

N 624CP

**AIRCRAFT LOG**  
**AF5-1**





PPG Industries, Inc.  
COMMERCIAL COATINGS

PRIMER

K36

PRIMER

COLOR

FBC 92813

COLOR

COLOR

CLEAR

F3905



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**TC # A00009CH**

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Aero Products Corporation

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# AIRCRAFT DESCRIPTION

MANUFACTURER Cirrus Design Corp. MODEL SR20 DATE OF MFG. April 2008  
SERIAL NUMBER 1947 REGISTRATION NUMBER N624CP

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	Teledyne Continental Motors	IO-360-ES	R L 360 634
ENGINE			R L
PROPELLER	Hartzell Propeller Inc.	PHC-J34F-RF	FP6560B
PROPELLER			
ENGINE			
ENGINE			
PROPELLER			
PROPELLER			
ENGINE			
ENGINE			
PROPELLER			
PROPELLER			
ENGINE			
ENGINE			
PROPELLER			
PROPELLER			



**MAJOR ALTERATIONS**

DATE	DESCRIPTION OF ALTERATION

**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.
--------------	-------------	---------------	-------------------------	-------------------------	----------------------	--------------------	------------------

**Life Limited Parts SR20**

PART NAME	PART NUMBER		EXPIRES
CAPS Rocket Motor	21814-001	S/N 4132	02/18
CAPS Parachute	20331-001	S/N 03305	02/18
CAPS Reefing Line Cutters	5212	LOT <del>105074</del> 003-044	<del>11/13</del>
ELT Batteries	MN1300	Date Installed 03/2008	03/2020 <del>07/2013</del>
EMA Controller, AAIR	20902-001	S/N 03DEC07-43	<del>DEC 2014</del>
Pilot Seat Inflator Assy, AAIR	20902-002	S/N AAS1 320U 20271	2020 12/11/2014
Co-Pilot Seat Inflator Assy, AAIR	20902-002	S/N AAS1 320U 20264	2020 12/11/2014

S/N's 6273 + 6277  
Due 5/2020

HOBBS 7.1 CRS YDS ROSSY  
10/3/08

MAY 2023

ME406 BATTERY PACK 452-6504

10/3/08  
HOBBS 7.1

0

FEB 2013

CRS YDS ROSSY















MAKE: Cirrus  
 MODEL: SR20-G3  
 S/N: 20-1947  
 REG. NO: 624CP  
 WORK ORDER:  
 12138-10-2008



**Cirrus Design Factory Service Center**

Repair Station No. YD5R855Y  
 4515 Taylor Circle  
 Duluth, MN 55811  
 Phone: 218- 788-3438

DATE: 10/10/2008  
 A/C TSN: 27.8  
 HOBBS: 27.8

DATE OF  
 COMPLETIC

**Airframe Entries**

(4) (FLT TIME: 20.2 Hrs.) Complied with CIRRUS MAINTENANCE PROGRAM Delivery Quality Check II (First 25 Hr. Inspection).... (11) Removed and serviced gascolator IAW CDC AMM 28-20.... (13) Inspected battery 1 and checked electrolyte level IAW CDC AMM 5-20 and 12-10.

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: 10/10/2008

SIGNED: *[Signature]*  
 Mitch Knase  
 Certified Repair Station No. YD5R855Y

Work Order: 12138-10-2008  
 Printed by EBIS 3 (datcomedia.com)

**MAINTENANCE**

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK OR APPROVAL
--------------------	--------------------------	---------------------------------

O & N AIRCRAFT MODIFICATIONS, INC. SEAMANS AIRPORT  
 LOG ID# 4360 09-February-2009 WO# 14504/1  
 N624CP S/N 1947 CIRRUS DESIGN CORP. SR2

\*\*\*\* ITEM # 14504-1 Install GTX-328 Mode S Transponder  
 ACTION: Removed the previously installed Garmin GTX-Mode S Transponder, reference FAA Form 337 for ICA and weight and balance revised to reflect this change tests and inspections as per FAR 91.411 and 91.413 w Appendix E and F.

*[Signature]* 2-9-2009  
 ONFR798K William L. Miller Date

I CERTIFY THAT THE ALTIMETER AND STATIC SYSTEM TESTS REQUIRED BY FAR 91.411 HAVE BEEN PERFORMED PER FAR 43 APPENDIX E. THE ALTIMETER WAS TESTED TO 20000 FT. DATE: 2-9-2009  
 STATIC SYSTEM TEST DATE 2-9-2009  
 SIGNATURE *[Signature]*

O & N AIRCRAFT MODIFICATIONS  
 SEAMANS AIRPORT  
 FACTORYVILLE PA 18419  
 CRS ONFR798K

O & N AIRCRAFT MODIFICATIONS, INC.  
 Seamans Airport, Factoryville, PA 18419  
 CRS: ONFR798K

**TRANSPONDER / ENCODER TEST & INSPECTION**  
 IN ACCORDANCE WITH FAR 43, APPENDIX F & APPENDIX E, PARA. (c)

ALTIMETER: MAKE AVIDYNE MODEL: Flight max C-100A S/N: 1WAJK  
 ENCODER: MAKE Garmin MODEL: WAK S/N: WAK  
 TRANSPONDER: MAKE Garmin MODEL: GTX 328 S/N: ---

Reply Frequency 1090 +/- 3 MHz: <u>1090.1 MHz</u>	Reply Pulse Width (Code 0000/7777) 0.45 +/- 0.10 us: <u>0.45 us</u>
Framing Pulses 20.3 +/- 0.10 us: <u>20.3 us</u>	Suppression Interrogations @ rate of 235 +/- 5 IPS
Reply Codes:	Replies to no more than 1% or 2.4 IPS when P1 = P2 <u>PASS</u>
Pulse	Replies to at Least 90% or 216 IPS when P2 < P1 <u>PASS</u>
F1... 0.00 ✓	Receiver Sensitivity -73 +/- 4 dbm <u>-73.2 dbm</u>
F1... 1.45 ✓	Difference in Mode 3/A & Mode C Receiver Sensitivity does not exceed 1 db <u>PASS</u>
C1... 2.90 ✓	RF Output Power <u>200 w</u>
A1... 4.35 ✓	
C2... 5.80 ✓	
A2... 7.25 ✓	
C4... 8.70 ✓	
A4... 11.60 ✓	
B1... 13.05 ✓	
D1... 14.50 ✓	
B2... 15.95 ✓	
D2... 17.40 ✓	
B4... 18.85 ✓	
D4... 20.30 ✓	
F2... 24.65 ✓	
SPI...	

NOTE: The Encoder must transmit altitude data corresponding to within +/- 125 feet of the indicated or calibrated datum of the Pilot's Altimeter

Test Altitude in Feet	Encoder Tolerance +/- 125 feet	Test Altitude in Feet	Encoder Tolerance +/- 125 feet
14,000		14,000	
16,000		16,000	
18,000		18,000	
20,000		20,000	
22,000		22,000	
25,000		25,000	
30,000		30,000	
35,000		35,000	
40,000		40,000	
45,000		45,000	
50,000		50,000	

Technician: *[Signature]* WO # 14504 DATE 2-9-09



## 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: SR20  
S/N: 1947  
REG. NO: N624CP  
WORK ORDER: 921

**Advanced Aircraft Services LP**

500 Airport Rd. Suite D  
Lititz, PA 17543  
Phone: 717-735-5179

DATE: 5/6/2009  
A/C TSN: 58.6  
HOBBS: 79.5

**Airframe Entries**

Completed an Annual Inspection using the Cirrus AMM check list ch. 5-20.... AD 08-03-16 Rudder-Aileron interconnect rigging/modification, N/A by ASN.... AD 08-11-18 Heat Exchanger Inspection, N/A by ASN.... AD 08-14-13 Cabin Door Rod Ends, N/A by ASN.... AD 08-13-28 Prop Hub Lube Holes, N/A by design/part number.... AD 08-06-28 R1 PFD Error, N/A by S/N.... Replaced the O/B/L fuel drain.... Retorqued the brake reservoir fitting.... Replaced all 4 fuel quantity probes and dials and recalibrated the indicator.... Reinstalled the hot/cold knob and retorqued the set screws on all 3 environmental controls.... Serviced the tires, repacked all wheel bearings, serviced the battery, serviced the brake fluid reservoir, cleaned and inspected the fuel gascolator screen, completed a light check, C/W FAR 91.207 (d) ELT check. All AD's current thru 09-09.-END-

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

DATE: 5/6/2009

SIGNED: 

Work Order: 921

Richard A. Barnhart II, IA: 3124994

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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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O&N AIRCRAFT MODIFICATIONS, INC. SEAMANS AIRPORT 210 WINDSOCK LANE FACTORYVILLE, PA  
LOG ID# 4557 18-May-2009 WO# 14661 HOBBS 88.5  
N624CP S/N 1947 CIRRUS DESIGN CORP. SR20

Pg 1 / 1

Removed left and right MLG tires. Replaced tires with two new Goodyear Flight Custom III 15.6x6.00-6, 6PR tires P/N 156E66-4, S/N 8309-0296 and S/N 83110363. Reused existing tubes. Serviced to 53 psi as per service manual. Details on file under w/o 14661.

ONFR798K

DENNIS E. JOHNSON

Date

MAKE: Cirrus  
MODEL: SR20  
S/N: 1947  
REG. NO: N624CP  
WORK ORDER: 952

**Advanced Aircraft Services LP**

500 Airport Rd. Suite D  
Lititz, PA 17543  
Phone: 717-735-5179

DATE: 6/1/2009  
A/C TSN: 67.1  
HOBBS: 90

**Airframe Entries**

Replaced the A/P pitch trim relay. Ops checked good.... Complied with SB 2X-71-10R2 Oil breather line insulation sleeve modification.

**Maintenance Release**

The aircraft and/or component(s) on N624CP was repaired and inspected in accordance with 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 facility under Work Order No. 952, Dated 6/1/2009.

DATE: 6/1/2009

SIGNED: 

Work Order: 952

James J. Mazzante, A&P: 2699478

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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
8/4/2009	FUT TIME 99.6	Performed Inspection of Batteries 1	<i>[Signature]</i>
MAKE: Cirrus MODEL: SR20 S/N: 1947 REG. NO: N624CP WORK ORDER: 1124		<b>Advanced Aircraft Services LP</b> 500 Airport Rd. Suite D Litz, PA 17543 Phone: 717-735-5179	DATE: 11/18/2009 A/C TSN: 102.1 HOBBS: 133.6
<b>Airframe Entries</b> Completed the Cirrus 100hr Scheduled maintenance. Lubricated door hinges, Lubricated the nose wheel spindle threads, Lubricated the flap actuator shaft, Replaced the brake caliper O-rings.			
<b>Maintenance Release</b> The aircraft and/or component(s) on N624CP was repaired and inspected in accordance with 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 facility under Work Order No. 1124, Dated 11/18/2009.			
DATE: 11/18/2009	SIGNED: <i>[Signature]</i>		Work Order: 1124
	James J. Mazzante, A&P: 2699478		Printed by EBis 3 (datcomedia.com)

Statements in Block 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance must comply with applicable national regulations by the user/installer before the aircraft may be flown.  
 FAA Form 8130-3 (6-01) \*Installer must cross-check eligibility

**F.A.R. 43.9**

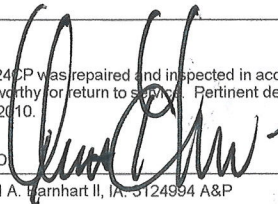
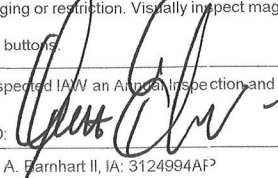
DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
		<b>Advanced Aircraft Services LP</b> 500 Airport Rd. Suite D Litz, PA 17543 Phone: 717-735-5179	DATE: 6/4/2010 A/C TSN: 148.9 HOBBS: 189.1
		<b>Airframe Entries</b> Completed an Annual Inspection using the Cirrus AMM check list ch. 5-20. Serviced the tires, Serviced the battery, serviced the brake fluid reservoir, lubed airframe hinge points, checked all cable tensions, completed and interior and exterior light check, cleaned and inspected the fuel gascolator screen, C/W FAR 91.207 (d) and interior check.... C/W AD 09-05-05 PFD Error, N/A by S/N.... C/W SB 2X-32-19 R2 Nose gear inspection, ELT check.... C/W AD 09-05-05 PFD Error, N/A by S/N.... C/W SB 2X-95-12 CAPS CMM line cutters rigging illustration error.... Replaced installed reinforcement bolt.... C/W SB 2X-95-12 CAPS CMM line cutters rigging illustration error.... Replaced the electric fuel pump. Op's and leak check good. S/N off-4102 S/N on-2613... Replaced the left elevator.... Retorqued the brake reservoir line at the firewall.	
		I certify that this AIRFRAME has been inspected under an Annual Inspection and was found to be in Airworthy condition.	
DATE: 6/4/2010	SIGNED: <i>[Signature]</i>		Work Order: 1312
	Dave Hildebrand, IA: AP32891961A		Printed by EBis 3 (datcomedia.com)

**O&N AIRCRAFT MODIFICATIONS, INC. SEAMANS AIRPORT 210 WINDSOCK LANE FACTORYVILLE, PA**  
 LOG ID# 5150 15-June-2010 WO# 15101  
 N624CP S/N 1947 CIRRUS DESIGN CORP. SR20 TACH 149.2 Pg 1 / 1

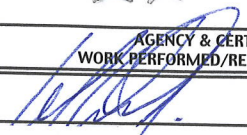
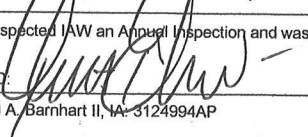
Found broken ring terminal on alternator battery terminal. Replaced with new. Runup and operation check okay. This aircraft identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this Repair Station under work Order No. 15101.  
*[Signature]* 6-15-2010  
 ONFR798K DENNIS E. JOHNSON Date



## 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: SR20 S/N: 1947 REG. NO: N624CP WORK ORDER: 1376	<b>Advanced Aircraft Services LP</b> 500 Airport Rd. Suite D Lititz, PA 17543 Phone: 717-735-5179	DATE: 7/7/2010 A/C TSN: 211.1 HOBBS: 164
		<b>Airframe Entries</b> Replaced #2 Batteries.	
		Maintenance Release	
		The aircraft and/or component(s) on N624CP was repaired and inspected in accordance with 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 facility under Work Order No. 1376, Dated 7/7/2010.	
	DATE: 7/7/2010	SIGNED: 	Work Order: 1376 Printed by EBis 3 (datcomedia.com)
		MAKE: Cirrus MODEL: SR20 S/N: 1947 REG. NO: N624CP WORK ORDER: 1477-10-2010	DATE: 15 October, 2010 A/C TSN: 260.1 HOBBS: 205.9
		<b>Advanced Aircraft Services LP</b> 500 Airport Rd. Suite D Lititz, PA 17543 Phone: 717-735-5179	
		<b>Airframe Entries</b> C/W Cirrus 50 hour inspection items listed// Remove engine cowl and clean. Change engine oil and filter and cut to inspect. Inspect oil lines and fittings for condition, security, and leaks. Inspect spark plug leads for chaffing, corrosion, and deposits. Visual inspection of air intake ducts and filter for general condition. Check operation of alternate air flapper valve. Drain and clean gascolator, fuel filter, and bowl. Perform inspection/check on exhaust system. Visually inspect breather tube for obstructions and security. Replenish brake fluid reservoir. Visually inspect engine compartment for loose nuts, bolts, screws, and parts. Inspect cylinder drains for clogging or restriction. Visually inspect magnetos and perform mag drop check., adjust as needed. Lubed pilot and co-pilot door latches and buttons.	
		I certify that this AIRFRAME has been inspected IAW an Annual Inspection and was found to be in Airworthy condition.	
	DATE: 15 October, 2010	SIGNED: 	Work Order: 1477-10-2010 Printed by EBis 3 (datcomedia.com)

## 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
1/30/2011	237.4	Replaced master battery 1	
		MAKE: Cirrus MODEL: SR20 S/N: 1947 REG. NO: N624CP WORK ORDER: 1643-03-2011	DATE: 3/8/2011 A/C TSN: 258.1 HOBBS: 319.7
		<b>Advanced Aircraft Services</b> 530 Airport Rd. Lititz, PA 17543 Phone: 717-735-5179	
		<b>Airframe Entries</b> Cirrus Airframe Annual Inspection completed using the Cirrus AMM check list ch. 5-20. ELT inspected in accordance with FAR 91.207(d). ELT batteries due Feb. 2013. All AD's current thru 2011-05.... C/W SB 2X-27-16 Flap Actuator Mod.... Adjusted the exhaust spring tensions.... Replaced the aft rudder rod end.... Rebanded the tail tie down bumper.... Replaced the aft left nav lamp.... Replaced the right strobe flashtube assembly.... Work completed by Lancaster Avionics Inc. under work order #16182.	
		I certify that this AIRFRAME has been inspected IAW an Annual Inspection and was found to be in Airworthy condition.	
	DATE: 3/8/2011	SIGNED: 	Work Order: 1643-03-2011 Printed by EBis 3 (datcomedia.com)



O & N AIRCRAFT MODIFICATIONS, INC.  
Seamans Airport, Factoryville, PA 18419  
CRS: ONFR798K

**ALTIMETER SYSTEM AND ALTITUDE REPORTING EQUIPMENT TESTS AND INSPECTION  
IN ACCORDANCE WITH FAR PART 3, APPENDIX E**

ALTIMETER MAKE: ADRV MODEL: FLIGHT MAX SN: 12015 DATE: 3-9-11  
W/O #: 15392 CUSTOMER: SKYLINE HOLDINGS INC.  
A/C MAKE MODEL: CIRRUS SB 70 REGISTRATION #: N1224CP  
DISCREPANCIES REPORTED / FOUND:

Test Altitude In Feet	Altimeter		Encoder Tolerance	Altimeter		Static System Leak Test	
	Tolerance +/- feet	Actual +/- feet	+/-125 feet	Friction (Altitude)	Tolerance +/- feet	Actual +/- feet	Tolerance +/-100 fpm
-1,000	20	0	450 FT	1000	70	75	#1 O/FPM
0	20	0		2000	70	75	#2 NA
500	20	0		3000	70	75	Emergency NA
1,000	20	75		5000	70	75	
1,500	25	75		10000	80	75	All Case Leak Test
2,000	30	75		15,000	90	75	Tolerance +/- 100 fpm
3,000	30	75		20,000	100	75	
4,000	35	75		25,000	120	75	L/H O/FPM
6,000	40	75		30,000	140		R/H NA
8,000	40	75		35,000	160		Emergency NA
10,000	40	75		40,000	180		
12,000	40	75		50,000	250		After Effect Test
14,000	40	75					
16,000	40	75					
18,000	40	75					
20,000	40	75		28.10	-1727	-1728	Tolerance +/-30 ft
22,000	40	75		28.50	-1340	-1335	O/FPM
25,000	40	75		29.00	-893	-892	
30,000	40	75		29.50	-392	-392	Encoder
35,000	205			29.92	0	0	
40,000	230			30.50	+531	530	Mig. Altitude
45,000	255			30.90	+893	895	P/N IN/A/C
50,000	280			30.99	+974	974	S/N IN/A/C

Hysteresis Test:  
First Test Point (50% of Maximum Altitude) Tolerance +75 feet: 75  
Second Test Point (40% of Maximum Altitude) Tolerance +75 feet: 75

Aircraft System Tests: ADRV Technician: J. Smith  
Maintenance Release: AG Inspector: J. Smith  
Logbook Entry: AG Date: 3-9-2011

FORM ON004A  
10/4/1999

**RECORD**

AGENCY & CERTIFICATE NO.  
WORK PERFORMED/RETURNED TO SERVICE

DATE OF COMPLETION

WINDSOCK LANE FACTORYVILLE, PA

Pg 1 / 1

and 91.413. All results found to

NOTE THAT THE ATC TRANSPONDER TESTS REQUIRED  
91.413 HAVE BEEN PERFORMED AND FOUND TO  
COMPLY WITH FAR PART 43 APPENDIX F.

DATE: 3-9-2011  
BY: [Signature]  
O & N AIRCRAFT MODIFICATIONS  
SEAMANS AIRPORT  
FACTORYVILLE PA 18419  
CRS ONFR798K

MAKE: Cirrus  
MODEL: SR20  
S/N: 1947  
REG. NO: N624CP  
WORK ORDER:  
1840-07-2011

**Advanced Aircraft Services**

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

DATE: 7/15/2011  
A/C TSN: 388.1  
HOBBBS: 499.8

AGENCY & CERTIFICATE NO.  
WORK PERFORMED/RETURNED TO SERVICE

**Airframe Entries**

Cirrus Airframe 100 hour Inspection completed using the Cirrus AMM check list ch. 5-20. ELT inspected in accordance with FAR 91.207(d). ELT batteries due Feb 2013. All AD's current thru 2011-14.... C/W SB 2X-27-16 R1 Flap Actuator Mod.... Adjusted the prop governor.... Installed a new O/B screw in the right MLG fairing.... Retorqued both I/B aileron hinges.... Secured the Tanis plug wire ty-rap base.

I certify that this aircraft has been inspected IAW a 100hr inspection and was found to be in Airworthy condition.

DATE: 7/15/2011

SIGNED: [Signature]

Work Order: 1840-07-2011

Derrick S. Miller, A&P: 3221608

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MAKE: Cirrus  
MODEL: SR20  
S/N: 1947  
REG. NO: N624CP  
WORK ORDER:  
1930-09-2011

**Advanced Aircraft Services**

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

DATE: 9/30/2011  
A/C TSN: 447.3  
HOBBBS: 509.1

**Airframe Entries**

Removed and replaced the fuel sump valve located below the gascolator. leak check good.... Re-rigged passenger door latching mechanisms, lubed latches and repaired damaged bottom door latch.... Removed and replaced the I/B and O/B fuel sending dials.

**Maintenance Release**

The aircraft and/or component(s) on N624CP was repaired and inspected in accordance with the current rules and regulations of Title 14 of the Code of Federal Regulations, was found Airworthy and was returned to service. Additional details of the repair are available at this facility under Work Order No. 1930-09-2011, Dated 9/30/2011.

DATE: 9/30/2011

SIGNED: [Signature]

Work Order: 1930-09-2011

Jonathan T. Milby, A&P: 8477163AP

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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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MAKE: Cirrus  
MODEL: SR20  
S/N: 1947  
REG. NO: N624CP  
WORK ORDER:  
1930-09-2011

**Advanced Aircraft Services**

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

DATE: 11/11/2011  
A/C TSN: 488.8  
HOBS: 550.5

**Airframe Entries**

Removed and replaced all 4 fuel sending dials. Calibrated both tanks. Ops check good.

**Maintenance Release**

The aircraft and/or component(s) on N624CP was repaired and inspected in accordance with the current rules and regulations of Title 14 of the Code of Federal Regulations, was found Airworthy and was returned to service. Additional details of the repair are available at this facility under Work Order No. 1930-09-2011, Dated 11/11/2011.

DATE: 11/11/2011

SIGNED:

Jonathan T. Milby A&P: 3477168AP

Work Order: 1930-09-2011

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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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O&N AIRCRAFT MODIFICATIONS, INC. SEAMANS AIRPORT 210 WINDSOCK LANE FACTORYVILLE, PA  
LOG ID# 6041 24-January-2012 WO# 15728/1 AC TT 505.4  
N624CP S/N 1947 CIRRUS DESIGN CORP. SR20 TACH 505.4

Pg 1 / 1

Performed an annual/100/500 hour inspection per O&N Form ON005 and Cirrus Aircraft Maintenance Manual check list Ch. 5-20 inspection forms. All ADS current to 01-24-2012. C/W FAR 91-207(d) ELT inspection and testing. No defects noted. operation check good. Switch reset to "arm". Battery will expire ~~FEB. 2013~~. ELT 406 MHZ registration will expire April 13, 2013. Removed and replaced all brake lines P/N 066-10500. Removed nose wheel gear pant for fiberglass shop repair. Reinstalled repaired part on aircraft. Replaced o-rings and bled brake system IAW Cirrus Aircraft Maintenance Manual. Operation test good. Removed and replaced engine air filter P/N BA-24. C/w alternator 500-hour inspection. Removed alternator P/N ES4024LP and replaced with overhauled unit P/N ES4024LPR, S/N H-K110254. Ground runup operation check okay. Removed and replaced cracked landing light lens P/N 17298-001. Removed flags from rudder and cleaned surface. Applied customer supplied flags IAW installation instructions. Inspected gear driven alternator per Cirrus and B&C specialty inspection per 500-hour inspection. Check okay. C/w inspection of cabin air control per Cirrus Aircraft Maintenance Manual Chap./Sect. 21-60. Check okay. This aircraft identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this Repair Station under work Order No. 15728. I certify that this aircraft has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

NOTE: NEXT 100-HOUR INSPECTION DUE AT 605.4 TACH HOURS.

*Larry G. Kriner* 1-24-2012  
ONER798K LARRY G. KRINER Date



**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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O&N AIRCRAFT MODIFICATIONS, INC. SEAMANS AIRPORT 210 WINDSOCK LANE FACTORYVILLE, PA  
 LOG ID# 6120 21-March-2012 WO# 15789 HOBBS 592.7 Pg 1 / 1  
 N624CP S/N 1947 CIRRUS DESIGN CORP. SR20

Found cabin heat control cable bent behind control panel. Removed glare shield and removed cable assembly. Straightened cable, lubricated housing and reinstalled. Adjusted cable and installed glare shield. Operation checked heat control. Check satisfactory. This aircraft identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this Repair Station under work order No. 15789.

*Larry G. Kriner* 3-21-2012  
 ONFR798K LARRY G. KRINER Date

6/4/2012 500.4 TACH PERFORMANCE BATTERY 1 INSPECTION *[Signature]*

O&N AIRCRAFT MODIFICATIONS, INC. SEAMANS AIRPORT 210 WINDSOCK LANE FACTORYVILLE, PA  
 LOG ID# 6165 20-April-2012 WO# 15825 HOBBS 606.2 Pg 1 / 1  
 N624CP S/N 1947 CIRRUS DESIGN CORP. SR20

Inspected wheel pants. Installed "star" locking washers and resecured all attaching hardware. Stop-drilled crack in nose wheel pant. This aircraft identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this Repair Station under work order No. 15825.

*Larry G. Kriner* 4-20-2012  
 ONFR798K LARRY G. KRINER Date

**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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05 APR 2008 6.0 HRS  
 Production Flight Test accomplished in accordance with Cirrus Procedure #90500  
 Name: Thomas Althaus Date 05 APRIL 2008  
 Signature: *[Signature]*  
 Title: Production Flight Test Pilot

April 10 2008 6.0 hrs  
 I find that the aircraft meets the requirements for the certification requested and have issued an U.S. Standard Airworthiness Certificate dated April 10 2008.  
 The next inspection is due April 30 2009  
*[Signature]*  
 LOREN L. THIBERT  
 ODARF-405228-CE



**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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O&N AIRCRAFT MODIFICATIONS, INC. SEAMANS AIRPORT 210 WINDSOCK LANE FACTORYVILLE, PA  
LOG ID# 6320 23-July-2012 WO# 15935 AC TT 651.8 HOBBS 590.1  
N624CP S/N 1947 CIRRUS DESIGN CORP. SR20 Pg 1 / 1

Removed and replaced both back up batteries P/N NP7-12-250. Batteries expire 7-23-2014. This aircraft identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this Repair Station under work order No. 15935.

*Larry G. Kriner* 7-23-2012  
ONFR798K LARRY G. KRINER Date

O&N AIRCRAFT MODIFICATIONS, INC. SEAMANS AIRPORT 210 WINDSOCK LANE FACTORYVILLE, PA  
LOG ID# 6383 28-August-2012 WO# 15965/1 AC TT 602.8 HOBBS 664.5  
N624CP S/N 1947 CIRRUS DESIGN CORP. SR20 Pg 1 / 1

Performed 100 HR inspection per O&N Form003 & Cirrus SR20 maintenance manual. Inspected intake and exhaust. Inspected and lubricated all engine controls. Reviewed and C/W all pertinent AD's. See WO 15965 for details. C/W AD 2008-11-18 by visual inspection of exhaust system and exhaust pressure check per Cirrus SB2x-78-07 R1. No defects found. Removed right wheel pant, repaired crack and reinstalled. Touch up painted. Removed and replaced "O" rings in LT and RT MLG brake assemblies. Bled system and serviced reservoir with MIL 5606A. Removed MLG tires and reversed to gain more even wear. Tires reinstalled. Removed and replaced vac regulator filter P/N B3-5-1. Removed nose wheel cover for repair of crack with fiberglass touched up painted. Reinstalled wheel pant on aircraft. I certify that this aircraft has been inspected in accordance with an 100HR inspection and was determined to be in airworthy condition.

*Larry G. Kriner* 8-28-2012  
ONFR798K LARRY G. KRINER Date

**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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O&N AIRCRAFT MODIFICATIONS, INC. SEAMANS AIRPORT 210 WINDSOCK LANE FACTORYVILLE, PA  
LOG ID# 6463 15-October-2012 WO# 16019 HOBBS 693.9  
N624CP S/N 1947 CIRRUS DESIGN CORP. SR20 Pg 1 / 1

Reset #1 Alternator breaker. Charged battery, ops check ok. Unable to duplicate problem. This aircraft identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this Repair Station under work order No. 16019. This aircraft identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this Repair Station under work order No. 16019.

*Larry G. Kriner* 10-15-2012  
ONFR798K LARRY G. KRINER Date

O&N AIRCRAFT MODIFICATIONS, INC. SEAMANS AIRPORT 210 WINDSOCK LANE FACTORYVILLE, PA  
LOG ID# 6609 24-January-2013 WO# 16080/1  
N624CP S/N 1947 CIRRUS DESIGN CORP. SR20 657.6 Pg 1 / 1

C/W FAR 91-207(d) ELT inspection and testing. No defects noted. Operation check good. Reinstalled in aircraft. Switch reset to "arm". Battery will expire 02/2013. This aircraft identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this Repair Station under work order No. 16080.

*Larry G. Kriner* 1-24-2013  
ONFR798K LARRY G. KRINER Date



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

DATE

O&N AIRCRAFT MODIFICATIONS, INC. SEAMANS AIRPORT 210 WINDSOCK LANE FACTORYVILLE, PA  
 LOG ID# 6881 26-July-2013 WO# 16244 HOBBS 786.9 Pg 1 / 1  
 N624CP S/N 1947 CIRRUS DESIGN CORP. SR20

Removed cowling, cleaned and lubricated all control cables and cams. Re-assembled side kick panel and re-cowled Throttle ops check okay. Adjusted cabin heat cable assembly and valve. Lubricated and ops check okay. Recowled and move to ramp and secured. This aircraft identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this Repair Station under work Order No. 16244.

*Larry G. Kriner* 7-26-2013  
 ONFR798K LARRY G. KRINER Date

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**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

O&N AIRCRAFT MODIFICATIONS, INC. SEAMANS AIRPORT 210 WINDSOCK LANE FACTORYVILLE, PA  
 LOG ID# 6883 18-September-2013 WO# 16292/1 HOBBS 820.0 Pg 1 / 1  
 N624CP S/N 1947 CIRRUS DESIGN CORP. SR20 758.3 - Flight Hobbs

Performed 100HR inspection per O&N Form ON005 and Cirrus Aircraft Maintenance Manual check list Ch. 5-20 inspection forms. Researched all applicable AD's for compliance. See WO 16292 for details. R&R LT and RT MLG tires P/N 15.6x6-6 ply. Clean and repack wheel bearings including nose gear. R&R All MLG brake linings P/N 066-10500. Utilized rivets 105-00200. Ops check good. Inspected fire extinguisher and checked wt. Reinstalled in aircraft. Life limit due 10/31/2019. R&R LT & RT MLG Brake assembly "o" ring seals P/N MS28775-222 per Cirrus scheduled maintenance. Bled both systems and ops check okay. Cleaned and inspected aircraft battery #1 per shop manual and inspection form Slow.

C/W FAR 91-207(d) ELT inspection and testing. No defects noted. Operation check good. Reinstalled in aircraft. Switch reset to "arm". Battery will expire 03/2020. C/w s.b. 643B checked and adjusted magneto timing. Ground run up okay. C/w MSB SB2X-32-19 R2. Inspected nose gear attach area per service bulletin. Re-enforcement bolt previously installed. Remove clean and inspect fuel filter. Reinstalled fuel bowl filter assembly. Resafetied and leak check okay. Next check due in 50 hrs TIS(870.0 Hobbs)

I certify that this aircraft has been inspected in accordance with a 100HR inspection and was determined to be in airworthy condition.

*Larry G. Kriner* 9-18-2013  
 ONFR798K LARRY G. KRINER Date

O&N AIRCRAFT MODIFICATIONS, INC. SEAMANS AIRPORT 210 WINDSOCK LANE FACTORYVILLE, PA  
 LOG ID# 7024 21-February-2014 WO# 16400/1 AC TT 790.1 Pg 1 / 1  
 N624CP S/N 1947 CIRRUS DESIGN CORP. SR20

Removed and replaced aircraft battery as per customer request. Installed new Gill 7000 series battery P/N 7243-16.S/N G02817969. Top off charge as per Gill installation instructions, cleaned battery box and terminal connections. Re-cowl aircraft. Operational check -ok.

*Larry G. Kriner* 2-21-2014  
 ONFR798K Larry G. Kriner, Date



Make Cirrus Model SR20 S.N. \_\_\_\_\_  
 P.N. 16875-002 Title RH aileron assy.

This aircraft/component/subassembly 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 this agency under Work Order No. 16348

Date: May 2, 2014 Signed: Boys Williams

WILLIAMS AIRMOTIVE  
 A DIV. OF ACW INC.  
 9838 N 1100 E  
 Kendallville, Indiana 46755

WWFR 300K

DISCREPANCY LIST  
 DISAPPROVING AIRCRAFT FOR SERVICE


CK LANE FACTORYVILLE, PA  
Hobbs Pg 1 / 1

ent, paint, and balance.  
 Williams work order No.16348,

dated May 2, 2014. this aircraft has been inspected and approved for return to service.

Larry G. Kriner 6-26-2014  
 CRS: ONFR798K LARRY G. KRINER Date

## 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
	MAKE: Cirrus MODEL: SR20 S/N: 1947 REG. NO: N624CP WORK ORDER: 3439-07-2014	 <b>Advanced Lancaster LP</b> 530 Airport Rd. Lititz, PA 17543 Phone: 717-735-5179	DATE: 7/9/2014 A/C TSN: 792.7 HCBBS: 854.4
	<b>Airframe Entries</b>		
	Removed and replaced the CAPS reefing line cutters with serial numbers 6273 and 6277, next due 05/2020.		
	Maintenance Release		
	The aircraft and/or component(s) on N624CP was repaired and inspected in accordance with the current rules and regulations of Title 14 of the Code of Federal Regulations, was found Airworthy and was returned to service		
	DATE: 7/9/2014	SIGNED: <u>Richard A. Barnhart II</u>	Work Order: 3439-07-2014
		Richard A. Barnhart II, IA. 3124834AP	Printed by EBis 3 (datcomedia.com)



# INSPECTION RECORD

## F.A.R. 43.11-91.409

O&N AIRCRAFT MODIFICATIONS, INC. SEAMANS AIRPORT 210 WINDSOCK LANE FACTORYVILLE, PA  
 LOG ID# 7244 15-August-2014 WO# 16521 HOBBS 819.3  
 N624CP S/N 1947 CIRRUS DESIGN CORP. SR20

Remove and replace 2 back-up batteries as needed. Due again AUG 2016. Remove pant on left wheel. Repaired damaged area as needed. Prime, sand, and paint. Reinstall pant on aircraft. This aircraft has been inspected and approved for return to service.

*Larry G. Kriner*  
 CRS: ONFR798K LARRY G. KRINER Date: 8-15-2014

MAKE: Cirrus  
 MODEL: SR20  
 S/N: 1947  
 REG. NO: N624CP  
 WORK ORDER:  
 3508-08-2014



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

DATE: 8/1/2014  
 A/C TSN: 813.7  
 HOBBS: 875.5

### Airframe Entries

Adjusted the R/H flap. Removed and installed the L/H aileron to inspect the trim cartridge. No defects found. Adjusted the Aileron trim tab. Flight test required.

### Maintenance Release

The aircraft and/or component(s) on N624CP was repaired and inspected in accordance with the current rules and regulations of Title 14 of the Code of Federal Regulations, was found Airworthy and was returned to service.

DATE: 8/1/2014

SIGNED: *Richard A. Barnhart II*  
 Richard A. Barnhart II, IA: 3124994AP

Work Order: 3508-08-2014  
 Printed by EBis 3 (datcomedia.com)

# CORD .409

## INSPECTION-STATUS & DISCREPANCY LIST REASON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE

210 WINDSOCK LANE FACTORYVILLE, PA  
 3BS 853.1  
 791.3 - FIT. Hobbs Pg 1 / 1

Manufacturer's maintenance manual. Cirrus AMM  
 oils. Lubricated all control systems.  
 regulator filter. Removed aircraft battery.  
 and clean drains. Reinstalled battery.  
 testing. No defects noted. operation  
 Battery will expire MAR 2020. Comply  
 B. All checks ok. Inspect and weigh fire  
 and mandatory S.B. I certify that this  
 inspection and was determined to be in

7543 CRS# LN7R261N  
 2.1 Pg 1 / 1

WINDSOCK LANE FACTORYVILLE, PA

TURN COORDINATOR. REMOVED FAULTY  
 EXCHANGE TURN COORDINATOR, S/N  
 SERVICE MANUAL.

SOFTWARE TO V5.0 I.A.W. GARMIN

1. Approving Civil Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	
4. Organization Name and Address: <b>MidContinent</b> INSTRUMENTS-AVIONICS 9400 E. 34th Street N. Wichita, KS 67226-2615		5. Work Order/Contract/Invoice Number: WRK0238388	
6. Item: TURN COORD.	7. Description: TURN COORD.	8. Part Number: 1394T-00-1488 6405	9. Quantity: 1
10. Serial Number: D14-10895		11. Status/Work: OVERHAULED	
3a. Certifies the items identified above were manufactured in conformity with the design data and are in condition for safe operation. <input type="checkbox"/> Approved design data specified in Block 12. <input type="checkbox"/> Non-approved design data specified in Block 12.		14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12	
13b. Authorized Signature:  13d. Name (Typed or Printed): NICHOLAS HOWE		14b. Approver/Certificate No.: FAA CRS 0238061L 17 Jul 2014	

### User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. When the user/installer performs work in accordance with the national regulations or an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensure that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a 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 installer/user before the aircraft may be flown.



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

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

LANCASTER AVIONICS, INC. 500-U AIRPORT ROAD LITITZ, PA 17543 CRS# LN7R261N  
LOG ID# 3571 01-August-2014 WO# 19155/1 AC TT 817.4 HOBBS 846.7  
N624CP S/N 1947 CIRRUS DESIGN CORP. SR20  
FLIGHT TIME 817.4

Pg 1 / 1

\*\*\*\* ITEM # 19155-1 REPAIR 55X AUTOPILOT \*\*\*\*  
DISCREPANCY: AUTOPILOT STILL HAS A 10 DEGREE ROLL OSCILLATION.  
Model: 55X  
ACTION: FLIGHT CHECKED AUTOPILOT WITH PILOT OF AIRCRAFT. PERFORMED AILERON TRIM TAB ADJUSTMENT.

CRS# LN7R261N SCOTT KUHNS

LOG ID# 2621 01-August-2014 WO# 19155/1 AC TT 817.4 HOBBS 846.7  
N624CP S/N 1947 CIRRUS DESIGN CORP. SR20  
FLIGHT TIME 817.4

Pg 1 / 1

Performed Flight Check as required by previous log entry from Lancaster Avionics Inc. Flight Check was accomplished in accordance with guidance provided by Lancaster Avionics Inc. All provided parameters for the Flight Check were accomplished for which the Flight Check was required was found to perform its intended function.

CRS# LN7R261N Flight Check Pilot Signature

DATE AIRCRAFT TIME IN SERVICE

O&N AIRCRAFT MODIFICATION  
LOG ID# 7463 14-April-2015  
N624CP S/N 1947 CIRRUS

performed the tests and inspection per FAR Part 43, Appendix E and F.

*William L. Miller*  
ONFR798K William L. Miller

I CERTIFY THAT THE ALTIMETER TESTS REQUIRED BY FAR PART 43 APPENDIX E WERE TESTED TO 25000 FEET.  
STATIC SYSTEM TEST DISCREPANCY SIGNATURE *William L. Miller*

O & N AIRCRAFT MODIFICATION  
SEAMANS, INC.  
FACTORYVILLE, PA  
CRS: ONFR798K

Aircraft System Tests  
Maintenance Release: *BR*  
Logbook Entry: *W*  
FORM ON0004 10/4/1989  
Technician: *CLM*  
Inspector: *W*  
Date: *4/14/15*

Test Altitude in Feet	Altimeter		Encoder		Altimeter		Static System Leak Test	
	Tolerance +/- feet	Actual +/- feet	Tolerance +/-125 feet	Actual +/- feet	Tolerance +/- feet	Actual +/- feet	Tolerance +/-100 fpm	Actual
0	20	20	4.5	4.5	70	70	#1	4.0 EFM
500	20	20	4.5	4.5	70	70	#2	N/A
1,000	20	20	4.5	4.5	70	70	Emergency N/A	
1,500	20	20	4.5	4.5	70	70	Alt. Case Leak Test Tolerance +/-100 fpm	
2,000	20	20	4.5	4.5	70	70	Emergency N/A	
2,500	20	20	4.5	4.5	70	70	Emergency N/A	
3,000	20	20	4.5	4.5	70	70	Emergency N/A	
3,500	20	20	4.5	4.5	70	70	Emergency N/A	
4,000	20	20	4.5	4.5	70	70	Emergency N/A	
4,500	20	20	4.5	4.5	70	70	Emergency N/A	
5,000	20	20	4.5	4.5	70	70	Emergency N/A	
5,500	20	20	4.5	4.5	70	70	Emergency N/A	
6,000	20	20	4.5	4.5	70	70	Emergency N/A	
6,500	20	20	4.5	4.5	70	70	Emergency N/A	
7,000	20	20	4.5	4.5	70	70	Emergency N/A	
7,500	20	20	4.5	4.5	70	70	Emergency N/A	
8,000	20	20	4.5	4.5	70	70	Emergency N/A	
8,500	20	20	4.5	4.5	70	70	Emergency N/A	
9,000	20	20	4.5	4.5	70	70	Emergency N/A	
9,500	20	20	4.5	4.5	70	70	Emergency N/A	
10,000	20	20	4.5	4.5	70	70	Emergency N/A	
10,500	20	20	4.5	4.5	70	70	Emergency N/A	
11,000	20	20	4.5	4.5	70	70	Emergency N/A	
11,500	20	20	4.5	4.5	70	70	Emergency N/A	
12,000	20	20	4.5	4.5	70	70	Emergency N/A	
12,500	20	20	4.5	4.5	70	70	Emergency N/A	
13,000	20	20	4.5	4.5	70	70	Emergency N/A	
13,500	20	20	4.5	4.5	70	70	Emergency N/A	
14,000	20	20	4.5	4.5	70	70	Emergency N/A	
14,500	20	20	4.5	4.5	70	70	Emergency N/A	
15,000	20	20	4.5	4.5	70	70	Emergency N/A	
15,500	20	20	4.5	4.5	70	70	Emergency N/A	
16,000	20	20	4.5	4.5	70	70	Emergency N/A	
16,500	20	20	4.5	4.5	70	70	Emergency N/A	
17,000	20	20	4.5	4.5	70	70	Emergency N/A	
17,500	20	20	4.5	4.5	70	70	Emergency N/A	
18,000	20	20	4.5	4.5	70	70	Emergency N/A	
18,500	20	20	4.5	4.5	70	70	Emergency N/A	
19,000	20	20	4.5	4.5	70	70	Emergency N/A	
19,500	20	20	4.5	4.5	70	70	Emergency N/A	
20,000	20	20	4.5	4.5	70	70	Emergency N/A	
20,500	20	20	4.5	4.5	70	70	Emergency N/A	
21,000	20	20	4.5	4.5	70	70	Emergency N/A	
21,500	20	20	4.5	4.5	70	70	Emergency N/A	
22,000	20	20	4.5	4.5	70	70	Emergency N/A	
22,500	20	20	4.5	4.5	70	70	Emergency N/A	
23,000	20	20	4.5	4.5	70	70	Emergency N/A	
23,500	20	20	4.5	4.5	70	70	Emergency N/A	
24,000	20	20	4.5	4.5	70	70	Emergency N/A	
24,500	20	20	4.5	4.5	70	70	Emergency N/A	
25,000	20	20	4.5	4.5	70	70	Emergency N/A	
25,500	20	20	4.5	4.5	70	70	Emergency N/A	
26,000	20	20	4.5	4.5	70	70	Emergency N/A	
26,500	20	20	4.5	4.5	70	70	Emergency N/A	
27,000	20	20	4.5	4.5	70	70	Emergency N/A	
27,500	20	20	4.5	4.5	70	70	Emergency N/A	
28,000	20	20	4.5	4.5	70	70	Emergency N/A	
28,500	20	20	4.5	4.5	70	70	Emergency N/A	
29,000	20	20	4.5	4.5	70	70	Emergency N/A	
29,500	20	20	4.5	4.5	70	70	Emergency N/A	
30,000	20	20	4.5	4.5	70	70	Emergency N/A	
30,500	20	20	4.5	4.5	70	70	Emergency N/A	
31,000	20	20	4.5	4.5	70	70	Emergency N/A	
31,500	20	20	4.5	4.5	70	70	Emergency N/A	
32,000	20	20	4.5	4.5	70	70	Emergency N/A	
32,500	20	20	4.5	4.5	70	70	Emergency N/A	
33,000	20	20	4.5	4.5	70	70	Emergency N/A	
33,500	20	20	4.5	4.5	70	70	Emergency N/A	
34,000	20	20	4.5	4.5	70	70	Emergency N/A	
34,500	20	20	4.5	4.5	70	70	Emergency N/A	
35,000	20	20	4.5	4.5	70	70	Emergency N/A	
35,500	20	20	4.5	4.5	70	70	Emergency N/A	
36,000	20	20	4.5	4.5	70	70	Emergency N/A	
36,500	20	20	4.5	4.5	70	70	Emergency N/A	
37,000	20	20	4.5	4.5	70	70	Emergency N/A	
37,500	20	20	4.5	4.5	70	70	Emergency N/A	
38,000	20	20	4.5	4.5	70	70	Emergency N/A	
38,500	20	20	4.5	4.5	70	70	Emergency N/A	
39,000	20	20	4.5	4.5	70	70	Emergency N/A	
39,500	20	20	4.5	4.5	70	70	Emergency N/A	
40,000	20	20	4.5	4.5	70	70	Emergency N/A	
40,500	20	20	4.5	4.5	70	70	Emergency N/A	
41,000	20	20	4.5	4.5	70	70	Emergency N/A	
41,500	20	20	4.5	4.5	70	70	Emergency N/A	
42,000	20	20	4.5	4.5	70	70	Emergency N/A	
42,500	20	20	4.5	4.5	70	70	Emergency N/A	
43,000	20	20	4.5	4.5	70	70	Emergency N/A	
43,500	20	20	4.5	4.5	70	70	Emergency N/A	
44,000	20	20	4.5	4.5	70	70	Emergency N/A	
44,500	20	20	4.5	4.5	70	70	Emergency N/A	
45,000	20	20	4.5	4.5	70	70	Emergency N/A	
45,500	20	20	4.5	4.5	70	70	Emergency N/A	
46,000	20	20	4.5	4.5	70	70	Emergency N/A	
46,500	20	20	4.5	4.5	70	70	Emergency N/A	
47,000	20	20	4.5	4.5	70	70	Emergency N/A	
47,500	20	20	4.5	4.5	70	70	Emergency N/A	
48,000	20	20	4.5	4.5	70	70	Emergency N/A	
48,500	20	20	4.5	4.5	70	70	Emergency N/A	
49,000	20	20	4.5	4.5	70	70	Emergency N/A	
49,500	20	20	4.5	4.5	70	70	Emergency N/A	
50,000	20	20	4.5	4.5	70	70	Emergency N/A	

ALTIMETER SYSTEM AND ALTITUDE REPORTING EQUIPMENT TESTS AND INSPECTION IN ACCORDANCE WITH FAR PART 43, APPENDIX E  
 AIRCRAFT MAKE: *CIRRUS* MODEL: *FLIGHT DECK* S/N: *W. MC* DATE: *4/14/15*  
 AIRCRAFT MAKE: *CIRRUS* MODEL: *SR 20* S/N: *SR 20* DATE: *4/14/15*  
 DISCREPANCIES REPORTED: *FOUND*



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

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION-STATUS & DISCREPANCY LIST
<p>O&amp;N AIRCRAFT MODIFICATIONS, INC. SEAMANS AIRPORT 210 WINDSOCK LANE FACTORYVILLE, PA                      LOG ID# 7469 16-April-2015 WO# 16677 HOBBS 881.6 Pg 1 / 1                      N624CP S/N 1947 CIRRUS DESIGN CORP. SR20</p>		

Aired up tire at pumps and towed aircraft to hangar. Removed and replaced tube. Repacked wheel bearings. Reinstalled tire. Serviced with air and taxied to line and secured. This aircraft has been inspected and approved for return to service.

*Larry G. Kriner* 4-16-2015  
 CRS: ONFR798K LARRY G. KRINER Date

**JOHNSON AIRCRAFT MAINTENANCE  
 SEPTEMBER 2, 2015  
 N624CP CIRRUS SR20 S/N 1947 HOBBS 967.1 ACTT 967.1 FLIGHT HOBBS 905.4**

Performed an annual inspection. Inspect and lubricate all flight control systems. Complied with FAR 91.207(d) ELT inspection and testing. Operation condition and security good. Battery having expiration date of March 2020. Replace Engine air induction filter with new P/N BA-24. This aircraft identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service. I certify that this aircraft has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

*Dennis E. Johnson* 9-2-2015  
 AP2105411801A Dennis E. Johnson Date

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

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION-STATUS & DISCREPANCY LIST
<p>JOHNSON AIRCRAFT MAINTENANCE                      SEPTEMBER 24, 2015                      N624CP CIRRUS SR20 S/N 1947 HOBBS</p>		
<p>Replaced primary aircraft battery with new P/N 7243-14. S/N GO2880715. Operational test satisfactory. Aircraft approved for return to service with respect to work performed.</p>		
<p><i>Dennis E. Johnson</i> 9-24-2015                      AP2105411801A Dennis E. Johnson Date</p>		


Date- May 16, 2016 AIRFRAME LOG PHILLIPSBURG AIRPORT  
 Hobbs:987.8 Aircraft TT:987.8 N624CP Make:Cirrus Model:SR20

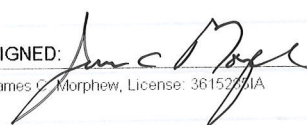
Installed new NLG tow lug. Installed new Battery #2 due date May, 2018.  
 Installed new brake linings P/N#66-105. Installed new NLG fairing support P/N#11799-004. Installed new EGT probe Cyl.#4 P/N#16579-002. Repaired broken wire on Oil Temp Gauge. Installed new heat exchanger P/N#20559-004. Installed new muffler P/N#20560-001. Installed new LH MLG tire and tube. Installed missing inner cyl baffle spring supports P/N#641347 & 641346. Installed Overhauled EMA Controller P/N#508358-421. Replacement date May-2023.  
 All work performed I/A/W Cirrus MM.

I certify that this aircraft is approved for return to service with regard to work described above.  
 Tim Masters 2802663IA *Tim Masters*

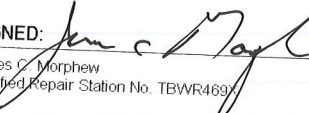



# INSPECTION RECORD F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION-STATUS & DISCREPANCY LIST SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE	
		MAKE: Cirrus MODEL: SR20 S/N: 1947 REG. NO: N624CP WORK ORDER: 0531	Dedicated Aircraft Work 698 CR 1143 Tyler, TX 75704 Phone: 972-834-2476
		DATE: 7/10/2016 A/C TSN: 963.5 FLIGHTTIME: 963.5	
<b>Airframe Entries</b> Adjusted the nose wheel fork tension.			
DATE: 7/10/2016		SIGNED: 	Work Order: 0531 Printed by EBis 3 (datcomedia.com)
		Isalah Daw, A&P: 2594100	

ENGINE MODEL:	<b>Turbine Aircraft Services LLC</b>	DATE: 7/22/2016
ENGINE S/N:		A/C TSN: 1002.7
REG. NO: N624CP	7101 Millionaire Drive, Hangar 21	ENG TT: 1002.7
WORK ORDER: 50677	Bethany, Oklahoma 73008	TSMOH:
		HOBBS: 1002.7
<b>Engine Entries</b> (1) Installed engine oil sump quick drain valve. P/N S6250		
The Engine and/or component(s) items identified above were repaired and inspected in accordance with current Federal Aviation Regulations and was found Airworthy for return to service		
DATE: 7/22/2016	SIGNED: 	Work Order: 50677 Printed by EBis 3 (datcomedia.com)
	James C. Morphew, License: 36152741A	

# 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	
		MAKE: Cirrus Design Corp MODEL: Sr20 S/N: 1947 REG. NO: N624CP WORK ORDER: 11441	Turbine Aircraft Services, LLC. Repair Station No. TBWR469X 7101 Millionaire Drive, Hangar 21 Bethany, Oklahoma 73008 Phone: 405-491-8995
		DATE: 12/9/2016 A/C TSN: 1063 HOBBS: 1063	
<b>Airframe Entries</b> (1) Installed new left wing nav light assembly. P/N 17140-001. Functional check good.			
The aircraft and/or component(s) on N624CP was repaired and/or inspected in accordance with current Federal Aviation Regulations and was found Airworthy for return to service with regard to work performed on this work order. "Pertinent details of the inspection/repair are on file at this Repair Station No. TBWR469X under Work Order No. 11441 Dated 12/9/2016			
DATE: 12/9/2016		SIGNED: 	Work Order: 11441 Printed by EBis 3 (datcomedia.com)
		James C. Morphew Certified Repair Station No. TBWR469X	
		MAKE: Cirrus MODEL: SR20 S/N: 1947 REG. NO: N624CP WORK ORDER: 0549	Dedicated Aircraft Work 698 CR 1143 Tyler, TX 75704 Phone: 972-834-2476
		DATE: 10/6/2016 A/C TSN: 1028.3 FLIGHTTIME: 1028.3	
<b>Airframe Entries</b> Complied with an annual inspection in accordance with FAR 43 Appendix D using the Cirrus AMM 5-20 and 5-30 as a guide. Researched AD's through biweekly release 2016-20. Replaced the bracket air filter element. Replaced the gascolator filter P/N 18372-001 using new o-ring P/N 1742439.... Inspected the ELT in accordance with FAR 91.207(d).... Replaced the ELT remote battery P/N 2CR11108, next replacement due 10/2021.... Repaired tear on the L/H lower portion of the nose wheel fairing. Reinstalled after exterior finish and decals.... Repaired two cracks in the lower portion of the R/H inboard main gear fairing. Touched up the paint as required.... Adjusted the aileron upper stop gaps.... Installed new no push placards.... Installed new door rescue placards.... Replaced the vertical stabilizer close out tape.... Base sealed the upper fuselage antennas.... Replaced both aileron gap seals.... Replaced the R/H fuel drain manifold P/N 12005-001.... Replaced the battery acid drain tube P/N 50209-001.... Replaced the R/H brake caliper o-rings, installed new temperature label and bled the R/H side of the brake system.... Secured the main gear fairing grommets as required.... Replaced one nose wheel bearing and race.			
I certify this aircraft has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.			
DATE: 10/6/2016		SIGNED: 	Work Order: 0549 Printed by EBis 3 (datcomedia.com)
		Isalah Daw, IA: 2594100	



## 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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MAKE: Cirrus  
MODEL: SR20  
S/N: 1947  
REG. NO: N624CP  
WORK ORDER: 0617

Dedicated Aircraft Work 898 CR 1143  
Tyler, TX 75704  
Phone: 972-834-2476

DATE: 11/7/2017  
A/C TSN: 1217  
FLIGHTTIME: 1217

### Airframe Entries

Complied with an annual inspection in accordance with FAR 43 Appendix D using the Cirrus AMM 5-20 and 5-30 as a guide. Replaced the bracket air filter element. Replaced the gascolator filter. Researched AD's through biweekly release 2017-22.... Inspected the ELT in accordance with FAR 91.207(d).... Replaced the #6 EGT probe.... Adjusted the R/H cabin door as required for proper operation .... Replaced the pilot side sunvisor mount P/N 15050-103.... Installed heat reflective tape on the lower cowling as required.... Replaced both brake disc P/N 164-01501 and all brake linings P/N 066-10500 and conditioned the brake linings.... Replaced the L/H brake caliper o-rings, bleed the L/H side of the brake system and installed new temperature labels.... Installed new cabin fire extinguisher P/N A344T S/N E-65781290.... Replaced the nose wheel tire P/N 505C66-5 S/N 71492025 using new tube P/N 092-308-0.... Replaced the cowl NACA ducting.

I certify this aircraft has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

DATE: 11/7/2017

SIGNED:

Work Order: 0617

Isaiah Daw, IA: 2594100

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## 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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FOR ALTITUDE	FLY ALTITUDE	ALTITUDE CORRECTION	ALTITUDE CORRECTION
500	515		
1,000	1015		
1,500	1520		
2,000	2020		
3,000	3020		
4,000	4030		
6,000	6020		
8,000	8030		
10,000	10035		
12,000	12045		
14,000	14030		
16,000	16040		
18,000	18020		
20,000	20020		
22,000	22020		
25,000	25010		
30,000			
35,000			
40,000			
45,000			
50,000			

Transponder P/N \_\_\_\_\_ S/N \_\_\_\_\_  
 Altimeter P/N 12731-003 S/N 467904  
 Paul Gardner (Authorized Signature) \_\_\_\_\_  
 CRS G49R038Y 214-886-5894 (Date) 1-16-19

PDG Services + 670 Ferris Rd., Ste. 104 + Lancaster, TX. 75146  
 ACFT REG. N624CP N6885 TIME 1389.0

The STW altimeter system has been inspected and found to comply with the requirements of FAR part 91.411, to an altitude of 25,000 ft. Pertinent details of the certification are on file at this repair station under the work order # A-0119, dated 1-16-19.

Altimeter P/N 12731-003 S/N 467904  
 Paul Gardner (Authorized Signature) \_\_\_\_\_  
 CRS G49R038Y 214-886-5894 (Date) 1-16-19

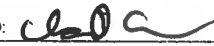
# INSPECTION RECORD

## 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
MAKE: Cirrus MODEL: SR20 S/N: 1947 REG. NO: N624CP WORK ORDER: 0666	Dedicated Aircraft Work 698 CR 1143 Tyler, TX 75704 Phone: 972-834-2476	DATE: 1/17/2019 A/C TSN: 1327.2 FLIGHTTIME: 1327.2	
<b>Airframe Entries</b>			
Complied with an annual inspection in accordance with FAR 43 Appendix D using the Cirrus AMM 5-20 and 5-30 as a guide. Researched AD's through biweekly release 2018-24. Replaced the bracket air filter element.... Inspected the ELT in accordance with FAR 91.207(d).... Complied with SB 2X-32-19 R3.... Replaced the #2 batteries P/N 50979-001, next replacement is due 01/2021.... Complied with SB 2X-95-24 R1, installed kit P/N 70572-001.... Replaced the aft tail Nav bulbs.... Installed sections of heat reflective tape to the L/H lower cowl as required.... Replaced the L/H header tensioner bolt.... Installed #1 P/N G-243 S/N G02975160 battery.... Replaced the fuel gascolator drain P/N 50242-001... Replaced the oil dipstick grommet P/N MS35489-149X.... Adjusted the muffler ball joint tension.... Replaced the L/H nose wheel pant bracket P/N 11799-004.... Shimmed the main gear grommets as required.... Reinstalled the standby altimeter P/N 5934AD-3A.258G S/N 467904 after overhaul performed by DFW Instruments on work order DR48347 dated 12/28/2018. Reinstalled the standby airspeed indicator P/N EA5175-13L-CIR S/N T51229 after repair performed by DFW instruments on work order DR48348 dated 12/28/2018.... Reinstalled the PFD P/N 700-00006-000 S/N 20032078 after repair performed by Extant Aerospace on work order 22203-15936RS dated 01/09/19. Performed magnetometer calibration.			
I certify this aircraft has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.			
DATE: 1/17/2019	SIGNED: <u>Isaiah Daw</u>	Work Order: 0666	Printed by EBis 3 (datcomedia.com)
		Isaiah Daw, IA: 2594100	



# 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	
	MAKE: Cirrus MODEL: SR20 S/N: 1947 REG. NO. N624CP WORK ORDER: 0740	Dedicated Aircraft Work 898 CR 1143 Tyler, TX 75704 Phone: 972-834-2476	DATE: 3/16/2020 AVG TSN: 1474.5 FLIGHTTIME: 1474.5
	<b>Airframe Entries</b>		
	<p>Complied with an annual inspection in accordance with FAR 43 Appendix D using the Cirrus AMM 5-20 and 5-30 as a guide. Researched AD's through biweekly release 2020-05. Replaced the fuel gascolator filter and o-ring. Replaced the bracket air filter element.... Inspected the ELT in accordance with FAR 91.207(d).... Installed new ELT main battery P/N 455-0012 S/N 383286-014, ELT battery expires 11/2026.... Replaced the L/H tail NAV bulb.... Installed sections of heat reflective and aft cowl seal tape on the R/H lower cowl as required.... Installed new aft strut seal P/N 20665-003.... Base sealed the #1 GPS and COMM antennas.... Cleaned FOD from under the pedestal area.... Performed wet lay repair to the L/H main gear fairing axel mount hole.... Adjusted the aileron cable tension.... Adjusted the elevator cable tension.... Adjusted the flap collar stop gap.... Performed wet lay repair to the upper aft portion of the R/H main gear pant. Repaired disbonded portion of the wheel pants aft bulkhead. Touched up the paint as required.... Installed new crew inflator assemblies P/N 20902-002 S/N Z7EE232C0396 and S/N Z7EE231D0091, wire harness P/N 20902-006, fittings P/N 20902-007 and brackets P/N 20903-008 using new hardware as required. Installed inflators expire 09/2029.... Replaced the R/H tailpipe exhaust clamps P/N 20553-001.... Fabricated doubler from .040 2024 T3 aluminum and installed it on the R/H side baffle.</p>		
	<p>I certify this aircraft has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.</p>		
	DATE: 3/16/2020	SIGNED: 	Work Order: 0740
		Isaiah Daw, IA: 2594100	Printed by EBis 3 (datamedia.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 DISAPPROVING AIRCRAFT FOR SERVICE	
			
		<p><b>N624CP — Cirrus SR20 S/N: 1947</b>  <b>Airframe Hours: 1598.0 Hobbs Flight hours: 1531.8</b>  <b>Airframe Log</b></p>	
		<p>Complied with the following items:</p> <ul style="list-style-type: none"> <li>R/R CAPS line cutters with new kit P/N 25347-002 with a mfg date of 3/2020 IAW SR20 CMM Ch. 95-01. Line cutters next due for replacement 3/2026.</li> </ul>	
		<p>"The above items were complied with per the "Manufactures Maintenance Procedures".  This aircraft/engine is "Approved" for Return to Service" for work performed.</p>	
		Date: 5/27/2020 Sign: 	Josh Rock for CRS-IGXR989E
			WO#SH23015



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

**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
		4-22-2020 N624CP CIRRUS SR-20 TACH:1581.0 HOBBS:1519.0
		RELACE HOBBS AIR PRESSURE SWITCH. CIRRUS PN#14128001. OPERATIONAL CHECK OK
		Mark McLaughlin <i>Mark McLaughlin</i> A&P 4336512
		1-7-2021 N624CP TACH:1624.3 HOBBS:1720.7
		Install new main battery Concorde RG24-15M
		Mark McLaughlin A&P 4336512 <i>Mark McLaughlin</i>

N624CP Serial #: 1947  
Date: 1/9/2021 Hobbs: 1720.7  
Replaced #2 batteries P/N 50979-001 IAW AMM and Part 43 Appendix A(c)(24).  
Owner: *Paul H. L.* Cert#: *401947*

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION-STATUS & DISCREPANCY LIST SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE
		<b>N624CP HOBBS: 1742.9 A/CTT: 1640.3 AIRFRAME FT: 1640.3</b>
		C/W Far91.207(d) ELT Inspection. Install new ELT battery pack P/N: 455-0012. ELT battery pack is due Nov.2026. ELT remote battery next due 10/2021. CW Cirrus SB2x-28-12R1 Electric Fuel Pump Inspection. C/W Cirrus SB2x-52-DAR2 Catcher/Diverter and Gas Strut Replacement P/N: 70544-001. Install 2 New door struts P/N: 18200-005. C/W Cirrus SB2x-32-19-R3 Nose Landing Gear Assembly Inspection and Reinforcement. Add section of door seal on copilot's Side P/N:52010-002. Install gear leg protective tape on nose gear fairing. Install New low temp indicator on right brake caliper. Install new rivet on rudder trim tab P/N: CR3213-4-2 and paint head of rivet. Jack up aircraft and grease wheel bearings. Rotate left main tire and right main tire. Torque wheel bolts to 150 in/lbs. Install new Aerospace Logic Inc. fuel gauge and sending units P/N: FL202G S/N: ASL010733. All work was performed I/A/W STC SA02825NY. Weight and balance was unchanged.
		<b>I certify that this aircraft has been inspected I/A/W an annual type inspection and was found to be in airworthy condition. AD summary checked thru 2021-06</b>
		The aircraft and/or component identified above was repaired and Inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this station under Service Order No. 63296 Dated: 04/13/21
		<i>James K. Mercant</i> FAA Approved Repair Station No. B2ER144J Boshart Enterprises and Aircraft Services, Inc. Genesee County Airport Batavia. N.Y. 14020



Boshart Enterprises Inc.  
Genesee county Airport  
Batavia, NY 14020  
Repair Station Number B2ER144J

Tested in Compliance with \_\_\_\_\_  
Part 43 Appendix E Paragraph (A,B)

*Primary*

Test			HYSTERESIS/TEST TOLERANCES		
Altitude in Feet	Reading	Tolerance +/- (feet)		Reading	Tolerance (feet)
-1000	-10	20	Case leak Test	-15	100
0	-5	20			
500	0	20	Hysteresis Test	0	75
1000	-5	20			
1500	0	25	Hysteresis Test	0	75
2000	-5	30			
3000	-5	30	After Effect	0	30
4000	-10	35			
6000	-15	40	Kollsman Window Calibration		
8000	-15	60	Pressure Setting in in./Hg.	Reading	Altitude Difference (feet)
10000	-20	80	28.10	-1730	-1727
12000	-26	90	28.50	-1340	-1340
14000	-30	100	29.00	-860	-863
16000	-36	110	29.50	-400	-392
18000	-40	120	29.92	-0 (ref)	0
20000	-40	130	30.50	+535	531
22000	-40	140	30.90	+890	893
25000	-40	155	30.99	+475	974
30000		180			
35000		205			
40000		230			
45000		255			
50000		280			

W/O No. *A59735* Date *4/13/2021*

boshe11

**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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Date: 9 Nov 2021 Flight Time: *1726.7 (TAK)* HOBBS: *N624CP*  
Fabricated & installed 2-wire battery charger connection harness using MIL-W-22759/16 wire with 10A inline circuit protection fuse. Attached to battery and airframe ground with ring terminals. Terminated opposite end with Anderson SB50 plug mounted at GPU door.  
All work IAW AC43.13/1B. Verified continuity, polarity, tested with charger and for proper aircraft electrical system operation. No defects noted at this time.

Mark S. McLaughlin A&P 4336512 Sig: *Mark S. McLaughlin*

2/26/2022 N624CP SR-20 HOBBS: 1892.7 FT: 1754.9

Replace Left and Right main tires and tubes with Goodyear Flight Custom 3 15x6.0-6

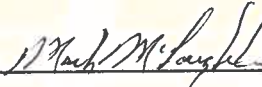
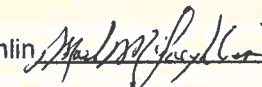
Mark McLaughlin *Mark S. McLaughlin* A&P 4336512







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

DATE	AIRCRAFT TIME IN SERVICE
9/13/2022	N624CP SR20 SN# 1947 FT: 1813.1 HOBBS: 1969.4
	Install Whelen BoomBeam HID X4 85W Landing Light PN# LSM-500-082-19 IAW Whelen Installation Instructions STC# SA02279AT Operational Check Satisfactory
	Mark McLaughlin  A&P 4336512
12/2/2022	N624CP SR20 SN#1947 FT: 1846.4 HOBBS: 2012.8
	Relace Heater Control Cable Cirrus PN# 20745-002 Operational Check Satisfactory.
	Mark McLaughlin  A&P 4336512

ST  
AIRCRAFT FOR SERVICE

**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

LANCASTER AVIONICS, INC. 500-U AIRPORT ROAD LITITZ, PA 17543 CRS# LN7R261N  
LOG ID# 7152 27-January-2023 WO# 27072  
N624CP S/N 1947 CIRRUS DESIGN CORP. SR20

Pg 1 / 1

- Installed Avidyne DFC90 Autopilot Computer s/n M220517621 as a 'slide-in' replacement unit for the STEC 55X Autopilot Computer IAW Avidyne STC# SA0029680. All work was accomplished IAW AC 43.13-1B/-2A Chapter 2 and Avidyne DFC90 Installation Manual p/n 600-00251-000 Rev 02. Installation included removal of PFD S/N 20032078, sending unit to Extant for Mod 55 upgrade and reinstallation of unit IAW Avidyne Service Bulletin #601-00006-105 Rev 0 and compliance with published pre-installation parameters on retained autopilot components and aircraft rigging per Avidyne Installation Manual p/n 600-00251-000 Rev 02. Inserted Avidyne provided DFC90 Flight Manual Supplement p/n 600-00249-000 in the Supplement Section of the Aircraft Flight Manual. Inserted Avidyne provided DFC90 Instructions for Continued Airworthiness p/n AVDFC-030 in the Service & Handling Section of the Aircraft Flight Manual. All of the above installed equipment was functionally tested and was found to perform its intended function with no adverse effects on other aircraft systems. Weight and Balance change negligible. Equipment list revised.  
- UPDATED AVIDYNE MFD S/N 20036088 SOFTWARE TO VERION 8.1.1 IAW SB# 601-00004-087. OPS CHECKED GOOD.  
- STEC PITCH SERVO P/N 0108-17-P4 S/N 0809-18507BCDFHJK FOUND TO HAVE HIGH STARTING VOLTAGES. REMOVED, REPAIRED, AND REINSTALLED PITCH SERVO. OPS CHECKED GOOD.

  
Todd Adams

3/13/2023 N624CP SR20 SN#1947 FT: 1861.9  
Hobbs: 2034.6

Replace Alt# 1 Circuit Breaker. Klixon PN# 7277-2-5

Mark McLaughlin  A&P 4336512







