

THE **adlog**TM AIRCRAFT
MAINTENANCE
RECORDKEEPING
SYSTEM

**AVIONICS
MAINTENANCE
RECORDS**



AVIONICS MAINTENANCE RECORDS

(including transponder biennial checks)

Log No. _____

Aircraft Registration No. N18729

Aircraft Manufacturer CESSNA

Model 177B

Serial No. 17702550

EQUIPMENT LISTING

List all installed avionics, autopilot and flight director equipment.

Mfg.	Model	Serial No.
1.	_____	_____
2.	_____	_____
3.	_____	_____
4.	_____	_____
5.	_____	_____
6.	_____	_____
7.	_____	_____
8.	_____	_____
9.	_____	_____
10.	_____	_____
11.	_____	_____
12.	_____	_____
13.	_____	_____
14.	_____	_____
15.	_____	_____
16.	_____	_____
17.	_____	_____
18.	_____	_____
19.	_____	_____
20.	_____	_____



AEROTECH PUBLICATIONS INC.

www.adlog.com
PO BOX 1359 / SOUTHOLD, NY 11971-0965
(631) 765-9375
1-800-235-6444
FAX: (631) 765-9359

Page No. ✓

DATE	AIRFRAME TIME IN SERVICE	AVIONICS TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
8/1/04	4293.3		<p>Cessna Cardinal N18729 (VFR Cert) July 29, 2004 Tested the United Altimeter & Matched the ACK Encoder to 20,000ft. Performed the Data Correspondence Tests between the Automatically Reported Pressure Altitude data and the Pilot's Altitude Reference to comply with FAR.91.217. Certified by STAHL AIR INSTRUMENTS, INC. CRS#WM1R589K. WO# 1756</p> <p>By <u>[Signature]</u></p>
			<p>Aircraft Logbook entry for <u>N18729</u> See FAA form 337 Dated: <u>NA</u> Maintenance performed: <u>RADIO MAINTENANCE ON 328T NAVCOM TO CORRECT XMT PROBLEM AND RECONFIGURE MK12D FOR ARC TYPE NAVCOM S</u> Work identified was inspected <u>LAW</u> current FAA regulations and found <u>airworthy for return to service</u>, see Nova Avionics WO nr. <u>100448+100477</u> on file at this Repair Station <u>N2SR866J</u> Signed <u>[Signature]</u> Date: <u>3-3-05</u> <u>TACH 4320.0</u></p>
4/2/10	AFTT 4771.1		<p>ATC TRANSPONDER TESTS AND INSPECTIONS AS REQUIRED BY FAR 91.217 AND 91.413 IN ACCORDANCE WITH APPENDICES E AND F HAVE BEEN PERFORMED. EQUIPMENT MEETS STANDARDS. TRANSPONDER MODEL <u>GTX 330</u> SN <u>84124934</u> SIGNED <u>[Signature]</u> ISLAND AVIATION, INC. FAA REPAIR STATION KCOR492F 1000 AIRPORT RD FERNANDINA BEACH, FL 32034</p>
			<p>CERTIFY THAT THE ALTIMETER AND STATIC SY. TESTS REQUIRED BY FAR PART 91.411 HAVE BEEN PERFORMED. THE ALTIMETER WAS TESTED TO <u>30K</u> FEET ON <u>4/6/10</u> DATE SIGNED <u>[Signature]</u> ISLAND AVIATION 1000 AIRPORT ROAD FERNANDINA BCH, FL 32034 FAA CFRT. REPA STA #KCOR492F</p>

DATE	AIRFRAME TIME IN SERVICE	AVIONICS TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK																																																
			FAA Certified Repair Station KCOR492F Island Aviation Services, Inc. 1000 Airport Road Fernandina Bch., FL 32034 SN <u>M5644</u>																																																
			<table border="1"> <thead> <tr> <th>ALTITUDE FT.</th> <th>ALTIMETER READS</th> <th>ALTITUDE FT.</th> <th>ALTIMETER READS</th> </tr> </thead> <tbody> <tr><td>-1000</td><td>-20</td><td>12000</td><td>+20</td></tr> <tr><td>0</td><td>-20</td><td>14000</td><td>+20</td></tr> <tr><td>500</td><td>-20</td><td>16000</td><td>+25</td></tr> <tr><td>1000</td><td>-10</td><td>18000</td><td>+30</td></tr> <tr><td>1500</td><td>-10</td><td>20000</td><td>+35</td></tr> <tr><td>2000</td><td>0</td><td>22000</td><td></td></tr> <tr><td>3000</td><td>-10</td><td>25000</td><td>X</td></tr> <tr><td>4000</td><td>0</td><td>30000</td><td></td></tr> <tr><td>6000</td><td>-10</td><td>35000</td><td></td></tr> <tr><td>8000</td><td>-10</td><td></td><td></td></tr> <tr><td>10000</td><td>0</td><td></td><td></td></tr> </tbody> </table>	ALTITUDE FT.	ALTIMETER READS	ALTITUDE FT.	ALTIMETER READS	-1000	-20	12000	+20	0	-20	14000	+20	500	-20	16000	+25	1000	-10	18000	+30	1500	-10	20000	+35	2000	0	22000		3000	-10	25000	X	4000	0	30000		6000	-10	35000		8000	-10			10000	0		
ALTITUDE FT.	ALTIMETER READS	ALTITUDE FT.	ALTIMETER READS																																																
-1000	-20	12000	+20																																																
0	-20	14000	+20																																																
500	-20	16000	+25																																																
1000	-10	18000	+30																																																
1500	-10	20000	+35																																																
2000	0	22000																																																	
3000	-10	25000	X																																																
4000	0	30000																																																	
6000	-10	35000																																																	
8000	-10																																																		
10000	0																																																		
			Date <u>4/6/10</u> Tested by <u>[Signature]</u>																																																

ISLAND AVIATION INC.

602 Airport Road
 FERNANDINA BEACH, FL 32034

Date: 3/14/13 Make: CSSUA Model: 177B SN# 17702550 N# 778RD
 HOBBS/TACH: 628.4 AFTT: 5118.2 W/O# 8476

I certify that the Altimeter and static system tests required by CFR 14 Part 91.411 have been performed. The altimeter was tested to 20,000 feet.

This Aircraft, Airframe, or Appliance identified herein was repaired or inspected IAW current regulations of the Federal Aviation Administration and is approved for return to service. KCOR492F

Signature: [Signature] Date: 3/14/13

ISLAND AVIATION INC.

602 Airport Road
 FERNANDINA BEACH, FL 32034

Date: 3/14/13 Make: CSSHA Model: 177B SN# 17702550 N# 778RD
 HOBBS/TACH: 628.4 AFTT: 5118.2 W/O# 8476

ATC Transponder test and inspections as required by 14CFR Part 91.217 and 91.413 IAW Appendices E and F have been performed. Equipment meets standards.

Transponder model: GARMIN 330D S/N: 84124934

This Aircraft, Airframe, or Appliance identified herein was repaired or inspected IAW current regulations of the Federal Aviation Administration and is approved for return to service. KCOR492F

Signature: [Signature] Date: 3/14/13

FAA Certified Repair Station KCOR492F
 Island Aviation Services, Inc.
 602 Airport Road
 Fernandina Bch., FL 32034

Form 6B

UNITED
 5934P-1
 SN M5644

ALTITUDE FT.	ALTIMETER READS	ALTITUDE FT.	ALTIMETER READS
-1000	0	12000	+20
0	-10	14000	+40
500	+10	16000	+80
1000	0	18000	+70
1500	0	20000	+90
2000	-10	22000	
3000	-5	25000	
4000	0	30000	X
6000	-20	35000	
8000	-10		
10000	+10		

Date 3/14/13 Tested by [Signature]

DATE

wo: WO_KGXY-N778RD-256

Page No.

Airframe - page 1 of 2



Advanced Aerotechnologies Group - 631 Buss Avenue - Greeley, CO 80631 - 970-373-3295 - CRS#: 270D157C

N778RD
TACH: 1201.7

CESSNA, 177B, S/N: 17702550

February 24, 2021

1. This aircraft's Pitot/Static system has been inspected and tested in accordance with FAR part 43 Appendix E, and have been found to comply with FAR 91.411. Leak rate 25 ft/min. Tolerance 100 ft/min. Pitot heat test good. General condition good. Debris, Moisture, Obstructions Clear. This aircraft's Altimeter and Altitude reporting equipment have been inspected and tested in accordance with FAR 43 appendix E and F and have been found to comply with FAR 91.411 Aircraft's altimeter s/n M5644, Altitude encoder s/n SRA11232 tested to 18,000 ft. This aircraft's ATC transponder system has been inspected and tested in accordance with FAR 43 appendix F and has been found to comply with FAR 91.413 Transponder GTX330ES s/n 84124934.
2. Troubleshoot aircraft's static system and found missing nylons inserts at some Tee's and unions. Installed inserts where needed. Found Pilot's Static port sump unable to be tightened due to damaged threads. Installed new Static Port Sump and checked integrity of static system and found satisfactory. With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Advanced Aerotechnologies Group under work order: WO_KGXY-N778RD-256.

wo: WO_KGXY-N778RD-256

Airframe - page 2 of 2



Advanced Aerotechnologies Group - 631 Buss Avenue - Greeley, CO 80631 - 970-373-3295 - CRS#: 270D157C

George Aikens CRS 270D157C

M-C



Bragg Avionics, Inc. • 882 Bragg Avenue • Jacksonville, FL 32225
(904) 564-1717 • (904) 564-1718 • www.braggavionics.com
FAA Repair Station #UV1R546K

Registration No.	Aircraft Make	Aircraft Model	Aircraft SN	Work Order Date	Work Order No.
N778RD	Cessna	177B	17702550	06/21/2022	13405

Removed & reinstalled GNS 430W after factory repairs. Calibrated CDI, all okay. Ramp tested aircraft, all okay.
Work performed IAW Cessna MM, Garmin GNS 400W Series STC IM.

WAAS/GPS/NAV/COM

Garmin GNS 430W

PN 011-01060-00

SN 23400584

For details see work order. The aircraft and/or component identified above was repaired and inspected IAW current F.A.A. regulations and was found air-worthy for return to service. Pertinent details of the work order are on file at this agency.

Signature: _____

M. Bragg



Bragg Avionics, Inc. • 882 Bragg Avenue • Jacksonville, FL 32225
(904) 564-1717 • (904) 564-1718 • www.braggavionics.com
FAA Repair Station #UV1R546K

Registration No.	Aircraft Make	Aircraft Model	Aircraft SN	Work Order Date	Work Order No.
N778RD	Cessna	177B	17702550	06/21/2022	13305

Removed & reinstalled GMX 200 after factory repairs. Corrected GMX 200 system ID with factory, as necessary, & loaded flite charts & safe taxi to card. Removed & reinstalled JPI 800 after factory rebuild. Ramp tested aircraft, all okay.

Work performed IAW Cessna MM, Garmin GMX 200 IM, AC 43.13-1B, JPI IM.

MFD Display

Garmin GMX 200

PN 011-01271-00

SN 38300529

Engine Monitor

JPI EDM 800

PN EGT-701-4C

SN 24535

For details see work order. The aircraft and/or component identified above was repaired and inspected IAW current F.A.A. regulations and was found air-worthy for return to service. Pertinent details of the work order are on file at this agency.

Signature: _____

M. Bragg

Page No. _____

14743

N778RD

DATE	AIRFRAME TIME IN SERVICE	AVIONICS TIME IN SERVICE	DESCRIPTION SIGNATURE & DATE
FAR 91.411			
ALTIMETERS, ALTITUDE REPORTING EQUIPMENT AND STATIC PRESSURE SYSTEM HAVE BEEN CHECKED AND MEET ALL SPECIFICATIONS OF APPENDIX E PART 43			
ALTIMETER CERTIFIED TO			
LEFT	FEET	RIGHT	FEET
	20,000		
S/N:	M5644	S/N:	
DATE:	2-21-2023	INSPECTOR:	Richard Ellington
	W/O 1119		
CAROLINA AVIONICS GROUP, LLC			
FAA APPROVED REPAIR STATION # QCCR-389K 14743			

Altimeter Calibration Form

Bragg Avionics, Inc.

Customer Name (Company / Last)	Work Order #	Date
N778RD	15598	2/17/25

Baro	Temp	Humid
30.05	56°F	77%

Cal (in)	Tot in Hg	Friction #1-12
1 -1000	20	0
0	20	0
500	20	0
1000	20	0
1500	20	0
2000	20	0
2500	20	0
3000	20	0
3500	20	0
4000	20	0
4500	20	0
5000	20	0
5500	20	0
6000	20	0
6500	20	0
7000	20	0
7500	20	0
8000	20	0
8500	20	0
9000	20	0
9500	20	0
10000	20	0
10500	20	0
11000	20	0
11500	20	0
12000	20	0
12500	20	0
13000	20	0
13500	20	0
14000	20	0
14500	20	0
15000	20	0
15500	20	0
16000	20	0
16500	20	0
17000	20	0
17500	20	0
18000	20	0
18500	20	0
19000	20	0
19500	20	0
20000	20	0

ADC or Altimeter
 Standby Altimeter
 RVSM Compliant
 Pilot Altimeter
 Copilot Altimeter

Barometric Scale Error at 28.83	Altitude (ft. 28.83)
28.10	-1727
29.50	-657
29.50	-552
29.50	0
29.50	551
30.50	893
30.90	974
30.99	

Hysteresis (75°)

20K 30 14' = 40% = 40%
 10' = 50% 20 15' = 50% = 50%

Remarks

Inspection and Return to Service

Technicians Initials: V.F. V.F. Aircraft: Article: Date: 2/17/25

First Inspection: [Signature] Return to Service: [Signature]

Return to service IAW FAR 43.9 directed that the above test have been performed IAW FAR Part 43, Appendix E and F and the systems test were found to meet the requirements for FAR 91.411.

82 Bragg Avenue Jacksonville, FL 32225 AA Repair Station #UV1R546K

Office 904-564-1717 Alt. 904-564-1718 www.braggavionics.com

FAR 91.413			
THE ATC TRANSPONDERS AND INSPECTIONS AS REQUIRED BY FAR 91.413 WERE PERFORMED THIS DATE AND FOUND TO COMPLY WITH PART 43 APPENDIX F AND APPENDIX E PARAGRAPH C.			
TRANSPONDER #1	MAKE: Garmin	MODEL: GTX30ES	S/N: 84124934
TRANSPONDER #2	MAKE:	MODEL:	S/N:
DATE:	WO:	INSPECTOR:	
2-21-2023	11119	Richard Ellington	
CAROLINA AVIONICS GROUP, LLC			
FAA APPROVED REPAIR STATION # QCCR-389K 14743			

wo: 14202 Avionics · page 1 of 1

Bragg Avionics, Inc. · 882 Bragg Ave. · Jacksonville, Florida 32225 · 904-564-1717 · CRS#: UV1R546K

N778RD CESSNA, 177B, S/N: 17702550 July 17, 2023

Installed P/N 011-01060-00 - GNS430W S/N: 23400485 Reinstalled Factory repaired unit and calibrated CDI, ramp tested all ok.

The aircraft and/or component identified above was inspected IAW current F.A.A. regulations and was found air-worthy for return to service. Details of work performed are on file with Bragg Avionics, Inc. under work order: 14202.

Michael Bragg Repairman 2518588

wo: 15598 Avionics · page 1 of 1

Bragg Avionics, Inc. · 882 Bragg Ave. · Jacksonville, Florida 32225 · 904-564-1717 · CRS#: UV1R546K

N778RD CESSNA, 177B, S/N: 17702550 February 18, 2025

Repaired static leaks and adjusted encoder. Performed altimeter test(s) to 20,000 feet (s/n 5644). Performed transponder test(s) (GTX 330 ES s/n 84124934). Performed data correspondence test(s) to 20,000 feet. Performed pitot static system leak test(s). I certify that the altimeter(s) and static system(s) tests required by 14 CFR 91.411 and transponder(s) tests, including data correspondence, required by 91.217 and 91.413, have been performed and found to comply with 14 CFR part 43, appendix E and F. Next IFR due 02/2027 The aircraft and/or component identified above was inspected IAW current F.A.A. regulations and was found air-worthy for return to service. Details of work performed are on file with Bragg Avionics, Inc. under work order: 15598.

Vitaliy Fedchenko Repair Station UV1R546K