

N435SR

**AIRCRAFT LOG**  
**AF5.1**

## AIRCRAFT DESCRIPTION

MANUFACTURER Cirrus Design Corp MODEL SR22 DATE OF MFG. June 2006  
SERIAL NUMBER SR222022 REGISTRATION NUMBER N435SR

REGISTERED OWNER _____
STREET ADDRESS _____
CITY, STATE, ZIP _____
OPERATOR _____
STREET ADDRESS _____
CITY, STATE, ZIP _____
REGISTERED OWNER _____
STREET ADDRESS _____
CITY, STATE, ZIP _____
OPERATOR _____
STREET ADDRESS _____
CITY, STATE, ZIP _____

### Inspection Status

- [Check one]
- F.A.R. 91.409 ANNUAL/100 HOUR
- F.A.R. 91.409 PROGRESSIVE
- F.A.R. 135.419 A.T.C.O.
- OTHER

DATE ENTERED \_\_\_\_\_

MAINTENANCE RESPONSIBILITY


### INSTALLED EQUIPMENT

ITEM	MANUFACTURER	MODEL	SERIAL NO.
ENGINE	<del>Teledyne Continental Motors</del>	<del>IO-550-N</del>	<del>R L 689786</del>
ENGINE	<del>TCM</del>	<del>FO-550N42</del>	<del>R L 689796</del>
PROPELLER	<del>Hartzell Propellers Inc.</del>	<del>PHC-J33F-1R1</del>	<del>FP4791B</del>
PROPELLER	<del>Hartzell Propellers Inc.</del>	<del>PHC-J33F-1NX</del>	<del>AB0576B</del>
ENGINE			
ENGINE			
PROPELLER	HARTZell	PHC-J33F-1RF	FP5362B
PROPELLER			
ENGINE			
ENGINE			
PROPELLER			
PROPELLER			
ENGINE			
ENGINE			
PROPELLER			
PROPELLER			

## LIFE LIMITED PARTS OR OVERHAUL REQUIREMENTS


NAME OF PART	PART NUMBER	SERIAL NUMBER	INSTALLATION DATE/HOURS	TIME ON PART AT INSTALL.	LIFE LIMIT OR T.B.O.	REMOVAL DATE/HOURS	AGENCY CERT. NO.
<b>Life Limited Parts SR22</b>							
<b>PART NAME</b>	<b>PART NUMBER</b>					<b>EXPIRES</b>	
CAPS Rocket Motor	15047-001			S/N <u>2742</u>		<u>5/16</u>	
CAPS Parachute	20331-001			S/N <u>02343</u>		<u>5/16</u>	
CAPS Reefing Line Cutters	5212			LOT <u>Tas06A002</u> <u>032</u>		<u>2/12</u>	Replaced Dec 10/17 pg 37 MX Inspector
ELT Batteries	MN1300			Date Installed <u>6/06</u>		<u>3/12</u>	
EMA Controller, AAIR	20902-001			<del>S/N 17APR0610</del>		<u>4/19</u>	
Pilot Seat Inflator Assy, AAIR	20902-002			S/N <u>AA5I 038T</u> <u>1002</u>		<u>3-1-13</u>	
Co-Pilot Seat Inflator Assy, AAIR	20902-002			S/N <u>AA5E 038T</u> <u>10123</u>		<u>3-1-13</u>	







## ALTIMETER & STATIC SYSTEM CHECKS F.A.R. 91.411

DATE	MANUFACTURER	MODEL	SERIAL NO.	LOCATION	MAX. ALT.	RECHECK REQUIRED	APPROVED BY: AGENCY      CERT. NO.
<p>I certify that the altimeter, static system, transponder, and altitude reporter test required by FAR's 91.411, 91.413, &amp; 91.217 have been performed and found within the limits of FAR 43 appendices E &amp; F and AC 43-6B.</p> <p><b>TESTED TO</b> <u>18,000</u> <b>FEET ON</b> <u>4/8/10</u></p> <p><b>Transponder:</b> Mfg <u>Garmin</u> P/N <u>13587-050</u>  Model: <u>GTX-327</u> S/N <u>83715549</u></p> <p><b>Encoder:</b> Model <u>ACK</u> P/N <u>A-30</u> S/N <u>101574</u></p> <p><b>Altimeter:</b> Mfg <u>Avidyne</u>  (PFD) <u>15222-007</u> S/N <u>21067184</u>  Mfg <u>United</u> P/N <u>12731-002</u> S/N <u>454452</u></p> <p>CDC Quality Assurance  on <u>4/8/10</u>  Cirrus Design Corporation Duluth, MN USA  <b>PC# 338CE</b></p>							



DATE	MANUFACTURER	MODEL	SERIAL NO.	LOCATION	MAX. ALT.	RECHECK REQUIRED	APPROVED BY: AGENCY CERT. NO.																												
3-20-12	CIRRUS	\$R22	N435\$R		HOBBS=889.5 FLIGHT=849.3																														
<p>ADJUSTED BAROMETRIC SCALE OF UNITED ALTIMETER P/N 5934D-3A, 249G S/N 454452 TO CORRECT ALTITUDE SCALE ERRORS. BOTH THE BARO SCALE AND ALTITUDE SCALE WERE RETESTED AND FOUND TO BE WITHIN TOLERANCES AT ALL REQUIRED TEST SETTINGS. ALL WORK WAS ACCOMPLISHED I.A.W. THE MANUFACTURERS' INSTRUCTIONS AND FAR 91.411 AND PART 43 APPENDIX 'E'.</p> <p style="text-align: center;">END</p> <p style="text-align: center;">LANCASTER AVIONICS INC LANCASTER AIRPORT LITITZ, PA 17543 DATE <u>3-20-12</u> CERTIFICATE NO. LN7R261N SIGNED <u>Richard C. Staller</u></p>																																			
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2/14/2011



**LANCASTER AVIONICS, INC**

**ALTIMETER/STATIC and ENCODER EVALUATION PER FAR 91.411 - FAR 43, APPENDIX 'E'**

Customer: <b>ADVANCED AIRCRAFT SERVICES</b>		Aircraft Type: <b>CIRRUS SR22</b>		Test Alt: <b>18,000'</b>		Pilot: <b>[ ]</b>		Co-Pilot: <b>[ ]</b>		No: <b>N435R</b>	
Altitude	Manufacturer	Part Number	Serial Number	Test Ceiling	System Leak	Up	Down	Diff	Tol	Up	Down
Pilot	<b>AVIDYNE</b>	<b>EXP 5000</b>	<b>21067184</b>	<b>18,000'</b>	<b>5 FPM</b>						
Co-Pilot	<b>UNITED</b>	<b>5734D-3A-249G</b>	<b>454452</b>	Hysteresis: 50%	<b>9,000'</b>			<b>N/A</b>	<b>+/- 75</b>	<b>+25</b>	<b>+30</b>
Encoder	<b>A.C.K</b>	<b>A-30</b>	<b>101574</b>	40%	<b>7,200'</b>			<b>↓</b>	<b>+/- 75</b>	<b>+35</b>	<b>+25</b>
				After Effect	<b>0'</b>			<b>↓</b>	<b>+/- 30</b>	<b>0</b>	<b>+20</b>

Error	Pilot	Co-Pilot	Tol	Encoder 125'		Friction			
						Pilot	Tol	Co-Pilot	
-1000	-10	-20	20	N/A	-920				
zero	-10	0	20	-20	80	1000	N/A	70 30	
500	-10	+5	20	480	580	2000		70 35	
1000	-15	+15	20	980	1080	3000		70 40	
1500	-10	+20	25	1480	1580	5000		70 40	
2000	-15	+30	30	1980	2080	10000		80 50	
3000	-15	+30	30	2980	3080	15000		90 60	
4000	-15	+30	35	3980	4080	20000	↓	100	
6000	-20	+35	40	5980	6085	25000		120	
8000	-20	+30	60	7985	8085	30000		140	
10000	-20	+20	80	9990	10085	35000		160	
12000	-20	+20	90	11995	12100	40000		180	
14000	-20	+25	100	14000	14100	50000		250	
16000	-30	+20	110	16005	16100	Pressure - Alt Diff. Tol +/- 25			
18000	-30	+20	120	18005	18105		Pilot	Tol	Co-Pilot
20000			130			28.10"	-1735	-1727	-1740
22000			140			28.50"	-1355	-1340	-1335
25000			155			29.00"	-870	-863	-865
30000			180			29.50"	-400	-392	-385
35000			205			29.92"	-10	zero	0
40000			230			30.50"	520	+531	530
45000			255			30.90"	880	+863	900
50000			280			30.99"	965	+974	980

	PASS	FAIL	Technician	<i>Richard A. Stetta</i> (Signature)		
Pilot Altimeter	X				Date	3-20-12
Co-Pilot Altimeter	X					
Encoder	X					

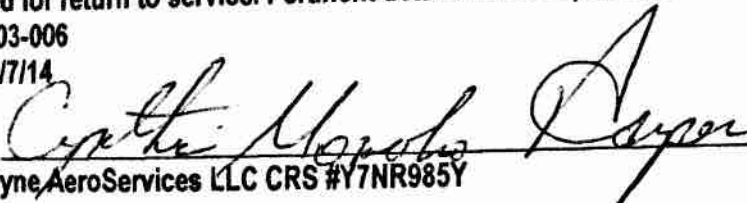
(717) 569-1953 Phone  
(717) 569-1722 Fax

Lancaster Avionics Inc.  
500-U Airport Rd  
Lititz, PA 17543

CRS# LN7R261N



## RADIO & ELECTRONIC CHECKS

TOTAL TIME	EQUIPMENT CHECKED	TYPE OF CHECK	ERROR OR RESULTS	NEXT CHECK DUE	CHECKED BY: SIGNATURE — CERT. NO.
<p><b>AvDyne AeroServices, LLC</b></p> <p>MAKE: Cirrus            MODEL: SR22            SERIAL NO.: 2022            REGISTRATION NO.: N435SR</p> <p style="text-align: right;">DATE: 04/7/14            WORKORDER: 14-03-006            TOTAL TIME:            TAC TIME: 1061.7</p> <p>1. 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 327            Transponder PN: 011-00490-00            Transponder SN: 83715549            Encoder Model: ACK            PN: A30            SN: 101574</p> <p style="text-align: center;">//////////////////////////////////////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.: 14-03-006            Date: 04/7/14</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: <u>OPEN AIR</u>		Date: <u>4-7-14</u>
W/O No: <u>1403-006</u>	A/C No: <u>N4355R</u>	Hobbs: <u>1061.7</u>
A/C Make and Model: <u>C172V5 SR22</u>		A/C S/N: <u>2022</u>
Altimeter P/N: <u>700-00006000</u>		S/N: <u>20715052</u>
Altimeter Primary: <input checked="" type="checkbox"/>	Secondary: <input type="checkbox"/>	Make: <u>AVDYNE</u>

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>NA</del>	+/- 70	10000	<del>NA</del>	+/- 80	30000	<del>NA</del>	+/- 140
2000	<del>NA</del>	+/- 70	15000	<del>NA</del>	+/- 90	35000	<del>NA</del>	+/- 160
3000	<del>NA</del>	+/- 70	20000	<del>NA</del>	+/- 100	40000	N/A	+/- 180
5000	<del>NA</del>	+/- 70	25000	<del>NA</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	<del>NA</del>	28.10	952		+/- 25		50%	+/- 30
-1340	<del>NA</del>	28.5	965		+/- 25		+/- 75	
-863	<u>260</u>	29	982	<u>862</u>	+/- 25	<u>0</u>	<u>0</u>	<u>0</u>
-392	<u>300</u>	29.50	999	<u>400</u>	+/- 25			
0	<u>100</u>	29.92	1013	<u>0</u>	+/- 25		40%	
531	<u>630</u>	30.5	1032	<u>530</u>	+/- 25		+/- 75	
893	<u>1000</u>	30.9	1046	<u>890</u>	+/- 25		<u>0</u>	
974	<u>1080</u>	30.99	1049	<u>980</u>	+/- 25			

Certification performed by Cynthia Dwyer PASS  FAIL

FAA Repair Station CR# Y7NR985Y

Reference: FAR 91.411, FAR 43 Appendix E, AC 43-68

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

**IFR Certification Altimeter System**

Customer Name: <u>OPRY AIR</u>		Date: <u>4-7-19</u>
W/O No: <u>14-03-006</u>	A/C No: <u>N 4355R</u>	Hobbs: <u>1061.7</u>
A/C Make and Model <u>CIRUS SR22</u>		A/C S/N: <u>2022</u>
Altimeter P/N: <u>5931D-3A</u>		S/N: <u>454452</u>
Altimeter Primary:	Secondary: <input checked="" type="checkbox"/>	Make: <u>UNION INSTR.</u>

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

Altitude Pressure			
Altitude Feet	Tolerance +/- Feet	Up	Down
12000	90	30	-
14000	100	30	-
16000	110	30	-
18000	120	60	-
20000	130	90	-
22000	140	90	-
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	980	+/- 70	10000	9960	+/- 80	30000	<del>117</del>	+/- 140
2000	1980	+/- 70	15000	14960	+/- 90	35000	<del>117</del>	+/- 160
3000	3000	+/- 70	20000	19960	+/- 100	40000	N/A	+/- 180
5000	5000	+/- 70	25000	N/A	+/- 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	1630	28.10	952	1730	+/- 25	+/-100	50%	+/- 30
-1340	1210	28.5	965	1340	+/- 25			
-863	760	29	982	870	+/- 25	0	+20	+10
-392	350	29.50	999	400	+/- 25			
0	1000	29.92	1013	1000	+/- 25		40%	+/- 75
531	440	30.5	1032	540	+/- 25			
893	800	30.9	1046	800	+/- 25			
974	880	30.99	1049	980	+/- 25		720	

Certification performed by Cynthia Popper PASS  FAIL

## AvDyne AeroServices LLC

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

FAA Repair Station CRS# Y7NR985Y

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

### ATC TRANSPONDER CERTIFICATION

Customer Name: OPEN AIR  
W/O Number: 1403-006  
A/C Number: N43552  
A/C S/N: 2022  
Transponder Model: GARMIN G-78 327  
Transponder P/N: 011-00480-00  
Transponder S/N: 83715549  
Encoder Model: AC16  
Encoder P/N: A3D  
Encoder S/N: 101574

1. Radio Reply Frequency Test. Pass  Fail
2. Suppression Test. Pass  Fail
3. Receiver Sensitivity Test. Pass  Fail
4. RF Peak Output Power Test. Pass  Fail
5. Altitude reporting results. Pass  Fail

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

Certification Check performed by: Cynthia Harper

Date: 4-7-14

## RADIO & ELECTRONIC CHECKS

DATE	TOTAL TIME	EQUIPMENT CHECKED	TYPE OF CHECK	ERROR OR RESULTS	NEXT CHECK DUE	CHECKED BY: SIGNATURE — CERT. NO.
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**AvDyne AeroServices, LLC**

MAKE: Cirrus  
 MODEL: SR 22  
 SERIAL NO.: 2022  
 REGISTRATION NO.: N435SR

DATE: 04/7/14  
 WORKORDER: 14-03-006  
 TOTAL TIME:  
 TAC TIME: 1061.7

1. 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 altimeter model: Avidyne  
 PN: 700-00006-000  
 SN: 20715056  
 Secondary altimeter model: United Instructions  
 PN: 5934D-3A  
 SN: 454452  
 Encoder Model: ACK  
 PN: A30  
 SN: 101574

//////////////////////////////////////END//////////////////////////////////////

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.: 14-03-006  
 Date: 04/7/14

Signed: *Cynthia Monica Lopez*  
 For AvDyne AeroServices LLC CRS #Y7NR985Y

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12/14/2011

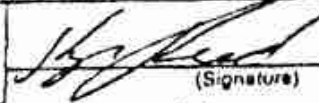


# LANCASTER AVIONICS, INC

ALTIMETER/STATIC and ENCODER EVALUATION PER FAR 91.411 - FAR 43, APPENDIX E

Customer: <b>Fly Advanced</b>		Aircraft Type: <b>\$R22</b>		No: <b>N4355R</b>		
Altimeter	Manufacturer	Part Number	Serial Number	Test Alt	Pilot	Co-Pilot
Pilot	<b>Avidyne</b>	<b>EXR5000</b>	<b>2005048</b>	<b>20,000</b>	Us Diff	Us Diff
Co-Pilot	<b>United</b>	<b>5934D-3A24</b>	<b>454452</b>	<b>22,000</b>		
Encoder	<b>ALK</b>	<b>A-30</b>	<b>101571</b>			
				System Leak		
				Hysteresis 50%		
				40%		
				After Effect		

Error	Pilot	Co-Pilot	Tol	Encoder 125'		Friction		
-1000	+5	-20	20	NA	905			
zero	+5	+10	20	+5	+105	1000	NA	70 25
500	+5	0	20	500	1005	2000		70 20
1000	+5	+15	20	1000	1100	3000		70 30
1500	+5	+15	25	1500	1605	5000		70 40
2000	0	+25	30	2000	2100	10000		80 45
3000	+5	+20	30	3000	3105	15000		90 50
4000	0	+25	35	4000	4100	20000		100 55
6000	-5	+25	40	6000	6105	25000		120
8000	0	+20	60	8000	8105	30000		140
10000	-5	+15	80	10015	10110	35000		160
12000	-5	+5	90	12010	12115	40000		180
14000	-15	+10	100	14010	14115	50000		250
16000	-20	+5	110	16010	16015	Pressure - Alt Diff. Tol +/- 25		
18000	-15	+15	120	18020	18115		Pilot	Tol Co-Pilot
20000	-20	+35	130	20020	20120	28 10"	-1730	-1721 -1715
22000			140			28 50"	-1340	-1340 -1325
25000			155			29 00"	-865	-861 -850
30000			180			29 50"	-385	-392 -375
35000			205			29 92"	+5	0 10 +10
40000			230			30 50"	+575	-53 +545
45000			255			30 90"	+900	-693 +905
50000			280			30 99"	+975	-974 +990

	PASS	FAIL	Technician	 (Signature)	
Pilot Altimeter	X				Date
Co-Pilot Altimeter	X				5-4-16
Encoder	X				

(717) 669-1953 Phone  
(717) 669-1722 Fax

Lancaster Avionics Inc.  
500-U Airport Rd  
Lititz, PA 17543

CRS# LN7R261N



# MAINTENANCE RECORD

## F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
		Continued From PAGE 29	
		<p>(Right) IAW TCM maintenance manual section 12-5. Installed new engine driven Fuel pump P/N 655921-EAI, S/N BO9LA003 IAW TCM MM Section 13 &amp; TCM SID 97-3E. Installed new new Fuel injectors P/N's 657068-1234,-2234,-3239,-4236,-5236,-6229 IAW TCM MM 13-7 Installed QTY 12 Champion Spark plugs P/N RHB32E IAW CDC SR22 MM 74-20. Run-up &amp; Leak check- Satisfactory....(19) Removed all experimental / flight test avionics and electrical equipment IAW Standard Maintenance Practices....(22) Installed Propeller Model PHC-J3YF-1RF S/N FP5362B on Engine Model NO. IO-550-N42, S/N 691796 on Cirrus airframe S/N 22-2022 IAW Hartzel MM 115N, Sec. 61-00-15. Propeller TT / TSN 411.0 HRS. Engine TT / TSN 726.3, Airframe times Hobbs 726.3 Flight 699.3 Hrs....(23) Complied with CDC Repair Deviation No. R09998 dated 07 April 2010 IAW; items 1-4 by performing composite repairs to antenna holes at; Upper BL0 -8.5/FS200, Upper BL0/FS140, Upper BL0/FS168 ,Lower BL0/FS249 and Lower BL0/FS240, item 5 by repairing QTY 6 penetrations to the fireshield &amp; firewall, item 6 by performing composite repairs to the aft floor, item 7 by repairing the L &amp; R lower cowl halves, item 8 by repairing / modifying the RH front engine baffle, item 9 by removing, priming, painting &amp; reinstalling the lower engine attach bridge and lower engine attach plates, Item 10 by installing Qty 2 Magnetometer brackets to RH upper wing skin and item 10 by adding nutplates to the console assembly....(24) Restored A/P disconnect relay wiring to standard configuration IAW CDC SR22 Wiring Manual 22-11-01 pg 4....(25) Restored electrical portion of Pitch Trim system to standard configuration IAW CDC SR22 WM 27-30-01....(26) Removed TATI wiring from firewall forward wire harness and returned harness to original condition IAW SR22 wiring manual and CDC spec 90014....(27) Fabricated and installed P/N 16615-001 alternator 1 power cable IAW CDC DWG NO. 16615 and CDC Process Specification 90014....(28) Removed &amp; replaced firewall forward hot air valve W/ new P/N 20763-003 IAW CDC SR22 MM 21-40....(29) Removed &amp; replaced battery 1 bracket W/ new P/N 10894-004 IAW 53-40....(31) Removed and replaced console bolster panel W/ new P/N 19132-002 IAW CDC DWG 19160....(32) Removed &amp; replaced L &amp; R, upper &amp; lower cabin door latches W/ new P/N's 21889-001 (RH) &amp; P/N 21861-001 (LH) IAW CDC SR22 MM 52-10 &amp; DWG 20257-002. Operational check-satisfactory...(33) Repaired wires PGAL119-18, PGAL130-20 and EEFP151-22 in Firewall Forward Wire Harness. IAW CDC Process Specification 90014 and standard maintenance practices....(34) Removed &amp; replaced ECS manifold assembly with new P/N 20713-003 IAW CDC SR22 MM 21-20....(37) Installed W940 XM Harness P/N 16136-002 IAW CDC DWG. 16995-001....(38) Installed W730 Flight Director Harness P/N 16171-002 IAW</p>	
		2 of 3	

## MAINTENANCE RECORD F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE

CDC DWG 16172-002....(39) Installed P/N 15597-001 TAWS / EGPWS wire harness IAW CDC DWG 15962-001....(40) Installed P/N 16702-001 Navigation Wire Harness IAW CDC DWG. 16703....(41) Installed new alternate air control cable P/N 14067-002 IAW CDC SR22 MM 71-60....(42) Reinstalled original control quadrant assembly IAW CDC SR22 MM 76-10 & figure 76-101....(46) Restored Pitot and Static system to original configuration IAW CDC DWG 20351-003....(49) Installed XM Weather IAW CDC SB 2X-34-06R1 using kit P/N 70089-07. Installed XM radio IAW CDC SB 2X-34-14R1 using Kit P/N 70118-006. Receiver P/N: 16665-003 Rev. E, S/N: 816001739....(50) Re-installed pitch trim servo CDC P/N 14149-101, S-Tec P/N 0108-15-P4, S/N 0617-16037 IAW CDC SR22 MM 22-11....(51) Installed new Marker Beacon Antenna Cable CDC P/N 15909-101 IAW CDC SR22 MM 34-30....(53) Installed new cabin air control assembly & linkages, CDC P/N 20730-007 IAW CDC DWG's 20731-006, 20702-001 and CDC SR22 MM 21-60.  
 Operational check - Satisfactory....(54) Reinstalled original configuration Avidyne PFD, MFD and radio stack components IAW applicable CDC SR22 MM sections. Performed complete set-up & test of all Avionics & Electrical components and systems IAW CDC Production Acceptance Specification 90404. All Checks-Satisfactory at this time....(57) Fitted & installed the following new interior panels IAW CDC SR22 MM 25-10; Cabin headliner, L & R bolster covers, Center bolster cover, L & R cabin air duct covers and L & R Rear cabin side panels.

DATE: 4/11/2010

SIGNED: *Steve Goessling*  
 Goessling, Steve, A&P: 3043505

Work Order: 11000374-02-2010  
 Printed by EBis 3 (datcomedia.com)

MAKE: Cirrus  
MODEL: SR22  
S/N: 2022  
REG. NO: N435SR  
WORK ORDER:  
11000336-07-2009

**Cirrus Jet**  
Duluth, MN 55811


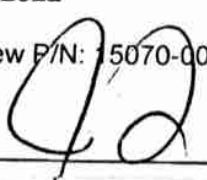
DATE: 4/12/2010  
A/C TSN: 729.1  
HOBSBS: 729.1

DATE OF COMPLETION	AI	
		<b>Airframe Entries</b> <p>(1) Performed aircraft yearly condition inspection I.A.W. the scope and detail of FAR Part 43 appendix D, using CDC SR22 A.M.M. 05-20 scheduled inspection report....(14) Performed control surface rigging checks IAW CDC form QAF10.11 &amp; applicable SR22 MM sections. All values within limits....(17) Serviced Battery 1 IAW CDC SR22 MM 12-10....(18) Removed, primed, painted and reinstalled lower engine mount attach plates and bridge; Prime &amp; Paint IAW CDC AMM 51-20, Installation IAW CDC Drawing 24850....(20) Lubricated areas as required IAW CDC MM 12-20 Figure 12-201....(22) Performed inspection/check of fire extinguisher IAW CDC SR22 MM 26-20....(23) Performed Emergency Locator Transmitter (E.L.T.) - Functional check I.A.W. 14 CFR 91.207....(24) Removed &amp; replaced standby airspeed indicator w/ serviced P/N 13562-002 IAW SR22 MM 34-10. S/N T48207 (removed) S/N T49152 (installed) Functional check-satisfactory....(25) The required 24 month altimeter, static system, transponder, and altitude reporter tests required by FAR's 91.411, 91.413, &amp; 91.217 were found to be within the limits of FAR 43 appendices E &amp; F and AC 43-6A. Next Test Due 8 April 2012. Reference CDC MFG label affixed on page 17 of airframe logbook....(27) Performed 24 month magnetometer calibration IAW CDC SR22 MM 34-20, functional check-satisfactory....(28) Serviced aircraft tires IAW CDC SR22 MM Figure 12-101....(29) Bled brake system and serviced hydraulic reservoir IAW SR22 AMM 32-42....(30) Removed wheels, inspected, repacked bearings and reinstalled IAW SR22 AMM 32-41....(31) Removed &amp; Replaced propeller governor cable with new P/N 14064-102 IAW CDC SR22 MM 76-10....(32) Performed operational checks of the ice protection system IAW SR22 AMM 30-05. System Function satisfactory at this time....(33) Removed &amp; replaced electric fuel pump assembly w/new CDC P/N 11839-001 IAW SR22 MM 28-20. S/N 2780 (removed) S/N 4845 (installed). Run-up &amp; leak check-satisfactory....(34) Performed aircraft operational and functional check IAW CDC SR22 MM 5-30- Satisfactory....(37) Weighed aircraft IAW SR22MM 8-20. Updated weight &amp; balance and equipment list In Pilots Operating Handbook to reflect most current configuration....(39) Adjusted Governor control rod end in 2.5 revolutions to achieve engine cruise setting of 2500 RPM IAW SR22 MM 61-20....(40) Adjusted engine oil pressure to aprox. 55PSI @ 175 degrees IAW TCM overhaul manual X30568A section 19-15....(41) Post-maintenance flight test performed by CDC Production Flight Test pilot. Results- Satisfactory.</p> <p>I certify that this aircraft was inspected on this date in accordance with the scope and detail of appendix D to part 43, or other FAA-approved programs, and found to be in a condition for safe operation.</p>
		DATE: 4/12/2010      SIGNED: <i>Steve Goessling</i> Work Order: 11000336-07-2009 Goessling, Steve, A&P: 3043505      Printed by EBis 3 (datcomedia.com)

CERTIFICATE NO.  
RETURNED TO SERVICE

# MAINTENANCE RECORD

## F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
	MAKE: Cirrus MODEL: SR22 S/N: 2022 REG. NO: N435SR WORK ORDER: 11000386-04-2010	<b>Cirrus Jet</b> Duluth, MN 55811	DATE: 4/12/2010 A/C TSN: 729.1 HOBBS: 730.1
	<b>Airframe Entries</b> (1) Removed and replaced VOR antenna. PN: 12742-001. S/N Out: 131630, S/N In: 318018. Functional check on ground with NAV 402 test set - Satisfactory....(2) Repaired damaged wire on co-pilot side passenger mic jack iaw CDC specification 90014. Passed operational test iaw CDC specification 90404....(3) Affix roll trim & "Grab Here" stickers to bolster panels IAW SR22 MM 11-30....(4) Installed fly-away kit in aircraft....(5) Applied caulk fillet to XM antenna IAW standard maintenance practices....(6) Replaced inline resistor, R632, with identical part IAWCDC specification 90014. Verified autopilot disconnect tone per CDC specification 90404....(7) Removed and replaced GNS 430 #1. PN: 011-00280-00 SN: 96300828 removed. PN: 011-00280-10, SN: 97138418 installed. Funct ck ok on ground....(8) Removed and replaced GNS 430 #2 to match set with GNS 430 #1. Removed PN: 011-00280-10, SN: 97112073. Installed PN: 011-00280-10, SN: 97138443. Funct ck ok on ground.		
	DATE: 4/12/2010	SIGNED: <i>Steve Ross</i> Goessling, Steve, A&P: 3043505	Work Order: 11000386-04-2010 Printed by EBis 3 (datcomedia.com)
April 30, 2010 <del>N435SR</del> Cirrus Model SR22 S/N: 2022 N435SR	Tach: 737.0	Hobbs: 763.9	
Replaced #5 exhaust riser with new P/N: 15070-003. This aircraft is approved for return to service with respect to the above work performed.			
Jesus Torres AP 527477618 IA		 W.O.# 5663	

# MAINTENANCE RECORD

## F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
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MAKE Cirrus  
 MODEL SR22-G2  
 S/N 22-2022  
 REG NO 435SR  
 WORK ORDER  
 13606-05-2010

### Cirrus Design Factory Service Center

Repair Station No YD5R855Y  
 4514 Taylor Circle  
 Duluth, MN 55811  
 Phone 218- 788-3438

DATE 7/8/2010  
 A/C TSN 770 1  
 FLIGHTTIME 743 2

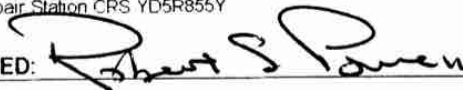
#### Airframe Entries

(11) Adjusted rudder/aileron interconnect to meet specified limits IAW SR-22 AMM chapter 27-20 Lubricated aileron hinge bearings and actuator pulleys per SR-22 AMM chapter 12-20 Verified aileron travels IAW SR-22 AMM chapter 27-20 Operational check satisfactory (17) Resecured "N-Registration" Placard to instrument panel IAW AMM 11-00 (19) Resecured Pilots Drink holder w/new fasteners P/N's 51385-002 and 51386-001 IAW AMM 25-10 (21) Resecured Hobbs and Flight meters IAW AMM 31-30 (24) Removed and replaced LH upper wheel pant bracket p/n 13522-001 IAW AMM ch 32-10 (25) Removed and replaced RH fuel drain line p/n 13913-002, IAW AMM chapter 71-70 (29) Installed New Door Seal P/N 52010-008U on LH and RH Door openings IAW AMM 53-40 (35) Removed and Replaced Both Aileron Gap-Seals P/N 14390-002 for L/H and R/H Ailerons IAW CDC SR22 AMM chapter 57-50 (39) Corrected Exterior Cosmetic and Paint Discrepancies IAW CDC SR22 AMM 51-20 and Standard Maintenance Practices (41) Removed and replaced secondary battery due time change IAW AMM ch 24-30 and 5-10, operational check good

I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at this Certified Repair Station CRS YD5R855Y

DATE: 7/8/2010

SIGNED:



Robert Powell  
 Certified Repair Station No YD5R855Y

Work Order: 13606-05-2010

Printed by EBis 3 (datcomedia.com)








# MAINTENANCE RECORD

DOUGLAS DUNCAN AVIATION LLC 100 TOWER DR, HGR 6 GREENVILLE, SC 29607  
LOG ID# 8228 23-March-2011 WO# 5275 REF# 5275 AC TT 793.4 HOBBS 820.3  
N435SR S/N 2022 CIRRUS SR22  
FHM 793.4

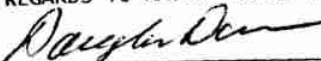
Pg 272

NO. TO SERV

- \*REMOVED AND REPLACED LOWER 2 NLG PUCKS, P/N 13386-001, LOWER PUCK PAN BUSHING, P/N NAS77-18-085, AND NLG REBOUND BUMPER, P/N 18380-001, IAW CIRRUS SR22 MM 32-20.
- \*REMOVED AND REPLACED ANTI-ICE FILTER, P/N 26115-101, IAW CIRRUS SR22 MM 30-05. OPS/LEAK CHECK: GOOD. NEXT CHANGE DUE AT 1993.4 FHM OR 3/31/2013.
- \*REMOVED AND REPLACED HARTZELL PROPELLER SPINNER, P/N C-3532-5P-REP, IAW CIRRUS SR22 MM 61-10.
- \*ADJUSTED MAX RPM SETTING AS REQUIRED IAW CIRRUS SR22 MM 61-20. OPS CHECK: GOOD.
- \*COMPLETED WET COMPASS OPERATIONAL TEST IAW CIRRUS SR22 MM 34-20.

I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

THE AIRCRAFT, ENGINE, COMPONENT, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION AGENCY REGULATIONS AND IS HEREBY APPROVED FOR RETURN TO SERVICE WITH REGARDS TO MAINTENANCE PERFORMED.

  
DOUGLAS DUNCAN A&P/IA 3384163 DATE 3-23-11

MAKE: Cirrus  
MODEL: SR22  
S/N: 2022  
REG. NO: N435SR  
WORK ORDER:  
2132-02-2012

## Advanced Aircraft Services

530 Airport Rd.  
Lititz, PA 17543  
Phone: 717-735-5179

DATE: 3/23/2012  
A/C TSN: 849.3  
HOBBS: 889.5

## Airframe Entries

Cirrus Airframe Annual Inspection completed using the Cirrus AMM check list ch 5-20. Performed a light check. Lubed airframe. Checked cable tensions. Serviced the gascolator. ELT inspected in accordance with FAR 91.207(d). ELT batteries due 03/14. All AD's current thru 2012-05. Ops check good.... Removed and replaced the CAPS reefing line cutters, serial numbers 2025 and 2034, next due Oct 2017.... Removed and replaced the right main tire.... Rigged ailerons. ops check good.... Removed and replaced ELT batteries next due Mar 2014.... Replaced the #2 batteries, next due Mar 2014.... Removed and replaced the EMA controller.  
Next replacement due April 2019... AD 2012-03-06 Avstar Diaphragms. N/A... AD 2011-25-51 Starter Adapter. N/A... AD 2011-11-04 Hyd Lifters. N/A... C/W SB 2X-27-16 R1 flap actuator mod.... SB 2X-74-01 Fine wire plugs, N/A, massive plugs are installed.... Repaired the #4 header collector bracket. Removed and replaced the #4 header to collector bolt.... Removed and replaced the right upper MLG fairing bracket.... Resealed the right brake caliper, replaced the thermo-stickers, bled and serviced the brakes.... Applied PRC to the TKS panel edges.... Removed and replaced the wingtip mounting screws.... Rotated the left main tire.

I certify that this AIRFRAME has been inspected IAW an Annual Inspection and was found to be in Airworthy condition.

DATE: 3/23/2012

SIGNED: 

Richard A. Barnhart II, IA: 3124994AP

Work Order: 2132-02-2012

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## MAINTENANCE RECORD F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
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LANCASTER AVIONICS, INC. 500-U AIRPORT ROAD LITITZ, PA 17543 CRS# LN7R261N  
 LOG ID# 3211 14-May-2013 WO# 18109 AC TT 947.9 HOBBS 947.9  
 N435SR S/N 2022 CIRRUS DESIGN CORP. SR22  
 FLIGHT TIME 894.5

Pg 1 / 1

\*\*\*\* ITEM # 18109-1 REPLACE AUTOPILOT DISC. SWITCH \*\*\*\*  
 DISCREPANCY: REPLACE AUTOPILOT DISCONNECT SWITCH.  
 ACTION: REMOVED AND REPLACED AUTOPILOT DISCONNECT SWITCH. RAMP CHECKS GOOD.

\*\*\*\* ITEM # 18109-2 REPAIR XM WEATHER \*\*\*\*  
 DISCREPANCY: XM WEATHER HAS WEAK TO NO SIGNAL RECEPTION.  
 ACTION: RAMP CHECKED AND VERIFIED FAULT. ISOLATED PROBLEM TO A FAULTY XM WEATHER ANTENNA. CUSTOMER DEFERS REPAIR, NO FURTHER ACTION TAKEN.

*James Good*

CRS# LN7R261N JAMES GOOD

5-21-13 CIRRUS SR22 N435SR, HOBBS = 950.7, FLT = 896.5  
 REMOVED FAILED COMANT XM WX DATA LINK ANTENNA,  
 P/N CI420-1 S/N 134216 AND INSTALLED COMANT WX  
 DATALINK ANTENNA, P/N CI420-1, S/N 419032. ALL  
 WORK WAS ACCOMPLISHED I.A.W. THE MANUFACTURER'S  
 INSTRUCTIONS. OPERATIONAL TESTS PASSED. —END

LANCASTER AVIONICS INC  
 LANCASTER AIRPORT  
 LITITZ, PA 17543

DATE 5-21-13  
 CERTIFICATE NO. LN7R261N



SIGNED *Richard W. Staller*



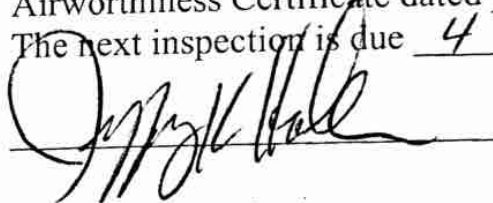



# INSPECTION RECORD

## F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
20 Jun 06	5.6 / 1RS	<p>Production Flight Test accomplished in accordance with Cirrus Procedure #90502.</p> <p>Name: Brian J Olson      Date <u>20 Jun 06</u></p> <p>Signature: <u></u></p> <p>Title: Production Flight Test Pilot</p>
Jun 26 2006	5.6	<p>I find that the aircraft meets the requirements for the certification requested and have issued an U.S. Standard Airworthiness Certificate dated <u>Jun 26 / 2006</u></p> <p>The next inspection is due <u>Jun 30 / 2007</u></p> <p><u></u></p> <p>PAUL R. SITKO DMIR-410373-CE</p>

## INSPECTION RECORD F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
4-12-2010	729.1	<p>I find that the aircraft meets the requirements for the certification requested and have issued a Standard Airworthiness Certificate dated <u>4 / 12 / 2010</u>                      The next inspection is due <u>4 / 30 / 2011</u></p> <p style="text-align: center;"></p> <p>Jeffrey K. Holter DMIR410073CE</p>
		<p style="text-align: center;">11-11-2013 N435SR Model: SR22 SN: 2022 Flt Hobbs:973.4</p> <p>Removed number 1 battery, serviced and installed new G-243 battery, SN: G02775673, aircraft run up shows normal operation.</p> <p style="text-align: center;"></p> <p style="text-align: center;">David D. Hopkins                      3141709 IA</p>



## INSPECTION RECORD F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE
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**AvDyne AeroServices, LLC**

**MAKE: Cirrus**

**MODEL: SR22**

**SERIAL NO.: 2022**

**REGISTRATION NO.: N435SR**

**DATE: 04/11/14 1 of 2**

**WORKORDER: 14-03-006**

**TOTAL TIME: 1061.4**

**TAC TIME: 995.2**

1. Completed annual inspection on airframe per Cirrus maintenance manual.
2. Flight controls travels and cable tensions check okay.
3. Lubricated aircraft per Cirrus maintenance manual.
4. ELT inspected and tested per FAR91.207D. ELT batteries replaced PN MN1300. ELT battery due Dec. 2023.
5. Installed new induction filter PN BA24.
6. Fuel filter cleaned, inspected and reinstalled with new seals PN MS29513-137 and NAS1523-8B leak check okay.
7. Installed new right brake caliper seals 2ea PN MS28775-222 o-ring. Installed new temp labels PN 51698-001 and PN 51698-003. Brakes bled. Ops check okay.
8. Installed new brake linings 4ea PN 066-06200 on left main gear and right main gear.
9. Replaced nut 1ea PN MS17825-4 on rudder attach bolt.

This aircraft and or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details of the repair are on file at agency under Work Order No.: 14-03-006  
Date: 04/11/14

Signed:   
For AvDyne AeroServices LLC CRS #Y7NR985Y

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# INSPECTION RECORD

## F.A.R. 43.11-91.409

**AIRCRAFT TIME IN SERVICE**      **KIND OF INSPECTION - STATUS & DISCREPANCY LIST**  
**SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE**

MAKE Cirrus  
MODEL SR22  
S/N 2022  
REG NO N435SR  
WORK ORDER  
16167-06-2014



### Cirrus Design Factory Service Center

Repair Station No YD5R855Y  
4961 Airport Road  
Duluth, MN 55811  
Phone 218-788-3438

DATE 6/13/2014  
A/C TSN 10324  
HOBBS 10986

### Airframe Entries

- (2) Upper windscreen trim replaced. IAW AMM 25-10. Function check of lighting complete with satisfactory results. Compass swing completed.
- (4) Lubricated cabin door latch assemblies I.A.W. CDC A.M.M. 12-20.

I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of this work order are on file at this Certified Repair Station CRS YD5R855Y

DATE: 6/13/2014

SIGNED:

Joseph Sullivan  
Certified Repair Station No YD5R855Y

Work Order: 16167-06-2014

Printed by EBis 3 (datcomedia.com)



**INSPECTION RECORD  
F.A.R. 43.11-91.409**

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
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**AvDyne AeroServices, LLC**

**MAKE: Cirrus**

**MODEL: SR22**

**SERIAL NO.: 2022**

**REGISTRATION NO.: N435SR**

**DATE: 10/21/14**

**WORKORDER: 14-10-006**

**TOTAL TIME: 1140.1**

**TAC TIME: 1073.9**

1. Replaced missing wing root panels PN 12416-001 (2ea)
2. Replaced #2 cyl. EGT probe with new PN 16579-002. Ops check good.

//////////////////////////////////////**END**//////////////////////////////////////

This aircraft and or component identified above was repaired and inspected in accordance with current manufacturer maintenance instructions and was found airworthy for return to service. Pertinent details of the repair are on file at agency under Work Order No.: 14-10-006  
Date: 10/21/14


Signed:   
For AvDyne AeroServices LLC CRS #Y7NR985Y





# INSPECTION RECORD

## F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
		<p>MAKE: Cirrus Design Corp     <b>Foothill Aircraft Sales &amp; Service, Inc.</b>     DATE: 5/1/2015            MODEL: Sr22            S/N: 2022     Repair Station No. AJ4R052M     A/C TSN: 11208            REG. NO: 435SR     1749 W 13Th St     TACH: 11208            WORK ORDER:     Upland, CA 91786            15483-04-2015     Phone: 909-985-1977</p> <p><b>Airframe Entries</b></p> <p>(1) C/W ANNUAL INSPECTION ON THIS AIRFRAME IAW FAR 43 APPENDIX D USING CIRRUS M M CHAPTER 5 INSPECTION CHECKLIST AS A GUIDE. C/W FAR 91.207 D ELT INSPECTION AND FUNCTIONAL CHECK. ELT BATTERY EXPIRATION DATE APRIL 2017. ADS CHECKED THROUGH 04/24/2015. REPLACED AIR INDUCTION FILTER WITH NEW P/N BA-24.... (4) R &amp; R LH TIRE , TUBE, BRAKE DISC AND LININGS WITH NEW. PACKED BEARINGS ... (5) R &amp; R RH TIRE , BRAKE DISC AND LININGS WITH NEW. PACKED BEARINGS... (6) R &amp; R FLAPPER VALVE AND HOUSING ASSY WITH NEW. SB2X-05-02 DUE AGAIN 04-2017 OR 1320.8... (7) R &amp; R RH WHEEL FAIRING BRACKET WITH NEW.... (8) REPLACED BOTH #2 BATTERIES WITH NEW. DUE AGAIN 04-2017... (9) ADJ NOSE GEAR BREAK AWAY FORCE. PACKED NOSE WHEEL BEARINGS.... (10) INSTALLED AND RIGGED NEW RUDDER AILERON INTERCONNECT BUNGEE PER SB 2X-27-14R3... (12) WEIGHED FIRE EXTINGUISHER. CHECKS GOOD 18.4 OZ .. (13) CW UPPER PLATE INSP PER SB2X-32-19 R3 NOSE GEAR. DUE AGAIN 1220.8... (14) CLEANED SEAT RAILS.... (16) REPLACED 6 LANDING GEAR FAIRING WELL NUTS WITH NEW.</p>
		<p><b>Maintenance Release</b>            I certify that the aircraft and/or component(s) on 435SR was repaired and inspected in accordance with a Annual inspection per the manufactures maintenance manual and current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station under Work Order No. 15483-04-2015, Dated 5/1/2015.</p>
		<p>DATE: 5/1/2015     SIGNED:      Work Order: 15483-04-2015            Mike Hartman     Printed by EBis 3 (datcomedia.com)            Certified Repair Station No. AJ4R052M</p>

# INSPECTION RECORD

## F.A.R. 43.11-91.409

KIND OF INSPECTION - STATUS & DISCREPANCY LIST  
SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

DATE	AIRCRAFT TIME IN SERVICE	
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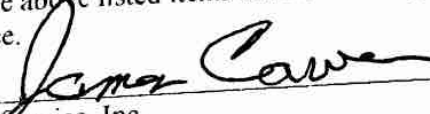
### MAINTENANCE RECORD

Date: September 14, 2015	Page 1 of 1 Pages	Reg. No: N435SR
Aircraft: Cirrus SR22	Serial #: 2022	Flight Time / Hobbs: 1,166.8 / 1,249.9

The below listed items were accomplished in accordance with Cirrus Design SR22 Aircraft Maintenance Manual and other approved or acceptable data as applicable. Work order discrepancy numbers are shown in brackets [ ], followed, in bold, directly by AD notes and SB's.

Work Order 041506509  
 [001] Aircraft battery p/n G-243 s/n G02775673 removed, charged, and reinstalled. Installed a new terminal end on the alternator's battery wire.

I certify that the above listed items have been completed, and with regard to the above items, this aircraft has been approved for return to service.

Signed   
 Central Flying Service, Inc.  
 1501 Bond Street, Little Rock, AR 72202

JAMES CARVER  
 Phone: (501) 375-3245, (800) 888-5387

CRS No. HBKR587E  
 FAX (501) 374-2150








1. Approving National Aviation Authority/Country: <b>FAA/United States</b>	<b>AUTHORIZED RELEASE CERTIFICATE</b> FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	3. Form Tracking Number: <b>SV66903</b>
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4. Organization Name and Address: <b>Avidyne Corporation, 710 North Drive Melbourne FL 32934 (Phone: 321.751.8411 Fax:321.751.8435)</b>	5. Work Order/Contract/Invoice Number: <b>SV66903</b>
--	--

6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	Primary Flight Display	700-00006-000	N/A	1	20055048	See block 13

13. Remarks:

1. Modified and tested in accordance with Repair manual 600-00128-004rev02 sections 1-11, and PMM Temporary Revision Sheet 605-00128-000rev10. FAA A.D. 2008-06-28 may apply with full details held within Returned Material Authorization SV66903.
2. Certifies that the work specified in block 12/13 was carried out in accordance with EASA Part-145 and in respect to that order the component is considered ready for release to service under EASA.145.6138
3. This article has been tested and inspected and found to comply with appendix E of 14 CFR 43 and 630-00129-000rev21 in accordance with 14 CFR 91.411

14. Certifies the items identified above were manufactured in conformity to: <input 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 checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> Other regulation specified in Block 13 Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.
15. Authorized Signature: 	16. Approval/Authorization No.:  20. Authorized Signature: 
17. Name (Typed or Printed):  18. Date (m/d/y):  	21. Approval/Certificate No.: <b>1VAR161B</b> 22. Name (Typed or Printed): <b>Maurice Shomgard Jr.</b> 23. Date (m/d/y): <b>Jan/17/2012</b>

**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.

**DEBLOIS AEROSPACE LLC** 11842 FAWN COURT NEW MARKET MD 21774 (301)-641-4657

**MAKE: CIRRUS**  
**MODEL: SR22**  
**SERIAL #: 2022**

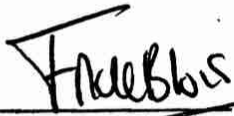
**AIRFRAME LOG ENTRY**  
**N435SR**

**HOBBS: 1273.1 HR**  
**FLIGHT: 1186.2 HR**

-----  
INSTALLED A NEW STARTER FROM CONTINENTAL P/N 657596 S/N 4C3-151308  
UNDER WORK ORDER 335878 DATED 29 APRIL 2013.

All the work was accomplished in accordance with current Federal Aviation Regulations and the manufacturer's maintenance instructions. Details of work performed is on file at Deblois Aerospace LLC.

Signature: \_\_\_\_\_



Frans de Blois

Certificate #: 3200667 A&P

Date: 16 NOV 2015

# AUTHORIZED RELEASE CERTIFICATE

FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG

FORM LOCKING NUMBER  
**263982**

1. Approving National Aviation Authority/Country:  
FAA/United States

4. Organization Name and Address:  
**Continental Motors, 2039 Broad Street, Mobile, Alabama 36615**

PC #508

5. Work Order/Contract/Invoice Number  
WPN: **335878**      CAT#: **0000115572**

6. Item	7. Description	8. Part Number	9. Eligibility *	10. Quantity	11. Serial/Batch Number	12. Status/Work
1	STARTER MOTOR - 24 VOLT	657596	N/A	13	See Block 13	New

13. Remarks:  
**AIRWORTHINESS APPROVAL**

Serial/Batch Number(s):	Description	Serial	Description
4C3-151312	STARTER MOTOR	4C3-151313	STARTER MOTOR
4C3-151304	STARTER MOTOR	4C3-151310	STARTER MOTOR
4C3-151325	STARTER MOTOR	4C3-151335	STARTER MOTOR
4C3-151336	STARTER MOTOR		
4C3-151318	STARTER MOTOR		
4C3-151329	STARTER MOTOR		
4C3-151307	STARTER MOTOR		
4C3-151311	STARTER MOTOR		
4C3-151306	STARTER MOTOR		
4C3-151308	STARTER MOTOR		

14. Certifies the items identified above were manufactured in conformity to:  
 Approved design data and are in condition for safe operation.  
 Non-approved design data specified in Block 13.

19.  14 CFR 43.9 return to Service       Other regulation specified in Block 13  
 Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

15. Authorized Signature: <i>Daniel L. Nicholas</i>	16. Approval/Authorization No.: DMIR-511010-CE	20. Authorized Signature:	21. Approval/Certificate No.:
17. Name (Typed or Printed): Daniel L. Nicholas	18. Date (m/d/y): Apr/29/2013	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 Block 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 user/installer before aircraft may be flown.

# INSPECTION RECORD

## F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST, SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
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**DEBLOIS AEROSPACE LLC** 11842 FAWN COURT NEW MARKET MD 21774 (301)-641-4657

**MAKE: CIRRUS**  
**MODEL: SR22**  
**SERIAL #: 2022**

**N435SR**

**HOBBS: 1284.3 HR**  
**FLIGHT: 1196.4 HR**

INSTALLED A NEW AILERON GAP SEAL ON THE RIGHT WING P/N 14390-003.  
INSTALLED A NEW ROD END ON THE PILOT DOOR GAS STRUT P/N 18200-101.  
REINSTALLED THE LEFT MAGNETO P/N 10-500556-1 S/N D10AA074 AFTER 500 HOUR  
INSPECTION BY AIRCRAFT ACCESSORIES UNDER WORK ORDER 14400 DATED  
12/15/15.

REINSTALLED THE RIGHT MAGNETO P/N 10-500556-1 S/N D10AA076 AFTER 500  
HOUR INSPECTION BY AIRCRAFT ACCESSORIES UNDER WORK ORDER 14399 DATED  
12/15/15.

PERFORMED RUN-UP. NO LEAKS FOUND.

All the work was accomplished in accordance with current Federal Aviation Regulations and  
the manufacturer's maintenance instructions. Details of work performed is on file at Deblois  
Aerospace LLC.

Signature:   
Frans de Blois

Certificate #: 3200667 A&P

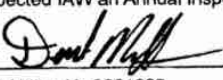
Date: 29 DEC 2015





# INSPECTION RECORD

## F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST
	MAKE: Cirrus MODEL: SR22 S/N: 2022 REG. NO: N435SR WORK ORDER: 4419-03-2016	<b>ADVANCED Fly Advanced</b> 530 Airport Rd. Lititz, PA 17543 Phone: 717-735-5179	DATE: 5/17/2016 A/C TSN: 1204.2 HOBBS: 1295.3
	<b>Airframe Entries</b> Annual Airframe Inspection completed IAW FAR 91.409 and the requirements outlined in FAR 43 App. D. with reference to the Cirrus AMM check list ch 5-20. Performed a light check. Lubed airframe. Checked cable tensions. Serviced the gascolator. ELT inspected in accordance with FAR 91.207(d). ELT batteries due 05/2018. All AD's current thru 2016-10.... C/W SB 2X-95-18 R3 CAPS rocket motor assembly replacement. Removed and replaced the CAPS parachute and Rocket. Installed Parachute S/N 01914R1. Next replacement due 4/20/2026. Installed rocket motor assembly S/N 1684. Next due 4/25/2026. Installed frangible link assembly S/N 2335. Reinstalled the CAPS reefing line cutters serial numbers 2025 & 2034. Next due for replacement 10/2017 Weight and balance updated, see POH.... C/W SB 2X-95-13 CAPS Strap Inspection and Grommet Installation.... Removed and replaced the "NO FUEL" placard at the TKS reservoir.... Retorqued the NLG strut pivot bolts.... Shimmed the upper puck pan to prevent bushing migration.... Removed and replaced the NLG rebound bumper.... Tightened the engine drain manifold at the firewall.... Repaired the collector bolt brackets on the #1 header and the L/H exhaust collector.... Secured the fuel supply line at the engine driven fuel pump.... Secured the alternate air cable from chafing the ignition harness.... Removed and replaced the throttle cable baffle pass through grommet.... Installed a new cylinder #2 barrel baffle spring.... Re-rigged the rudder/aileron circuit.... Removed and replaced the rudder rod end.... Removed and installed the ailerons to re-torqued both aileron actuation arms.... Touched up a chafe in the R/H flap and installed anti chafe tape to prevent further chafing.... Removed and replaced both brake caliper flex hoses.... Removed and replaced the nose wheel bearings and races.... Removed and replaced all MLG mushroom fairing wellnuts.... Adjusted the prop blade deice tubes.... Cleaned the firewall ground block and associated terminals.... SB 2X-05-02 Alternate Air Valve Bolt Replacement. PCW.. C/W SB 2X-52-08 R2 Catcher/Diverter and Gas Strut Replacement.... Installed strain relief brackets on the MAP and oil pressure sensors.... C/W SA13-05 Elevator Hinge Pin Inspection. No defects noted.... C/W SA15-03 H3R Aviation SB 2015-01 Fire Extinguisher. No defects noted.... Resealed both brake calipers, installed the high temp M83461/1-222 o-rings and bled the brake system.... Removed and replaced the ELT and the RCPI batteries.... Re-sealed the #1 com and storm scope antennas on the top of the fuselage.		
	I certify that this AIRFRAME has been inspected IAW an Annual Inspection and was found to be in Airworthy condition.		
	DATE: 5/17/2016	SIGNED:  Derrick S. Miller, IA: 3221608	Work Order: 4419-03-2016 Printed by EBis 3 (datcomedia.com)





# INSPECTION RECORD F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
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MAKE Cirrus  
MODEL SR-22  
S/N 2022  
REG NO N435SR  
WORK ORDER  
30588-11-2017

**Commander Aero, Inc.**  
Repair Station No GA5R-876M  
10570 Springboro Pike  
Miamisburg, Ohio 45342 USA  
Phone 888-881-5580

DATE 11/29/2017  
A/C TSN  
FLIGHTTIME 1314.9

**Airframe Entries**

(1) Removed reefing line cutters S/N's 2034 and 2025. Installed new reefing line cutters P/N 25347-002 S/N's 11993 and 11934.  
Due 11/2023.

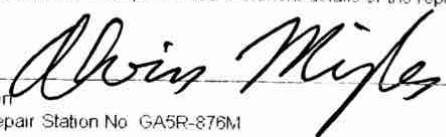
Maintenance Release

The aircraft and/or component(s) on N435SR was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service with respect to the work performed. Pertinent details of the repair are on file at this repair station under Work Order No. 30588-11-2017.

DATE: 11/29/2017

SIGNED:

Minzler, Alvin  
Certified Repair Station No GA5R-876M



Work Order: 30588-11-2017

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