

Avionics Log



Aricraft Registration Number: Aircraft Serial Number **Description of work performed** Airframe Time in **Avionics Time in** Date Signature and Certificate Number of Person Performing Work Service Service AvDyne AeroServices, LLC MAKE: Cirrus DATE: 10/05/2020 MODEL: SR22 WORKORDER: 20-09-013 SERIAL NO.:4720 A/C TOTAL TIME: 603.4 **REGISTRATION NO.: N181MC TACH TIME: 499.7** 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. Primary #1 altimeter model: Garmin GDC 1 PN: 011-03094-00 SN: 3KY002517 Primary #2 altimeter model: Garmin GDC 2 PN: 011-03094-00 SN: 3KY002635 Secondary altimeter model: Mid-Continent PN: 6420302-6 SN: H18-11214 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. Signed: For AvDyne AeroServices LLC CRS #Y7NR985Y AvDyne AeroServices, LLC **MAKE: Cirrus** DATE: 10/05/2020 MODEL: SR22 WORKORDER: 20-09-013 SERIAL NO.: 4720 A/C TOTAL TIME: 603.4 **REGISTRATION NO.: N181MC** TACH TIME: 499.7 Performed ATC transponder test required by FAR91.413. Transponder tested per FAR 43 appendix E and F as required. 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 & 3KY002635 This transponder identified above has been found to meet the reguirements 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. Signed: For AvDyne AeroServices LLC CRS #Y7NR985Y

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: OPEN AIR	Milia	Date: 10- 05-2020
WIO No: 20.09.013	A/C No: N /8/	4C Hobbs: 603.4
A/C Make and Model CIZZUS	51222	A/C S/N: 4720
Altimeter P/N: 011- 67 674. 0	00	SIN: 3KY002517
Altimeter Primary: GDC /	Secondary:	Make: 692m, N

	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	Tolerance	Up	Down
Feet	+/- Feet		
12000	90	-	-
14000	100	-	-
16000	110	-	-
18000	120	~	-
20000	130	-	-
22000	140		
25000	155	4	
30000	180		4
35000	205		
40000	230	N/A	N/A
45000	255	N/A	NA

				TEST NO. 2 FRICTION				
Altitude Feet	Altimeter Reads	Tolerance Feet	Altitude Feet	Altimeter Reads	Tolerance Feet	Altitude Feet	Altimeter Reads	Tolerance Feet
1000		+/- 70	10000		+/- 80	30000	1.1/	+/- 140
2000	M	+/- 70	15000	P	+/- 90	35000	TA	+/- 160
3000	1A	+/- 70	20000	A	+/- 100	40000	N/A	+/- 180
5000	V	+/- 70	25000		+/- 120	50000	N/A	+/- 250

Altitude Difference	Altimeter Reads	Pressure In. of HG	MB	Adjusted Altimeter Reading	Tolerance Feet	Case Leak	Hysteresis Test	After Effect
-1727	-1820	28.10	9 52	-7	+/- 25	Test	50%	Test
-1340	-1440	28.5	965	0	+/- 25	+/-100	+/- 75	+/- 30
-863	-960	29	982	-3	+/- 25			
-392	1-4/90	29.50	999	-2	+/- 25	0	NA	MA
0	-100	29.92	1013		+/- 25		40%	
531	430	30.5	1032	-1	+/- 25		+/- 75	
893	800	30.9	1046	+7	+/- 25			
974	680	30.99	1049	+6	+/- 25		NA	

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Certification performed by Conthe Manuale Cap PASS FAIL

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

ATC TRANSPONDER CERTIFICATION

Customer Name: OPEN AIR	-
W/O Number: 20 09-013	_
A/C Number: NISIAC	_
A/C S/N: 4720 Transponder Model: <u>GAP 41N</u> <u>GTX 343 R</u>	
Transponder Model. <u>OII A CE</u> Transponder P/N: <u>OII · O3303· JO</u>	
Transponder S/N: $3 \neq A \otimes 2 \times 135$	
Encoder Model: GARMUN GAC	
Encoder P/N: 011-0329-23	
Encoder S/N: <u>3KY 0025/7</u> <u>3KY002633</u>	

- 1. Radio Reply Frequency Test.
- 2. Suppression Test.
- 3. Receiver Sensitivity Test.
- 4. RF Peak Output Power Test.
- 5. Altitude Reporting Results.



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

Certification Check Performed By:	Cynti Hando &	Aye
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DATE: 10-05-2020

A/C No.	1	N181MC		All and a second se			tury Air Center er Drive, Suite 3		REPAIR WORK ORDER
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