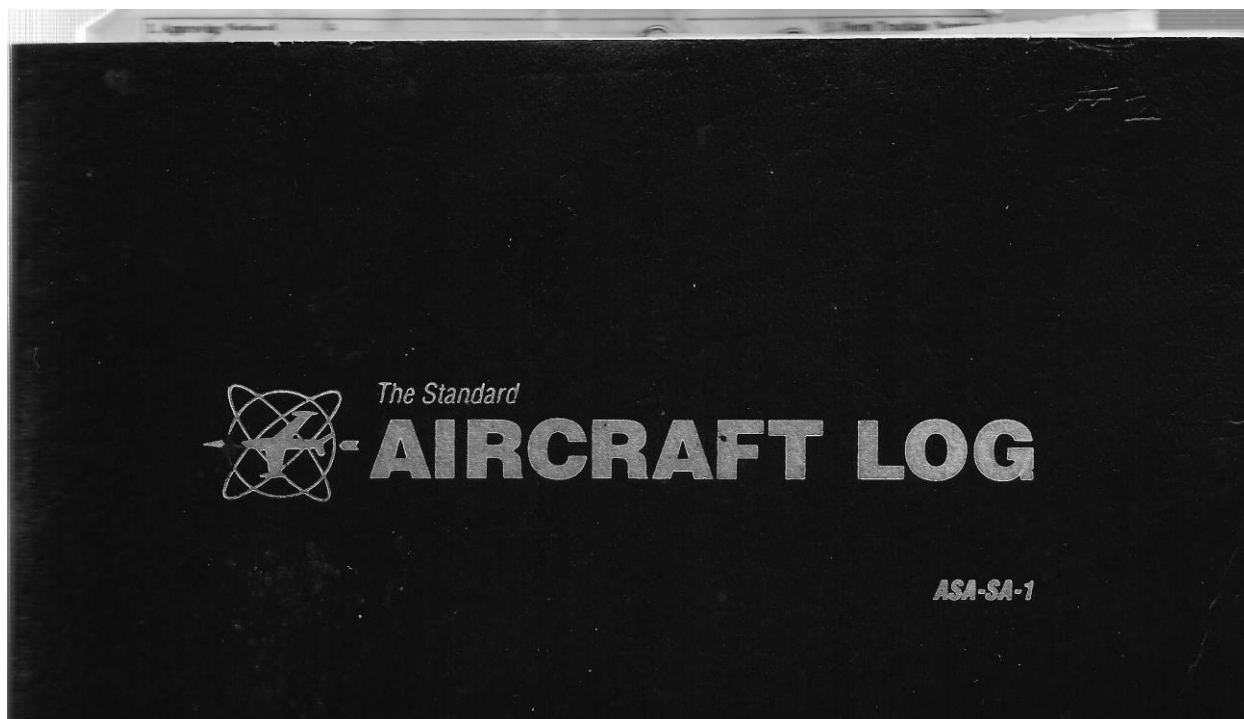


N18523

1977 Cessna Cardinal C177B

17702541



Aircraft Record General Information

Manufacturer Cessna Model 177B

Serial 17702541 Registration Number N18523

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 _____

Cessna 177B

Aircraft Serial Number 17702541

N18523

Lycoming O-360-A16FD

Engine Serial Number L-22029-36A

DATE 19 <u>98</u>	TOTAL TIME IN SERVICE	Current Weight and Balance Information			
		Empty Weight	Empty C.G.	Useful Load	Remarks
3-31-98		Tach Indicates 1103.6 Hrs			Installed new avionics and Insight Strike Finder. See Weight & Balance for list of equipment and locations. See FAA 377 form for GPS installation. Work performed using FAR AC 43.13-1A chapters 11, 15, 16, AC 43.13-2A chapters 1, 2, 3, AC 20-138, and the manufacturer's instructions as guide.

MANUFACTURER RELEASE CERTIFICATE	
Insight FORT ERIE, ONTARIO L2A 5M1	
D.O.T. Approval No. 42 — 90	Product Name: <u>STRIKE FINDER</u> Part No.: <u>SF2000-022</u> Software Level: <u>N/A</u>
Manufacturer: <u>INSIGHT</u> Serial No.: <u>6458</u> Mod.: <u>ME</u>	The aeronautical product described hereon conforms to approved type design data and is in a condition for safe operation. <u>Lucyline Lambert</u> AUTHORIZED INSPECTOR
FOR D.O.T. USE APPROVED FOR EXPORT	DATE <u>March 10/98</u> D.O.T. AIRWORTHINESS REPRESENTATIVE DATE

led above was
 accordance with
 those components
 are found
 ant details
 this agency
 DATE 3-31-98
22R2231

Date	TTSN	Remarks
31 Mar 98	1103.6	<p>Installed new avionics and Insight Strike Finder. See Weigh 7 Balance for list of equipment and locations. See FAA 377 form for GPS installation. Work performed using FAR AC43.13-1A chapters 11, 15, 16. AC43.13-2A chapter 1, 2, 3 and the manufacturer's instructions as guide.</p> <p>The aircraft and/or component identified above was repaired/alterd IAW current FARs. Only those components identified on the following Work Order are found airworthy for return to service. Pertinent details of the repair/alteration are on fiel at this agency under Work Order 11726/11840 Date 31 Mar 98 Signed () Radio Ranch R.S.#UQ2R2231</p>

DATE 19__	TOTAL TIME IN SERVICE	Cu Em
--------------	-----------------------------	----------

Radio Ranch, Inc. FAA Repair Station
Whiteside Co. Airport #UQ2R223L

SCALE CORRECTIONS

Baro.	Altimeter	Encoder	Baro.	Altimeter	Encoder
-1000	-5	0	10000	40	0
0	0	0	12000	50	0
500	-5	0	14000	70	0
1000	-5	0	16000	70	0
1500	-5	0	18000	90	0
2000	-10	0	20000	100	100
3000	-5	0	22000		
4000	-5	0	25000		
6000	0	0	30000		
8000	10	0	35000		

Altimeter United 5934P-1 Serial No. H1070 A.56
Encoder Narco AR-850-25 Serial No. 55093
Date 3/26/98 Inspector Gene L K()

DATE 4-1-98
#223L

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Date	TTSN	Remarks
1 Apr 98		The ATC Transponder Tests and Inspection as required by FAR 91.413 IAW FAR 43 Appendix F, have been performed. XPDR Model <u>KT-76</u> S/N <u>37629</u> Signed <u>Gene L K()</u> , Date <u>1 Apr 98</u> Radio Ranch, Inc. R.S. #UQR2R223L Polo, IL
1 Apr 98		Altimeter tests required by FAR 91.411 IAW FAR Appendix E, have been performed. Altimeter <u>United 5934</u> S/N <u>H1070</u> Tested to 20,000 FT Signed <u>Gene L K()</u> , Date <u>1 Apr 98</u> Radio Ranch, Inc. R.S. #UQR2R223L Polo, IL
1 Apr 98		Static System tests as required by FAR 91.411 IAW FAR Appendix E, have been performed. Signed <u>Gene L K()</u> , Date <u>1 Apr 98</u> Radio Ranch, Inc. R.S. #UQR2R223L Polo, IL

17702541

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Date	TTSN	Remarks
2 Apr 98	1103.6	<p>Installed all new Lord J 7444-14 shock mounts for cowlings, Replaced all cowl fastener studs, Replaced beacon flasher unit Replaced flap upper limit micro switch Removed, overhauled, installed oil cooler (see Engine Log)</p> <p>Edward D Van Reeth A&P 357465746</p>

N18523

1977 Cessna Cardinal C177B

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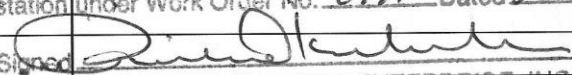
DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				<p>CESSNA 177B, N18523, S/N 177-02541</p> <p>2-4-99 TACH 1311.9</p> <p>Repaired the lower fuselage and firewall by replacing same with customer furnished Cessna parts including the control tunnel, L/H and R/H intercostal, lower firewall angles, nose landing gear support stop and bottom floor finger doublers, forward floor boards, instrument panel. Complied with a hidden damage inspection of the aircraft. Installed two static air ports and a avionics cooling air scoop on the R/H boot cowl. Repaired four small holes in lower fuselage with small sheet metal repairs. Replaced speaker bracket and ELT bracket. Installed nose landing gear strut, Replaced windshield with a new Great Lakes Aero windshield and replaced all side, door, and rear windshield. Repaired two small cracks in R/H boot cowl skin. Replaced lower fuselage sump tank and lines as required.. Replaced all cowling shock mounts. Installed all controls removed to facilitate maintenance. Located and drilled new hole in firewall for oil pressure line, installed bulkhead fitting and line. Installed battery box.</p>

Date	TTSN	Remarks
4 Feb 99	1311.9	Repaired the lower fuselage and firewall by replacing same with customer furnished Cessna parts including the control tunnel, L/H and R/H Intercostal, lower firewall angles, nose landing gear support stop and bottom floor finger doublers, forward floor boards, instrument panel. Complied with a hidden damage inspection of the aircraft. Installed two static air ports and avionics cooling air scoop on the R/H boot cowl. Repaired four small holes in lower fuselage with small sheet metal repairs. Replaced speaker bracket and ELT bracket. Installed nose, landing gear strut, Replaced windshield with a new Great Lakes Aero windshield and replaced all side, door, and rear windshield. Repaired two small cracks in R/H boot cowl skin. Replaced lower fuselage sump tank and lines as required. Replaced all cowling shock mounts. Installed all controls removed to facilitate maintenance. Located and drilled new hole in firewall for oil pressure line, Installed bulkhead fitting and line. Installed battery box.

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1977 Cessna Cardinal C177B

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DATE 19 ____	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				MAINTENANCE RELEASE
				The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is approved for return to service.
				"Pertinent details of the repair are on file at this repair station under Work Order No. <u>0991</u> Dated <u>2-4-99</u>
				Signed 
				For: AIRCRAFTERS OF ENTERPRISE, INC. FAA CERTIFICATED REPAIR STATION #A5OR391 ENTERPRISE, ALABAMA

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Maintenance Release

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected IAW current maintenance rules of the FARs and is approved for return to service.

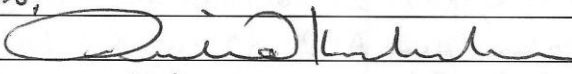
Pertinent detail of the repair are on file at this repair station under Work Order No. 0991 Dated 4 Feb 99.

Signed () For: Aircrafters of Enterprise, Inc. FAA Certificated repair station #A5OR391, Enterprise, Alabama

N18523

1977 Cessna Cardinal C177B

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DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
1-8-2004	TACH	1312.0		ALTERED AIRCRAFT BY INCORPORATING A LOW FUEL WARNING SYSTEM TO ALERT PILOT THAT ONLY (5) FIVE GAL OF FUEL REMAIN IN EACH TANK FOR A TOTAL OF TEN GAL. PROVIDING A REASONABLE RESERVE BASED ON THE AIRCRAFT PERFORMANCE & FUEL CONSUMPTION. SEE FAA FORM 337 THIS DATE FOR DETAILS OF THIS ALTERATION.
				 A&P 211328868 IA

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Date	TTSN	Remarks
8 Jan 04	1312.0	<p>Altered aircraft by incorporating a low fuel warning system to alert pilot that only (5) five gallons of fuel remain in each tank for a total of ten gallons. Providing a reasonable reserve based on the aircraft performance and fuel consumption.</p> <p>See FAA Form 337 this date for details of this alteration. () A&P 211328868IA</p>

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
4-9-2004		TACH	1312.0	ANNUAL INSPECTION - Checked installation of all controls & wires Checked control rigging & cable tensions, control travel. Removed & Replaced Defective Vacuum pump with new Sigma-Tec 10128-006 vacuum pump. Ops checked good C/W 100HR & Annual inspection using C-177 Service Manual, Checklist and Related Service Information. Checked all applicable AD Notes through Bi-weekly Supplement 2004-07111 Dated 4-5-2004. C/W all applicable AD Notes. THROUGH 2004-07M.
				DATE 4-9-2004 T.T. IN SERVICE 1312.0 I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION A&P 211328868 JA

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Date	TTSN	Remarks
9 Apr 04	1312.0	<p>Annual Inspection</p> <p>Checked installation of all controls and wires</p> <p>Checked control rigging and cable tensions, control travel.</p> <p>Removed and replaced defective vacuum pump with new Sigma-Tec 10128-006 vacuum pump.</p> <p>Ops checked good C/W 100HR and Annual inspection using C-177 service manual, checklist and related service information.</p> <p>Checked all applicable AD through bi-weekly supplement 2004-07111 dated 5 Apr 2004.</p> <p>C/W all applicable AD notes through 2004-07M.</p> <p>Date 9 Apr 04 TT in service 1312.0</p> <p>I certify that this aircraft has been inspected IAW an Annual Inspection and was determined to be in airworthy condition.</p> <p>See FAA Form 337 this date for details of this alteration.</p> <p>() A&P 211328868IA</p>

DATE 2005 19	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
-3-05	1314.2			Inspected And Lubricated Flight Control System, Inspected Brake System, Checked AD Note 87-20-03 By Inspection of Seat Rails C/W AD Note 76-07-12 By Inspection of Trg. Switch Replaced ELT Batt Due Replacement 7-07, ELT Inspected IAW 91-107D Checked OK, Inspected Fuel Strainer, Replaced Fuel Drains in Left Wing And Header Tank, Checked AD Notes for Compliance, I Certify This Aircraft Has Been Inspected IAW An Annual Inspection And Was Determined To be in Airworthy Condition Dennis Burke IA 2184010
	1314.2		1314.2	

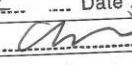
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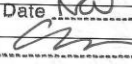
Date	TTSN	Remarks
3 Jun 05	1314.2	<p>Inspected and lubricated flight control system, Inspected brake system, Checked AD-87-20-03 by inspection of seat rails. C/W AD-76-07-12 by inspection of switch. Replaced ELT Batt due Replacement Jul-07. ELT inspected IAW 91.107D checked ok. Inspected fuel strainer. Replaced fuel drains in left wing and header tank. Checked AD notes for compliance.</p> <p>I certify that this aircraft has been inspected IAW an Annual Inspection and was determined to be in airworthy condition. Dennis () IA 2184010</p>

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1977 Cessna Cardinal C177B

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DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				MONARCH AVIATION REPAIR STATION # V9MR 280Y
				The Altimeter System Test and Inspection required by FAR 91.411
				were performed on this date and found to comply with FAR Part 43
				Appendix E Paragraphs a and b. Tested to 15,000 Ft.
				Details of this inspection are held on file at Monarch Aviation, Inc
				on Work Order # 2422 Date NOV 12, 2005
				Authorized Signature 

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				MONARCH AVIATION REPAIR STATION # V9MR 280Y
				The ATC Transponder and Automatic Pressure Altitude Reporting
				Equipment Tests and Inspections required by FAR 91.411 and 91.413
				were performed on this date and found to comply with FAR Part 43
				Appendix E and F.
				Details of this inspection are held on file at Monarch Aviation, Inc.
				on Work Order # 2422 Date NOV 12, 2005
				Authorized Signature 

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Date	TTSN	Remarks
12 Nov 05		<p>Monarch Aviation Repair Station # V9MR280Y</p> <p>Altimeter tests required by FAR 91.411 were performed on this date and found to comply with FAR Appendix E paragraphs a and b. Altimeter tested to 15,000 FT</p> <p>Details of this inspection are held on file at Monach Aviation, Inc. on work order #2422, date 12 Nov 05</p> <p>Authorized signature ()</p>
12 Nov 05		<p>Monarch Aviation Repair Station # V9MR280Y</p> <p>The ATC Transponder and Automatic Pressure Altitude Reporting Equipment Tests and Inspections required by FAR 91.411 and 91.413 were performed on this date and found to comply with FAR Appendix E and F.</p> <p>Details of this inspection are held on file at Monach Aviation, Inc. on work order #2422, date 12 Nov 05</p> <p>Authorized signature ()</p>

DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
2007				
1-23-07	1326.0		1326.0	<p>Inspected and lubricated Flight Control System, Inspected Brake System, Replaced muffler with new muffler, Removed and Reinstalled Engine Mount After Repair By KOSOLA & Assoc, W/O #34167, C/W AD note 87-20-03 By inspection of seat rails checked OK, Inspected ELT IAW 91.207(d), checked OK, Replaced vacuum filters, checked AD notes for compliance</p> <p>I certify this aircraft has been inspected IAW an Annual Inspection and was determined to be in an Airworthy Condition</p> <p>Dennis Gable IA 2184010</p>

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Date	TTSN	Remarks
23 Jan 07	1326.0	<p>Inspected and lubricated flight control system</p> <p>Inspected brake system</p> <p>Replaced muffler with new muffler.</p> <p>Removed and reinstalled engine mount after repair by Kosola and Assoc, W/O #34167,</p> <p>C/W AD-87-20-03 by inspection of seat rails checked ok,</p> <p>Inspected ELT IAW 91.207(d), checked ok,</p> <p>Replaced vacuum filters,</p> <p>Checked AD notes for compliance.</p> <p>I certify that this aircraft has been inspected IAW an Annual Inspection and was determined to be in Airworthy Condition.</p> <p>Dennis G() IA2184010</p>

N18523

1977 Cessna Cardinal C177B

17702541

1. Approving National

DATE 19__

RECORD TAG

KOSOLA & ASSOCIATES, INC.
 5601 NEWTON ROAD P.O. BOX 3529
 ALBANY, GEORGIA 31706 USA 229-435-4119

F.A.A. APPROVED REPAIR STATION NO. HE4R229M

PART NAME ENGINE MOUNT

PART NO. 1751000-1

SER. NO. K4167 W/O 34167

INSPECTOR [Signature] DATE 12 JAN 2007

SERVICEABLE TAG

17. Name (Typed or Printed): BILLY G. PRICHARD, ODARF

18. Date (m/d/y): OCT/19/2006

22. Name (Typed or Printed):

23. Date (m/d/y):

QTY: 1
U/M: EA

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

Under the forms:

Date	TTSN	Remarks
23 Feb 07	1328.1	<p>Installed Cessna fuel Gascolator Top Assembly P/N 0756005-2 IAW Cessna Serv. Manual.</p> <p>Installed McFarlane Fuel Strainer Seal Kit P/N FS-KT-1 IAW Cessna Serv. Manual. Performed ops check. Checked Ok.</p> <p>Zachary L. Odom Airframe Mech. 3171710</p>

N18523

1977 Cessna Cardinal C177B

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DATE 2008 13	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				13 MAR 08 Tach time 1354.9
				Rigged stabilator IAW Cessna SRM paragraph 8-10 and A/C TCDS. Rigged stabilator trim tab IAW Cessna SRM 9-13.
				END
				Zachary L. Odom
				Zachary L. Odom
				AP 3171710

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Date	TTSN	Remarks
13 Mar 08	1354.9	Rigged stabilator IAW Cessna SRM paragraph 8-10 and A/C TCDS. Rigged stabilator trim tab IAW Cessna SRM 9-13.
		Zachary L. Odom AP 3171710

N18523

1977 Cessna Cardinal C177B

17702541

DATE: 20
ITEM: 18
ORDER: 1905816N/OT: N/A
PN: LM29749
DESC: BEARING
QTY: 1
U/M: EA

1. Approving National Aviation Authority/Country: FAA/UNITED STATES
2. AUTHORIZED RELEASE CERTIFICATE
3. Form Tracking Number: 1905816
4. Organization Name and Address: Cessna Aircraft Company, Cessna Parts Distribution Dept. 702, 5800 E Pawnee, Wichita, KS 67218
5. Work Order/Contract/Invoice Number: 798967
6. Item: 18
7. Description: BEARING
8. Part Number: LM29749
9. Eligibility: N/A
10. Quantity: 1
11. Serial/Batch Number: N/A
12. Status/Work: New
13. Remarks: AIRWORTHINESS APPROVAL - PARTS. THIS FORM IS NOT AN EXPORT APPROVAL.
14. Certifies the items identified above were manufactured in conformity to:
15. Authorized Signature: Kenneth E. Wysocki Sr.
16. Approval/Authorization No.: 100129CE
17. Name (Typed or Printed): KENNETH E. WYSOCKI SR., ODARF
18. Date (m/d/y): FEB/08/2008
19. 14 CFR 43.9 Return to Service
20. Authorized Signature: Zachary L. Odom
21. Approval/Certificate No.: 3171710
22. Name (Typed or Printed): Zachary L. Odom
23. Date (m/d/y): 3/17/10

PO# 033790

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 higher 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

Under the forms:

Date	TTSN	Remarks
13 Mar 08	1354.9	Replaced MLG wheel bearings with new Timken bearings part no. LM29749 IAW Cessna SRM paragraph 5-11B. Replaced NLG wheel bearings with new Timken bearings part no. LM67048. IAW Cessna SRM paragraph 5-24G. Zachary L. Odom Airframe Mech. 3171710

This entry was found loose in the log book:

Date	TTSN	Remarks
24 Aug 08		Replaced voltage regulator w/Hill Aircraft Co. Cessna p/n DGR6 serial number 80 ^a 53426. Performed operational check-check okay. Zachary L. Odom Airframe Mech. 3171710

N18523

1977 Cessna Cardinal C177B

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1. Approving National Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number: 17580	
4. Organization Name and Address: McFarlane Aviation, Inc. 696 E 1700 Rd, Baldwin City, KS 66006, PMA No. PQ3732CE				5. Work Order/Contract/ Invoice Number: 17580			
6. Item:	7. Description:	8. Part Number:	9. Eligibility:	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:	
1	Seat Rail (Outboard RH)	MC1711615-8	N/A	1	N/A	New	
13. Remarks: Airworthiness approval - for domestic shipments							
14. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 13.				19. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 13 Certifies that unless otherwise specified in Block 13, the work identified in Block 13 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>Paul E. Martin</i>		16. Approval/Authorization No.: DMIR240082CE		20. Authorized Signature:		21. Approval/Certificate No.:	
17. Name (Typed or Printed): Paul E. Martin		18. Date (m/d/y): November 6, 2007		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	

ions
r of Technician or Repair

Flight Control
ELT Battery
Red ELT BAW
in AD Note
Daily Checked OK
E. Coit. By This
IAW AD
Determined to

92184010

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Date	TTSN	Remarks
13 Mar 08	1354.9	<p>Inspected and lubricated flight control and brake system. Replaced ELT battery. Due replacement Apr 10. Checked ELT IAW FAR 91.207(d) checked ok. C/W AD-87-20-03 by inspection of seat rails checked ok, Checked AD notes for compliance. I certify that this aircraft has been inspected IAW an Annual Inspection and was determined to be in Airworthy Condition. Dennis G() IA2184010</p>

N18523

1977 Cessna Cardinal C177B

17702541

DATE 19____

N 18523

Sept 2008

Clarion
Avionics, LLC

CRS EUUR726D • 927 Flightline Drive • Suite 150 • Dothan, Alabama 36303 • 334-983-4143

Total Time _____ 1 of F

I certify this KING, KT-76
SN 37629, ATC Transponder and NARCO
AR-850, SN 55093 Altitude Reporting
System, has been tested and inspected per FAR 43 and Appendix E
and F, in compliance with FAR 91.411 and 91.413.
Work order # 8083 dated 9/09/08 signed [Signature]
Airman Certificate # 2362922 for Clarion Avionics
CRS # EUUR 726D Radio and Instrument Class 1, 2, and 3.

The aircraft, airframe or appliance identified below was repaired in accordance with current regulations of Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station.

Order No. 8083 Date 9/09/2008 Signed [Signature]
2362922

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Date	TTSN	Remarks
01 Sep 08		<p>I certify this King KT-76 S/N 37629, ATC transponder and Narco AR-850, S/N 55093 Altitude Reporting System has been tested and inspected per FAR 43 and Appendix and F, in compliance with AFAR 91.411 and 91.413. Work order *8083 dated 9 Sep 08 signed () Airman certificate # 2362922 for Clarion Avionics CRS #EUUR 726D Radio and Instrument Class 1, 2 and 3.</p>

DATE 2009 30	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
6/3/09	Tach Time	1379.5		Inspected And Lubricated Flight Controls, Inspected Brake System, Inspected ELT IAW FAR 91-207(d) Checked OK C/W AD Note 87-20-03 By Inspection of Seat Rails, Checked AD Notes for Compliance, I Certify This Aircraft Has Been Inspected IAW An Annual Inspection And Was Determined To Be in Airworthy Condition
10/01/09	Tach Time	1389.2		SVC'd NOSE WHEEL SHIMMY DAMPER IAW Cessna 177 SRM. Zachary L. Odom A&P 3171710

Date	TTSN	Remarks
03 Jun 09	1379.5	Inspected and lubricated flight controls, Inspected brake system, Inspected ELT IAW FAR 91.207(d) checked ok. Replaced ELT battery. Due replacement Apr 10. C/W AD-87-20-03 by inspection of seat rails checked ok, Checked AD notes for compliance. I certify that this aircraft has been inspected IAW an Annual Inspection and was determined to be in Airworthy Condition. Dennis G() IA2184010
01 Oct 09	1389.2	Serviced nose wheel shimmy damper IAW Cessna 177 SRM Zachary L. Odom A&P 3171710

[illegible]

Date	TTSN	Remarks
03 Jun 10	1408.6	<p>Inspected and lubricated flight controls, Inspected brake system, Replaced ELT, due Replacement Sep 12. Inspected ELT IAW FAR 91.207(d) checked ok. Replaced ELT battery. Due replacement Sep 12. C/W AD-87-20-03 by inspection of seat rails checked ok, Checked AD notes for compliance. I certify that this aircraft has been inspected IAW an Annual Inspection and was determined to be in Airworthy Condition. Dennis G() IA2184010</p>

DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
7/15/10	Tach Time	1413.0		Installed Cigar Lighter. Connected to existing Cigar Lighter C/B. Ops checked good. Dennis G. A2844654
5-1-11	Tach Time & Total Time	1417.4		Inspected and lubricated flight controls, inspected brake system, complied with AD Note 87-20-03 by inspection of seat rails, inspected ELT IAW FAR 91.207(d) checked OK, checked AD notes for compliance. I certify this aircraft has been inspected IAW an Annual Inspection and was determined to be in Airworthy Condition. Dennis G. A2184010

Date	TTSN	Remarks
15 Jul 10	1413.0	Installed cigar lighter. Connected to existing Cigar Lighter C/B. Ops checked good. () A2844654
01 May 11	1417.4	Inspected and lubricated flight controls, Inspected brake system, Inspected ELT IAW FAR 91.207(d) checked ok. C/W AD-87-20-03 by inspection of seat rails checked ok, Checked AD notes for compliance. I certify that this aircraft has been inspected IAW an Annual Inspection and was determined to be in Airworthy Condition. Dennis G() IA2184010

N18523

1977 Cessna Cardinal C177B

17702541

N 18523

Clarion
Avionics, LLC

CRS EUUR726D • 927 Flightline Drive • Suite 150 • Dothan, Alabama 36303 • 334-983-4143

Total Time _____

or Repair _____

I certify this BENDIX/KING, KT-76
SN 37629, ATC Transponder and NARCO
AR-850, SN 55093 Altitude Reporting
System, has been tested and inspected per FAR 43 and Appendix E
and F, in compliance with FAR 91.411 and 91.413.
Work order # 1199 dated 12/16/11 signed [Signature]
Airman Certificate # 2362922 for Clarion Avionics
CRS # EUUR 726D Radio and Instrument Class 1, 2, and 3.

The aircraft, airframe or appliance identified below was repaired in accordance with current regulations of Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station.

Order No. 1199 Date 12/16/2011 Signed [Signature]
2362922

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Date	TTSN	Remarks
16 Dec 11		<p>I certify this Bendix/King KT-76 S/N 37629, ATC transponder and Narco AR-850, S/N 55093 Altitude Reporting System has been tested and inspected per FAR 43 and Appendix and F, in compliance with AFAR 91.411 and 91.413. Work order *1199 dated 12 Dec 11 signed () Airman certificate # 23629220 for Clarion Avionics CRS #EUUR 726D Radio and Instrument Class 1, 2 and 3.</p>

N18523

1977 Cessna Cardinal C177B

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N 18523

CRS EUUR

UNITED

Altitude(s) v
Part 91.411 a
Altitude(s) v
to 20,000

I certify the
accordance
dated 12/14/11

Avionics Co
The aircraft, airframe
Administration and is as

ALTITUDE FT.	ALTITUDE HEADS	ALTITUDE FT.	ALTITUDE HEADS
-1000	-995	14000	14090
0	0	16000	16100
500	500	18000	18105
1000	995	20000	20105
1500	1495	22000	
2000	1990	25000	
3000	2980	30000	
4000	3990	35000	
5000	4000	40000	
6000	5025	45000	
8000	10050	50000	
10000	12075		
12000			

MANUFACTURER UNITED

TYPE or P/N 5934P-1

SERIAL H1070

ALTITUDE 20,000 FT

TESTED IN ACCORDANCE WITH FAR 43 APPENDIX E.
CLARION AVIONICS AND INSTRUMENTS
FIA CRSH 726D

Form 1060 (Feb 98) 1199

Date	TTSN	Remarks
16 Dec 11		<p>United 5934P-1 S/N H1070</p> <p>Altitude was installed FAR Part 23.1325 and complies with FAR Part 91.411 and 91.413.</p> <p>Altitude was tested in accordance with FAA Part 43 Appendix E and F to 20,000 feet.</p> <p>I certify this static system was checked and accordance with FAR 43 and Appendix E.</p> <p>Work order *1199 dated 16 Dec 11 signed ()</p> <p>Airman certificate # 23629220 for Clarion Avionics</p> <p>CRS #EUUR 726D Radio and Instrument Class 1, 2 and 3.</p>

31JAN12 TACH TIME 1426.9 CARDINAL N18523

DATE RE
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TII

C/W AD 2011-10-09. FOUND CO-PILOTS O/B SEAT RAIL CRACKED AND REPLACED RAIL IAW AD, CESSNA SRM, AND AC 43.13. SEE LOG ENTRY BELOW FOR DETAILS ON TRACK REPLACEMENT. AIRCRAFT APPROVED FOR RETURN TO SERVICE. ZACHARY L. ODOM A&P 3171710

END *Zachary L. Odom* A&P 3171710

31JAN12 TACH TIME 1426.9 CARDINAL N18523

REMOVED AND REPLACED CO-PILOTS R/H (OUTBOARD) SEAT RAIL WITH MCFARLANE SEAT RAIL P/N: MC1711015-8 IN C/W WITH AIRWORTHINESS DIRECTIVE. SEE ATTACHED FAA FORM 8130-3 FOR DETAILS. CLEANED AND TREATED SURFACE CORROSION AT MATING SURFACE OF SEAT RAIL AND FLOOR. WORK PERFORMED IAW CESSNA SRM AND AC43-13 "ACCEPTABLE METHODS". ZACHARY L. ODOM A&P 3171710

END *Zachary L. Odom* A&P 3171710

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Date	TTSN	Remarks
31 Jan 12	1426.9	C/W AD 2011-10-09. FOUND CO-PILOTS O/B SEAT RAIL CRACKED AND REPLACED RAIL IAW AD, CESSNA SRM, AND AC 43.13. SEE LOG ENTRY BELOW FOR DETAILS ON TRACK REPLACEMENT. AIRCRAFT APPROVED FOR RETURN TO SERVICE. ZACHARY L. ODOM A&P 3171710
31 Jan 12	1426.9	REMOVED AND REPLACED CO-PILOTS R/H (OUTBOARD) SEAT RAIL WITH MCFARLANE SEAT RAIL P/N: MCI 711015-8 IN C/W WITH AIRWORTHINESS DIRECTIVE. SEE ATTACHED FAA FORM 8130-3 FOR DETAILS. CLEANED AND TREATED SURFACE CORROSION AT MATING SURFACE OF SEAT RAIL AND FLOOR. WORK PERFORMED IAW CESSNA SRM AND AC43-13 "METHODS". ZACHARY L. ODOM

DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
2012 6-4-12	1430.7		1430.7	Inspected and lubricated Flight Control System, Inspected Brake System, Complied with AD Note 2011-10-09 by inspection of Seat Rails, checked OK, Inspected ELT IAW FAR 91.207(d) checked OK. Checked AD notes for compliance, I certify this Aircraft has been inspected IAW an Annual Inspection and was determined to be in an Airworthy Condition Dennis Gable IA2184010

Date	TTSN	Remarks
4 Jun 12	1430.7	Inspected and lubricated flight controls, Inspected brake system, Complied with AD-2011-10-09 by inspection of seat rails, checked ok, Inspected ELT IAW FAR 91.207(d) checked ok. C/W AD-87-20-03 by inspection of seat rails checked ok, Checked AD notes for compliance. I certify that this aircraft has been inspected IAW an Annual Inspection and was determined to be in Airworthy Condition. Dennis G() IA2184010

N18523

1977 Cessna Cardinal C177B

17702541

DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
7-1-13	1433.1		1433.1	Inspected + lubricated Flight Control System Inspected Brake System, Complied with AD Note 2011-10-09 By Inspection of Seat Rails, checked OK Inspected ELT IAW FAR 91.207(d) checked OK Checked AD Notes for Compliance, I certify that this <u>AIRCRAFT</u> has been inspected in accordance with an <u>Annual</u> inspection and was determined to be in an airworthy condition. Dennis Gable IA 2184010

Date	TTSN	Remarks
01 Jul 13	1433.1	Inspected and lubricated flight controls, Inspected brake system, Complied with AD-2011-10-09 by inspection of seat rails, checked ok, Inspected ELT IAW FAR 91.207(d) checked ok. C/W AD-87-20-03 by inspection of seat rails checked ok, Checked AD notes for compliance. I certify that this aircraft has been inspected IAW an Annual Inspection and was determined to be in Airworthy Condition. Dennis G() IA2184010

[illegible]

Date	TTSN	Remarks
14 Jun 14	1437.4	<p>RMVD AND REINST ALL INSP PANELS AND WING TIPS FOR INSP OF ACFT.</p> <p>LUBED PULLEYS AND FLT CONTROL CABLES.</p> <p>RMVD AND REPACKED MLG AND NLG WHEEL ASSEY BEARINGS.</p> <p>SERV BRAKE MSTR CYLS 2EA WITH ML H-5606. CLEANED FUEL GASCOLATOR</p> <p>INSP ELT IAW 91.207; BATT DUE REPLACEMENT NOV 2015.</p> <p>C/W AD 2011-10-09 "SEAT RAILS" BY VISUAL INSP. NEXT AT 1537.4 TACH HRS OR 31JUN14.</p> <p>I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSP IAW AN ANNUAL INSP CHECKLIST AND WAS FOUND TO BE IN AN AIRWORTHY COND. ALL AD'S C/W. SEE ATTACHED AD LIST IN BACK OF LOG BOOK FOR CURRENT LISTINGS.</p> <p>ZACHARY L. ODOM A&P 3171710</p>

N18523

1977 Cessna Cardinal C177B

17702541

ALTITUDE FT.	ALTIMETER READS	ALTITUDE FT.	ALTIMETER READS
-1000	-985	14000	14090
0	15	16000	16090
500	525	18000	18090
1000	1000	20000	20100
1500	1500	22000	
2000	1995	25000	
3000	2990	30000	
4000	4000	35000	
6000	6000	40000	
8000	8020	45000	
10000	10050	50000	
12000	12070		

DATE 19 N 18523

CRS EUUR726D • 927 Flightline

UNITED 5934P-1

Altimeter(s) was (were) installed
Part 91.411 and 91.413.

Altimeter(s) was (were) tested i
to 20,000

I certify that this aircraft
accordance with FAR part
dated 7/6/14, signed [Signature]

Avionics CRS # EUUR 726D

The aircraft, airframe or appliance identifi
Administration and is approved for return to ser

Order No. 1451 Date

MANUFACTURER UNITED TECH. 51A

TYPE OR P/N 5934P-1 INSP. [Signature]

SER.# H-1070 DATE 7/6/2014

ALTITUDE 20,000 FT.

TESTED IN ACCORDANCE WITH CFR 43 APPENDIX E.
CLARION AVIONICS AND INSTRUMENTS
FAA CRS# EUUR726D

FORM 1060 (FEB. 98) 1451

Date	TTSN	Remarks
01 Jul 14		<p>United 5934P-1 S/N H1070</p> <p>Altimeter was installed FAR Part 23.1325 and complies with FAR Part 91.411 and 91.413.</p> <p>Altimeter was tested in accordance with FAA Part 43 Appendix E and F to 20,000 feet.</p> <p>I certify this static system was checked and accordance with FAR 43 and Appendix E.</p> <p>Work order *1451 dated 01 Jul 14 signed ()</p> <p>Airman certificate # 23629220 for Clarion Avionics</p> <p>CRS #EUUR 726D Radio and Instrument Class 1, 2 and 3.</p>

17702541

Date	TTSN	Remarks
01 Jul 14		<p>I certify this Narco, AT-165K S/N 37629, ATC transponder and Narco AR-850, S/N 55093 Altitude Reporting System has been tested and inspected per FAR 43 and Appendix and F, in compliance with AFAR 91.411 and 91.413.</p> <p>Work order *1451 dated 1 Jul 14 signed () Airman certificate # 2362922 for Clarion Avionics CRS #EUUR 726D Radio and Instrument Class 1, 2 and 3.</p>

N18523

1977 Cessna Cardinal C177B

17702541

10JUL15 TACH 1441.7
TTAF 1441.7

an or Repair

RMVD AND REINST ALL INSP PANELS AND WING TIPS FOR INSP OF ACFT. LUBED PULLEYS AND FLT CONTROL CABLES. RMVD AND REPACKED MLG AND NLG WHEEL ASSEY BEARINGS. SERV BRAKE MSTR CYLS 2EA WITH MIL H-5606. CLEANED FUEL GASCOLATOR. INSP ELT IAW 91.207; BATT DUE REPLACEMENT NOV 2015. C/W AD 2011-10-09 "SEAT RAILS" BY VISUAL INSP. NEXT DUE AT 1541.7 TACH HRS OR 31JUL16.

I CERTIFY THAT THIS AIRFRAME HAS BEEN INSP IAW AN ANNUAL INSP CHECKLIST AND WAS FOUND TO BE IN AN AIRWORTHY COND. ALL AD'S C/W. SEE ATTACHED AD LIST IN BACK OF LOG BOOK FOR CURRENT AD LISTINGS. *Zachary Odom* AP 3171710 1A

ZACHARY L. ODOM A&P3171710IA

01OCT15 TACH 1442.0
TTAF 1442.0

RMVD AND REINST MCCAULEY PROP ASSEY S/N: 764045 FROM ACFT CESSNA 177B S/N: 17702541 FOR RESEALING OF HUB ASSEY BY AIR PROP SPECIALISTS OF MARIANNA FL CERT NUM 1X4R274M. SEE PROP LOG BOOK FOR MAINT RELEASE. TQ'ED PROP RETENTION BOLTS TO 55 FT LBS AND REPLACED 3EA SAFTIES. PERFORMED GROUND MAINT RUN; NO LEAKS NOTED AND PROP GOV CONTROLS PROP THROUGH ITS RANGE. MAINT PERFORMED IAW CESSNA SRM. *Zachary Odom* AP 3171710 1A

ZACHARY L. ODOM AP3171710IA

Date	TTSN	Remarks
10 Jul 15	1441.7	<p>RMVD AND REINST ALL INSP PANELS AND WING TIPS FOR INSP OF ACFT.</p> <p>LUBED PULLEYS AND FLT CONTROL CABLES.</p> <p>RMVD AND REPACKED MLG AND NLG WHEEL ASSEY BEARINGS.</p> <p>SERV BRAKE MSTR CYLS 2EA WITH ML H-5606. CLEANED FUEL GASCOLATOR</p> <p>INSP ELT IAW 91.207; BATT DUE REPLACEMENT NOV 2015.</p> <p>C/W AD 2011-10-09 "SEAT RAILS" BY VISUAL INSP. NEXT AT 1541.7 TACH HRS OR 31JUL16.</p> <p>I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSP IAW AN ANNUAL INSP CHECKLIST AND WAS FOUND TO BE IN AN AIRWORTHY COND. ALL AD'S C/W. SEE ATTACHED AD LIST IN BACK OF LOG BOOK FOR CURRENT LISTINGS.</p> <p>ZACHARY L. ODOM A&P 3171710IA</p>
01 Oct 15	1442.0	<p>RMVD AND REINST MCCAULEY PROP ASSEY S/N: 764045 FROM ACFT CESSNA 177B S/N: 17702541 FOR RESEALING OF HUB ASSEY BY AIR PROP SPECIALISTS OF MARIANNA FL CERT NUM 1X4R274M. SEE PROP LOG BOOK FOR MAINT RELEASE.</p> <p>TQ'ED PROP RETENTION BOLTS TO 55 FT LBS AND REPLACED 3EA SAFTIES. PERFORMED GROUND MAINT RUN; NO LEAKS NOTED AND PROP GOV CONTROLS PROP THROUGH ITS RANGE.</p> <p>MAINT PERFORMED IAW CESSNA SRM. ZACHARY L. ODOM AP3171710IA</p>

N18523

1977 Cessna Cardinal C177B

17702541

DATE	31 NOV 15	TACH 1442.0	apair
19		TTAF 1442.0	
REPLACED ELT BATT P/N: BP1015 IAW MERL BATT PACK INSTALLATION INSTRUCTIONS REV C 04-15-85. INSPECTED ELT IAW 91.207. RMVD AND REPLACED CONCORD AIRCRAFT BATTERY P/N: RG-35AXC S/N: 40759254. PERFORMED ACFT RUN AND MAINT CHECK OF BATTERY IAW CONCORD INSTALLATION INSTRUCTIONS. ACFT OK FOR RETURN TO SERVICE. ZACHARY L. ODOM A&P3171710IA <i>AP3171710IA</i>			
30 JUL 16		TACH 1444.8	
		TTAF 1444.8	
RMVD AND REINST ALL INSP PANELS AND WING TIPS FOR INSP OF ACFT. LUBED PULLEYS AND FLT CONTROL CABLES. RMVD AND REPACKED MLG AND NLG WHEEL ASSEY BEARINGS. SERV BRAKE MSTR CYLS 2EA WITH MIL H-5606. CLEANED FUEL GASCOLATOR. INSP ELT IAW 91.207; BATT DUE REPLACEMENT NOV 2017. C/W AD 2011-10-09 "SEAT RAILS" BY VISUAL INSP. NEXT DUE AT 1544.8 TACH HRS OR 31 JUL 17.			
I CERTIFY THAT THIS AIRFRAME HAS BEEN INSP IAW AN ANNUAL INSP CHECKLIST AND WAS FOUND TO BE IN AN AIRWORTHY COND. ALL AD'S C/W. SEE ATTACHED AD LIST IN BACK OF LOG BOOK FOR CURRENT AD LISTINGS. ZACHARY L. ODOM A&P3171710IA <i>AP3171710IA</i>			

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Date	TTSN	Remarks
31 Nov 15	1442.0	REPLACED ELT BATT P/N: BPI 015 IAW MERL BATT PACK INSTALLATION INSTRUCTIONS REV C 04-15-85. INSPECTED ELT IAW 91.207. RMVD AND REPLACED CONCORD AIRCRAFT BATTERY P/N: RG-35AXC S/N: 40759254. PERFORMED ACFT RUN AND MAINT CHECK OF BATTERY IAW CONCORD INSTALLATION INSTRUCTIONS. ACFT OK FOR RETURN TO SERVICE. ZACHARY L. ODOM A&P 3171710IA
30 Jul 16	1444.8	RMVD AND REINST ALL INSP PANELS AND WING TIPS FOR INSP OF ACFT. LUBED PULLEYS AND FLT CONTROL CABLES. RMVD AND REPACKED MLG AND NLG WHEEL ASSEY BEARINGS. SERV BRAKE MSTR CYLS 2EA WITH ML H-5606. CLEANED FUEL GASCOLATOR INSP ELT IAW 91.207; BATT DUE REPLACEMENT NOV 2017. C/W AD 2011-10-09 "SEAT RAILS" BY VISUAL INSP. NEXT AT 1544.8 TACH HRS OR 31 JUL 17. I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSP IAW AN ANNUAL INSP CHECKLIST AND WAS FOUND TO BE IN AN AIRWORTHY COND. ALL AD'S C/W. SEE ATTACHED AD LIST IN BACK OF LOG BOOK FOR CURRENT LISTINGS. ZACHARY L. ODOM AP3171710IA

N18523

1977 Cessna Cardinal C177B

17702541

10-03-2016 Tach time 1450.5, total time 1450.5, ELT battery due Jan/ 2018, Transponder due.
 Repair door seals, repair pilots door hinge, replace instrument air filter. All AD's checked and current
 Seat rails within limits at this time. I certify that this aircraft has been inspected IAW an annual
 inspection and is airworthy. E.K. Flanigan AP3061803IA for Kilo Aviation C75, Lacon IL. *E.K. Flanigan*

AP 3061803 IA

N178523 11/09/2016 Tach: 1461
 Installed new ELT antennae.
 Installed two PTT switches.
 Replace scat tube under inst. panel.
 Installed EGT gauge and probe.
 Test ran and approved for return to service.

Tim Sipp
 AP3071998 Tim Sipp

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Date	TTSN	Remarks
03 Oct 16	1450.5	ELT battery due Jan 2018, Transponder due. Repair door seals, Repair pilot's door hinge, Replace instrument air filter. All AD's checked and current. Seat rails within limits at this time. I certify that this aircraft has been inspected IAW an annual inspection and is airworthy. E.K. Flanigan AP3061803IA for Kilo Aviation C75, Lacon, IL.
09 Nov 16	1461	Installed new ELT antennae. Installed two PTT switches. Replace scat tube under inst. panel. Test ran and approved for return to service. AP3071998 Tim Sipp

N18523

1977 Cessna Cardinal C177B

17702541

DATE	RECORD TACH TIME
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11/20	1465
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FAA-PMA PQ2126SW
Replacement Seal for Cessna

Front Door Seal
ADS1200-401-23

Models: 177 and 177RG.

11/26/2016

Aircraft Door Seals, LLC
4910 Lockheed Lane
Denton, TX 76207
817-567-8020, Fax 817-567-8021



APPROVED

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ASA 1993

Date	TTSN	Remarks
20 Nov 16	1465	Removed and replaced most plastic interior pieces with new approved parts from "Plane Plastics, Ltd." in accordance with manufacturer's instructions. Removed, cleaned and painted interior door and quarter panels. Removed old door seals and baggage door seal. Cleaned and painted door jams and inside door frames.
13 Jan 17	1473	Installed new FAA-PMA door seals P/N ADS 1200-401-23 in accordance with manufacturer's instructions. PMA tag attached. Installed baggage door seal PMA P/N PQ1820NM in accordance with AC-43-13-1

N18523

1977 Cessna Cardinal C177B

17702541

DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
5/2/17				ELT Bat due Jan 2018
1/13			1473 TTS	REMOVED & REPLACED OLD CARPET WITH NEW AIR-TEX CARPET SET FAA-PMA NO. 111847 IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

F.A.A. - P.M.A.
AIRTEX PRODUCTS, INC.

NUMBER 111847

123	PART	<input checked="" type="checkbox"/>	CARPET
	PART	<input type="checkbox"/>	COWL PAD
	PART	<input type="checkbox"/>	CUSHION UPHOLSTERY
	PART	<input type="checkbox"/>	HEADLINER
	PART	<input type="checkbox"/>	WALL PANELS
	PART	<input type="checkbox"/>	BAGGAGE COMPARTMENT
	PART	<input type="checkbox"/>	FIREWALL COVER
	PART	<input type="checkbox"/>	SEAT SLINGS
	PART	<input type="checkbox"/>	HAT SHELF PAD

ELIGIBILITY 1977 CESSNA 177B

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Date	TTSN	Remarks
		ELT Bat due Jan 2018
13 Jan 17	1473	Removed and replaced old carpet with new Airtex carpet set FAA-PMA No. 111847 in accordance with manufacturer's instructions.

N18523

1977 Cessna Cardinal C177B

17702541

DATE 2017	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations * Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
4/27			1494.9	REMOVED APOLLO GX55 GPS AND A FAULTY KING NAV INDICATOR. BENCH CHECK RADIOS OK. REPLACED FAULTY NAV INDICATOR WITH KI 208. INSTALLED NEW GARMIN 660 GPS IN AN "AIR GIZMO" MOUNT IN PANEL. W.O. # 8346 HARTSELL AVIONICS INC. FAA CERTIFIED REPAIR STATION # H9TR858J
11/20/17	1509			Removed engine mount, sent to AWI for overhaul repair Reinstalled and test ran ok Z-Sign AP3071998

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Date	TTSN	Remarks
27 Apr 17	1494.9	Removed Apollo GX55 GPS and a faulty King Nav indicator. Bench check radios ok. Replaced faulty NAV indicator with KI 208. Installed ne Garmin 660 GPS in an 'Airgizmo' mount in panel. W.O. #8346 Hartsell Avionics, Inc.
20 Nov 17	1509	Removed engine mount, sent to AWI for certified repair. Reinstalled and test ran ok. Tim Sipp AP3071998

N18523

1977 Cessna Cardinal C177B

17702541

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE		or Repair
				FAR 91.411 The Altimeter make <u>UNITED</u> Model <u>5934P-1</u> and S/N <u>H1070</u> I Certify the static pressure system, altimeter instrument, and Automatic pressure altitude reporting system has been tested And inspected and found to comply with FAR 43 APP.E. Test to <u>20</u> K ft. For details see W.O. <u>7786</u> Inspected by <u>Rich Gumbly</u> Date <u>11-14-2017</u> Sparrow Inspections LLC FAA CRS XXYP919L 477 Norwood Rd. Mansfield, La 71052 (318)286-1152	
				Sparrow Inspections LLC FAR91.413 The Transponder make <u>NARCO</u> Model <u>AT165</u> and S/N <u>60049</u> I Certify the ATC Transponder has been tested and inspected And found to comply with FAR 43 APP.F. For details see W.O. <u>7786</u> Inspected by <u>Rich Gumbly</u> Date <u>11-14-2017</u> Sparrow Inspections LLC FAA CRS XXYP919L 477 Norwood Rd. Mansfield, La 71052 (318)286-1152	

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Date	TTSN	Remarks
14 Nov 17	1465	FAR 91.411 The Altimeter make United Model 5934P-1 and S/N H1070 I Certify the static pressure system, altimeter instrument, and Automatic pressure altitude reporting system has been tested And inspected and found to comply with FAR 43 APP.E. Test to 20K ft. For details see W.O. 7786 Inspected by () Date 14 Nov 2017 Sparrow Inspections FAA CRS XXYP919L 477 Norwood Rd. Mansfield, LA 71052 (318)286-1152
		Sparrow Inspections LLC FAR91.413 The Transponder make Narco Model AT165 and S/N 60049 I Certify the ATC Transponder has been tested and inspected And found to comply with FAR 43 APP.F. For details see W.O. 7786 Inspected by () Date 14 Nov 2017 Sparrow Inspections FAA CRS XXYP919L 477 Norwood Rd. Mansfield, LA 71052 (318)286-1152

N18523

1977 Cessna Cardinal C177B

17702541

DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
19 2018 27 JAN	1517.2			REPLACED ELT BATTERY WITH NEW MERL, INC. P/N BP-1015. ELT WAS REMOVED AND REPLACED PER CESSNA MAINTENANCE MANUAL SECTION 16-92. ELT TESTED AND CONFIRMED OPERATIONAL PER SECTION 16-91. ELT BATTERY DUE FEB 2020.
				J. Camba JAVIER CAMBA SEL CERT. NO. 2821625

THIS ELT EQUIPPED WITH MERL, INC.
ALKALINE BATTERY PACK P/N BP-1015
APPROVED TSO C-91

REPLACE BY **FEB 20**

Battery weight: 1.5 lbs.

MERL, INC. (203) 237-8818
1777 N. Colony Rd. P.O. Box 111
Meriden, CT USA 06450

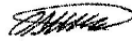
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Date	TTSN	Remarks
27 Jan 18	1517.2	Replaced ELT Battery With New Merl, Inc. P/N BP-1015. ELT Was Removed And Replaced Per Cessna Maintenance Manual Section 16-92. ELT Tested and Confirmed Operational Per Section 16-91. ELT Battery Due Feb 2020. Javier Camba SEL Cert. No. 2821625

N18523

1977 Cessna Cardinal C177B

17702541

Granbury Aviation Services LLC, 344 Howard Clemmons Rd. Granbury, TX 76048 661-599-3130 granburyaircraftservices@gmail.com Granbury Regional KGDJ				repair				
A/C N#	N18523	MAKE:	Cessna	MODEL:	177-B	S/N:	17702541	
TACH:	3451.92	TTIS:	3451.92	CURRENT DATE:	12/20/2018			
Description of work performed:								
C/W a 100hr/ annual inspection this date. C/W AD 2011-10-09 seat rails. C/W AD list as of January 2019. C/W ELT check per FAR 91.207 part (d). No defects noted. Replace left&right MLG tires, Goodyear P/N - 6.00-6 6 PLY 606C61B1 and tubes Michelin , P/N - 092-500-0. Replaced NLG tire, Goodyear P/N - 500-5 4 PLY 505C41-4 and tube, Michelin P/N - 092-308-0. Replaced both left&right brake linings. Replaced NLG strut seals, AN900-8, MS16624-1150, MS28775-128, 5-330 N674-70, and scraper ring S11065-20T. Serviced strut with 5606 Hyd fluid and proper charge. Additional parts list and details in aircraft permanent records. Inspected airframe, cables, pullies, battery, structure, and lubed control surfaces. All work IAW Cessna 177 MM and Service instructions. I certify this has been inspected IAW an annual/ 100hr inspection and is found to be airworthy. This aircraft has been approved for return to service.								
								
GRANBURY AVIATION SERVICES (GAS) RON STOWELL A&P 3645895 IA								


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Date	TTSN	Remarks
20 Dec 18	1536.4	<p>C/W a 100hr/ annual inspection this date. C/W AD 2011-10-09 seat rails. C/W AD list as of January 2019. C/W ELT check per FAR 91.207 part (d). No defects noted. Replace left & right MLG tires, Goodyear P/N - 6.00-6 6 PLY 606C61B1 and tubes Michelin, P/N - 092-500-0. Replaced NLG tire, Goodyear P/N - 500-5 4 PLY 505C41-4 and tube, Michelin P/N - 092-308-0. Replaced both left & right brake linings. Replaced NLG strut seals, AN900-8, MS16624-1150, MS28775-128, 5-330 N674-70, and scraper ring S11065-20T. Serviced strut with 5606 Hyd fluid and proper charge. Additional parts list and details in aircraft permanent records. Inspected airframe, cables, pullies, battery, structure, and lubed control surfaces. All work IAW Cessna 177 MM and Service instructions. I certify this has been inspected IAW an annual/ 100hr inspection and is found to be airworthy. This aircraft has been approved for return to service.</p> <p>GRANBURY AVIATION SERVICES (GAS) RON STOWELL 3645895IA</p>

N18523

1977 Cessna Cardinal C177B

17702541

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
 <p>Granbury Aviation Services, LLC 344 Howard Clemmond Rd, Granbury, TX 682-205-3305 granburyaircraftservices@gmail.com Granbury Regional KGDJ</p>				
<p>A/C N# N18523 MAKE: Cessna MODEL: 177-B S/N: 17702541 TACH: 1539.3 TTIS 1539.3 CURRENT DATE: 3/8/2019</p>				
<p>Description of work performed:</p> <p>Installed new Electronics International CHT P/N C-1P S/N 21395. All work IAW with manufactures installation and service instructions under STC# SA3862NM. FAA form 337 and ICA information in permanent aircraft records. Ground function check with no defects noted. <i>[Signature]</i></p>				
<p>GRANBURY AVIATION SERVICES, LLC (GAS) RON STOWELL A&P 3645895 IA</p>				


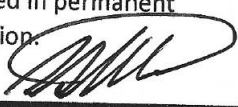
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Date	TTSN	Remarks
8 Mar 19	1539.3	<p>Installed new Electronics International CHT P/N C-1p S/N 21395. All work IAW manufacturer's installation and service instructions under STC# SA3862NM. FAA Form 337 and ICA information in permanent aircraft records. Ground function check with no defects noted.</p> <p>GRANBURY AVIATION SERVICES (GAS) RON STOWELL 3645895IA</p>

N18523

1977 Cessna Cardinal C177B

17702541

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
 <p>Granbury Aviation Services, LLC 344 Howard Clemmond Rd, Granbury, TX 682-205-3305 granburyaircraftservices@gmail.com Granbury Regional KGDJ</p>				
<p>A/C N# N18523 MAKE: Cessna MODEL: 177B S/N: 17702541 TACH: 1567.5 TTAF 1567.5 CURRENT DATE: QS200-10H</p>				
<p>Description of work performed:</p> <p>Installed exhaust fairing PN: EP5001-001 S/N: W1117844 on lower engine cowling. All work IAW Maple Leaf Aviation Limited STC# SA01386NY. FAA form 337 on file and located in permanent aircraft records. Refer to manufactures instruction form W-2007 ICA information.</p> <p style="text-align: right;"></p>				
<p>GRANBURY AVIATION SERVICES, LLC (GAS) RON STOWELL A&P 3645895 IA</p>				

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Date	TTSN	Remarks
	1567.5	<p>Installed exhaust fairing PN EP5001-001 S/N W11177844 on lower engine cowling. All work IAW Maple Leaf Aviation Limited STC# SA01386NY. FAA Form 337 and ICA information in permanent aircraft records. Refer to manufacturer's instruction for W-2007 ICA information.</p> <p>GRANBURY AVIATION SERVICES (GAS) RON STOWELL 3645895IA</p>

N18523**1977 Cessna Cardinal C177B****17702541**

DATE 19____	RECORDING TACH TIME	 Granbury Aviation Services LLC, 344 Howard Clemmons Rd , Granbury TX 76048 Date: 8-30-2019 Logbook: Airframe Tail Number: N18523 Tach: 1583.4 Model: 177B Serial: 17702541																	
Repairs / Maintenance																			
<ul style="list-style-type: none">Removed turn coordinator pn:1394T100-7B unit sn:H12-10452 for overhaul by Fieldtech Avionics work order#202904. Reinstalled same unit with current 8130-3 in permanent aircraft records.																			
GRANBURY AVIATION SERVICES, LLC (GAS) Ron Stowell			A&P 3645895 IA																
<table border="1"><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>																			
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Date	TTSN	Remarks
30 Aug 19	1583.4	Removed turn coordinator pn: 1394T100-7B unit S/N H12-10452 for overhaul by Fieldtech Avionics work order # 202904. Reinstalled same unit with current t8130-3 in permanent aircraft records. GRANBURY AVIATION SERVICES (GAS) RON STOWELL 3645895IA

N18523

1977 Cessna Cardinal C177B

17702541

Repair

Granbury Aviation Services LLC, 344 Howard Clemmons Rd., Granbury TX 76048

Date: 12-30-2019 Logbook: Airframe Tail Number: N18523

Tach: 1600.4 Model: 177B Serial: 17702541

Repairs / Maintenance

- Replaced existing rear white position light with uAvionix tailBeacon assembly, Part # UAV-1002183-001 unit s/n:2007057 in accordance with tailBeacon STC Installation Guide, Document # UAV-1002514-001. Used existing position light circuit and confirmed appropriate per AC43.13-1B Chapter 11, Section 5&6.
- Existing rear position light wiring was terminated to the tailBeacon position light wire (red wire) using environmental splice (Part # UAV-1001487-001 or equivalent). tailBeacon ground wire (black wire) was terminated to airframe structure or ground wire as appropriate.
- Configuration of the tailBeacon was performed with the following data:
 - Anonymous Mode Off
 - Call Sign: N18523
 - ICAO Number: A155F9
 - Vso: 47 (kts)
 - ADS-B In Capability: 978mhz
 - Position Light: On
 - Emitter Type: Light Airplane
 - Aircraft Length: 15 meters
 - Aircraft Width: 23 meters
 - GPS Antenna Offset (Lateral): -6 meters
 - GPS Antenna Offset (Longitudinal): 0 meters

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[illegible]

N18523**1977 Cessna Cardinal C177B****17702541**

Date	TTSN	Remarks
30 Dec 19	1600.4	<p>Repairs / Maintenance</p> <ul style="list-style-type: none"> Replaced existing rear white position light with uAvionix tailBeacon assembly, Part # UAV-1002183-001 unit s/n:2007057 in accordance with tailBeacon STC Installation Guide, Document # UAV-1002514-001. Used existing position light circuit and confirmed appropriate per AC43.13-1 B Chapter 11, Section 5&6. Existing rear position light wiring was terminated to the tailBeacon position light wire (red wire) using environmental terminated to airframe splice (Part structure # UAV-1001487-001 or equivalent). tailBeacon ground wire (black wire) was terminated to airframe structure or ground wire as appropriate. Configuration of the tailBeacon was performed with the following data: <ul style="list-style-type: none"> Anonymous Mode Off Call Sign: N18523 ICAO Number: A155F9 Vso: 47 (kts) ADS-B In Capability: 978mhz Position Light: On Emitter Type: Light Airplane Aircraft Length: 15 meters Aircraft Width: 23 meters CPS Antenna Offset (Lateral): -6 meters CPS Antenna Offset (Longitudinal): 0 meters 1. Placard installed next to position light switch. 2. tailBeacon Instructions for Continued Airworthiness uAvionix Document # UAV-1002513-001 3. tailBeacon Fight Manual Supplement: uAvionix Document # UAV-1002512-001 4. Airworthiness Limitations: No additional Airworthiness Limitations. 5. Change to Weight and Balance is negligible. Equipment list was revised 6. If installed on a moving control surface, specific attention must be paid to proper balance. Refer to the Manufacturer's Service Manual to determine if balancing is required and for balancing instructions. 7. The above modification was found not to interfere with other installed systems and/or modifications and does not exceed 80% of generator output. No adverse interference to radios and navigation systems from RFI was found while operating the tailBeacon during the configuration process. 8. The installed ADS-B OUT system was shown to meet the equipment performance requirements of 14 CFR section 91.227. SSID: Beacon-50A2 Pass, ScudBiplane <p>GRANBURY AVIATION SERVICES (GAS) RON STOWELL 3645895IA</p>

DATE 2019 12-30-2019	TOTAL TIME IN SERVICE	Reference of Major Repairs and Major Alterations To FAA Form ACA-337 by Date, or to the Work Order by Number
12-30-2019 I CERTIFY THAT A DATA CORRESPONDENCE CHECK PER FAR SECTION 91.217 (a) (2), (3) HAS BEEN COMPLETED CAMPUS AVIONICS SERVICES # OWLR426L AR-850 S/N 55093 <i>Peter Heffley</i>		
12-30-2019 I CERTIFY THAT ALTIMETER AND STATIC SYSTEM TESTS REQUIRED BY FAR SECTION 91.411 HAVE BEEN PERFORMED. THE ALTIMETER WAS TESTED TO 20,000 FEET ON 12-30-19 . THE ALTIMETER IS WITHIN TOLERANCES SPECIFIED IN FAR 43 APPDX. E. CAMPUS AVIONICS SERVICES CRS # OWLR426L UNITED 5934P-1 S/N 4-1070 <i>Peter Heffley</i>		
12-30-2019 I CERTIFY THAT ATC TRANSPONDER TESTS REQUIRED BY FAR SECTION 91.413 HAVE BEEN PERFORMED. THE TRANSPONDER IS WITHIN TOLERANCES SPECIFIED IN FAR PART 43 APPENDIX F AND PARAGRAPH C APPENDIX E. CAMPUS AVIONICS SERVICES # OWLR426L AT-165K S/N 60049 <i>Peter Heffley</i>		

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Date	TTSN	Remarks
30 Dec 19		I certify that a data correspondence check per FAR section 91.217 (a) (2), (3) has been completed. AR-850 S/N 55093 Campus Avionics Services # OWLR426L Peter Heffley
30 Dec 19		I certify that altimeter and static system tests required by FAR Section 91.411 have been performed. The altimeter was tested to 20,000 feet on 30 Dec 19. The altimeter is within tolerance specified in FAR 43 Appendix E. Campus Avionics Services # OWLR426L Peter Heffley
30 Dec 19		I certify that ATC transponder tests required by FAR Section 91.413 have been performed. The transponder was within tolerance specified in FAR 43 Appendix F and paragraph C, Appendix E. Campus Avionics Services # OWLR426L Peter Heffley


DATE 19 TO TIME SE

Granbury Aviation Services LLC, 344 Howard Clemmons Rd., Granbury TX 76048
Date: 05-01-2020 Logbook: Airframe Tail Number: N18523

Tach: 1607.4 Model: 177B Serial: 17702541 Work Order: 81

Repairs / Maintenance

- Performed a 100 hr./ Annual inspection this date. Inspected wheels, tires, brakes, fuselage, windows, wings, flight controls, interior, instruments and placards. CW ELT function check IAW FAR 91.207(d) with no defect noted. ELT battery replacement due May, 2022. Below is the listed discrepancies.
- Tensioned aileron, elevator, elevator trim, rudder flight control cables IAW Cessna Air frame manual. Replaced co-pilot's door handle with new Cessna 0517003-2. Replaced pilot's seat stop with new Cessna MC0511242-1. Replaced all 14 cowlings to air frame mounts with new Cessna J7444-14. Replaced all 10 upper to lower cowlings. Replaced receptacles with new Cessna S1115-19. Serviced brake master cylinders with Phillips 66 Hydraulic Fluid. Replaced ELT Battery With New Marl, Inc. P/N BP-1015. ALL work IAW Cessna 177-B MM. Service instructions and AC 43-13-182b.
- This aircraft has been inspected in accordance with a 100 hr. / Annual inspection. All applicable AD's have been complied with and current list is in permanent aircraft records. The inspection was conducted using scope and detail outlined in FAR 43 appendix D and the manufacturers recommended inspection check list. All noted discrepancies during this inspection have been corrected. This aircraft is found to be in an airworthy condition and is approved for return to service on this date. This aircraft has been test flown with no defects noted.
- CW AD 36-26-04 Shoulder harness adjuster, no defects noted.
- CW AD 87-20-03 R2, Seat Tracks with no defects noted.

Granbury Aviation Services LLC Ronnie Stowell  AP3645895IA

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Date	TTSN	Remarks
01 May 20	1607.4	<p>Repairs/Maintenance</p> <ul style="list-style-type: none"> Performed a 100hr./Annual inspection this date. Inspected wheels, tires, brakes, fuselage, windows, wings, flight controls, interior, instrument and placards. CW ELT function check IAW FAR 91.207(d) with no defect noted. ELT battery replacement due May 2022. Below is listed the discrepancies. Tensioned aileron, elevator, elevator trim, flight control cables IAW Cessna Airframe manual. Replaced co-pilot's door handle with new MC0511242-1. Replaced all 10 upper and lower cowling receptacles with new Cessna S1115-19. Serviced brake master cylinders with Phillips 66 Hydraulic Fluid. Replaced ELT battery with new Merl, Inc. P/N bp-1015. All work IAW Cessna 177B-MM. Service instructions and AC 43-13-1&2b. This aircraft has been inspected in accordance with a 100 hr./ Annual inspection. All applicable AD's have been complied with and current list is in permanent aircraft records. The inspection as conducted using scope and detail outlined in FAR 43 appendix D and the manufacturer's recommended inspection check list. All noted discrepancies during this inspection have been corrected. This aircraft is found to be in an airworthy condition and is approved for return to service on this date. This aircraft has been test flown with no defects noted. CW AD 86-26-04 Shoulder harness adjuster, no defects noted. CW AD 87-20-03 R2, Seat Tracks with no defects noted. <p>Granbury Aviation Services, LLC. Ronnie Stowell AP3645895IA</p>

