
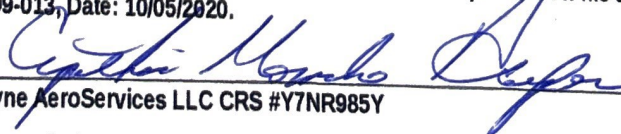


Aircraft Registration Number: \_\_\_\_\_

Aircraft Serial Number \_\_\_\_\_

Date	Airframe Time in Service	Avionics Time in Service	Description of work performed Signature and Certificate Number of Person Performing Work
			<p><b>AvDyne AeroServices, LLC</b></p> <p>MAKE: Cirrus MODEL: SR22 SERIAL NO.: 4720 REGISTRATION NO.: N181MC</p> <p>Altimeter, static system and altitude reporter has been tested as required by FAR 91.411 for all components tested as per FAR 43 appendix E and AC 43-6B. Tested to 20,000 feet.</p> <p>Primary #1 altimeter model: Garmin GDC 1 PN: 011-03094-00 SN: 3KY002517</p> <p>Primary #2 altimeter model: Garmin GDC 2 PN: 011-03094-00 SN: 3KY002635</p> <p>Secondary altimeter model: Mid-Continent PN: 6420302-6 SN: H18-11214</p> <p>All components have been found to meet the requirements of FAR91.411 and in approved for return to service. Pertinent details of inspection are on file at agency under Work Order No.: 20-09-013, Date: 10/05/2020.</p> <p>Signed:  For AvDyne AeroServices LLC CRS #Y7NR985Y</p>
			<p><b>AvDyne AeroServices, LLC</b></p> <p>MAKE: Cirrus MODEL: SR22 SERIAL NO.: 4720 REGISTRATION NO.: N181MC</p> <p>Performed ATC transponder test required by FAR91.413. Transponder tested per FAR 43 appendix E and F as required.</p> <p>Transponder Model: Garmin GTX 345R Transponder PN: 011-03303-00 Transponder SN: 3EH021735 Encoder Model: Garmin GDC Encoder PN: 011-0304-00 Encoder SN: 3KY002517 &amp; 3KY002635</p> <p>//////////////////////////////////////END//////////////////////////////////////</p> <p>This transponder identified above has been found to meet the requirements of FAR91.413 and is approved for return to service. Pertinent details of the repair are on file at agency under Work Order No.: 20-09-013, Date: 10/05/2020.</p> <p>Signed:  For AvDyne AeroServices LLC CRS #Y7NR985Y</p>

# AvDyne AeroServices LLC

P.O. Box 8779 BWI Airport Baltimore, Md. 21240

FAA Repair Station CRS# Y7NR985Y

Reference: FAR 91.411, FAR 43 Appendix E, AC 43-6B

Phone 410-859-3917~Fax 410-859-0704

## IFR Certification Altimeter System

Customer Name: <i>OPEN AIR</i>		Date: <i>10-05-2020</i>
W/O No: <i>20-09-013</i>	A/C No: <i>N 1814C</i>	Hobbs: <i>603.4</i>
A/C Make and Model <i>CIRRUS SR22</i>		A/C S/N: <i>4720</i>
Altimeter P/N: <i>011-63094.00</i>		S/N: <i>3KY002517</i>
Altimeter Primary: <i>GDC 1</i>	Secondary:	Make: <i>GARMIN</i>

Test No: 1			
Altitude Feet	Tolerance +/- Feet	Up	Down
-1000	20	-	-
0	20	-	-
500	20	-	-
1000	20	-	-
1500	25	-	-
2000	30	-	-
3000	30	-	-
4000	35	-	-
6000	40	-	-
8000	60	-	-
10000	80	-	-

Altitude Pressure			
Altitude Feet	Tolerance +/- Feet	Up	Down
12000	90	-	-
14000	100	-	-
16000	110	-	-
18000	120	-	-
20000	130	-	-
22000	140	-	-
25000	155	-	-
30000	180	-	-
35000	205	-	-
40000	230	N/A	N/A
45000	255	N/A	N/A

TEST NO. 2 FRICTION								
Altitude Feet	Altimeter Reads	Tolerance Feet	Altitude Feet	Altimeter Reads	Tolerance Feet	Altitude Feet	Altimeter Reads	Tolerance Feet
1000	<del>/</del>	+/- 70	10000	<del>/</del>	+/- 80	30000	<del>/</del>	+/- 140
2000	<del>/</del>	+/- 70	15000	<del>/</del>	+/- 90	35000	<del>/</del>	+/- 160
3000	<del>/</del>	+/- 70	20000	<del>/</del>	+/- 100	40000	N/A	+/- 180
5000	<del>/</del>	+/- 70	25000	<del>/</del>	+/- 120	50000	N/A	+/- 250

Altitude Difference	Altimeter Reads	Pressure In. of HG	MB	Adjusted Altimeter Reading	Tolerance Feet	Case Leak Test	Hysteresis Test	After Effect Test
-1727	<i>-1820</i>	28.10	952	<i>-7</i>	+/- 25	<i>0</i>	<i>NA</i>	<i>NA</i>
-1340	<i>-1440</i>	28.5	965	<i>0</i>	+/- 25			
-863	<i>-960</i>	29	982	<i>-3</i>	+/- 25			
-392	<i>-490</i>	29.50	999	<i>-2</i>	+/- 25	<i>0</i>	<i>NA</i>	<i>NA</i>
0	<i>+100</i>	29.92	1013		+/- 25			
531	<i>430</i>	30.5	1032	<i>-1</i>	+/- 25			
893	<i>800</i>	30.9	1046	<i>+7</i>	+/- 25			
974	<i>880</i>	30.99	1049	<i>+6</i>	+/- 25			

Certification performed by *Cathy Woods DePa* PASS FAIL

Avdyne AeroServices, LLC  
1 Aaronson Drive Glen Burnie, MD 21061  
FAA Repair Station CRS# Y7NR985Y  
Phone: 410-859-3917 Fax:410-859-0704

**ATC TRANSPONDER CERTIFICATION**

Customer Name: OPEN AIR  
W/O Number: 20-09-013  
A/C Number: N181AC  
A/C S/N: 4720  
Transponder Model: GARMIN GTX 345R  
Transponder P/N: 011-03303-00  
Transponder S/N: 3EH021735  
Encoder Model: GARMIN GDC  
Encoder P/N: 011-0324-00  
Encoder S/N: 3KY002517 3KY002635

1. Radio Reply Frequency Test.	PASS <input checked="" type="checkbox"/>	FAIL <input type="checkbox"/>
2. Suppression Test.	PASS <input checked="" type="checkbox"/>	FAIL <input type="checkbox"/>
3. Receiver Sensitivity Test.	PASS <input checked="" type="checkbox"/>	FAIL <input type="checkbox"/>
4. RF Peak Output Power Test.	PASS <input checked="" type="checkbox"/>	FAIL <input type="checkbox"/>
5. Altitude Reporting Results.	PASS <input checked="" type="checkbox"/>	FAIL <input type="checkbox"/>

All test to be performed in Reference to Federal Aviation Regulation 43  
Appendix F and aircraft maintenance manual.

Certification Check Performed By: Cynthia Monica Ayala  
DATE: 10-05-2020

A/C No.	N181MC
Telephone	913-702-4570



New Century Air Center  
 280 Gardner Drive, Suite 3  
 New Century, Kansas 66031-1104  
 Phone: (913) 829-4606 FAX: (913) 829-4326

**REPAIR WORK ORDER**

MS20300/83159

Customer	Fly Kilo Charlie			PO:	
Address	280 Gardner Drive Ste 1 New Century KS 66031				
Received	10/29/2021	Via	A/C		
Estimated Ship Date		Via			

Description		Cirrus-10			
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Part Number		M/N		S/N		Prelim	<i>AC</i>
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Complaint SB SB2X-42-22R2 compliance required.

Corrective Action Complied with SB SB2X-42-22R2. Functional check OK.

Hidden Damage		Progressive	<i>AC</i>
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Final	<i>AC</i>
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Functional Test, No Defect	
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Part Number		M/N		S/N		Prelim	
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Complaint

Corrective Action

Hidden Damage		Progressive	
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Final	
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Functional Test, No Defect	
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Part Number		M/N		S/N		Prelim	
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Complaint

Corrective Action

Hidden Damage		Progressive	
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Final	
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Functional Test, No Defect	
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Part Number		M/N		S/N		Prelim	
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Complaint

Corrective Action

Hidden Damage		Progressive	
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Final	
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Functional Test, No Defect	
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Part Number		M/N		S/N		Prelim	
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Complaint

Corrective Action

Hidden Damage		Progressive	
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Final	
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Functional Test, No Defect	
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Part Number		M/N		S/N		Prelim	
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Complaint

Corrective Action

Hidden Damage		Progressive	
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Final	
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Functional Test, No Defect	
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Part Number		M/N		S/N		Prelim	
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Complaint

Corrective Action

Hidden Damage		Progressive	
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Final	
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Functional Test, No Defect	
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Comments:

Ship Date:		Work Supervised By	<i>Andrew Lake</i>	Date	<i>29 November 2001</i>
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The above identified equipment was repaired and/or inspected in accordance with the current regulations of the Federal Aviation Administration and is hereby certified as airworthy and is approved for return to service by

*AC* 4391946

Parts	
Labor	