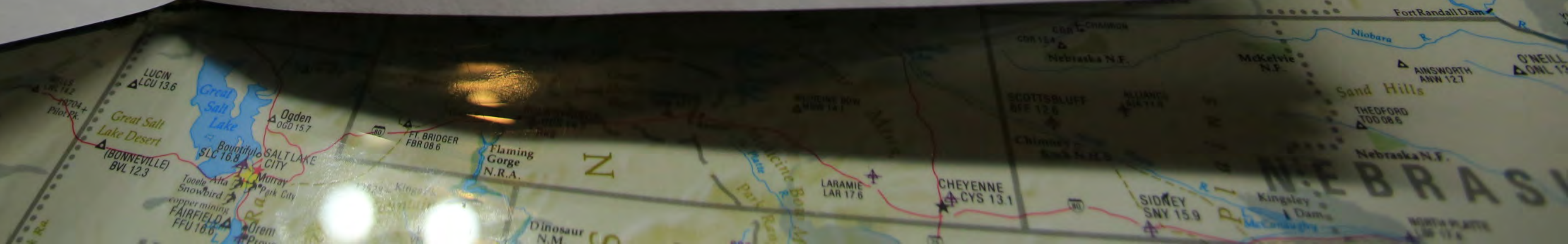
DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE
2011			
11 02	3016.7		
11/27/11	3027.4		3027.4
2/24/12	3049.4		3049.4

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.)

New BATTERY GL 35 John Whitney

N177EJ C-177B - Sn 17701626
 Removed cowl for replacement of voltage regulator with
 new VR600, Pn 07-00884 by Hartzell Eng technology. See
 A/C files for paperwork. Added fuse to panel for JPI EDM
 700 engine analyzer with 3/4Amp fuse. Aircraft returned to
 service on this date. 11/27/11
 Hugh J. Stoops *[Signature]* 2815791AP/IA
 Tach Time 3027.4
 Total Time 3027.4

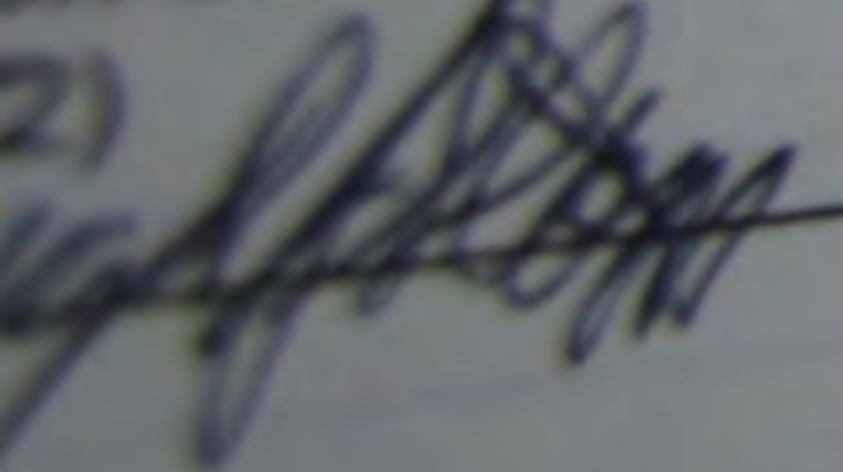
N177EJ C-177B - Sn 17701626 Tach 3049.4
Lycoming - O360-A1F6 - Sn L-15686-36A
Hartzell - HC-C3YR-1RF/F7282 Sn DY4505A Date 2/24/12
 Removed avionics master relay for replacement. Installed
 new relay pn 9705-006101 in same location behind panel on
 side of map box. Reinstalled panel and tested with no
 defects. Aircraft returned to service on this date. 2/24/12
 Hugh J. Stoops *[Signature]* 2815791AP/IA
 Tach Time 3049.4
 Total Time 3049.4



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 - Sn 17701626 Tach 3086.0
 2-A1F6 - Sn L-15686-36A
 YR-1RF/F7282 Sn DY4505A Date 6/11/12

and all inspection plates for annual
 and exhaust inspected with no defects.
 and pulleys, inspected for integrity. Cowling
 test ran with no defects. All controls
 tested per FAR 91.207 Appendix d. ELT
 New due date is 6/2018. Bracket air filter
 (BA 5705). Flap motor jackscrew and flap
 Cessna service manual. Gascolater
 pads installed (66-30 Rapco). No new
 cted this airframe in accordance and
 er AC 43.13, para D, and find it to be in an
 on this date. Aircraft returned to service

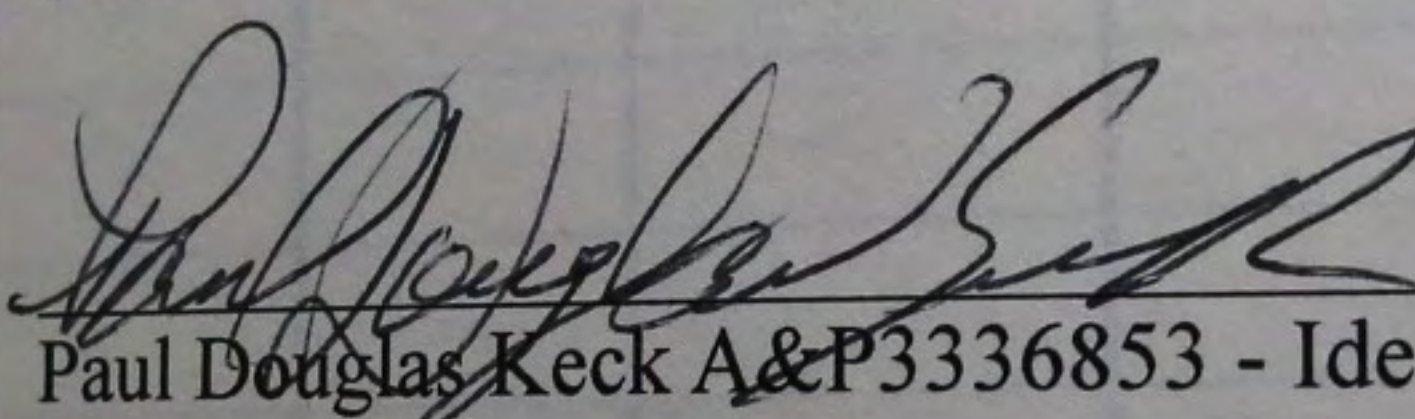
2)  2815791AP/IA

DATE	RECORDING TACH TIME	TODAYS 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.)
19				

N# 177EJ

Tach 91.7 03091.7

Installed SK210174B, in accordance with supplied instructions, dated
 June 15, 2010



Paul Douglas Keck A&P3336853 - Ideal Aviation 06/13/2012

B - Sn 17701626 Tach 3170.0
 Q-A1F6 - Sn L-15686-36A
 3YR-1RF/F7282 Sn D

2815791AP/IA

[illegible]

FLIGHT: 0

Aircraft Total Time: 0

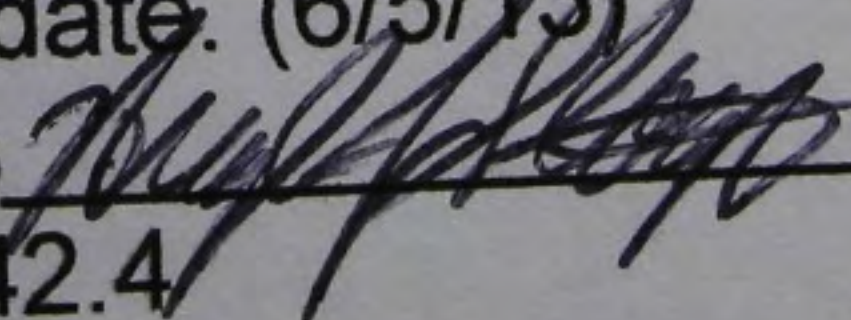
TACH: ~~240.8~~ 3211

HOBBS:

Removed transponder, Removed tray. Inspected tray connector. No defects at pins or sockets. Cleaned connector pins and plugs. Installed support bracket on transponder radio tray. Rerouted transponder wire harness secured wire harness. Mounted connector to tray and tray to instrument panel. Installed transponder. Power run after engine warm up. Cycled engine and propeller to full power five times could not duplicate issue. Operational check good at this time.

Ryan Waller A&P 3661560 [Signature] 5/16/2013

© 1992 ASA

DATE	RECORDING TACH TIME	TODAYS 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.)
6-5	3242.4		3242.4	<u>N177EJ C-177B - Sn 17701626 Tach 3242.4</u> <u>Lycoming - O360-A1F6 - Sn L-15686-36A</u> <u>Hartzell - HC-C3YR-1RF/F7282 Sn DY4505A Date 6/5/12</u> Removed cowlings and all inspection plates for annual inspection. Muffler and exhaust inspected with no defects. All controls, cables, pulleys, inspected for integrity. Cowling re-installed. Engine test ran with no defects. All controls lubed. ELT inspected per FAR 91.207 Appendix d. ELT battery due date is 6/2018. Bracket air filter replaced with new (BA 5705). Flap motor jackscrew and flap tracks greased per Cessna service manual. Gascolater cleaned/drained. No new A.D.s. All recurring AD's CW. See compliance list. I have inspected this airframe in accordance and annual inspection per AC 43.13, para D, and find it to be in an airworthy condition on this date. Aircraft returned to service on this date. (6/5/13) Hugh J. Stoops  2815791AP/IA Tach Time 3242.4 Total Time 3242.4

N177EJ Cessna 177B
replaced pilots outboard
installed (Owner supplied)
number 182-177 we
cowl to match aircraft
Academy Blue U127
needed.

Paul Douglas Keck

and Alterations
Certificate Number of
other specific entries.)

242.4

05A Date 6/5/12

or annual
with no defects.
egrity. Cowling
All controls
endix d. ELT
replaced with
lap tracks
olater
g AD's CW. See
ne in accordance
, and find it to be
ft returned to

AP/IA

FANCY PANTS 171
177-1001 & 177-1002
STC/STA

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.)

13 N177EJ

Midwest Aviation Services, Inc.

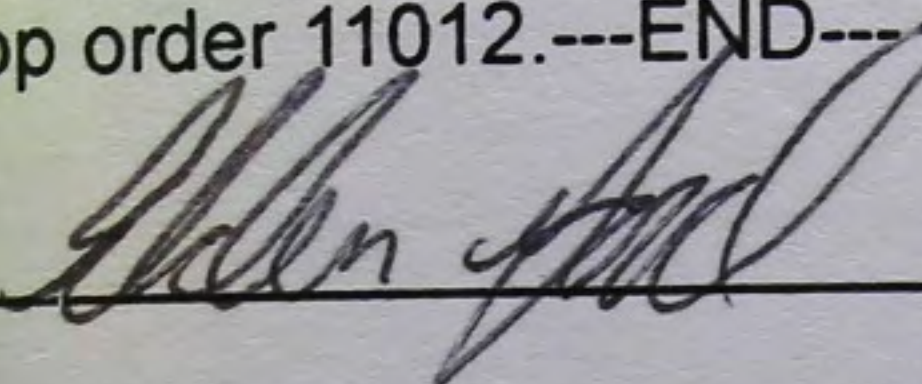
PO Box 219 (270)744-8686 Ph.
200 Hardy Roberts Dr. (270)744-3466 Fax
West Paducah, KY 42086 midwest-aviation.com

3281.7

Encoder P/N SSD-120-30A S/N A53568, and installed exchange P/N
A42198. Ground checked, system functioning properly.

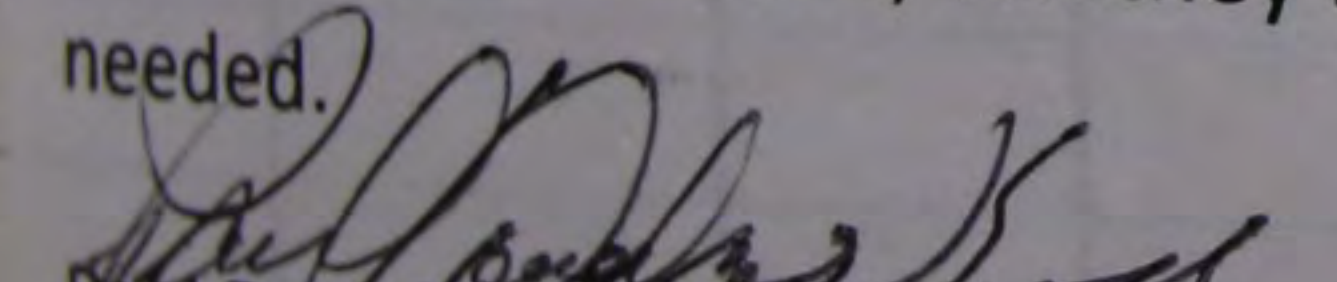
Work was performed in accordance with current regulations of the Federal
Aviation Administration and is approved for return to service. Details are on file at this repair
shop order 11012.---END---

SIGNATURE



for CRS MW8R657W

N177EJ Cessna 177B serial number 17701626 Tach time 3313.05. March 18, 2014. Removed and replaced pilots outboard seat rail. (Owner supplied) Part number 2011015-5 Removed wheel pants and installed (Owner supplied) Wheel pants as per Sobchuk drawing #PD-MGL182-177-1 and installed part number 182-177 weight and balance unchanged. Sanded, prepped, and painted wheel pants and upper cowl to match aircraft. Paint colors all were Two part epoxy primer, Jet glow Snow white 570-566, Academy Blue U12723, Whitney Red U12724. Checked weight and balance negligible. No change needed.


Paul Douglas Keck A&P 3336853.

ASA



701626 Tach 3300.2
- Sn L-15686-36A
F7282 Sn DY4505A Date 6/4/14
Inspection plates for annual
Exhaust inspected with

2815791AP/IA

Model # GT330 Serial # 84129442
Aircraft N 177ET Date: Dec 17 2014
Transponder system tested in accordance with part 43, Appendix
"F" & Appendix "E", Subpart (c) for compliance with FAR 91.413.
Signature: [Signature] Work Order # 8968
MUELLER AVIONICS, INC. CRS # QYVR044J

of Inspections, Tests, Repairs and Alterations
 Endorsed with Name, Rating and Certificate Number of
 Repair Facility. (See back pages for other specific entries.)

77b Sn 17701626 Tach 3403.0
 360-A1F6 - Sn L-15686-36A
 C3YR-1RF/F7282 Sn DY4505A Date 6/3/2015

ling and inspection plates for annual inspection.
 Exhaust checked with no defects. All controls,
 inspected for integrity. All controls lubed.
 es and found pilot side caliper O-ring leaking.
 new. Pads OK. Tires inflated to 32psi. Aircraft
 d and ELT inspected per FAR 91.207, appd d.
 /2018. Brackett air filter replaced with new. Flap
 w and flap tracks lubed per Cessna service manual.
 ned/drained. No new AD's. All recurring AD's
 pected this airframe in accordance and annual
 his date. Aircraft returned to service this date.

[Signature] 2815791AP/IA

3.0
 3.0

DATE	RECORDING TACH TIME	TODAYS 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.)
------	---------------------------	------------------	-----------------------------	---

MAKE: Cessna
 MODEL: 177b
 S/N: 17701626
 REG. NO: N177EJ
 WORK ORDER: 5249

[Ideal Aviation Logo] **Ideal Aviation**
 2100 Vector Dr.
 Cahokia, IL 62206
 Phone: 618-337-5845

Airframe Entries

(1) Service nose strut in accordance with Cessna maintenance manual.

Maintenance Release

The aircraft and/or component(s) on N177EJ was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service with respect to work performed. Pertinent details of the repair are on file at this facility under Work Order No. 5249, Dated 10/7/2015.

DATE: 10/7/2015

SIGNED:

[Signature]
 Paul Douglas Keck, A&P: 3336858

DATE: 10/7/2015
 A/C TSN:
 TACH: 3437.1

Work Order: 5249

Printed by EBis 3 (datcomedia.com)

10/13

new shiny DANPWE LK 2008
SE 1088-1

© 1992 ASA

450.0

Christy

Chris Frey IA338588250

[illegible]

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

Lycoming - O-360-A1F6 - Sn L-15686-36A

Hartzell HC-C3YR-1RF/F7282 Sn DY4505A Date 6/16/2016

Removed cowling and inspection plates for annual inspection. Muffler and exhaust checked with no defects. All controls, cables, pulleys, inspected for integrity. All controls lubed. Checked brakes. Pads OK. Tires inflated to 32psi. Aircraft battery checked and ELT inspected per FAR 91.207, appd d. Batteries due 6/2018. Brackett air filter element replaced. Flap motor jackscrew and flap tracks lubed per Cessna service manual. Gascolator cleaned/draind. Aux fuel Pump filter checked. No new AD's. All recurring AD's CW. I have inspected this airframe in accordance and annual inspection on this date. Aircraft returned to service on 6/16/2015.

Hugh J. Stoops *Hugh J. Stoops* 2815791AP/IA

Tach Time 3506.2

Total Time 3506.2

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

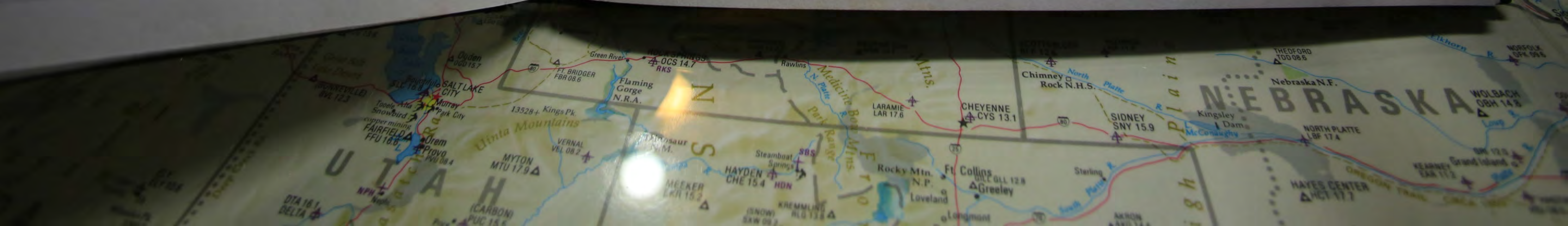
8412944-7
 N177EJ
 Under system tested in accordance with part 43, Appendix
 Appendix "E", Subpart (c) for compliance with FAR 91.413.
 Work Order # 9955
 CRS # QYVR044J
 ALER AVIONICS, INC.

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
------	---------------------------	------------------	-----------------------------	--

19 N177EJ C-177B S/N 17701626 TACH. 3,599.4 DATE JULY 19, 2017.

COMPLETED AN ANNUAL INSPECTION PER THE SCOPE AND DETAILS OF FAR 43 APPENDIX D, INSTALLED 4 EA. NEW BRAKE PADS P/N RA66-105, INSTALLED NEW AAD9-14-5 AND B3-5-1 AIR FILTERS, INSTALLED 4 EA. NEW STATIC WICKS P/N C592001-0201, TREATED WINGS AND TAIL SECTION WITH CORROSION X, CHECKED ELT OPERATION PER FAR 91.207(d) OPERATION NORMAL, ELT BATTERY EXP. DATE IS JUNE 2018, C/W AD 2011-10-09 PARAGRAPH (g)(1) THRU (g)(10) SEAT RAIL AND LOCKING MECHANISM, C/W AD 76-07-12R1 PARAGRAPH 1 (a)(b)(c) BENDIX SWITCHES, C/W AD 72-03-03R3 PARAGRAPH C (note 2) FLAP ACTUATOR, REMOVED FANCY PANTS NOSE GEAR SPEED FAIRING STC SA516NE, SEE FAA FORM 337 DATED 7-19-2017, I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.

SHAY EVERETT A/P34210201/A *Shay Everett*
 AFTT 3,599.4
 ENG. TSNEW 3,599.4 ENG. TSMOH 1,557.4



n of Inspections, Tests, Repairs and Alterations
e endorsed with Name, Rating and Certificate Number of
Repair Facility. (See back pages for other specific entries.)

Midwest Aviation Services, Inc.
PO Box 219
200 Hardy Roberts Dr. (270)744-8686 Ph.
West Paducah, KY 42086 (270)744-3466 Fax
midwest-aviation.com

S/N 84129442 to Garmin to be upgraded with extended

accordance with STC Number SA01714WI dated 3/8/2016,
-10 Revision 8 and MDL P/N 005-00734-04 Revision 9.

55-60 S/N 84129442.
out procedure.

accordance with current regulations of the Federal Aviation
return to service. Details are on file at this repair station

for CRS MW8R657W

END

DATE	RECORDING TACH TIME	TODAYS 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.)
19				

I certify that the transponder tests required by FAR 91.413 and AC
43-6C have been performed and found to be satisfactory. Transponder
Make: Garmin Model: GTX330ES S/N: 84129442.

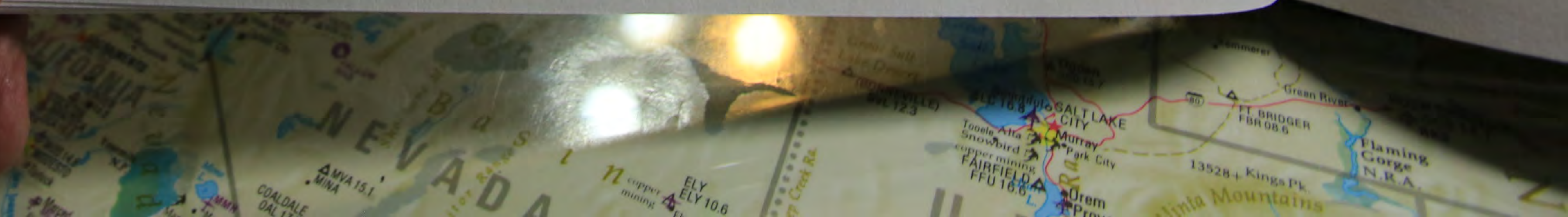
Signature *[Signature]* Date: 8/8/2017.

Midwest Aviation Services, Inc. P.O. Box 219 Barkley Field
200 Hardy Roberts Drive West Paducah, KY 42086
FAA Certified Repair Station MW8R657W

DATE 2018 19	RECORDING TACH TIME	TODAYS 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.)
5-1				new P BATTiers in ELT (8)
2018 5/23	3684.8			<u>N177EJ C-177b Sn 17701626 Tach 3684.4</u> <u>Lycoming - O-360-A1F6 - Sn L-15686-36A</u> <u>Hartzell HC-C3YR-1RF/F7282 Sn DY4505A Date 5/23/2018</u> Removed cowling for checking of alternator due to not charging. Alternator removed for replacement. Replaced with new Plane Power unit from Aero Performance (pn AL12-F60 - sn H-S040331) Brackett connecting alternator to case found to be broken and this was replaced also (pn 07-03132). Wiring checked and two new terminals installed on ground. Ground run checked and showing 13.8V after installation. Reinstalled cowling. Aircraft returned to service on 5/23/2018. Hugh J. Stoops <i>Hugh J. Stoops</i> 2815791AP/IA Tach Time 3684.8 Total Time 3684.8

DATE 19	RECORDING TACH TIME
	N177EJ
	COMPL
	FAR 43
	OPERA
	DATE 1
	RAIL A
	(a)(b)(c)
	FLAP A
	INSPEC
	DETER
	SHAY
	AFTT
	ENG.
	PROP

ASA



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.)

TTiers 1W ELT (8)

Sn 17701626 Tach 3684.4

AIF6 - Sn L-15686-36A

IRF/E7282 Sn DY4505A Date 5/23/2018

for checking of alternator due to not charging.
 for replacement. Replaced with new Plane
 Performance (pn AL12-F60 - sn H-S040331)
 alternator to case found to be broken and this
 (sn 07-03132). Wiring checked and two
 ed on ground. Ground run checked and showing
 on. Reinstalled cowling. Aircraft returned to

[Signature] 2815791AP/IA

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

N177EJ C-177B S/N 17701626 TACH. 3,691.1 DATE JULY 02, 2018.

COMPLETED AN ANNUAL INSPECTION PER THE SCOPE AND DETAILS OF FAR 43 APPENDIX D, INSTALLED B3-5-1 AIR FILTERS, CHECKED ELT OPERATION PER FAR 91.207(d) OPERATION NORMAL, ELT BATTERY EXP. DATE 12-2026, C/W AD 2011-10-09 PARAGRAPH (g)(1) THRU (g)(10) SEAT RAIL AND LOCKING MECHANISM, C/W AD 76-07-12R1 PARAGRAPH 1 (a)(b)(c) BENDIX SWITCHES, C/W AD 72-03-03R3 PARAGRAPH C (note 2) FLAP ACTUATOR, I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.

SHAY EVERETT A/P34210201/A

[Signature]

AFTT 3,691.1
 ENG. TSNEW 3,691.1 ENG. TSMOH 1,649.1
 PROP TSNEW 1,868.6 PROP TSMOH 1,868.6

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

N177EJ C-177B S/N 17701626 TACH. 3,813.0 DATE AUGUST 13, 2019.

COMPLETED AN ANNUAL INSPECTION PER THE SCOPE AND DETAILS OF FAR 43 APPENDIX D, INSTALLED B3-5-1 AND RA-D9-14-5 AIR FILTERS, CHECKED ELT OPERATION PER FAR 91.207(d) OPERATION NORMAL, ELT BATTERY EXP. DATE 12-2026, INSTALLED 2 ea. NEW COWL SHOCK MOUNTS P/N J-7444, C/W AD 2011-10-09 PARAGRAPH (g)(1) THRU (g)(10) SEAT RAIL AND LOCKING MECHANISM, C/W AD 76-07-12R1 PARAGRAPH 1 (a)(b)(c) BENDIX SWITCHES, C/W AD 72-03-03R3 PARAGRAPH C (note 2) FLAP ACTUATOR, SEL-57-07 CARRY-THRU SPAR INSPECTION NOT DUE AT THIS TIME, AIRCRAFT IS FLOWN IN TYPICAL USAGE, I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.

SHAY EVERETT A/P34210201/A

Shy R. H. 8-13-2019

AFTT 3,813.0

ENG. TSNEW 3,813.0 ENG. TSMOH 1,771.0

PROP TSNEW 1,990.5 PROP TSMOH 1,990.5

DATE

19

*Oct
14
2019*

ts, Repairs and Alterations

ating and Certificate Number of
pages for other specific entries.)

13, 2019.

ND DETAILS OF
AIR FILTERS,
NORMAL, ELT
SHOCK
THRU (g)(10)
I PARAGRAPH 1
GH C (note 2)
ON NOT DUE AT
RTIFY THAT
WITH AN
AN AIRWORTHY

-13-2019

DATE	RECORDING TACH TIME	TODAYS 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.)
19				

Oct
14
2019

Model # GTX330ES Serial # 84129442
Aircraft N 177EJ Date: Oct 14 2019
Transponder system tested in accordance with part 43, Appendix
"F" & Appendix "E" Subpart (c) for compliance with FAR 91.413.
Signature: [Signature] Work Order # 10895
MUELLER AVIONICS, INC. CRS # QYVR044J

DATE	RECORDING TACH TIME	TODAYS 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.)
19				

N177EJ C-177B S/N 17701626 TACH. 3,888.0 DATE AUGUST 7, 2020.

COMPLETED AN ANNUAL INSPECTION PER THE SCOPE AND DETAILS OF FAR 43 APPENDIX D, INSTALLED B3-5-1 AND RA-D9-14-5 AIR FILTERS, INSTALLED 4 ea. NEW BRAKE LININGS P/N 066-10500, CHECKED ELT OPERATION PER FAR 91.207(d) OPERATION NORMAL, ELT BATTERY EXP. DATE 12-2026, C/W AD 2011-10-09 PARAGRAPH (g)(1) THRU (g)(10) SEAT RAIL AND LOCKING MECHANISM, C/W AD 76-07-12R1 PARAGRAPH 1 (a)(b)(c) BENDIX SWITCHES, C/W AD 72-03-03R3 PARAGRAPH C (note 2) FLAP ACTUATOR, SEL-57-07 CARRY-THRU SPAR INSPECTION NOT DUE AT THIS TIME, AIRCRAFT IS FLOWN IN TYPICAL USAGE, I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.

SHAY EVERETT A/P34210201/A

Shay Everett 8-7-2020

AFTT 3,888.0

ENG. TSNEW 3,888.0 ENG. TSMOH 1,846.0

PROP TSNEW 2,065.5 PROP TSMOH 2,065.5

Inspections, Tests, Repairs and Alterations

Recorded with Name, Rating and Certificate Number of
Facility. (See back pages for other specific entries.)

DATE AUGUST 7, 2020.

THE SCOPE AND DETAILS OF
RA-D9-14-5 AIR FILTERS,
5-10500, CHECKED ELT
ORMAL, ELT BATTERY EXP.
H (g)(1) THRU (g)(10) SEAT
-07-12R1 PARAGRAPH 1
3 PARAGRAPH C (note 2)
AR INSPECTION NOT DUE AT
USAGE, I CERTIFY THAT
CCORDANCE WITH AN
ED TO BE IN AN AIRWORTHY

8-7-2020

DATE	RECORDING TACH TIME	TODAY FLIGHT
19		

N177EJ 17

REMOVED
INSTALLED
OVERHAUL
2020.

SHAY EVERETT A/P3421020IA

8/7/2020 3943.0

A/C No.

Telephone

618-635-3552

Customer

Address

Received

Estimated Ship Date

Central Air Parts, Inc.
3185 Willhoit Airport Rd
1/29/20
Via UPS



BUTLER
AVIONICS INC.

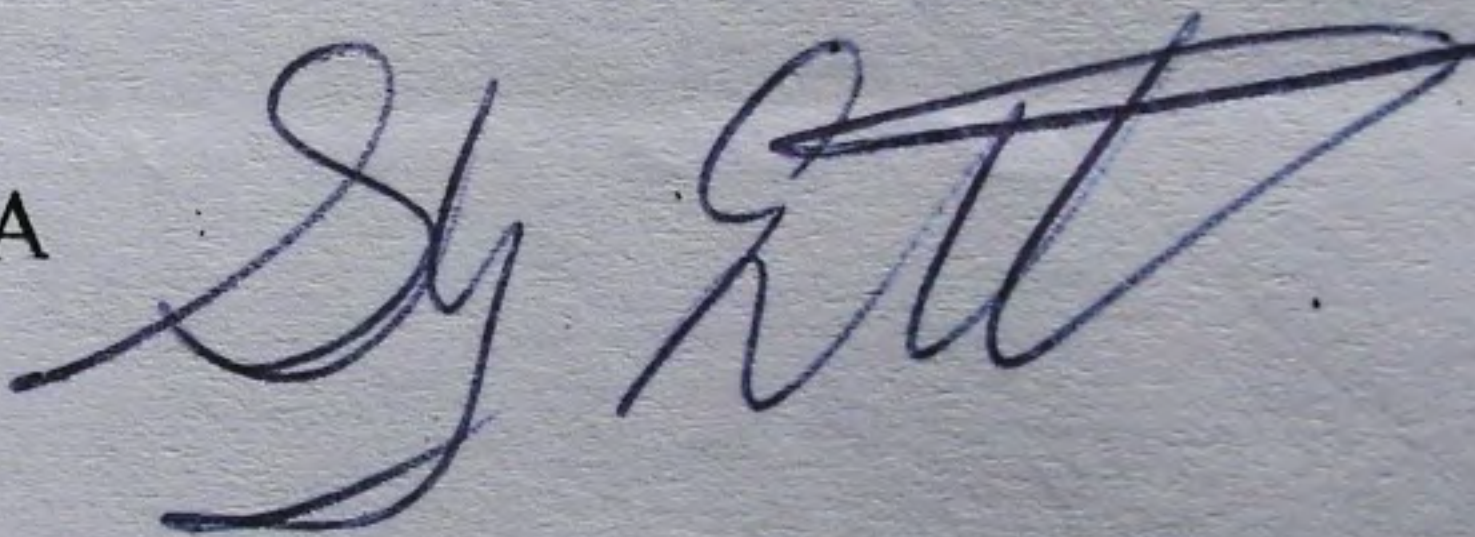
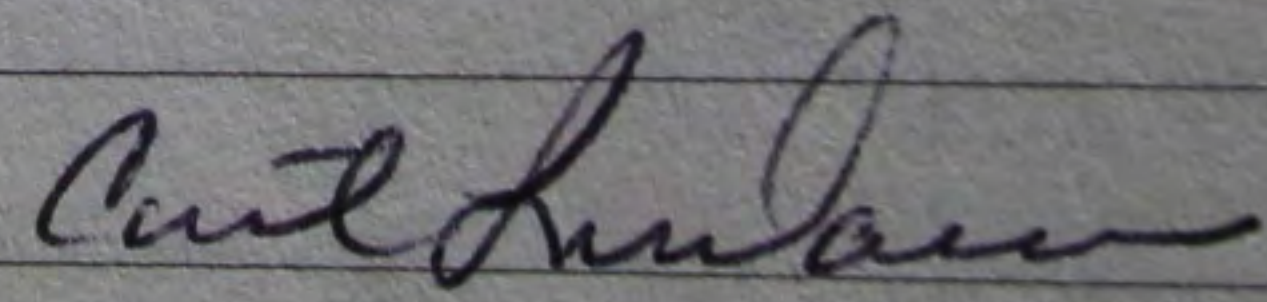
Phone

Alterations

Number of
specific entries.)

Replaced Vacuum pump. Installed
Tempest pump. Ops checked good.

Ant Luman 3067256

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Range Number of Operations Entries must be endorsed with Name, Rating and Technician or Repair Facility. (See back pages for other specific entries.)
N177EJ 177B S/N 17701626 TACH. 3,935.2 DATE DECEMBER 18, 2020. REMOVED INOP ARTIFICIAL HORIZON MODEL 5000B-36 S/N T87669N, INSTALLED ARTIFICIAL HORIZON MODEL 5000B-36 S/N T51349J OVERHAULED BY BUTLER AVIONICS WORK ORDER MI30190, DATED 2-5- 2020. SHAY EVERETT A/P34210201A 				
12/30/2020	3943.0			Replaced Vacuum pump. Installed Tempest pump. Ops checked good.  3067256

DATE	RECORDING TACH TIME	TODAYS 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.)
------	---------------------	---------------	-----------------------	--

03-14-2021
TACH 3954.3

SERVICE NOSE STRUT WITH 5606 HYD FLUID & NITROGEN TO SPECS. INSTALL NEW OIL SEAL IN VACUUM PUMP DRIVE & REINSTALL PUMP DRIVE VACUUM PUMP USING ALL NEW GASKETS & HARDWARE
Thomas W. Neumann
TOWNSHIP OF HILLMAN APP 2111007

April
16
2021

Model # 644330 Serial # 84129442
Aircraft N 177EV Date: April 16 2021
Transponder system tested in accordance with part 43, Appendix "F" & Appendix "E", Subpart (c) for compliance with FAR 91.413.
Signature: [Signature] Work Order # 11412
MUELLER ELECTRONICS, INC. CRS # QYVR044J

DATE	RECORDING TACH	TODAYS FLIGHT
------	----------------	---------------

06-11-2021
TACH 3983.7

N117EJ S/N 1770
REMOVED DEF
SERVICEABLE
SATISFACTORY
SHAY EVERETT

Tests, Repairs and Alterations
e, Rating and Certificate Number of
back pages for other specific entries.)

5606 HYD FLUID &
NEW OIL SEAL IN
PUMP DRIVE TUBE
AS & HARDWARE
W. W. W. W.
H. H. H. H. 2/11/07

84129442
 11/16/2001
 e with part 43, Appendix
 pliance with FAR 91.413.
 Order # 11412
 CRS # QYVR044J

DATE	RECORDING TACH	TODAYS FLIGHT	TOTAL TIME IN	Description of Inspections, Tests, Repairs and Alterations
19				N117EJ S/N 17701626 TACH. 3,974.8 DATE MAY 14, 2021. REMOVED DEFECTIVE BREAKER P/N W58-XC4C12A-10, INSTALLED SERVICEABLE USED BREAKER P/N W58-XC4C12A-10, FUNCTIONAL CHECK SATISFACTORY. SHAY EVERETT A/P34210201A
06-17-2021	TACH 3983.7 HRS.			INSPECT FLAP SYSTEM FOR NON OPERATING FLAP FOUND DEFECTIVE UP LIMIT MICRO SWITCH REPAIR SWITCH WITH USED SERVICEABLE SWITCH, CHECK FLAP FOR PROPER OPERATION NO DEFECTS NOTED OK FOR RETURN TO SERVICE. THOMAS W. DAHLMANN THOMAS W. DAHLMANN AIP 211/007

Inspections, Tests, Repairs and Alterations

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

AR 91.207 PAR "O" ALL
 SE BATTERIES INSTALLED & EA.
 153 GOOD UNTILL 03-31-2031
 TRAILS & ROLLERS INSPECTED
 W-ABAW 13p 08-31-2022
 1707 OPS CHECK ALL CHECKS

BRACKETT AIR FILTER ELEMENT

T THIS AIRCRAFT HAS BEEN
 CONFORMANCE WITH AN
 TIME AND HAS BEEN DETELED
 WORKING CONDITION
 L. HANSEN. HANSEN
 THOMAS. SAHLMAN
 1A2111007

DATE	RECORDING TACH TIME	TODAYS 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.)
09/11/21	4013.0			Replaced flap down switch PN #1906-1. Repaired broken CC2 wire in flap control system. Carl Hansen 3067256 AP

N177EJ C-177B S/N 17701626 TACH. 4, 025.4 DATE OCTOBER 16, 2021.

TROUBLE SHOOT FUEL FLOW INDICATOR, REPAIR WIRE AS NECESSARY,
 INDICATOR OPS CHECK NORMAL.

SHAY EVERETT A/P34210201A

[Signature]

DATE 19____	RECORDING TACH TIME	TODAYS 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.)
----------------	---------------------------	------------------	-----------------------------	---

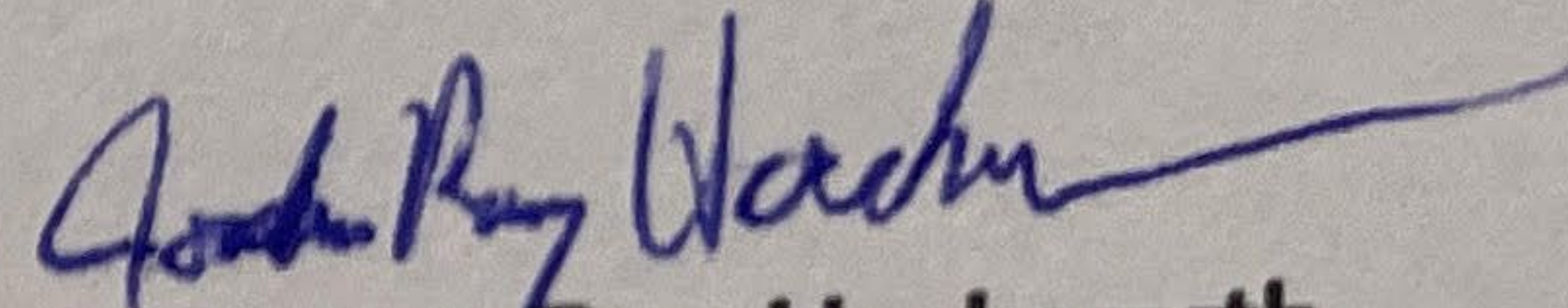

SRT AVIATION, INC
 Mount Vernon, Illinois - MVN
 N177EJ

Airframe Cessna
 Model - 177B
 Tach - 04076.1

March 21, 2022
 SN -17701626

Unscheduled Maintenance

- Serviced NLG strut with hydraulic fluid and Nitrogen in accordance with Cessna 177 Service Manual Section II and Figure 1-1.
- Lubricated and exercised Propeller control to improve operation. No further defects noted at this time.
- Troubleshoot flap control system. Owner states limit switches and control were recently replaced and rigged. Installed new bushing part number NAS75-3-004, clamp part number S2323-4, and spacer part number NAS43HT4-13 to flap follow-up control in LG wing. Run new wire part number S-1398-1 between wing and control for indicator and limit switch control. Checked rigging and operation. No further actions taken.
- Spar carry-through was accessed from back side at owner's request and visually inspected. Advised owner. No further actions taken.


Joshua Roy Hackworth
 AP# 3298832

FOR INDUSTRIAL USE ONLY
by professional, trained
painters. Not for sale to or
use by the general public.

DUPONT®

IMRON®

POLYURETHANE ENAMEL

PROFESSIONALLY MIXED FROM DUPONT COMPONENTS

AN OEM/FLEET PAINT PRODUCT

63203 X H

Alt: 1

IMRON 5.0 VOC

Car: AIRCRAFT REFINISHERS

Code:

Year:

Color: BLUE

Customer: WALK-IN

MIX YIELDS 3/4 CAN (EXCEPT FULL GAL)

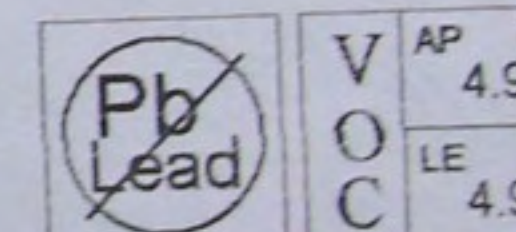
ADD ACTIVATOR ONLY WHEN READY TO SPRAY

ALT 2 MATCHES CHIP IN M-3699 FLEET SELECTOR BOOK

MIXED BY: COLORMASTER AUTOMOTIVE PAINT INC 08/18/2008

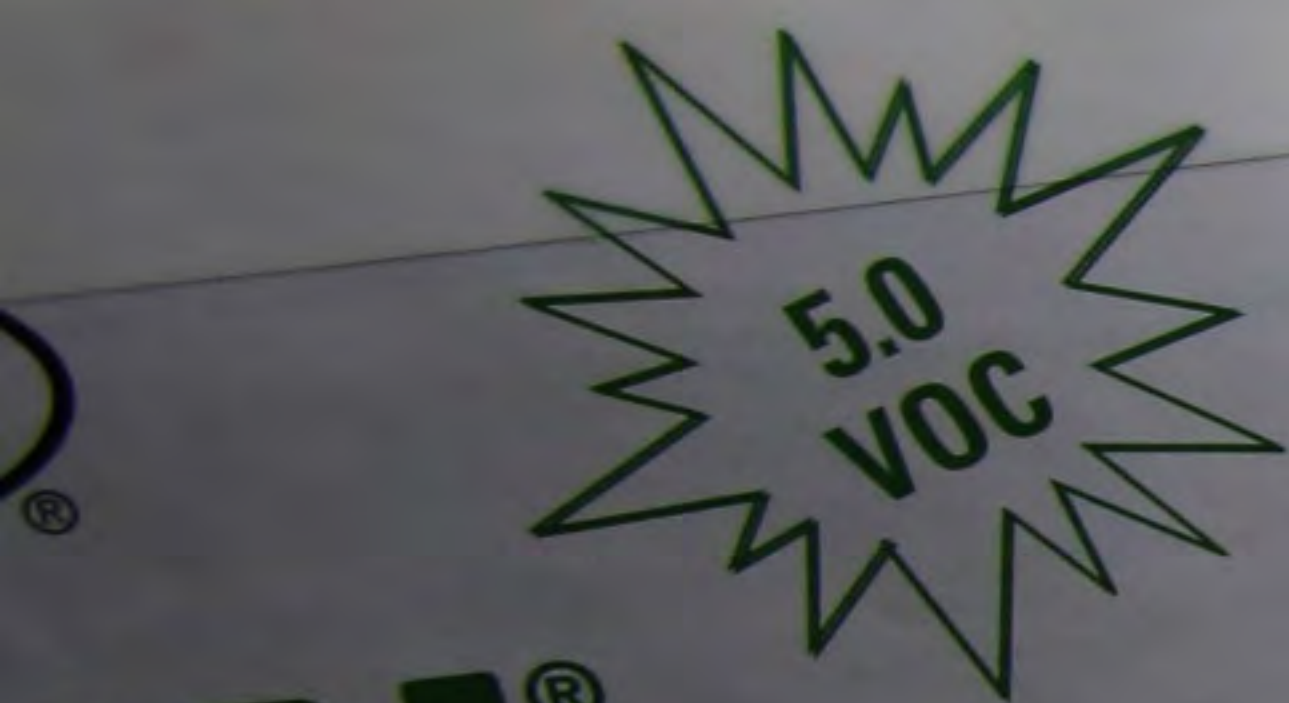
CAUSE PERMANENT LUNG INJURY AND ALLERGIC RESPIRATORY REACTIONS.

(Follow warnings on back panel.)



V	AP
O	586
C	LE
g/L	586

V	AP
O	4.9
C	LE
	4.9



AN[®]
ANE ENAMEL
DUPONT COMPONENTS
PAINT PRODUCT
IMRON 5.0 VOC

Pb	AP
Lead	4.9
V	OC
AP	4.9
OC	LE
LE	586
R/L	586

TO SPRAY
SELECTOR BOOK
TOMOTIVE PAINT INC 08/18/2008
D ALLERGIC RESPIRATORY REACTIONS.
arnings on back panel.)

ITEM: 24 PN: 9705-006-101 QTY: 1
ORDER: 3174584N/LOT: N/A DESC: RELAY U/M: EA



1. Approving National Aviation Authority / Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: 3174584		
4. Organization Name and Address: Cessna Aircraft Company (PC4) Cessna Parts Distribution Dept. 702 5800 E Pawnee, Wichita, KS 67218				5. Work Order/Contract/Invoice Number: 1118869		
6. Item:	7. Description:	8. Part Number:	9. Eligibility:	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
24	RELAY	9705-006-101	N/A	1	N/A	New
13. Remarks: AIRWORTHINESS APPROVAL - PARTS. THIS FORM IS NOT AN EXPORT APPROVAL. PO# A11-07838						
14. Certifies the items identified above were manufactured in conformity to: ☒ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 13.			19. ☐ 14 CFR 43.9 Return to Service ☐ Other regulation specified in block 13 Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
15. Authorized Signature: <i>Kenneth F. Wysocki Sr.</i>		16. Approval/Authorization No.: ODA-100129-CE		20. Authorized Signature:		21. Approval/Certificate No.:
17. Name (Typed or Printed): KENNETH F. WYSOCKI SR.		18. Date (m/d/y): JUL/22/2011		22. Name (Typed or Printed):		23. Date (m/d/y):
User/Installer Responsibilities It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1. Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown. FAA Form 8130-3 (6-01) * Installer must cross-check eligibility with applicable technical data. NSN: 0052-00-012-9005						

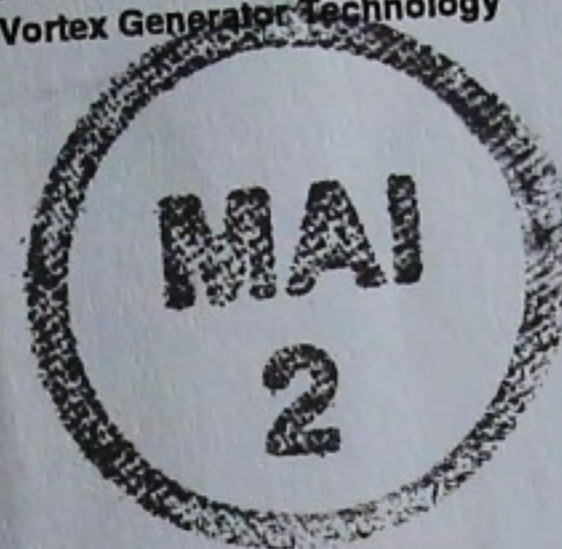
arnings on back panel.)

arnings on back panel.)

arnings on back panel.)



Micro VGs



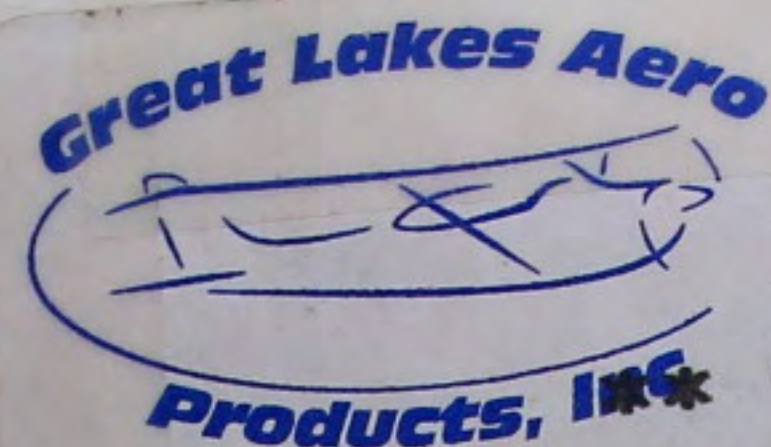
Part #1002

(20 Vortex Generators)

Cessna 177

- ☒ Alodine
☐ Paint: _____

Gs



MANUFACTURED BY: **GREAT LAKES AERO PRODUCTS, INC.**
FLINT, MI
U.S.A.

DO NOT LOOSE THIS TAG - IT CAN NOT BE REPLACED!!!

ITEM: DOOR WINDOW - WITH ASSEMBLED VENT-LH (CLEAR)
PART NUMBER: **W-2411-LH**
AIRCRAFT MAKE AND MODEL: CESSNA 177, 177A, 177B, 177RG
REINS AVIATION S.A. F177RG



SERIAL NUMBERS: ALL

2473.8

MANUFACTURE DATE: 10-31-2007 MANUFACTURE CODE: **1129761**
FOR CONTINUED AIRWORTHINESS SEE AIRCRAFT P.O.H. OR SERVICE MANUAL

(810) 235-1402 915 Kearsley Park Blvd, Flint, MI 48503 www.glapinc.com





OIL REPORT

UNIT: MAKE/MODEL: Lycoming O-360-A1F6
FUEL TYPE: Gasoline (Leaded)
ADDITIONAL INFO: Oil Screen

CLIENT: JOHN WHITNEY
3 KEENLAND PLACE
BELLEVILLE, IL 62223

LAB NUMBER: E71986
REPORT DATE: 9/22/2011
CODE: 1475

UNIT ID: N177EJ
CLIENT ID: 1725
PAYMENT: CC/MC

COMMENTS: JOHN: High chrome and silicon were the only unusual findings in the chrome indicates piston ring wear, and since aluminum and iron are other steel parts also. Silicon might be the cause of the wear if it shows induction/filtration system for problems and make sure the air filter is clean and change it, and check back in 35-40 hours to me.

UNIT LOCATION AVERAGES	09/19/11	09/09/11	09/02/11
MI/HR on Oil	43	850	850
MI/HR on Unit	851	3	3
Sample Date	09/19/11	09/09/11	09/02/11
Make Up Oil Added	4 qts	3 qts	3 qts
ALUMINUM	10	5	20
CHROMIUM	7	34	6
IRON	45	5	3306
COPPER	9	2	1
LEAD	4090	0	0
MOLYBDENUM	2	0	0
NICKEL	0	0	0
MANGANESE	0	0	0
SILVER	0	0	0
TITANIUM	0	0	0
POTASSIUM	0	0	0
BORON	0	0	0
SODIUM	0	0	0
CALCIUM	0	0	0
MAGNESIUM	0	0	0
PHOSPHORUS	0	0	0
ZINC	0	0	0
BARIUM	0	0	0

PROPERTIES	Values	Should Be*
SUS Viscosity @ 210°F	95.7	82-105
cSt Viscosity @ 100°C	19.34	16.0-21.8
Flashpoint in °F	480	>440
Fuel %	<0.5	<1.0
Antifreeze %	0.0	<0.1
Water %	0.4	<0.6
Insolubles %		
TBN		
TAN		
ISO Code		

416 E. PETTIT AVE. FORT WAYNE, IN 46806 (260) 744-2380

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE



UNIT: MAKE/MODEL: Lycoming O-360-A1F6
FUEL TYPE: Gasoline (Leaded)
ADDITIONAL INFO: Oil Screen

CLIENT: JOHN WHITNEY
3 KEENLAND PLACE
BELLEVILLE, IL 62223

COMMENTS: JOHN: Unfortunately, we found a stuck valve problem back then. We've increased a bit too. We've temperatures (for example) could be reading high. Note the low vis temps are good, & the engine's

UNIT LOCATION AVERAGES	05/03/13	05/03/13
MI/HR on Oil	25	1,200
MI/HR on Unit	1,200	2 qts
Sample Date	05/03/13	05/03/13
Make Up Oil Added	2 qts	2 qts
ALUMINUM	8	8
CHROMIUM	44	44
IRON	347	347
COPPER		
LEAD		
MOLYBDENUM		
NICKEL		
MANGANESE		
SILVER		
TITANIUM		
POTASSIUM		
BORON		
SODIUM		
CALCIUM		
MAGNESIUM		
PHOSPHORUS		
ZINC		
BARIUM		

PROPERTIES	Values	Should Be*
SUS Viscosity @ 210°F		
cSt Viscosity @ 100°C		
Flashpoint in °F		
Fuel %		
Antifreeze %		
Water %		
Insolubles %		
TBN		
TAN		
ISO Code		

416 E. PETTIT AVE. FORT WAYNE, IN 46806 (260) 744-2380

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

INVOICE

WORK BILLED TO:
ACCOUNTS PAYABLE
JOHN WHITNEY
3 KEENLAND PLACE
BELLEVILLE, IL 62223

DATE	Oil / Units
6/11/2013	Oil / Units



UNIT: MAKE/MODEL: Lycoming O-360-A1F6
FUEL TYPE: Gasoline (Leaded)
ADDITIONAL INFO: Oil Screen

CLIENT: JOHN WHITNEY
3 KEENLAND PLACE
BELLEVILLE, IL 62223

COMMENTS: JOHN: We're still not sure why this latest report. Iron is still a problem. It's lower than a per-hour basis. The viscosity we're not sure why, but it could cause it. Not bad, o

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	MI/HR on Unit	Sample Date	Make Up Oil Added
ALUMINUM				
CHROMIUM				
IRON				
COPPER				
LEAD				
TIN				
MOLYBDENUM				
NICKEL				
MANGANESE				
SILVER				
TITANIUM				
POTASSIUM				
BORON				
SODIUM				
CALCIUM				
MAGNESIUM				
PHOSPHORUS				
ZINC				
BARIUM				

PROPERTIES	Values	Should Be*
SUS Viscosity @ 210°F		
cSt Viscosity @ 100°C		
Flashpoint in °F		
Fuel %		
Antifreeze %		
Water %		
Insolubles %		
TBN		
TAN		
ISO Code		

416 E. PETTIT AVE. FORT WAYNE, IN 46806 (260) 744-2380

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE



LAB NUMBER: F76272
REPORT DATE: 9/30/2013

UNIT ID: N177EJ
CLIENT ID: 1725
PAYMENT: Verbal, John



OIL REPORT

UNIT: MAKE/MODEL: Lycoming O-360-A1F6
FUEL TYPE: Gasoline (Leaded)
ADDITIONAL INFO: Cessna Cardinal 177B, L-15686-36A

CLIENT: JOHN WHITNEY
3 KEENLAND PLACE
BELLEVILLE, IL 62223

LAB NUMBER: K78026
REPORT DATE: 12/13/2018
CODE: 14/37

UNIT ID: N177EJ
CLIENT ID: 1725
PAYMENT: Bulk CC

PHONE: (618) 235-4192
FAX: (618) 234-5065
ALT PHONE: (618) 531-0231
EMAIL: johnsrwhitney@gmail.com



OIL REPORT

UNIT: MAKE/MODEL: Lycoming O-360-A1F6
FUEL TYPE: Gasoline (Leaded)
ADDITIONAL INFO: Cessna Cardinal 177B, L-15686-36A

CLIENT: JOHN WHITNEY
3 KEENLAND PLACE
BELLEVILLE, IL 62223

LAB NUMBER: L19204
REPORT DATE: 5/16/2019
CODE: 14/32

UNIT ID: N177EJ
CLIENT ID: 1725
PAYMENT: Verbal, John

PHONE: (618) 235-4192
FAX: (618) 234-5065
ALT PHONE: (618) 531-0231
EMAIL: johnsrwhitney@gmail.com

COMMENTS: JOHN: The viscosity measured a little thin this time (that is, assuming you used a W100 oil again). Maybe you actually switched to W80 for the winter, or added some. Whatever the case, it's not really a big deal. The viscosity reading thin didn't seem to matter at all to your Cardinal. The wear numbers continue to look great, with everything holding more or less steady compared to what we've seen before. This interval was just a little shorter than normal, so maybe some mild improvements in metals would've been nice, but that's being awfully picky. This is a good report.

UNIT / LOCATION AVERAGES	56	43	41	48	28	UNIVERSAL AVERAGES
MI/HR on Oil	30	1,705	1,548	1,598	1,530	1,500
MI/HR on Unit	56	43	41	48	28	5 qts
Sample Date	5/14/2019	11/26/2018	6/20/2018	1/8/2018	3/24/2017	10/29/2016
Make Up Oil Added	4 qts	5 qts	5 qts	5 qts	5 qts	5 qts
ALUMINUM	6	5	6	6	6	5
CHROMIUM	7	4	6	6	6	4
IRON	41	35	40	40	42	11
COPPER	5	5	6	6	5	9
LEAD	4225	3106	4549	3948	4122	59
TIN	0	2	1	0	0	4
MOLYBDENUM	0	0	0	0	0	26
NICKEL	0	0	0	0	0	4
MANGANESE	2	1	0	0	0	3314
SILVER	0	0	0	0	0	1
TITANIUM	0	0	0	0	0	0
POTASSIUM	0	0	0	0	0	0
BORON	0	0	0	0	0	0
SODIUM	0	0	0	0	0	0
CALCIUM	5	5	4	2	0	1
MAGNESIUM	0	1	0	1	4	3
PHOSPHORUS	0	1	0	1	1	1
ZINC	23	390	25	18	0	31
BARIUM	4	10	5	6	8	1

PROPERTIES	Values	Should Be*
SUS Viscosity @ 210°F	74.3	86-105
cSt Viscosity @ 100°C	14.08	17.0-21.8
Flashpoint in °F	475	>460
Fuel %	<0.5	<1.0
Antifreeze %	-	<0.5
Water %	0.0	<0.1
Insolubles %	0.5	<0.6
TBN		
TAN		
ISO Code		

416 E. PETTIT AVE. FORT WAYNE, IN 46806 (260) 744-2380

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

©COPYRIGHT BLACKSTONE LABORATORIES 2019

www.blackstone-labs.com

LIABILITY LIMITED TO COST OF ANALYSIS