

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





**SHERWIN-WILLIAMS.**  
Aerospace Coatings

Base Coat Colors:

*Snow White*  
*CMO 850102*

Use compatible primer and clear per  
AMM and SW product data sheets

**North America 1.888.888.5593**

**International 316.733.7576**

**[www.swaerospace.com](http://www.swaerospace.com)**

**415 E. Commerce Street**

**Andover, KS (USA) 67002**

# Aircraft Log

## TABLE OF CONTENTS

TC #A00009CH

SECTION SEQUENCE	DESCRIPTION OF SECTION	PAGE NUMBER
1st SECTION	AIRCRAFT DESCRIPTION	i
2nd SECTION	INSTALLED EQUIPMENT	1
3rd SECTION	MAJOR ALTERATIONS	3
4th SECTION	LIFE LIMITED PARTS OR OVERHAUL REQUIREMENTS	5
5th SECTION	AIRWORTHINESS DIRECTIVE OR FACTORY BULLETIN COMPLIANCE RECORD	9
6th SECTION	ALTIMETER & STATIC SYSTEM CHECKS (F.A.R. 91.411)	17
7th SECTION	RADIO AND ELECTRONIC CHECKS	19
8th SECTION	MAINTENANCE RECORD (F.A.R. 43.9)	29
9th SECTION	INSPECTION RECORD (F.A.R. 43.11-91.409)	43

Aero Products Corporation

Copyright 1975 All Rights Reserved



# AIRCRAFT DESCRIPTION

MANUFACTURER Cirrus Design Corp. MODEL SR20 DATE OF MFG. Dec 2016

SERIAL NUMBER 2467 REGISTRATION NUMBER N878GR

REGISTERED OWNER GARY P. COURTLAND & RUBY C. COURTLAND

STREET ADDRESS ~~636 NORTH LEGACY TRAIL~~ 317 VALE DR.

CITY, STATE, ZIP ST. AUGUSTINE, FL ~~32092~~ 32095

OPERATOR SAME

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	Lycoming Engines	IO-390-C3B6	R L-792-80E L
ENGINE			R L
PROPELLER	Hartzell Propeller, Inc.	3C1-R919A1	SR7
PROPELLER			
ENGINE			
ENGINE			
PROPELLER			
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.
--------------	-------------	---------------	-------------------------	-------------------------	----------------------	--------------------	------------------

Life Limited Parts SR20			
PART NAME	PART NUMBER		EXPIRES
CAPS Rocket Motor	29500-003	S/N <u>3527</u>	<u>11/2028</u>
CAPS Parachute	25337-005	S/N <u>000998</u>	<u>11-2028</u>
CAPS Reefing Line Cutters	26707-001	S/N: <u>14123</u> S/N: <u>13898</u>	<u>08-2024</u>
ELT Battery Pack	452-6504-1		<u>02-2025</u>
EMA Controller, AAIR	20902-001	S/N: <u>A10 OCT 18-71</u>	<u>10/2025</u>
CO Detector	24660-002	S/N <u>99724</u>	<u>10/2025</u>
Pilot Seat Inflator Assembly	20902-005	<u>27181023150</u> S/N	<u>09/2028</u>
Co-Pilot Seat Inflator Assembly	20902-005	<u>27181023046</u> S/N	<u>09/2028</u>



# AIRWORTHINESS DIRECTIVE/FACTORY BULLETIN COMPLIANCE RECORD

ITEM AFFECTED      DATE & HRS. AT COMP.      METHOD OF COMPLIANCE      TYPE OF A.D. 1 TIME/RECUR.      NEXT COMP. DATE/HRS./CYCLE      AUTHORIZED SIGNATURE CERTIFICATE NO.

10 DEC 2016  
1.5 HRS

Searched AD's through bi-weekly issue 2014-24. All AD's are in compliance at this time.

*Wood Stambas* (MFG 827)

10 DEC 2016  
1.5 HRS

All mandatory Service Bulletins that apply to Cirrus Design Corporation Model SR 20 S/N 2467 have been verified to be incorporated and/or not applicable at this time.

(MFG 827)

CDC \_\_\_\_\_ on 10 DEC 2014.  
Cirrus Design Corporation Duluth, MN USA  
**PC# 338CE**

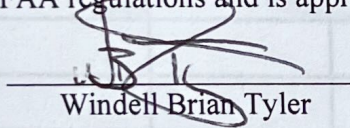






# ALTIMETER & STATIC SYSTEM CHECKS

## F.A.R. 91.411

DATE	MANUFACTURER	MODEL	SERIAL NO.	LOCATION	MAX. ALT.	RECHECK REQUIRED	APPROVED BY: AGENCY CERT. NO.
<p><b>SOUTHEAST AERO SERVICES, INC.</b>  <b>385 Hawkeye View Lane</b>  <b>St. Augustine, Florida 32095</b>  <b>FAA Cert. Repair Station UV4R584M</b></p>							
	Cirrus	SR-20	N878GR	S#2467	14JAN2021	TT:105.5    WO#16295	
The altimeter(s) and static pressure system tests required FAR 91.411 have been performed and found to comply with FAR part 43 appendix E. The altimeter(s) and altitude encoders have been tested to 20,000'.					The ATC transponder tests and inspections required by FAR 91.413 have been performed and found to comply with FAR part 43 appendix F.		
	#1 Alt / Enc	p/n: GSU-75	s/n:3KY002656	Transponder model: GTX345R			
	#2 Alt / Enc	p/n: GSU-75	s/n:3KY002673	S#3EH0022321			
	#3 Altimeter	p/n: 5934AD-3	s/n:514384				
<p>I certify that the aircraft or appliance identified above was repaired and inspected in accordance with current FAA regulations and is approved for return to service.</p>							
							
<p>Windell Brian Tyler</p>							







# RADIO & ELECTRONIC CHECKS

DATE  
TOTAL  
TIME

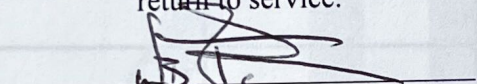
**SOUTHEAST AERO SERVICES, INC.**  
385 Hawkeye View Lane  
St. Augustine, Florida 32095  
FAA Cert. Repair Station UV4R584M

CHECKED BY:  
SIGNATURE — CERT. NO.

DATE

Cirrus SR22 S#2467 N878GR 21JAN2022 TT:146.7 WO#16468  
Complied with Cirrus Service Bulletin SB2X-42-22R3, Perspective +  
Software update to version 2647.N8. Enabled all applicable options.  
Unlocked TAWS, Synthetic Vision, Surface Watch, Enhanced AFCS, and  
Chartview. Loaded Checklists, Crew Profile, and Start up screen.

I certify that the aircraft or appliance identified above was repaired and  
inspected in accordance with current FAA regulations and is approved for  
return to service.

  
Windell Brian Tyler







# 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
--------------------	--------------------------	---	---

### Southeast Aero Services Inc.

St Augustine, FL.

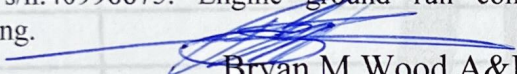
Phone (904) 824-1899/Fax (904) 824-6334

Cirrus SR-20

s/n:2467

N878GR

1-28-19 Hobbs:21.8hrs Flt Hr:15.6hrs Removed cowling. Charged/installed new battery 1 p/n:RG24-11M, s/n:40998875. Engine ground run completed, systems function checked normal. Reinstalled cowling.

  
Bryan M Wood A&P3216290

### Southeast Aero Services Inc.

St Augustine, FL.

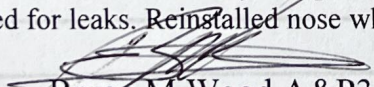
Phone (904) 824-1899/Fax (904) 824-6334

Cirrus SR-20

s/n:2467

N878GR

4-26-19 Hobbs:36.4rs Flt Hr:25.5hrs Jacked aircraft, removed nose wheel fairing. Inspected nose wheel/tire. Removed and reinstalled valve stem body using new packing per Beringer maintenance manual, serviced tire to spec. and checked for leaks. Reinstalled nose wheel fairing, removed aircraft from jacks.

  
Bryan M Wood A&P3216290



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

Southeast Aero Services Inc.

St Augustine, FL.

Phone (904) 824-1899/Fax (904) 824-6334

Cirrus SR-20

S/N: 2467

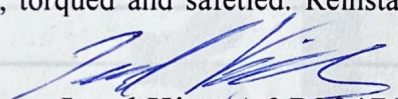
N878GR

02FEBUARY2020

Hobbs: 77.4hrs

Flt Hr: 56.4hrs

Jacked aircraft, removed nose wheel fairing. Removed and disassembled nose wheel assembly. Installed new nose tire, P/N: 505T08-1, reassembled and torqued nose wheel assembly using new packing per Beringer maintenance manual. Serviced tire to 35psi per Cirrus spec. and checked for leaks, no leaks noted. Reinstalled nose wheel assembly, torqued and safetied. Reinstalled nose wheel fairing, removed aircraft from jacks.

  
Jared King A&P3847173

Southeast Aero Services Inc.

St Augustine, FL.

Phone (904) 824-1899/Fax (904) 824-6334

Cirrus SR-20

S/N: 2467

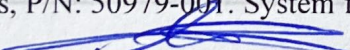
N878GR

28 APRIL 2021

Hobbs: 119.2hrs

Flt Hr: 89.6hrs

Installed 2 new #2 batteries, P/N: 50979-001. System functional test normal.

  
Liam P. Mullane A&P2807974



# MAINTENANCE RECORD F.A.R. 43.9

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

## Southeast Aero Services Inc.

St Augustine, FL.

Phone (904) 824-1899 Fax (904) 824-6334

S/N: 2467

N878GR

Cirrus SR20

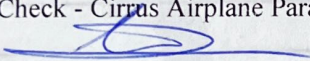
17 January 2022

Hobbs: 146.3 hrs.

Airframe Total Time: 108.5 hrs.

Flight Hr: 108.5 hrs.

Removed CAPS rocket motor assembly and rocket igniter assembly, P/N: TRM-350-018, Lot/DOM: 180514. Installed new CAPS rocket igniter assembly, P/N: 29556-001, Lot/DOM: 210712-VS-IGN-CERT-MOD 1. Reinstalled CAPS rocket motor assembly per applicable paragraphs of Chapter 3 CAPS Component Maintenance Manual. Performed system checks IAW Cirrus SR22 maintenance manual Chap. 95-00, section 3.A.(1) "Inspection/Check - Cirrus Airplane Parachute System" with no discrepancies.

  
Liam Mullane A&P2807974

## Southeast Aero Services Inc.

St Augustine, FL.

Phone (904) 824-1899/Fax (904) 824-6334

S/N: 2467

N878GR

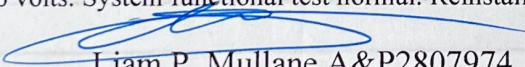
Cirrus SR-20

05 MAY 2022

Hobbs: 160.2 hrs.

Flt Hr: 118.4 hrs.

Removed top cowling and #1 (main) battery and installed new #1 (main) battery, P/N: RG24-11M, S/N: 41212779, OCV: 26.6 volts. System functional test normal. Reinstalled top cowling.

  
Liam P. Mullane A&P2807974



# 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

## Southeast Aero Services Inc.

St Augustine, FL.

Phone (904) 824-1899/Fax (904) 824-6334

Cirrus SR-20

S/N: 2467

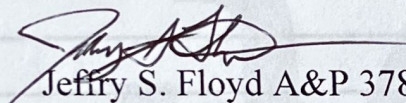
N878GR

18 Sep 23

Hobbs: 214.6 hrs.

Flt hrs: 156.2 hrs.

Removed and Replaced Master Control Unit (MCU140) in accordance with Cirrus Maintenance Manual (chp.24-30). Removed S/N #4924, Replacement S/N #07994. Performed ground run and Operational Inspection check of new MCU. MCU checked good at this time. Also Complied with SB2X-25-30 and SB2X-42-23. Measured breakover bolt and found bolt to be within allowed tolerance. And installed Perspective+ software update V2647.N9. Software update checks good IAW SB2X-42-23.

  
Jeffrey S. Floyd A&P 3782737



# Southeast Aero Services Inc.

St Augustine, FL.

Phone (904) 824-1899/Fax (904) 824-6334

S/N: 2467

Hobbs: 214.6 hrs.

N878GR

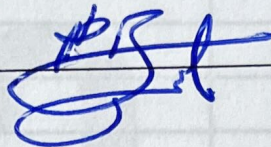
Flt hrs: 156.2 hrs.

Cirrus SR-20

26 Sep 23

Complied with SA23-06R2 a.k.a. AmSafe Service Letter SL7041 noting proper installation of anti-rattle plugs in seat belt buckles. Complied with SA23-09 Battery 2 Capacity Condition; battery currently installed is the correct alternative Cirrus part number (50979-001).

Charles T. Bryant A&P



# Southeast Aero Services Inc.

St Augustine, FL.

Phone (904) 824-1899/Fax (904) 824-6334

S/N: 2467

Hobbs: 216.1 hrs.

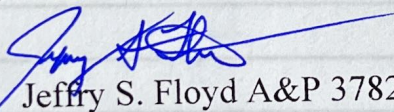
N878GR

Flt hrs: 156.7 hrs.

Cirrus SR-20

30 OCT 23

Removed and Replaced P216 fuse in the MCU as per Cirrus Warranty. Rang out associated wiring and found no faulty or shorted wiring. Cleaned connectors. Removed and Replaced Garmin Engine Airframe Unit (GEA71B) per Cirrus Maintenance Manual (chp.77-40). Removed S/N #497001782, Replacement S/N #497002529. Performed LRU Reloading Software procedures per the Garmin Cirrus Perspective+ Line Maintenance Manual. Performed ground run and Operational Inspection check of new GEA 71B. ALT#2 Fault and GEA 71B checked good at this time.

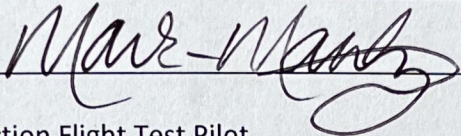
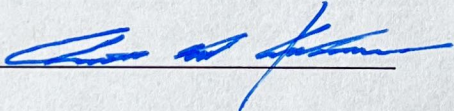


Jeffrey S. Floyd A&P 3782737



# 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
7 Dec 18	1.4	<p>Production Flight Test accomplished in accordance with Cirrus Procedure #90500</p> <p>Name: Mark Matthys      Date <u>7 Dec 2018</u></p> <p>Signature: <u></u></p> <p>Title: Production Flight Test Pilot</p>
10/DEC/2018	1.5	<p>I find that the aircraft meets the requirements for the certification requested and have issued an U.S. Standard Airworthiness Certificate dated <u>10 / DEC / 2018</u>.</p> <p>The next inspection is due <u>31 / DEC / 2019</u></p> <p><u></u></p> <p>Aaron S. Knudsen 293766879</p>



INSPECTION RECORD  
F.A.R. 43.11-91.409

Southeast Aero Services Inc.

St Augustine, FL.

Phone (904) 824-1899/Fax (904) 824-6334

Cirrus SR-20

S/N: 2467

14 February 2019

Hobbs: 28.0hrs

Removed cowling. Completed the initial 25hr inspection using Cirrus Maintenance Manual chapter 5-20, and Lycoming Maintenance manual as a guide. Removed, serviced, reinstalled and torqued gascolator with new seals. Verified no fuel system leaks. Aircraft systems function checked normal. Reinstalled cowling.

N878GR  
Flt Hr: 19.9hrs

  
Liam P. Mullane A&P2807974

Southeast Aero Services Inc.

St Augustine, FL.

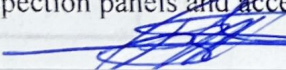
Phone (904) 824-1899 Fax (904) 824-6334

Cirrus SR-20

s/n:2467

N858GR

12-10-19 Hobbs:74.1hrs. Flight Hr:55.0hrs. Airframe Total Time:55.0hrs. Completed an Annual inspection in accordance with 14CFR 43 Appendix D with references to Chapters 4&5 Cirrus SR20 maintenance manual this date. Opened access provisions and inspection panels. Completed general servicing as required and lubricated airframe components per lubrication schedule. Inspected and cleaned fuel system screens and filters. Fuel system and components checked for proper operation with no leaks noted. AD's checked thru FAA Bi-Weekly 2019-24. No AD's due at this time. ELT system inspected in accordance with 14CFR 91-207(d) with satisfactory results, battery exp:2-28-25. Installed new up proximity switch on flap actuator, rigged flap system. Removed, disassembled, clean/insp. nose wheel and tire assembly. Tire/wheel reassembled using new packing, reinstalled and serviced to spec. Torque engine mount weldment lower attach fitting hardware. Installed new foam seals, perimeter left/right cabin doors. Closed inspection panels and access provisions. Systems operational checked normal.

  
Bryan M Wood A&P3216290IA



INSPECTION RECORD  
F.A.R. 43.11-91.409

# Southeast Aero Services Inc.

St Augustine, FL.

Phone (904) 824-1899 Fax (904) 824-6334

Cirrus SR-20

s/n:2467

N878GR

01-05-21 Hobbs:105.2hrs. Flight Hr:76.9hrs. Airframe Total Time:76.9hrs. Completed an Annual inspection in accordance with 14CFR 43 Appendix D with references to Chapters 4&5 Cirrus SR20 maintenance manual this date. Opened access provisions and inspection panels. Completed general servicing as required and lubricated airframe components per lubrication schedule. Inspected and cleaned fuel system screens and filters. Fuel system and components checked for proper operation with no leaks noted. AD's checked thru FAA Bi-Weekly 2020-26. No AD's due at this time. ELT system inspected in accordance with 14CFR 91-207(d) with satisfactory results, battery exp:2-28-25. Removed seals perimeter Lt/Rt cabin doors and installed new seals p/n 52010-010. Replaced left graphic/Aeroshields on the NLG wheel fairing. Bond/secured Lt belly heat shield. Installed new center console bolster panel. Charged/reinstalled battery 2 units (replacement cells backorder). Closed inspection panels and access provisions. Systems operational checked normal.

I certify this Airframe has been inspected in accordance with an Annual inspection and determined to be in Airworthy condition at this time.

Esad Mujic A&P3034119IA





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

**Southeast Aero Services Inc.**

St Augustine, FL.

Phone (904) 824-1899 Fax (904) 824-6334

Cirrus SR-20

S/N: 2467

N878GR

21 January 2022

Airframe Total Time: 108.5 hrs.

Hobbs: 146.3 hrs.

Flight Hr: 108.5 hrs.

Completed an Annual inspection in accordance with 14CFR 43 Appendix D with references to Chapters 4&5 Cirrus SR20 maintenance manual this date. Opened access provisions and inspection panels. Completed general servicing as required and lubricated airframe components per lubrication schedule. Inspected and cleaned fuel system screen. Fuel system and components checked for proper operation with no leaks noted. AD's checked thru FAA Bi-Weekly 2022-2. No AD's due at this time. ELT system inspected in accordance with 14CFR 91-207(d) with satisfactory results, battery exp:2-25. Complied with SB2X-53-08 "Cabin Door Attachment Fitting Inspection", no further action required. LH/RH tires flipped for even wear, replaced packings. LH tire/outboard bearing replaced. Removed Nose Fork assembly, cleaned, re-assembled, set fork tension and saftied. Closed inspection panels and access provisions. Systems operational checked normal.

I certify this Airframe has been inspected in accordance with an Annual inspection and determined to be in Airworthy condition at this time.

William T. Rhodes A&P3078721IA



INSPECTION RECORD  
F.A.R. 43.11-91.409

Southeast Aero Services Inc.

St Augustine, FL.

Phone (904) 824-1899 Fax (904) 824-6334

S/N: 2467

N878GR

Cirrus SR-20

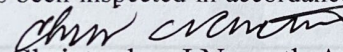
8 February 2023

Hobbs: 185.4 hrs.

Airframe Total Time: 136.4 hrs.

Flight Hr: 136.4 hrs.

Completed an annual inspection in accordance with 14CFR 43 Appendix D with references to Chapters 4&5 Cirrus SR20 maintenance manual this date. Opened access provisions and inspection panels. Completed general servicing as required and lubricated airframe components per lubrication schedule. Inspected and cleaned fuel system screen. Fuel system and components checked for proper operation with no leaks noted. AD's checked thru FAA Bi-Weekly 2023-03. No AD's due at this time. ELT system inspected in accordance with 14CFR 91-207(d) with satisfactory results, battery exp:2-25. Replaced brake pads on LT&RT MLG brake assemblies with new pads. Cleaned and dressed corrosion on prop leading edges. Removed and replaced battery #2 with new. Reseated MFD card one and error for that card slot is now cleared. Deleted erroneous user waypoints as squawked. Replaced damaged Static port fitting on RT side of aircraft fuselage inside. Closed inspection panels and access provisions. Systems operational checked normal. I certify this Airframe has been inspected in accordance with an annual inspection and determined to be in Airworthy condition at this time.

  
Christopher J Nameth A&P3805901IA



# 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

DATE

AIRCRAFT TIME  
IN SERVICE

DATE

# Southeast Aero Services

St Augustine, FL.

Phone (904) 824-1899/Fax (904) 824-6334

S/N: 2467

N878GR

Cirrus SR-20

02/28/2023

Hobbs: 186.7

Engine Total Time: 136.4

Flight Hrs: 136.4

R+R LH and RH Beringer Brake Back Stops PN: 31392-109, and Pins PN:31392-110 (Beringer PN: L-V-011)

ICW SA19-16 (Beringer SB-015). All work performed IAW Beringer SB-015 and Cirrus SR20 AMM.

R+R Nose Landing Gear Strut PN: 0346 800, Serviced to spec, All work done IAW with Cirrus SR20 AMM.

Verified and inspected proper installation and operational check. *RL*

Janier Rivera-Leon A&P Pending (14 CFR 65.13)



INSPECTION RECORD

# Southeast Aero Services Inc.

St Augustine, FL.

Phone (904) 824-1899 Fax (904) 824-6334

S/N: 2467

N878GR

Airframe Total Time: 151.5 hrs.

Flight Hr: 151.5 hrs.

Cirrus SR-20

07/20/2023

Hobbs: 207.7 hrs.

Removed cowling. Installed new foam seal at aft edge of top cowl. Jacked aircraft, removed nosewheel fairing, adjusted nosewheel pivot tension between 20-25 lbs and cotted. Installed nosewheel fairing and removed from jacks. Removed MCU cover. Installed new 2 amp fuse for alt 2 ammeter and reinstalled MCU cover. Removed existing air intake plenum. Fit up new composite intake air plenum to fwd baffle. Used new aluminum backing plate as drill guide and transferred holes into fwd baffle. Cleaned away drilling debris and installed new composite air plenum. Performed ground run with no abnormalities noted. Installed cowlings.

*Robert Weber*  
 Robert Weber A&P 3824115 IA

48

DATE