

THE **adlog**TM AIRCRAFT
MAINTENANCE
RECORDKEEPING
SYSTEM

**AIRFRAME
MAINTENANCE
RECORDS**



AIRFRAME MAINTENANCE RECORDS

Log No. 3

Aircraft Registration No. N583PU

Aircraft Mfg. Citrus Design Model SR20 S Serial No. 2043

Engine Mfg. TCM Model IO-360-ES Serial No. (see eng log)

Engine Mfg. _____ Model _____ Serial No. _____

Propeller Mfg. Hartzell Model BWC-12YE-1BF/71A4 Serial No. (see prop log)

Hub Design No. _____ Hub Serial No. _____

Blade Design No. _____ Blade Serial No's. _____

Propeller Mfg. _____ Model _____ Serial No. _____

Hub Design No. _____ Hub Serial No. _____

Blade Design No. _____ Blade Serial No's. _____

(All applicable information must be filled in)

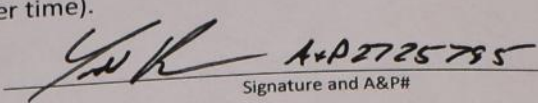
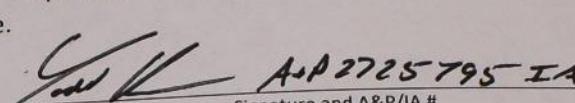
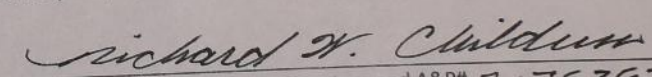
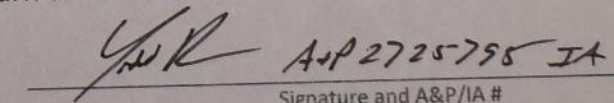



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Page No. _____

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTAL brought forward from previous page			
10-11-19	4716	4716	N583PU S/N: 2043 October 11, 2019 Maintenance HMTR: 4716 TTA: 4716 1) Complied with Purdue University N583PU Progressive Inspection Program 50-Hour Inspection IAW Purdue University N583PU Progressive Inspection Program Procedures Manual. Next inspection due at 4766 hours (maintenance hourmeter time).  Signature and A&P# I certify that in accordance with the Purdue University N583PU Progressive Inspection Program a 50-Hour Inspection was performed and this airframe is approved for return to service.  Signature and A&P/IA #
10/28/19	4765	4765	N583PU S/N: 2043 October 28, 2019 Maintenance HMTR: 4765 TTA: 4765 1) Complied with Purdue University N583PU Progressive Inspection Program Event 1 Inspection IAW Purdue University N583PU Progressive Inspection Program Procedures Manual. Next inspection due at 4815 hours (maintenance hourmeter time). 2) Replaced LH main wheel & tire assy., P/N 13399-101; S/N tire on: 40720383. 3) Replaced RH main wheel & tire assy., P/N 13399-101; S/N tire on: 10632312. 4) Replaced LH brake pads, 4 ea. P/N 066-10500. 5) Replaced lower case Tanis pad, P/N 23623-107.  Signature and A&P# 2136763 I certify that in accordance with the Purdue University N583PU Progressive Inspection Program a Routine Inspection of the Engine Group, Propeller Group, Cabin and Radio Group, and Landing Gear Group, and a Detailed Inspection of the Wing Group, and Fuselage and Empennage Group were performed and this airframe is approved for return to service.  Signature and A&P/IA #
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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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11-18-19	4814	4814	 VISION AIR CENTER 103 Sinclair Drive • Muskegon, MI DATE: 11/6/19 HOBBS: _____ TAIL #: N583PU TYPE: _____ FLT HOBBS: 4767.0 1. Complied with CAPS 10-year replacement parachute assembly part number 103 Sinclair Drive • Muskegon, MI Removed parachute assembly part number 103 Sinclair Drive • Muskegon, MI rocket motor assembly part number 103 Sinclair Drive • Muskegon, MI parachute assembly part number 103 Sinclair Drive • Muskegon, MI 2019. Installed new rocket motor assembly part number 103 Sinclair Drive • Muskegon, MI manufacture date 9-3-2019. U 2. Complied with SB2X-95-24F Complied with the above list Cirrus Airframe Parachute
11-18-19	4814	4814	N583PU Maintenance HMTR: 4814 1) Complied with Purdue University N583PU Progressive Inspection Program 50-Hour Inspection IAW Purdue University N583PU Progressive Inspection Program Procedures Manual. Next inspection due at 4864 hours (maintenance hourmeter time). I certify that in accordance with the Purdue University N583PU Progressive Inspection Program a 50-Hour Inspection was performed and this airframe is approved for return to service.
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SPU

aintenance HMTR: 4716

Complied with Purdue University N583PU Progressive Inspection Program

50-Hour Inspection IAW Purdue University N583PU Progressive Inspection Program Procedures Manual. Next inspection due at 4766 hours (maintenance hourmeter time).

S/N: 2043

October 11, 2019

TTA: 4716

Signature and A&P#

AAP2725795


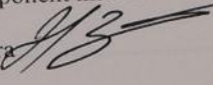
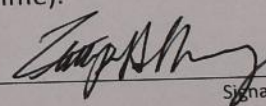
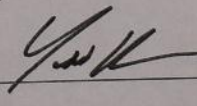
Signature and A&P/IA #

AAP2725795-IA

S/N: 2043

HMTR: 4765

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DATE			TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTAL brought forward from previous page					<div style="text-align: center;">  <p>VISION AIR CENTER 103 Sinclair Drive • Muskegon, MI 49441</p> </div> <div> <p>DATE: 11/6/19 TAIL #: N583PU FLT HOBBS: 4767.0</p> <p>HOBBS: 6317.9 TYPE: SR20</p> <p>AC/TT: 4767.0 S/N: 2043</p> </div> <ol style="list-style-type: none"> Complied with CAPS 10-year replacement requirement incorporating SB2X-95-19R2. Removed parachute assembly part number 20331-001/D serial number 4095. Removed rocket motor assembly part number 21814-001 serial number 4878. Installed rebuilt parachute assembly part number 25574-004-REB serial number 03908R1 pack date 08-27-2019. Installed new rocket motor assembly part number 29554-001 serial number 3705 manufacture date 9-3-2019. Updated weight and balance. Complied with SB2X-95-24R2 CAPS rocket shelf ground wire installation. <p>Complied with the above listed items reference SR20 Maintenance Manual and SR20 Cirrus Airframe Parachute System component maintenance manual revision E3</p> <p>Joshua Zeinstra  AP 3626354</p>
11-18-19	4814	4814	N583PU Maintenance HMTR: 4814	<p>S/N: 2043 November 18, 2019 TTA: 4814</p> <ol style="list-style-type: none"> Complied with Purdue University N583PU Progressive Inspection Program 50-Hour Inspection IAW Purdue University N583PU Progressive Inspection Program Procedures Manual. Next inspection due at 4864 hours (maintenance hourmeter time). <p> AP 2638538 Signature and A&P#</p> <p>I certify that in accordance with the Purdue University N583PU Progressive Inspection Program a 50-Hour Inspection was performed and this airframe is approved for return to service.</p> <p> AP 2725798 IA Signature and A&P/IA #</p>	
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Page No.			SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK	
DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED	
TOTAL brought forward from previous page			January 3, 2020 TTA: 4864	
1-3-20	4864	4864	N583PU Maintenance HMTR: 4864 S/N: 2043 1) Complied with Purdue University N583PU Progressive Inspection Program Event 2 Inspection IAW Purdue University N583PU Progressive Inspection Program Procedures Manual. Next inspection due at 4914 hours (maintenance hourmeter time). 2) Complied with 500-hour torque verification of engine mount weldment and lower mount attach fitting attachment bolts. 3) Complied with 1000-hour LH muffler replacement (p/n: A20560-001, s/n on: 73836). 4) Complied with 1000-hour RH heat exchanger replacement (p/n: A20559-004, s/n on: 65552). 5) Complied with 1000-hour/10-year electrical bonding & shielding check. 6) Complied with 2-year/500-hour battery #2 replacement (2 each p/n: 50979-001). 7) Replaced center console lanyard p/n: 15062-001. 8) Replaced nose landing gear strut assembly p/n: 18101-004, s/n on: 22-1996, bushings p/n: 13705-003 (2 each), thrust washer p/n: 50545-001 (1 each), flange bearing p/n: 50543-001 (1 each), and bearing p/n: 50544-001 (1 each). 9) Replaced RH tailpipe clamp p/n: 20553-001. Signature and A&P# <u>AP3778016</u>	
I certify that in accordance with the Purdue University N583PU Progressive Inspection Program a Routine Inspection of the Cabin and Radio Group, Fuselage and Empennage Group, Wing Group, and Landing Gear Group, and a Detailed Inspection of the Engine Group and Propeller Group were performed and this airframe is approved for return to service.			Signature and A&P/IA # <u>AP27556501A</u>	
2-14-20	4914	4914	N583PU Maintenance HMTR: 4914 S/N: 2043 February 14, 2020 TTA: 4914 1) Complied with Purdue University N583PU Progressive Inspection Program 50-Hour Inspection IAW Purdue University N583PU Progressive Inspection Program Procedures Manual. Next inspection due at 4964 hours (maintenance hourmeter time). Signature and A&P# <u>AP3064381</u>	
I certify that in accordance with the Purdue University N583PU Progressive Inspection Program a 50-Hour Inspection was performed and this airframe is approved for return to service.			Signature and A&P/IA # <u>AP3064381A</u>	
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Page No.			SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK	
DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED	
TOTAL brought forward from previous page			January 3, 2020 TTA: 4864	
2/20/20	4926	4926	Removed and replaced both Right level potentiometer p/n: 18497-1 fuel level potentiometer p/n: 18497-1 pass. <u>Brady Jones AP4</u>	
3-3-20	4963	4963	N583PU Maintenance HMTR: 4963 S/N: 2043 1) Complied with Purdue University N583PU Progressive Inspection Program Event 3 Inspection IAW Purdue University N583PU Progressive Inspection Program Procedures Manual. Next inspection due at 5006 hours (maintenance hourmeter time). 2) Replaced LH main wheel/tire assembly 3124S00032. 3) Replaced alternator #2 p/n: 6533-001 (see component record for details). Signature and A&P# <u>AP3778016</u>	
I certify that in accordance with the Purdue University N583PU Progressive Inspection Program a Routine Inspection of the Cabin and Radio Group, Fuselage and Empennage Group, Wing Group, and Landing Gear Group, and a Detailed Inspection of the Engine Group and Propeller Group were performed and this airframe is approved for return to service.			Signature and A&P/IA # <u>AP27556501A</u>	
3/24/20	5006	5006	N583PU Maintenance HMTR: 5006 S/N: 2043 February 14, 2020 TTA: 4914 1) Complied with Purdue University N583PU Progressive Inspection Program 50-Hour Inspection IAW Purdue University N583PU Progressive Inspection Program Procedures Manual. Next inspection due at 4964 hours (maintenance hourmeter time). 2) Replaced LH main wheel/tire assembly 3124S00032. 3) Replaced alternator #2 p/n: 6533-001 (see component record for details). 4) Replaced RH main wheel/tire assembly 3124S00032. Signature and A&P# <u>AP3064381</u>	
I certify that in accordance with the Purdue University N583PU Progressive Inspection Program a 50-Hour Inspection was performed and this airframe is approved for return to service.			Signature and A&P/IA # <u>AP3064381A</u>	
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NS83PU
Maintenance HMTR: 4864 S/N: 2043
January 3, 2020 TTA: 4864
1) Complied with Purdue University N583PU Progressive Inspection Program Event 2 Inspection IAW Purdue University N583PU Progressive Inspection Program Procedures Manual. Next inspection due at 4914 hours (maintenance hourmeter time).
2) Complied with 500-hour torque verification of engine mount weldment and lower mount attach fitting attachment bolts.
3) Complied with 1000-hour LH muffler replacement (p/n: A20560-001, s/n on: 73836).
4) Complied with 1000-hour RH heat exchanger replacement (p/n: A20559-004, s/n on: 65552).
5) Complied with 1000-hour/10-year electrical bonding & shielding check.
6) Complied with 2-year/500-hour battery #2 replacement (2 each p/n: 50979-001).
7) Replaced center console lanyard p/n: 15062-001.
8) Replaced nose landing gear strut assembly p/n: 18101-004, s/n on: 22-1996, bushings p/n: 13705-003 (2 each), thrust washer p/n: 50545-001 (1 each), flange bearing p/n: 50543-001 (1 each), and bearing p/n: 50544-001 (1 each).
9) Replaced RH tailpipe clamp p/n: 20553-001.

Signature and A&P#
AP3778016
I certify that in accordance with the Purdue University N583PU Progressive Inspection Program a Routine Inspection of the Cabin and Radio Group, Fuselage and Empennage Group, Wing Group, and Landing Gear Group, and a Detailed Inspection of the Engine Group and Propeller Group were performed and this airframe is approved for return to service.

HMTR: 4914 S/N: 2043
February 14, 2020 TTA: 4914
Complied with Purdue University N583PU Progressive Inspection Program Event 3 Inspection IAW Purdue University N583PU Progressive Inspection Program Procedures Manual. Next inspection due at 4964 hours (maintenance hourmeter time).
Signature and A&P#
AP3064381
I certify that in accordance with the Purdue University N583PU Progressive Inspection Program a 50-Hour Inspection was performed and this airframe is approved for return to service.

Signature and A&P#
AP3064381IA

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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3/20/20	4926	4926	Removed and replaced both Right hand Inboard fuel level potentiometer p/n: 18497-201 and Outboard fuel level potentiometer p/n: 18739-201. OPS check pass. Both Jovex AP4050231
3/30/20	4963	4963	<p>N583PU S/N: 2043 March 3, 2020 TTA: 4963</p> <p>Maintenance HMTR: 4963</p> <p>1) Complied with Purdue University N583PU Progressive Inspection Program Event 3 Inspection IAW Purdue University N583PU Progressive Inspection Program Procedures Manual. Next inspection due at 5013 hours (maintenance hourmeter time). 2) Replaced LH main wheel/tire assembly p/n: 13399-101 (40-75P), tire s/n on: 3124S00032. 3) Replaced alternator #2 p/n: 653344, s/n off: H-T043266, s/n on: H-S112278 (see component record for details).</p> <p>Signature and A&P# AP3778016</p> <p>I certify that in accordance with the Purdue University N583PU Progressive Inspection Program a Routine Inspection of the Engine Group, Propeller Group, Cabin and Radio Group, Fuselage and Empennage Group, and Wing Group, and a Detailed Inspection of the Landing Gear Group were performed and this airframe is approved for return to service.</p> <p>Signature and A&P/IA # AP2756501A</p>
3/24/20	5006	5006	<p>N583PU S/N: 2043 March 24, 2020 TTA: 5006</p> <p>Maintenance HMTR: 5006</p> <p>1) Complied with Purdue University N583PU Progressive Inspection Program 50-Hour Inspection IAW Purdue University N583PU Progressive Inspection Program Procedures Manual. Next inspection due at 5056 hours (maintenance hourmeter time). 2) Replaced LH MLG tire/wheel assy. p/n: 13399-101, tire s/n on: 71922031. 3) Replaced RH MLG tire/wheel assy. p/n: 13399-101, tire s/n on: 70505616. 4) Replaced RH fuel sump p/n: 25038-001.</p> <p>Signature and A&P# AP3778016</p> <p>I certify that in accordance with the Purdue University N583PU Progressive Inspection Program a 50-Hour Inspection was performed and this airframe is approved for return to service.</p> <p>Signature and A&P/IA # AP2715252IA</p>
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Page No.			DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK	
DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME		
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			03 JUN 2020 Cirrus SR20 N583PU Maint Hobbs: 5009.3 Performed preliminary inspection. Checks required by 14 CFR § 91.411 and 91.413 were performed in accordance with 14 CFR § 43 Appendix E and F. Altimeters tested to maximum altitude of 20,000 ft. Found to be airworthy as per work performed. WO#21011 Lafayette Avionics, Inc. CRS KH2R952K Alt#: GDC74A#20608259 Alt2: 12731-003#478684 Xpdr: GTX33ES#89120058 Joshua D Wright	
6-5-20	5009	5009	Complied with 24-month GMU 44 Magnetometer Calibration in accordance with Cirrus SR20 AMM p/n: 12137-001 chapter 34-20. Mal. H. A#2785650	
6-22-20	5010	5010	Complied with 5-year ELT RCPI battery replacement p/n: 2CR11108 (Duracell p/n: 28L). Complied with 5-year LH & RH brake caliper o-ring replacement (4 each p/n: M83461/1/222). 4 each p/n 66-105. Richard H. Clulow Alt 2136763	
7-29-20	5055	5055	N583PU S/N: 2043 July 29, 2020 Maintenance HMTR: 5055 TTA: 5055 1) Complied with Purdue University N583PU Progressive Inspection Program Event 2 Inspection IAW Purdue University N583PU Progressive Inspection Program Procedures Manual. Next inspection due at 5105 hours (maintenance hourmeter time). 2) Complied with 500-hour torque verification of engine mount weldment and lower mount attach fitting attachment bolts. 3) Replaced LH main wheel/tire assembly p/n: 13399-101 (40-75P), tire s/n on: 1013243. 4) Complied with ELT Inspection IAW FAR 91.207(d). ELT battery due for replacement: 06/23. Signature and A&P#	
			I certify that in accordance with the Purdue University N583PU Progressive Inspection Program a Routine Inspection of the Cabin and Radio Group, Fuselage and Empennage Group, Wing Group, and Landing Gear Group, and a Detailed Inspection of the Engine Group and Propeller Group were performed and this airframe is approved for return to service.	
SUB-TOT			Signature and A&P/IA #	
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Page No.			DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK	
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9-15-20	5105	5105	N583PU S/N: 2043 Maintenance HMTR: 5105 1) Complied with Purdue University N583PU Progressive Inspection IAW Purdue University N583PU Progressive Inspection Program Procedures Manual. Next inspection due at 5180 hours (maintenance hourmeter time). I certify that in accordance with the Purdue University N583PU Progressive Inspection Program a 50-Hour Inspection was performed and this airframe is approved for return to service.	
10-20-20	5130	5130	N583PU S/N: 2043 Maintenance HMTR: 5130 1) Complied with Purdue University N583PU Progressive Inspection IAW Purdue University N583PU Progressive Inspection Program Procedures Manual. Next inspection due at 5180 hours (main lower mount attach fitting attachment bolts). 2) Complied with 500-hour torque verification of engine mount weldment and lower mount attach fitting attachment bolts. 3) Replaced LH main wheel/tire assembly p/n: 13399-101 (40-75P), tire s/n on: 1013243. 4) Complied with ELT Inspection IAW FAR 91.207(d). ELT battery due for replacement: 06/23. 5) Complied with 500-hour torque verification of engine mount weldment and lower mount attach fitting attachment bolts. 6) Complied with 500-hour torque verification of engine mount weldment and lower mount attach fitting attachment bolts. I certify that in accordance with the Purdue University N583PU Progressive Inspection Program a Routine Inspection of the Cabin and Radio Group, Fuselage and Empennage Group, Wing Group, and Landing Gear Group, and a Detailed Inspection of the Engine Group and Propeller Group were performed and this airframe is approved for return to service.	
SUB-TOTAL			Signature and A&P/IA #	
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Signature and Certificate No. of Person Performing Work

DESCRIPTION OF WORK PERFORMED—

SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

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03 JUN 2020 Cirrus SR20 N583PU Maint Hobbs: 5009.3
 Performed preliminary inspection. Checks required by 14 CFR § 43
 91.411 and 91.413 were performed in accordance with 14 CFR § 43
 Appendix E and F. Altimeters tested to maximum altitude of 20,000
 feet to be airworthy as per work performed. WO#21011
 GDC74A#20698259 Alt2:12731-003#478684
 GTX33ES#89120058

Joshua D Wright

Complied with 24-month GMU 44 Magnetometer Calibration in
 accordance with Cirrus SR20 AMM p/n: 12137-001 chapter 34-20.

Mal AP2785650
 with 5-year ELT RCPI battery replacement p/n: 2CR11108

with 5-year LH & RH brake caliper o-ring replacement
 M83461/1/222). R472 LH brake pads
 66-105.
 Signature of the Pilot-in-Command APT 2176703

HMTR: 5055

S/N: 2043

with Purdue University N583PU Progressive Inspection Program
 inspection IAW Purdue University N583PU Progressive Inspection
 Procedures Manual. Next inspection due at 5105 hours
 (maintenance hourmeter time).

with 500-hour torque verification of engine mount weldment and
 at attach fitting attachment bolts.

main wheel/tire assembly p/n: 13399-101 (40-75P), tire s/n on:

h ELT inspection IAW FAR 91.207(d). ELT battery due for
 06/23.

Signature and A&P# AP3778016

ance with the Purdue University N583PU Progressive
 routine inspection of the Cabin and Radio Group, Fuselage
 Wing Group, and Landing Gear Group, and a Detailed
 Group and Propeller Group were performed and this
 return to service.

Signature and A&P/IA # AP311521103

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9-15-20	5105	5105	<p>N583PU S/N: 2043 September 15, 2020 Maintenance HMTR: 5105 TTA: 5105</p> <p>1) Complied with Purdue University N583PU Progressive Inspection Program 50-Hour Inspection IAW Purdue University N583PU Progressive Inspection Program Procedures Manual. Next inspection due at 5155 hours (maintenance hourmeter time).</p> <p>Signature and A&P# AP2785650</p> <p>I certify that in accordance with the Purdue University N583PU Progressive Inspection Program a 50-Hour Inspection was performed and this airframe is approved for return to service.</p> <p>Signature and A&P/IA # AP2785650</p>
10-20-20	5130	5130	<p>N583PU S/N: 2043 October 20, 2020 Maintenance HMTR: 5130 TTA: 5130</p> <p>1) Complied with Purdue University N583PU Progressive Inspection Program Event 2, Event 4, and 50-Hour Inspection IAW Purdue University N583PU Progressive Inspection Program Procedures Manual. Next inspection due at 5180 hours (maintenance hourmeter time).</p> <p>2) Complied with 500-hour torque verification of engine mount weldment and lower mount attach fitting attachment bolts.</p> <p>3) Replaced throttle quadrant cam follower bolt (p/n: AN3-10).</p> <p>4) Complied with ELT Inspection IAW FAR 91.207(d). ELT battery due for replacement: 06/23.</p> <p>5) Complied with alternator #1 (p/n: ES-4024LP, s/n: H-S042258) 500-hour inspection (see component record for details).</p> <p>6) Complied with 200-hour battery #1 (s/n: 40927909) recurring inspection and capacity check.</p> <p>Signature and A&P# AP4050231</p> <p>I certify that in accordance with the Purdue University N583PU Progressive Inspection Program a Routine Inspection of the Fuselage and Empennage Group, Wing Group, and Landing Gear Group, and a Detailed Inspection of the Engine Group, Propeller Group, and Cabin and Radio Group were performed and this airframe is approved for return to service.</p> <p>Signature and A&P/IA # AP2785650</p> <p>I certify that in accordance with the Purdue University N583PU Progressive Inspection Program a Cycle 11 has been completed and this aircraft is approved for return to service.</p> <p>Signature and A&P/IA # AP2785650</p>
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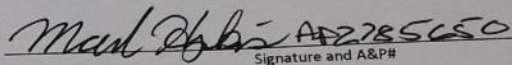
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TOTAL brought forward from previous page				
11-520	5144	5144	AD 2020-19-06, McCauley Propeller Governor Idler Bearing, dated 11/03/20, previously complied with by installation of a governor eligible for installation in accordance with paragraph (g)(h). Advanced Propeller Systems, LLC idler bearing p/n: APS-20028 installed on propeller governor s/n: 090271 on 05/15/19 by Tiffin Aire, Inc. under w/o: 8402. <i>Mark Hopkins</i> AP2785650 Mark Hopkins A&P2785650	
3/13/21	5177	5177	<p>S/N: 2043 March 13, 2021 TTA: 5177</p> <p>N583PU Maintenance HMTR: 5177</p> <p>1) Complied with Purdue University N583PU Progressive Inspection Program 50-Hour Inspection IAW Purdue University N583PU Progressive Inspection Program Procedures Manual. Next inspection due at 5227 hours (maintenance hourmeter time).</p> <p>2) Replaced nose wheel & tire assy., P/N 12798-001; S/N tire on: 92172150.</p> <p>3) Replaced console lanyard, P/N 15062-001.</p> <p><i>AP3778016</i> Signature and A&P#</p> <p>I certify that in accordance with the Purdue University N583PU Progressive Inspection Program a 50-Hour Inspection was performed and this airframe is approved for return to service.</p> <p><i>AP2725795 IA</i> Signature and A&P/IA #</p>	
3-26-21	5177	5177	<p>S/N: 2043 March 26, 2021 TTA: 5177</p> <p>N583PU Maintenance HMTR: 5177</p> <p>This aircraft has been removed from the Purdue University N583PU Progressive Inspection Program in accordance with FAR 91.409(d). In accordance with the Purdue University N583PU Progressive Inspection Program Procedures Manual, the next annual inspection under 91.409(a)(1) is due by 10/31/21 and, if applicable, the next 100-hour inspection under 91.409(b) is due by 5230 airframe total time.</p> <p><i>Mark Hopkins</i> AP2785650 IA Mark Hopkins A&P2785650 IA</p>	
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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTAL brought forward from previous page			
3-30-21	5177	5177	<p>N583PU Maintenance Hourmeter: 5177 S/N: 2043</p> <p>1) Complied with 12-year pilot and co-pilot seat replacement:</p> <p>a) Removed LH (pilot) IRS inflator assembly 10189; installed inflator assembly (p/n: 20902-006), fitting a harness (p/n: 20902-006).</p> <p>b) Removed RH (co-pilot) IRS inflator assembly 118W 10209; installed inflator assembly 27EE257D0385, date of manufacture: 007), and harness (p/n: 20902-007).</p> <p>2) Replaced LH (pilot) seat energy absorber.</p> <p><i>Mark Hopkins</i></p>
<p>Tail # N583PU Champion Flyers of Alabama – Shelby County</p> <p>DATE: 11/12/2021 TACH: 5216.6 HO</p> <p>Performed Annual AIRFRAME inspection IAW AC43.13-1b, applicable inspection check list. Open airframe, inspect & lube control system. See attached AD list dated 11/2021 for compliance.</p> <ul style="list-style-type: none"> ● Perform ELT inspection IAW FAR 91.207(d). ELT battery replaced. ● Replaced gascolator drain valve with used but serviceable. ● Replace main brake pads with 66-105 pads. ● Replace left flap assembly with used but serviceable. <p>I certify this AIRFRAME has been inspected IAW an Annual Inspection.</p> <p><i>Nick Owens</i> A&P 26399324A</p>			
<p>DLK AVIATION 2601 Cessna Lane NW Kennesaw, GA</p> <p>LOG ID# 23421 22-November-2021</p> <p>N583PU S/N 2043 CIRUS S</p> <p>HOBBS 6910.4 TACH 5218.9</p>			
<p>*** AIRFRAME LOG ENTRY ***</p> <p>REPLACED CAPS LINE CUTTERS PN 25347-003 S/N 25347-003 NEXT REPLACEMENT DUE FEBRUARY 2027.</p> <p>MAINTENANCE RELEASE.</p> <p>THIS AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, AND ALL EQUIPMENT IS INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS AND IS APPROVED TO RETURN TO SERVICE. PERMITTED BY: [Signature] REPAIR STATION UNDER W021561 DATED 11/12/2021</p> <p>Signed DK7R795J FOR DLK AVIATION</p>			
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Since HMTR: 5177 S/N: 2043 March 26, 2021 TTA: 5177

It has been removed from the Purdue University N583PU Progressive Program in accordance with FAR 91.409(d). In accordance with the Purdue University N583PU Progressive Inspection Program Procedures Manual, annual inspection under 91.409(a)(1) is due by 10/31/21 and, if the next 100-hour inspection under 91.409(b) is due by 5230 airframe

Mark Hopkins AP27856501A
Mark Hopkins A&P 27856501A

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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED — SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK	
TOTAL brought forward from previous page				
3302	5177	5177	N583PU Maintenance Hourmeter: 5177	S/N: 2043 March 30, 2021 TTA: 5177
			1) Complied with 12-year pilot and co-pilot seat IRS inflator assembly replacement: a) Removed LH (pilot) IRS inflator assembly p/n: 20902-002, s/n: AASI 118W 10189; installed inflator assembly (p/n: 20902-005, s/n: Z7EE273D0881, date of manufacture: A0720), fitting assembly (p/n: 20902-007), and harness (p/n: 20902-006). b) Removed RH (co-pilot) IRS inflator assembly p/n: 20902-002, s/n: AASI 118W 10209; installed inflator assembly (p/n: 20902-005, s/n: Z7EE257D0385, date of manufacture: A0720), fitting assembly (p/n: 20902-007), and harness (p/n: 20902-006). 2) Replaced LH (pilot) seat energy absorption module p/n: 14152-004.	
			 Signature and A&P#	

Tail # N583PU Champion Flyers of Alabama – Shelby Co. Airport (KEET)

DATE: 11/12/2021 TACH: 5216.6 HOBBS: 6907.1 AFTI: 5216.6
Performed Annual AIRFRAME inspection IAW AC43.13-1b, appendix "D" and Cirrus SR20 Service Manual
inspection check list. Open airframe, inspect & lube control system & hinges, service landing gear & inspect brakes.
See attached AD list dated 11/2021 for compliance.

- Perform ELT inspection IAW FAR 91.207(d). **ELT battery EXPIRATION: 06/2023.**
- Replaced gascolator drain valve with used but serviceable 50242-001 drain valve.
- Replace main brake pads with 66-105 pads.
- Replace left flap assembly with used but serviceable 16891-001 flap assembly.

● Replace left flap assembly with used but serviceable 16891-001 flap assembly.
I certify this AIRFRAME has been inspected IAW an Annual inspection and is airworthy at this time.
Nick Owens A&P 26399324A

2601 Cessna Lane NW Kennesaw, GA 30144 DK7R795J
LOG ID# 23421 22-November-2021 WO# 21561-0
N583PU S/N 2043 CIRRUS SR20
HOBBS 6910.4 TACH 5218.9

*** AIRFRAME LOG ENTRY ***

REPLACED CAPS LINE CUTTERS PN 25347-003 SN 19313 AND 19601 IAW WITH CIRRUS SR20 MM 95-00 -
NEXT REPLACEMENT DUE FEBRUARY 2027.

MAINTENANCE RELEASE. THIS AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, AND ALL MAJOR COMPONENTS IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED TO RETURN TO SERVICE. THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER V-50.

Signed DK7R793 FOR

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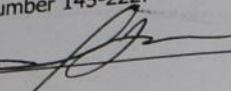
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METER
TIMEDESCRIPTION OF WORK PERFORMED—
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK6120 Smithwood Rd.
Liberty, NC 27298
United States
336-685-4423

Registration : N583PU Tach: 5240.0 Hobbs: 5240.0 Manufacturer: Cirrus. Model number: SR20
Aircraft Serial Number: 2043 Work Order No: 145-222 Date: 1/28/2022

- 1- Installed 2 wheel pant brackets p/n 11799-004 and safetied. Installed customer supplied wheel pant in reference to SR20 MM Ch 32-20.
- 2- Removed nose landing gear pucks and replaced with 5 new pucks p/n 13386-001 in reference to SR20 MM Ch. 32-20.

These items identified above were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are approved for return to service. Pertinent details of these repairs are on file at the repair station under Work Order Number 145-222.

Authorized Signature  Date 1/28/2022 CRS# EWCR750D

6120 Smithwood Rd.
Liberty, NC 27298
United States
336-685-4423

Registration : N583PU Tach: 5240.0 Hobbs: 5240.0 Manufacturer: Cirrus. Model number: SR20
Aircraft Serial Number: 2043 Work Order No: 145-222 Date: 1/28/2022

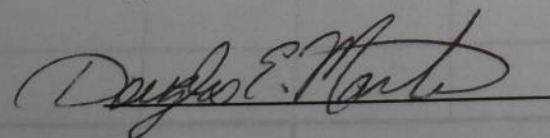
I certify that the tests required by CFR 91.411 and 91.413 have been performed in reference to CFR 43 Appendix E and F. Altimeters were tested to a maximum altitude of 20,000 ft and found to be in an airworthy condition. Alt #1: GDC74A s/n 20608259, Alt #2 12731-003 s/n 478684, Xpdr: GTX33ES s/n 89120058.

These items identified above were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are approved for return to service. Pertinent details of these repairs are on file at the repair station under Work Order Number 145-222.

Authorized Signature  Date 1/28/2022 CRS# EWCR750D

N583PU Hobbs: MX: 5274.4 4.21.2022

Installed new Good Year Flight Special II 15 X 6.0-6 6 PLY tire and LEAK GUARD INNER TUBES (Right Side). All work completed IAW manufacturer's maintenance instructions. I certify that this aircraft is approved for return to service.



Douglas E. Martin A&P/IA 433410205

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SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

Registration : N583PU Tach: 5284.4 Hobbs: 5284.4 Manufacturer: Cirrus. Model number: SR20
Aircraft Serial Number: 2043 Work Order No: 145-233 Date: 6/2/2022

- 1- Removed landing gear leg fairings. Installed new painted wheel fairings and parts associated with LH wheel pant assy p/n 18137-003 and access panel p/n 18138-003. RH Wheel pant assy p/n 18138-004. 2 axle fairing mounts p/n 13447-001 and 2 lower wheel fairing brackets p/n 18138-004. Installed in reference to Cirrus SR20 MM Ch. 32-10 and updated equipment list and work order.
- 2- Removed nose wheel pant to be repaired. Repaired nose wheel pant and painted a new nose wheel pant in reference to Cirrus SR20 MM Ch 51-70.
- 3- Removed and Replaced #2 Battery, P/N: NP7-12T (Qty 2) in reference to Cirrus SR20 MM Ch 51-70.
- 4- Removed main battery p/n RG-24-11M s/n 40927909 and replaced with new battery p/n 41196839.
- 5- Removed pilot's broken sun visor and replaced with a new visor p/n R17402.
- 6- Replaced Rh axle fitting with new p/n 18103-003 in reference to Cirrus SR20 MM Ch 51-70.

These items identified above were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are approved for return to service. Pertinent details of these repairs are on file at the repair station under Work Order Number 145-233.

Authorized Signature  Date 6/2/2022



Registration #: N583PU
Manufacturer: Cirrus
Part/Model number: SR20
Serial Number: 2043
Work Order No: 145-305
Date: 11/28/2022

Squawks

- 1- Completed aircraft annual inspection per the manufacturer's instructions in reference to Appendix D.
- 2- Complied with ELT inspection and ELT ME406 meeting requirements in reference to Appendix D.
- 3- Removed wheels and inspected bearings, brake discs and hubs in reference to Cirrus SR20 MM Ch. 32-20.
- 4- Lubricate aircraft in reference to Cirrus SR20 MM Ch. 32-20.
- 5- Replaced inlet air filter with new BA-24 element. Replaced inlet air filter in reference to Cirrus SR20 MM Ch. 32-20.
- 6- Cleaned and inspected gascolator in reference to Cirrus SR20 MM Ch. 32-20.
- 7- Removed the main ship battery and performed maintenance in reference to Cirrus SR20 MM Ch. 32-20. Reinstalled battery. This work was accomplished in reference to Cirrus SR20 MM Ch 24.
- 8- Removed left main landing gear tire p/n 1585 s/n 2187T00051 and new inner tube p/n D0

is E. Martin A&P/IA 433410205

- 1- Completed aircraft annual inspection per the manufacturer's instructions. Appendix D.
- 2- Complied with ELT inspection and ELT ME406 meets the requirements of FAR 91.207(d). Battery pack expired June 2023.
- 3- Removed wheels and inspected bearings, brake discs and brake linings. Cleaned and repacked wheel bearings. Work performed in reference to Cirrus SR20 MM Ch. 32.
- 4- Lubricate aircraft in reference to Cirrus SR20 MM Ch. 12.
- 5- Replaced inlet air filter with new BA-24 element. Straightened rod in induction air box and chased threads on through bolt. Performed in reference to Cirrus SR20 Ch. 71-60.
- 6- Cleaned and inspected gascolator in reference to Cirrus SR20 MM Ch. 28 with no defects noted.
- 7- Removed the main ship battery and performed a capacity check on the battery. Battery passed capacity above 80%. Reinstalled battery. This work was accomplished in reference to Concorde CMM Doc. 5-0171, Rev. Q dated 12/14/2018 and Cirrus SR20 MM Ch 24.
- 8- Removed left main landing gear tire p/n 156E61-3 s/n 10132461 and installed new main landing gear tire p/n 025-501-1 s/n 2187T00051 and new inner tube p/n D302-246-401D.

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- 9- Replaced left and right brake discs with new disc p/n 164-01501. Installed new brake linings p/n 066-10500 on left and right brake assemblies. Work performed in reference to Cirrus SR20 MM Ch. 32 and Cleveland CMM.
- 10- Removed alternator p/n ES-4029 s/n H-S112278 and sent to Aerotech of Louisville for repair. Alternator overhauled under work order # 152424 on 11/23/2022. Installed alternator in reference to Cirrus SR20 MM Ch. 24-30. Performed ground un and ops check with no defects noted.
- 11- Replaced arm rest lanyard with new p/n 15062-001.
- 12- Replaced alternator belt with new belt p/n 657504 in reference to Cirrus SR20 MM Ch. 24-30. Performed operational check of #1 alternator with no defects noted.
- 13- Removed corrosion from affected area of the left flap. Primed and touched up paint in reference to SR20 MM Ch.51.
- 14- Removed forward right baffling. Removed previously installed doubler and fabricated new doubler from 2024 .032 aluminum. Etched and alodined and installed new doubler by riveting. Reinstalled right forward baffling. Repair made in reference to AC 43.13, 1B and installed in reference to SR20 MM Ch. 71.
- 15- Replaced pilot's mic jack with new. Removed GMA347 audio panel p/n 011-00807-30 s/n 15H005755 and replaced with loaner audio panel p/n 011-00807-00 s/n 47000354 repaired under Garmin SO# 14291993 dated 1/17/2018.

These items identified above were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are approved for return to service. Pertinent details of these repairs are on file at the repair station under Work Order Number 145-305

Authorized Signature

A&P 3694884 IADate 11/29/2022

6120 Smithwood Rd.
Liberty, NC 27298
United States
336-685-4423

ACTT: 55 17.2

Registration #: N583PU
Manufacturer: Cirrus
Part/Model number: SR20
Serial Number: 2043
Work Order No: 145-311
Date: 1/11/2023

Removed loaner GMA347 audio panel p/n 011-00807-00 s/n 47000354 and installed repaired GMA347 p/n 011-00807-30 s/n 15H005755. Unit repaired under Garmin SO# 159405336 dated 12/6/2022. Performed functional test with no defects noted.

These items identified above were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are approved for return to service. Pertinent details of these repairs are on file at the repair station under Work Order Number 145-311.

Authorized Signature

A&P 3694884 IADate 1/11/2023

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Freedom Aviation
310 Hangar Road
Lynchburg, VA 24502
(434) 237-3342
CRS# BGSR439C

Date: 2/24/2023, Aircraft: N583PU, Type: SR20, S/N: 2043, Tach: 5550

Airframe Entries

Customer complaint that the GMA347 audio panel is showing are multiple database errors shown on the displays. Ramp entered the configuration mode of the Perspective system and the GMA347 audio panel. The audio panel config service is present. Performed a system database update of all the system Navigation database to the current cycle. There are no Perspective displays. The Perspective Avionics system is AMM 34-00.

Maintenance Release
The aircraft and/or component(s) as listed above was repaired in accordance with the applicable Federal Aviation Regulations. Pertinent details are on file at this repair station.

JOE LEONARD CRS

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AND 369424JA Date 1/11/2023

6120 Smithwood Rd.
Liberty, NC 27298
United States
336-685-4423

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