

AIRCRAFT DESCRIPTION

MANUFACTURER: Cirrus Design Corporation

MODEL: SF50

SERIAL NUMBER: 0009

REGISTRATION NUMBER: N124MW

DATE OF MANUFACTURE: 11 April 2017

ELT HEX CODE: 2DC7422E38FF8FF

EXTERIOR PAINT:

PAINT COLOR 1:

PAINT CODE 1:

PAINT COLOR 2:

PAINT CODE 2:

PAINT COLOR 3:

PAINT CODE 3:

REGISTERED OWNER 1:

STREET ADDRESS:

CITY, STATE, ZIP:

OPERATOR:

STREET ADDRESS:

CITY, STATE, ZIP:

REGISTERED OWNER 2:

STREET ADDRESS:

CITY, STATE, ZIP:

OPERATOR:

STREET ADDRESS:

CITY, STATE, ZIP:

REGISTERED OWNER 3:

STREET ADDRESS:

CITY, STATE, ZIP:

OPERATOR:

STREET ADDRESS:

CITY, STATE, ZIP:

[illegible]

ALTIMETER & STATIC SYSTEM CHECKS

F.A.R. 91.411

DATE	MANUFACTURER	MODEL	SERIAL NUMBER	LOCATION	MAXIMUM ALTITUDE	NEXT DUE	AUTHORIZED SIGNATURE AND CERTIFICATE NUMBER
			I certify that the altimeter, static system, transponder, and altitude reporter test required by FAR's 91.411, 91.413, & 91.217 have been performed and found within the limits of FAR 43 appendices E & F and AC 43-6C.				
			TESTED TO 35,000 FEET ON 3/1/17				
			Transponder 1: Mfg <u>Garmin</u> P/N <u>24653-002</u> Model: <u>GTX 33D</u> S/N <u>89135595</u>				
			Transponder 2: Mfg <u>Garmin</u> P/N <u>24653-002</u> Model: <u>GTX 33D</u> S/N <u>89131044</u>				
			ADC 1: Model <u>GDC74A</u> P/N <u>24651-001</u> S/N <u>20623362</u>				
			ADC 2: Model <u>GDC74A</u> P/N <u>24651-001</u> S/N <u>20623340</u>				
			STANDBY ATTITUDE: Mfg: <u>Garmin</u> PN <u>30499-002</u> Model: <u>MD 302</u> S/N <u>E15-10248</u>				
			CDC Quality Assurance on <u>3 / 9 / 2017</u> . Cirrus Design Corporation Duluth, MN USA				
			I certify that the altimeter, static system, transponder and altitude reporter test required by FAR's 91.41, 91.413 & 91.217 have been performed and found within the limits of FAR 43 appendices E & F and AC 43-6B				
			Tested to : 30000 Feet on : 6 mar 2019				
			Altimeter 1 : GDC74 S# : 20623362				
			Altimeter 2 : GDC74 S# : 20623340				
			Altimeter 3 : MD302 S# : E15-10248				
			Transponder 1: GTX33D S# : 89135595				
			Transponder 2: GTX33D S# : 89131044				
			Alt. Encoder : GDC74 S# : 20623362				
			WO # : 112139-11-2018 By : W. Harens				
			General Enterprises BV, FAA Approved Repair Station : GNSY577X Form GE/FAA 003, Date : 14 August 2008.				

ARAPAHOE AERO AVIONICS

12780 E Control Tower Rd Englewood, CO 80112 303.799.6289

N313BN Cirrus SF50 SN: 0009 ACTT: 555.2

October 27, 2021

Garmin GDC 74A 011-00882-10 SN: 20623340 (3.11), Garmin GDC 74A 011-00882-10 SN: 20623362 (3.11) Altimeters have been tested per FAR 91.411 Part 43 Appendix E to 30K'. See our 8130-3's issued this date. Mid-Continent Standby Attitude Module MD302-3 6420302-3. SN: J15-12015. Altimeter and Airspeed have been tested per FAR 91.411 Part 43 Appendix E to 30K'. See our 8130-3 issued this date. Aircraft static system failed initial leak check. Leak found to be at static ports. Disconnected fittings from static ports, isolated instruments from ports, applied teflon tape to static port fittings and resealed. Replaced 'T' fitting on port side. Reconnected system. Aircraft Pitot and Static systems have been tested per **FAR Part 43 Appendix E**. Aircraft Static system was tested to 7000' with <20' leak per minute. Pitot system was tested to 150 kts with no leaks. The ATC Transponder test and inspection required by **FAR 91.413** was performed on the #1 Garmin GTX 33D 011-00779-21, SN: 84813076 transponder and found to comply with **FAR Part 43 Appendix F**. Details of this test and inspection are on file at this Repair Station. The ATC Transponder test and inspection required by **FAR 91.413** was performed on the #2 Garmin GTX 33D 011-00779-21, SN: 84813212 transponder and found to comply with **FAR Part 43 Appendix F**. Details of this test and inspection are on file at this Repair Station.

The aircraft and/or component identified above have been inspected in accordance with the current maintenance rules of the Federal Aviation Regulations and is approved for return to service.

FAA CRS ZL6R006Y Signed:

AV-04620

MAINTENANCE RECORD

F.A.R 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DETAILS OF WORK PERFORMED AND APPROVED DATA USED	AUTHORIZED SIGNATURE AND CERTIFICATE NUMBER
		<p>MAKE: CIRRUS DESIGN CORP MODEL: SF50 S/N: 0009 REG. NO: N124MW WORK ORDER: DLH18690-04-2017</p> <div style="display: flex; align-items: center;"> <div> <p>Cirrus Design Factory Service Center</p> <p>Repair Station No. YD5R855Y 4961 Airport Road Duluth, MN 55811 Phone: 218-788-3049</p> </div> </div> <p style="text-align: right;">DATE: 4/20/2017 A/C TSN: 14.4 Landings: FLIGHTTIME: 14.4</p> <p>Airframe Entries</p> <p>(2) Re-torqued LH flexible brake line to bulkhead fitting at main landing gear rib WS 51 IAW Cirrus SF-50 AMM P/N 31448-001, Ch. 20-80, Sec. B, Pg. 7. Replenished brake fluid reservoir IAW Cirrus SF-50 AMM P/N 31448-001, Ch. 12-10, Sec. C, Pg. 12. Ops and leak check good.</p> <p>(4) Serviced MLG and NLG Struts to capacity IAW Cirrus AMM Chapter 12-10.</p> <p>(5) Verified Torque of Fuel Lines from Fuel Control Valves to Fuselage bulkheads IAW Standard Maintenance Practices.</p> <p>(6) Removed battery #1 P/N- 30070-002 S/N 40837264 and replaced with new battery #1 P/N- 30070-002 S/N 40837247 IAW Cirrus SF-50 Manual 24-30.</p> <p>I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of this work order are on file at this Certified Repair Station CRS YD5R855Y.</p>	<p>DATE: 4/20/2017</p> <p>SIGNED: </p> <p>Glenn Nelson Certified Repair Station No. YD5R855Y</p> <p>Work Order: DLH18690-04-2017 Printed by EBis 3 (datcomedia.com)</p>
		<p>MAKE: CIRRUS DESIGN CORP MODEL: SF50 S/N: 0009 REG. NO: N124MW WORK ORDER: DLH18696-04-2017</p> <div style="display: flex; align-items: center;"> <div> <p>Cirrus Design Factory Service Center</p> <p>Repair Station No. YD5R855Y 4961 Airport Road Duluth, MN 55811 Phone: 218-788-3049</p> </div> </div> <p style="text-align: right;">DATE: 4/21/2017 A/C TSN: 15 Landings: 15 FLIGHTTIME: 15</p> <p>Airframe Entries</p> <p>(2) Bleed down left and right brakes. Filled reservoir. All work IAW SF50 AMM 32-42-3. Ops check, leak test good.</p> <p>I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of this work order are on file at this Certified Repair Station CRS YD5R855Y.</p>	<p>DATE: 4/21/2017</p> <p>SIGNED: </p> <p>Ben Hodgkins Certified Repair Station No. YD5R855Y</p> <p>Work Order: DLH18696-04-2017 Printed by EBis 3 (datcomedia.com)</p>
		<p>MAKE: CIRRUS DESIGN CORP MODEL: SF50 S/N: 0009 REG. NO: N124MW WORK ORDER: DLH18698-04-2017</p> <div style="display: flex; align-items: center;"> <div> <p>Cirrus Design Factory Service Center</p> <p>Repair Station No. YD5R855Y 4961 Airport Road Duluth, MN 55811 Phone: 218-788-3049</p> </div> </div> <p style="text-align: right;">DATE: 4/22/2017 A/C TSN: 16.7 Landings: FLIGHTTIME: 16.7</p> <p>Airframe Entries</p> <p>(2) Bleed left and right brakes with MIL-PRF-87257 Hydraulic fluid. Filled reservoir. All work IAW SF50 AMM chapter 32-42-3. Ops and leak check good.</p> <p>I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of this work order are on file at this Certified Repair Station CRS YD5R855Y.</p>	<p>DATE: 4/22/2017</p> <p>SIGNED: </p> <p>Joseph Sullivan Certified Repair Station No. YD5R855Y</p> <p>Work Order: DLH18698-04-2017 Printed by EBis 3 (datcomedia.com)</p>

MAINTENANCE RECORD

F.A.R 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DETAILS OF WORK PERFORMED AND APPROVED DATA USED	AUTHORIZED SIGNATURE AND CERTIFICATE NUMBER
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MAKE: CIRRUS DESIGN CORP
MODEL: SF50
S/N: 0009
REG. NO: N124MW
WORK ORDER: DLH18647-03-2017



Cirrus Design Factory Service Center

Repair Station No. YD5R855Y
4961 Airport Road
Duluth, MN 55811
Phone: 218-788-3049

DATE: 5/5/2017
A/C TSN: 19.8
Landings:
FLIGHTTIME: 19.8

Airframe Entries

- (2) Dual Diversity Transponders installed, Transponder #1 p/n- 29034-001 s/n- 84813076 and Transponder #2 p/n- 29034-001 s/n-84813212 IAW Field Alteration repair # FRA00009024. Operational check out c/w per Field Alteration # FRA00009024 and 14 CFR Part 43 appendix F.
- (4) Installed DME KN64 p/n- 24658-001 s/n- 39667 IAW Field Repair/Alteration FRA00009116. DME operational check out c/w Garmin Pilots Guide P/N 190-01979-00.
- (5) Removed and replaced external placards as necessary in accordance with Repair # FRA00008960.
- (6) Removed A/C compressor P/N 36734-003, S/N 1-C35829-3. Installed updated A/C compressor P/N 36734-004, S/N 1-C35794-4. Charged system to 2.4 lbs of refrigerant and added 3.0 oz. of POE oil. Performed ops check of system with satisfactory results. All work done IAW SF50 MM 21-50.
- (7) Installed 4 ea Boundary Layer Energizers P/N 34797-001 L/H lower outboard wing IAW SF-50 AMM chapter 57-20-2.
- (9) Removed Temp Control Valve P/N 30863-501, S/N 1-C27407-1. Installed New Temp Control Valve P/N 30863-501, S/N 1-C35665-2. Removed BASS PRESSURE TRANSDUCER P/N 30581-001 and replaced with new. Performed operational/function check with satisfactory results. All work done IAW SF50 MM 21-40.
- (10) Removed old interior door trim panel, replaced with new panel p/n 25535-001. All work done IAW SF50 AMM chpt.52-10.017.
- (16) Removed GTC 580 #2 Unit P/N 30127-001 S/N 3QQ001243 and installed new GTC 580 P/N 30127-001 S/N 3QQ001239 IAW AMM 31-40.
- (17) Removed ACS Contactor IAW FRA00008818. Performed ops check of system with satisfactory results. All work done IAW SF50 MM 21-50.
- (18) Re-torqued LH fuel line fitting IAW SF50 AMM 20-10 standard maintenance practices.
- (19) Repaired antenna holes per chapter 51-20. Precure plug, and hysol filler on smaller holes, with one ply each side. Postcured.
- (21) Removed & Replaced Engine Fuel filter P/N 120901. Saved old filter and delivered to Williams International Representative. Leak checked IAW Williams AMM 73-10.
- (22) Trimmed the upper door bond flange to improve aesthetics of the door gap. Removed .10 of material to achieve a gap between .170-.180. per the field alteration FRA00009256. form, fit, function good.
- (23) Removed and replaced both LH and RH MLG grounding tabs with new P/N 37954-002 IAW CDC Field Repair/ Alteration

1 of 2

#FRA00008919.

- (25) Seats removed and packed for overseas shipping.
- (26) Weight for seat 1 and 2 only included in Delivered Empty Weight. Passenger seats 3-7 not included in Aircraft equipment list and C of A Aircraft weight and balance. Seats weight and moment are added in aircraft software prior to flight.

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

DATE: 5/5/2017

SIGNED:

Ben Hodgkins
Certified Repair Station No. YD5R855Y

Work Order: DLH18647-03-2017

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ENGINE MODEL: FJ33-5A
ENGINE S/N: 233612
REG. NO: N124MW
WORK ORDER: DLH18647-03-2017



Cirrus Design Factory Service Center

Repair Station No. YD5R855Y
4961 Airport Road
Duluth, MN 55811
Phone: 218-788-3049

DATE: 5/5/2017
Airframe TT: 15.4
ENG TT: 9.2
ENG TC:
FLIGHTTIME: 19.8

Engine Entries

- (27) Installed firewall sealant P/N 53446-001 on exposed structural adhesive inside engine well. IAW Repair #FRA00009191.

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

DATE: 5/5/2017

SIGNED:


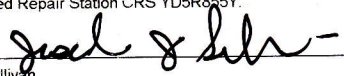


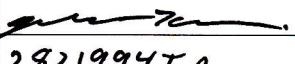
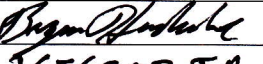
Ben Hodgkins
Certified Repair Station No. YD5R855Y

Work Order: DLH18647-03-2017

Printed by EBis 3 (datcomedia.com)


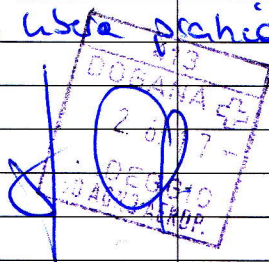
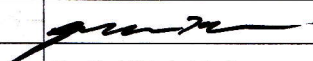

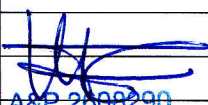
MAINTENANCE RECORD

F.A.R 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DETAILS OF WORK PERFORMED AND APPROVED DATA USED	AUTHORIZED SIGNATURE AND CERTIFICATE NUMBER
	MAKE: CIRRUS DESIGN CORP MODEL: SF50 S/N: 0009 REG. NO: N124MW WORK ORDER: DLH18707-05-2017	 Cirrus Design Factory Service Center Repair Station No. YD5R855Y 4961 Airport Road Duluth, MN 55811 Phone: 218-788-3049	DATE: 5/8/2017 A/C TSN: 19.8 Landings: FLIGHTTIME: 19.8
	Airframe Entries		
	(2) Installed loom P/N54282-075 on compressor cables from board to motor IAW AC43-13 and Cirrus Engineering.		
	I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of this work order are on file at this Certified Repair Station CRS YD5R855Y.		
	DATE: 5/8/2017	SIGNED:  Joseph Sullivan Certified Repair Station No. YD5R855Y	Work Order: DLH18707-05-2017 Printed by EBis 3 (datcomedia.com)
		 Airframe Columbia Air Services-BHB, LLC 112 Caruso Drive (Hancock County) Bar Harbor Airport - Trenton, ME 04605 N124MW Cirrus SF50 S/N 0009 Flight 23.7 Hobbs 34.7 Removed TCV p/n 30863-591 s/n 1-C35665-2 and installed p/n 30863-501 s/n 1-C35108-2, and ASM, Ram Air Plenum p/n 33478-004 with new, work done I/A/W Cirrus SF50AMM 36-10, operational checked no defects at this time.	
		<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> The Aircraft, Airframe, Aircraft Engine, Propeller or Appliance Identified Above was Repaired and Inspected in Accordance with current Regulations of FAA and is Approved for return to Service. Pertinent details of the repair are on file at This Repair Station under RO # 593 Date: 5/10/2017 Signed:  A&P2336328 Columbia Air Services - BHB, LLC 112 Caruso Drive Trenton, ME 04605 </div>	
5/16/2017	42.7	Retorqued all Fuel lines between Fuel Tank outlets and Fuel Shutoff Valve	 2821994IA
5/25/2017	52.0	Tightened Aft Pitch Trim Cable 37 LBS tested	
	68.4	Replaced o-rings on Aileron & Pitch Push Rod pressure seals PN 54233-226 & 24233-210 & 24233-208. Removal Both Ailerons to check for check of Static Balance check good.	 2656807IA



MAINTENANCE RECORD

F.A.R 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DETAILS OF WORK PERFORMED AND APPROVED DATA USED	AUTHORIZED SIGNATURE AND CERTIFICATE NUMBER
	REG No: N124MW Airframe SN# SF50-0009		
	Airframe TT: 69.9	Flight Hobbs: 69.9	HOBBS: 89.3
	Airframe Entries:		
	Removed GTC #1 P/N 011-03281-00 S/N 3QQ001154 and installed P/N 011-03281-00 S/N 3QQ001322 new from Garmin on work order 119768374 dated 6/6/2017 in accordance with Cirrus SF50 AMM CH 34-60.		
	 Cert. #: 2768078 A&P		Date: 6/08/2017
	Aeromobile N-124MW immesso in Usa pratica con E/dec n° ACHE1000834935851 		
9/19/2017	ATT 104.9 Hobbs 135.0	Complied with SB 5X-90-01	 28219941A
17 OCT. 2017	ATT 118.1 HRS HOBBS: 151.8 HRS	NO.1 BATTERY REPLACED P/N OFF/ON: 30070-002 S/N OFF: 40837247 S/N ON: 40837265 STATUS: NEW REF. FORM 8120-3 #CDC 101117-002 DETAILS UNDER RUAG SWITZERLAND FILE 302279.	 2600290 MICHEL A. TRIPET
25 OCT 2017	AT 120.1 HRS HOBBS: 154.2 HRS	CDC FIELD REPAIR #FRAC0010065 REV. A.18 DATED 2017-10-19 PERFORMED. ENGINE FUEL PUMP FILTER P/N 120901 AND FUEL FILTER INDICATOR REPLACED. P/N OFF/ON: 57847 S/N OFF: GE-5989 S/N ON: GE-629 DETAILS UNDER RUAG SWITZERLAND FILE 303922.	 A&P 2600290 MICHEL A. TRIPET


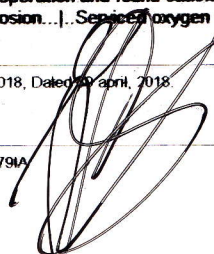


MAINTENANCE RECORD

F.A.R 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DETAILS OF WORK PERFORMED AND APPROVED DATA USED	AUTHORIZED SIGNATURE AND CERTIFICATE NUMBER
	MAKE: Cirrus MODEL: SF50 S/N: 0009 REG. NO: N124MMW WORK ORDER: 11051-08-2017	<div style="display: flex; justify-content: space-between;"> <div> General Enterprises b.v. Machlaan 8A 9761TK Eelde The Netherlands Phone: +31-50-3096060 </div> <div> General Enterprises b.v. DATE: 24 november, 2017 A/C TSN: 122.6 Landings: HOBBS: 157.3 </div> </div>	
	Airframe Entries	<p>Replaced RH aft vent line and bulkhead fitting i.a.w. AMIM 31448-001 original issue chapter 28 and Cirrus Field Service Instructions...]. Replaced CAPS placard on nose i.a.w. AMIM 11-20 original issue...]. Replaced aft cargo bay light i.a.w. AMIM 33-40 original issue...]. Replaced Nose Landing Gear Aisle i.a.w. SB5X-32-01...]. Complied with SB5X-52-01 Upper Door Locking Cam Decals...]. Performed SB5X-53-02 Aft Engine Bulkhead Alteration...]. Inspected pitot/static systems for leaks, found excessive leak on static system, repaired static line at upper tee connection of the water trap i.a.w. AMIM chapter 34-10...]. Inspected flap wiring for condition and found satisfactory, inspected flap operation and checked flaps for abnormal current draw, found satisfactory. Replaced flap actuator i.a.w. AMIM chapter 27-50...]. Installed BLEs with improved VHB tape i.a.w. FRA00008940C...]. Aircraft already in compliance with FRA00009063 Swap Anticipator Temp Sensor Connector...]. Aircraft already in compliance with FRA00009063 FADEC Harness zip ties...]. Upgraded G3000 software to version 1986.06 i.a.w. FRA00009175...]. Complied with FRA00009280 Replaced power TRs on Circuit breakers with longer ones...]. Performed FRA00009510 Wet installation of CAPS attach fasteners...]. Replaced Ram Air Exhaust Ducting and Modified Ram Air Inlet i.a.w. SB5X-21-01...]. Performed SB5X-27-01 Rudder Pedal Extra Washers Installation...]. Complied with SB5X-34-01, modified audio configuration...]. Inspected emergency power diode for proper installation i.a.w. instruction provided by cirrus field service, corrected diode installation, performed functional inspection i.a.w. AMIM chapter 24-30 and found satisfactory...]. Inspected ground block connections i.a.w. FRA00010206.</p> <p>Pertinent details of the repair are on file under Work Order No. 11051-08-2017, Dated 24 november, 2017.</p>	
	DATE: 24 november, 2017	SIGNED:  W. Harons GE11, A&P: 3450757	Work Order: 11051-08-2017 Printed by EBIS 3 (datcomedia.com)
		1 of 1	
14 december 2017	124.5 engine hours	<p>Replaced igniter Leads and plugs i.a.w. LMM Rev 6 dated 22 sep 2017. Replaced exciter unit checked fuel start nozzle for correct operation. Performed ground run and found engine operation satisfactory.</p> <p>Removed exciter p# 7092 SH BL-20990 installed SH BL-21191. installed igniter plugs SH CK1701736 & CK1701733</p>	 ARP 3450757 W. HARONS

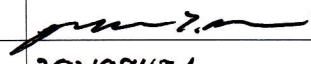
MAINTENANCE RECORD

F.A.R 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	MAINTENANCE	AUTHORIZED SIGNATURE ANDIFICATE NUMBER
	MAKE: Cirrus MODEL: SF50 S/N: 0009 REG NO: N124MW WORK ORDER: 11564-04-2018	 <div style="display: inline-block; vertical-align: middle; margin-left: 10px;"> general enterprises Machlaan 8A 9761TK Eelde The Netherlands Phone: +31 (0)50 3096060 </div>	DATE: 30 april, 2018 A/C TSN: 163.9 Landings: HOBBS: 208.8
Airframe Entries <p>I hereby certify that this airframe has been inspected in accordance with annual inspection guide lines and was determined to be in airworthy condition. AD search thru Bi weekly issue 2018-9, no AD's applicable AD's found... Performed BASS Pressure Regulating Shut-Off Valve (PRSOV) Inspection, in accordance with AMM chapter 36-10... Performed Battery 1 Capacity Check in accordance with Concorde CMM 5-0171, Rev. P, 2 Nov 2015. Battery Passed with 91%... Performed Battery 2 Capacity in accordance with Concorde CMM 5-0171, Rev. P, 2 Nov 2015. Battery Passed with 93%... Performed Cabin Fire Extinguisher i.a.w. AMM Chapter 26-20... Performed Landing Gear Group Lubrication i.a.w. chapter 12.20.00... Viewed, cleared and saved Time Limited Dispatch Faults i.a.w. Williams LMM... Found aircraft already in compliance with SB5X-53-04, Aft Fuselage Drain Hole... Complied with SB5X-11-01 Exterior Placard Replacement... Performed SB5X-27-02 Push Rod Inspection, No discrepancies found... Already performed fuel system calibration on w/off 11051-08-2017 and therefore in compliance with SB5X-28-02... Complied with SB5X-79-01, replaced oil line... Complied with SB5X-91-01R1, Ground Block Inspection... Inspected aircraft i.a.w. SA17-12, Electrical Power, Crossover Diode, found satisfactory... Swapped transponder #1 and #2 positions i.a.w. perspective line maintenance manual, reloaded configuration. Checked system operation and found satisfactory... Replaced corroded sunvisor screws... Replaced screws in cabin access panels due to corrosion... Separated oxygen system i.a.w. AMM chapter 12. Filled bottle due to low pressure dispatch warning.</p> <p>Pertinent details of the repair are on file under Work Order No. 11564-04-2018, Dated 30 april, 2018.</p>			
<div style="display: flex; justify-content: space-between;"> <div> DATE: 30 april, 2018 SIGNED: H. Oosterveen GE8, License: 2588979A </div> <div style="text-align: center;">  </div> <div> Work Order: 11564-04-2018 Printed by EBis 3 (datcomedia.com) </div> </div>			
	MAKE: Cirrus MODEL: SF50 S/N: 0009 REG NO: N124MW WORK ORDER: 11620-05-2018	 <div style="display: inline-block; vertical-align: middle; margin-left: 10px;"> general enterprises Repair Station No. NL 145.1305/GNSY577X/NL.MG.8305 Machlaan 8A 9761TK Eelde The Netherlands Phone: +31 (0)50 3096060 </div>	DATE: 24 augustus, 2018 A/C TSN: 181.8 Landings: FLIGHTTIME: 181.8
Airframe Entries <p>Complied with SB5X-52-02, NLG Door Rod Inspection, inspected and found satisfactory... complied with SB5X-57-01, repaired cracks i.a.w. SB and AMM chapter 51... Performed SB5X-57-02 Side Brace Clip Testing. Found condition satisfactory... Complied with SB5X-57-03, Wing Alignment inspected and found satisfactory... Complied with SB5X-57-04, Fuel Line Chafing... Performed SB5X-71-02, Oil Chip Detector Disconnection... Complied with SB5X-71-03, Power Cable Pass Through... Complied with SB5X-90-03, CAPS Bay Moisture Inspection and Prevention... Complied with SB5X-90-05R1 Re-enabling of CAPS Autopilot Mode... complied with SB5X-90-06, CAPS T-Fairing Aft Seal, checked and found satisfactory... Installed new egress door trim to improved interior panel fit i.a.w. AMM chapter 25 and 52... Performed SB5X-53-01 Fuselage - Bearing Retainer Replacement. Replaced RH upper Drag Brace and LH NLG Trunnion Fuselage - Bearing Retainer... Replaced fuel flow meter i.a.w. AMM 73-20 rev.1. Out: p# 660534HS-00 s# 2311-1609. In: p# 660534HS-00 s# 2483-1705... Replaced emergency window trim panel... Repaired Egress Hatch Seal i.a.w. Cirrus FRA00011110... Complied with SB5X-30-02 Radome IPS Routing... Complied with SB5X-27-03 Pitch Trim Pulley Bracket Rivets, checked and found satisfactory... Complied with SB5X-53-04, Aft Fuselage Drain Hole, checked and found satisfactory... Resealed EGRESS window i.a.w. AMM 56-20 Rev. 1... Performed IFE installation i.a.w. cirrus document 70574.dnw. Updated weight and balance and updated POH. Performed operational inspection and found satisfactory... Performed SB5X-32-03, Brake System Update... Complied with SB5X-25-04, Crew Seat Height Adjustment Pin Inspection, checked and found satisfactory... Performed ALTERATION, HX CUTOFF SEALANT APPLICATION in accordance with FRA00008701C... Inspected ailerons i.a.w. FRA00010151, found aileron bolts correctly installed with bolt head on the upper side... Performed NLG DOOR CLEARANCE VERIFICATION in accordance with FRA00010282... Replaced cabin door seal and modified cabin doors i.a.w. FRA00009500... Complied with Williams service letter WISL-76-1000. Replaced trigger pin and adjusted to correct specifications i.a.w. LMM FJ33-5 revision 9... Checked for compliance with SB5X-90-02 and found in compliance... Performed SB5X-32-02R1, Brake Line Marking... Performed SB5X-42-01 CMC Software Installation... Replaced forward washer ROD ASSEMBLY, NLG DOOR, AFT i.a.w. AMM chapter 32/52... Checked and found aircraft in compliance with SB5X-31-02... Complied with SB5X-52-03 Egress Window Seal Inspection... Performed SB5X-52-05, Upper Cabin Door Gas Strut Replacement</p> <p>Pertinent details of the repair are on file under Work Order No. 11620-05-2018, Dated 24 augustus, 2018.</p>			
<div style="display: flex; justify-content: space-between;"> <div> DATE: 24 augustus, 2018 SIGNED: W. Harens GE11 Certified Repair Station No. NL 145.1305/GNSY577X/NL.MG.8305 </div> <div style="text-align: center;">  </div> <div> Work Order: 11620-05-2018 Printed by EBis 3 (datcomedia.com) </div> </div>			

MAINTENANCE RECORD

F.A.R 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DETAILS OF WORK PERFORMED AND APPROVED DATA USED	AUTHORIZED SIGNATURE AND CERTIFICATE NUMBER
04 Oct 2018	ATT 206.0	RMVD AoA SENSOR P/N: 32159-002, S/N: AS 12158415, and Replaced with P/N	
	HOBBS 259.2	32159-003 S/N AS07183819, CALIBRATED IAW FRA00011711, REMOVED	28219941A
		2. Replaced Step Articulation Cable P/N 34162-001	
		3. Serviced Oxygen System 4. Re-attached Rear Passenger Headset Jack to Interior Trim - NOTHING FOLLOWS -	

MAKE: Cirrus
MODEL: SF50
S/N: 0009
REG. NO: N124MMW
WORK ORDER:
112352-03-2019



Machlaan 6
9761TK Eelde The Netherlands
Phone: +31 (0)50 3096060

DATE: 26 april, 2019
A/C TSN: 250.4
Landings:
HOBBS: 313.2

Airframe Entries

complied with SB5X-21-04, Ram Air Duct Security... complied with SB5X-27-05, Pitch Trim Chain Lubrication... complied with Cirrus SB5X-32-06R1 Brake System Fittings Torque Inspection... complied with SB5X-33-01, Wire Harness Routing... Complied with FAA AD 2019-08-51 i.a.w Cirrus SB5X-34-03, Installed Improved AoA Sensor i.a.w. 50AMM TR 34-10-01 dated 19 april 2019. Installed P/N 32159-004, S/N AS03191300. Removed S/N AS07183819. Must perform test flight procedure before aircraft can be returned to service... complied with SB5X-55-07, Yaw Damper Drain Holes... Removed paint under AoA probe mating surface i.a.w. AMM-TR-34-10-01.

Pertinent details of the repair are on file under Work Order No. 112352-03-2019, Dated 26 april, 2019

DATE: 26 april, 2019

SIGNED:

H. Oosterveen GE8, A&P: 25889791A

Work Order: 112352-03-2019

Printed by EBis 3 (datcomedia.com)



Registration: N124MMW ASN: 0009
WO#: 112352-03-2019 Flt Time: 251.3

Performed required AoA calibration flight test in accordance with SF50 Production Acceptance Specification #90506.

Pilot: BONI CALDEIRA

Cirrus Authorized Flight Test Pilot

Signature: 

Date:

4/26/2019



Registration: N124MMW ASN: 0009
WO#: 112418-04-2019 Flt Time: 252.2

Performed required AoA calibration flight test in accordance with SF50 Production Acceptance Specification #90506.

Pilot: BONI CALDEIRA

Cirrus Authorized Flight Test Pilot

Signature: 

Date:

5-1-2019

MAKE: Cirrus
MODEL: SF50
S/N: 0009
REG. NO: N124MMW
WORK ORDER:
112418-04-2019



Machlaan 6
9761TK Eelde The Netherlands
Phone: +31 (0)50 3096060

DATE: 01 mei, 2019
A/C TSN: 251.3
Landings:
HOBBS: 314.4

Airframe Entries

installed new AoA sensor, p/n out 4677-03 mod1, serial out AS03191300.. P/n in: 4677-03 MOD: 01, S/n in: AS11187732 ; i.a.w. AMM TR 34-10-01.

DATE: 01 mei, 2019

SIGNED:

H. Oosterveen GE8, A&P: 25889791A

Work Order: 112418-04-2019

Printed by EBis 3 (datcomedia.com)

MAINTENANCE RECORD

F.A.R 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DETAILS OF WORK PERFORMED AND APPROVED DATA USED	AUTHORIZED SIGNATURE AND CERTIFICATE NUMBER
04 Oct 2018	ATT 206.0	RMVD AOA SENSOR P/N: 32159-002, S/N: AS 12158415, and Replaced with P/N	
	HOBS 259.2	32159-003 S/N AS07183919, CALIBRATED IAW FRA00011711, 259.2	2821994IA

MAKE: Cirrus
MODEL: SF50
S/N: 0009
REG. NO: N124MW
WORK ORDER:
112139-11-2018



Machlean 6
9761TK Eelde The Netherlands
Phone: +31 (0)50 3096060

DATE: 21 maart, 2019
A/C TSN: 246.7
Landings:
HOBS: 308.2

Airframe Entries

MAKE: Cirrus
MODEL: SF50
S/N: 0009
REG. NO: N124MW
WORK ORDER:
112352-03-2019

Airframe Entries

complied with SB5X-53-06R1, Cabin Modifications for Water Discharge... Replaced RH sunvisor blade i.a.w. AMM chapter 25-10... Replaced egress window handle trim panel... Replaced copilot mic relay socket i.a.w. AMM chapter 23... complied with SB5X-25-02R1, Crew Seat Track Guides... complied with SB5X-21-03, Air Conditioning Compressor Electrical Power Input Ports Inspection... complied with SB5X-32-05R1, Side Brace Hardware Installation... complied with SB5X-57-05, Wing Skin Drain Hole... Performed Cabin Fire Extinguisher Check i.a.w. AMM chapter 26.20.00... complied with SB5X-25-03R1, Armrest Installation... Replaced missing cam lock AOA vane cover... Replaced LH& RH worn Brake pads i.a.w. AMM 32.42... I certify that this aircraft has been inspected in accordance with annual inspection, Cirrus Design Maintenance manual P/N: 31448-001 Rev.2 dated: 3-12-2018 and was determined to be in airworthy condition. AD search thru bi weekly 2019-06; no applicable AD's on airframe or engine found... Performed Landing Gear Group Lubrication, in accordance with chapter 12.20.00... Performed Sampling Hydraulic Fluid Test, in accordance with SF50 AMM 31448-001 Rev. Rev 2... Performed ADC 1 Altimeter Inspection i.a.w. FAA CFR 14 CFR 91.411... Performed ADC 2 Altimeter Inspection i.a.w. FAA CFR 14 CFR 91.411... Performed MID302 Standby Attitude Module Test i.a.w. FAA CFR 14 CFR 91.411... Performed Battery 1 Capacity Check (P# 30070-002, S# 40837247), in accordance with SF50 AMM 31448-001 Rev. Rev 2... Performed Battery 2 Capacity Check (P# RG24-15M), in accordance with chapter 24.30.00... Performed FJ33-5A Check A Inspection i.a.w. Williams LMM FJ33-5A 111343-201 Rev. 11... Performed GMMU 44 Magnetometer Calibration i.a.w. AMM 34-20 Rev. 2... Performed GTX 1 Transponder Inspection i.a.w. FAA CFR 14 CFR 91.413... Performed GTX 2 Transponder Inspection i.a.w. FAA CFR 14 CFR 91.413... Performed IPS Fluid Outlet Strainer i.a.w. AMM chapter 30-40... Performed View, clear and safe Time Limited Dispatch Faults Inspection i.a.w. Williams LMM FJ33-5A 111343-201 Rev. 11... Performed SB5X-27-04R1, Pitch Trim Hinge Lubrication

Pertinent details:

DATE: 26 apr

DATE: 21 maart, 2019

SIGNED:

H. Oosterveen GE8, A&P: 2588791A

Work Order: 112139-11-2018

Printed by EBIS 3 (datcomedia.com)



Registration: N124MW ASN: 0009
WO#: 112352-03-2019 Flt Time: 251.3

Performed required AOA calibration flight test in accordance with SF50 Production Acceptance Specification #90506.

Pilot: BONI CALDEIRA Cirrus Authorized Flight Test Pilot
Signature: [Signature] Date: 4/26/2019



Registration: N124MW ASN: 0009
WO#: 112418-04-2019 Flt Time: 252.2

Performed required AOA calibration flight test in accordance with SF50 Production Acceptance Specification #90506.

Pilot: BONI CALDEIRA Cirrus Authorized Flight Test Pilot
Signature: [Signature] Date: 5-1-2019

MAKE: Cirrus
MODEL: SF50
S/N: 0009
REG. NO: N124MW
WORK ORDER:
112418-04-2019



Machlean 6
9761TK Eelde The Netherlands
Phone: +31 (0)50 3096060

DATE: 01 mei, 2019
A/C TSN: 251.3
Landings:
HOBS: 314.4

Airframe Entries

installed new AoA sensor, p/n out 4677-03 mod1, serial out AS03191300.. P/n in: 4677-03 MOD: 01, S/n in: AS11187732; i.a.w. AMM_TR_34-10-01.

DATE: 01 mei, 2019

SIGNED:

H. Oosterveen GE8, A&P: 2588791A

Work Order: 112418-04-2019

Printed by EBIS 3 (datcomedia.com)

MAINTENANCE RECORD

F.A.R 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DETAILS OF WORK PERFORMED AND APPROVED DATA USED	AUTHORIZED SIGNATURE AND CERTIFICATE NUMBER
17. May. 2018	ATT: 257:3 H666: 321.5	LH MLG tire replaced by new part i.e. w. Cirrus SF 50 AML, chapter: 32-41, Rev.: 2, 3 Dec. 2018, PIN ²⁸¹⁰⁴ 185 F83G1, SN off: 51572513, SN nom: 60152472. Air-Service Basel GmbH WD Nr.: A0110, Item: 1/1.	Air Service Basel GmbH, V40X551B PAUL BILLINGTON ATP 2462520 P. Billington

15 OCT 2018	ATT: 248.9
	HOURS: 3712

AIRCRAFT - Release to Service
after Maintenance, Preventive Maintenance, Rebuilding and Alteration

type/model:	Cirrus SF50
S/N:	0009
a/c reg.:	N124MR
TSN	298.9
Landings	NA
HOBBS	371.2
ASB w/o:	190243

ALL CERTIFICATES AND PERTINENT DETAILS ARE ON FILE UNDER ABOVE MENTIONED ASB WORKORDER NUMBER

airservicebasel

South West Maintenance Area
P.O. Box
CH-4030 Basel Airport
Phone: +41 61 5673700
Fax: +41 61 5673701

[illegible]

Constitutes the approval for return to service of the work performed.

Date performed: 15-OCT-2019

Air Service Basel GmbH
FAA Repair Station Approval Ref.: V4QY551B

performed by: (Name & Stamp)

24.

Pirmin Schärli
CH.66.304449
Air Service Basel

approved by: (Name & Stamp)

Paul Billington
Air Service Basel

A+P 2462520

Signature: _____

P. B. Bly

MAINTENANCE RECORD

F.A.R 43.9

AIRCRAFT - Release to Service
after Maintenance, Preventive Maintenance, Rebuilding and Alteration

type/model:	Cirrus SF50
S/N:	0009
a/c reg.:	N124MR
TSN	343.0
Landings	N/A
HOBBS	428.6
ASB w/o:	200048

airservicebasel

South West Maintenance Area
P.O. Box
CH-4030 Basel Airport
Phone: +41 61 5673700
Fax: +41 61 5673701

ND

ALL CERTIFICATES AND PERTINENT DETAILS ARE ON FILE UNDER ABOVE MENTIONED ASB WORKORDER NUMBER

TASK	DESCRIPTION OF WORK PERFORMED
1/1	C/W SB 5X-23-03 AUDIO INTEGRATING - DISABLE NON-ESSENTIAL 3.5MM AUDIO AND MICROPHONE JACKS
1/2	C/W SB 5X-31-05 INSTRUMENT AND CONTROL PANELS - COLLAR CIRCUIT BREAKERS

Constitutes the approval for return to service of the work performed.

Date performed: 10-Feb-20

Air Service Basel GmbH
FAA Repair Station Approval Ref.: V4QY551B

performed by: (Name & Stamp)
MONA FREDERIC

Frédéric Mona
Air Service Basel

approved by: (Name & Stamp)
MARTIN WIELAND

Martin Wieland
FOCA-1633
Air Service Basel

Signature: 

AUGUST 11, 2020

Flight: 430, 1

ENGINE MODEL (#1):
FJ33-5A
ENGINE S/N (#1): 233612
REG. NO: N124MR
WORK ORDER:
113395-08-2020



Machlaan 6
9761TK Eelde The Netherlands
Phone: +31 (0)50 3096060

DATE: 11 augustus, 2020
Airframe TT: 430.1
ENG TT (#1): 430.1
ENG TC (#1): 226
ENG TCSD (#1): 150
FLIGHTTIME: 430.1

Log Entries

Performed electrical bonding test iaw Cirrus AMM 51-80 and forward to Cirrus for evaluation...TCAS FAIL comes ON in flight, stay's until landing. Normally comes on after 15 - 30 minutes flight time; not verified on ground; under investigation...Performed ECS ECU download i.a.w. OEM instructions...Performed ECS ECU download i.a.w. OEM instructions...Performed FADEC download i.a.w. CH 73-26-01 and sent to William for evaluation. Performed in compliance with Williams support and SUBTASK 71-00-00-810-050 step G, resistance measurements at the FCU J11 & J12 Connector, all measurements were within specs. Cleared FADEC faults and performed high power check TASK 71-00-00-760-871. Found no active faults, and system is satisfactory...Performed Cirrus SB5X-31-07R2, Reset Circuit Breakers. Found P32 connector at RH aft lower panel pins not inserted, repaired connector and found satisfactory.

Pertinent details of the repair are on file under Work Order No. 113395-08-2020, Dated 11 augustus, 2020 at this Certified Repair Station # GNSY577X


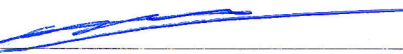
DATE: 11 augustus, 2020

SIGNED:

J. Koops GE7, License: 26448651A

Work Order: 113395-08-2020

Printed by EBis 3 (datcomedia.com)

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DETAILS OF WORK PERFORMED AND APPROVED DATA USED	AUTHORIZED SIGNATURE AND CERTIFICATE NUMBER
	MAKE: Cirrus MODEL: SF50 S/N: 0009 REG. NO: N124MR WORK ORDER: 112952-01-2020	 <div style="display: flex; justify-content: space-between;"> <div> Repair Station No. NL 145.1305/GNSY577X/NL MG 8305 Machaan 6 9761TK Eelde The Netherlands Phone: +31 (0)50 3096060 </div> <div> DATE: 08 oktober, 2020 A/C TSN: 454.7 Landings: FLIGHTTIME: 454.7 </div> </div>	
	Airframe Entries		
	<p>Performed Annual inspection in accordance with Cirrus Design Maintenance manual P/N: 31448-001 Rev.3 dated: 30-7-2019, Performed AD search true biweekly 2020-20. Found all applicable AD's previously complied with...Performed Cabin Fire Extinguisher Check i.a.w. chapter 26.20.00...Performed Sampling Hydraulic Fluid Test i.a.w. AMM chapter 12...Performed Temperature Control Valve Assembly Test i.a.w. AMM chapter 36-10...Performed Windshield/Radome Sprayer Functional Test i.a.w. AMM chapter 30-40...Performed Air Conditioning Compressor Electrical Power Input Ports Inspection i.a.w. Cirrus SB SB5X-21-03 Rev. original, checked and found voltage and resistance satisfactory...Performed SB SB5X-90-07, Found CAPS cover tape peeling, performed leak test and found leak at forward seam of caps cover re-applied caps cover tape i.a.w. SB-90-03 as instructed by field service...Performed Crew Oxygen Mask Inspection i.a.w. AMM chapter 35-10...Performed Fire Bottle TCPS Functional test i.a.w. AMM chapter 26-20...Performed Landing Gear Alternate Extension System Test i.a.w. AMM chapter 32-30...Performed Passenger Oxygen Mask Inspection i.a.w. AMM chapter 35-20...Performed Primary FCV Check Valve Operational Test i.a.w. AMM chapter 28-20...Performed Alternator (GEN 2) Brushes replacement i.a.w. Hartzell Owners Manual P/N ES1032 ES1032 Rev. Original...Bass PRSOV in backorder, performed functional check and found satisfactory i.a.w. AMM chapter 36-10...Performed Engine Inlet PRSOV Operational Test Inspection i.a.w. AMM chapter 30-20...Performed Engine Heated Inlet Assembly Barrel & Lipskin Inspection i.a.w. chapter 30.20.00...Performed engine Inlet Piccolo Tube Gasket Inspection i.a.w. AMM 30.20.00...Complied with SB5X-80-01, RH Forward NACA Duct for Starter/Generator (GEN 1) Replacement...Complied with SB5X-21-06, IPS Cooling Tube Drain Hole...Performed SB5X-22-01, Servo Bracket Mounting Hardware Inspection, found bolts securing roll trim servo and yaw sas servo bracket to be under torqued...Complied with SB5X-24-05, Engine Compartment Ducting replacement...Complied with SB5X-25-09R1 group B, Passenger XC Seat Rivet Inspection and Hardware Replacement...Performed SB5X-27-06, Side Stick Gusset Seal Inspection...Performed SB5X-27-07, RH Side Stick Inspection...Performed SB5X-28-05, Fuel Quantity Sensor Adjustment. Adjusted RH sensor, LH sensor OK...Complied with SB5X-35-02R1 true normal maintenance inspection...Performed SB5X-42-05, AHRS Alignment and GMMU Calibration...Complied with SB5X-53-13R1, Wing Attach Bulkhead Core Seal...Only performed step F from SB5X-54-01R1, due to lack of parts...Performed SB5X-55-09 Torque Tube Mount and Stabilizer Spar Caps Inspection...Replaced Com#1 antenna i.a.w. AMM chapter 23-10...Replaced crew reading light i.a.w. chapter 33-10...Checked TCAS assert logs for faults, checked antenna cables and proper VSWR, found J2 of top antenna cable intermittend. Replaced TNC connector at top antenna i.a.w. WDM chapter 34.41, Rev B2...Performed replacement of the Condenser blower i.a.w. AMM chapter 21-50. (Drier out: p/n 36735-109, s/n 1-21035-4, Drier in: p/n 36735-109 s/n 1-C63109-11, Blower out: p/n 30866-501 s/n 1-C31274-1, Blower in: p/n 30866-501 s/n 1-A878870-1)...Performed SB5X-27-08, Sealed Pitch Trim Pushrods...Performed painting of the naca scoop i.a.w. AMM chapter 51-20...Performed replacement of the fuel control unit i.a.w. Williams LMM FJ33-5A Rev.18 chapter 73-19-02. FCU OUT: p/n 126081-A s/n CL5ATW1112, FCU IN: p/n: 126081-A s/n CL4ATW1021. Performed all required post installation checksTest and found satisfactory...Replaced brake pads on both sides i.a.w 32-42...Replaced both MLG tires i.a.w Beringer MM-ETSO-004...Tightened rudder pedal bolts i.a.w. chapter 27-20...Performed replacement of the pitch trim pressure seal o-ring i.a.w AMM chapter 27-30...Replaced lower entry door cables due to worn condition i.a.w. AMM chapter 52-10...adjusted baggage door proximity switch and performed functional test i.a.w. AMM chapter 52-30...Replenished oxygen i.a.w. AMM chapter 12-10</p>		
	DATE: 08 oktober, 2020 SIGNED:  W. Harms GE11 Certified Repair Station No. NL 145.1305/GNSY577X/NL MG 8305	Work Order: 112952-01-2020 Printed by EBis 3 (datcomedia.com)	

Airframe Entries

- (2) Performed research of the aircraft logbooks for applicable Airworthiness Directives through bi-weekly 2020-25.
- (3) Performed research of the aircraft records for any mandatory service bulletins.
- (6) Removed Air Conditioner Compressor P/N 36734-005 S/N off 1-C39704-1 and Installed new A/C compressor P/N 40310-001 S/N 1-C62097-1 IAW FRA00011854 WATER RESISTANT ENCLOSURE COMPRESSOR. Operational check good.
- (7) Completed FRA00011873 Paint cracking repair.
- (8) Removed and Replaced CAPS Cover P/N 39728-004 with new. Original Parachute (S/N 0024) still installed. All work done IAW FRA00012649C (No further action required for **SB5X-90-07**).
- (9) Complied with FRA00015841 Windscreen Beam and Nose Bulkhead Nutplate Repair.
- (10) Complied with FRA00015612 Ruddervator Loctite Application.
- (11) Complied with FRA00015865 Up Size CAPs Cover Fasteners.
- (13) Replaced all windows with Gold window upgrade. Removed P/N 35884-001 S/N 10231, P/N 35885-002 S/N 10237, P/N 35330-002 S/N 10031, P/N 35331-002 S/N 10041, P/N 35332-002 S/N 10052, P/N 35333-002 S/N 10106, P/N 35334-002 S/N 10024, P/N 35335-002 S/N 10038 and replaced with new P/N 35884-002 S/N 10231, P/N 35885-002 S/N 10237, P/N 35330-002 S/N 10203, P/N 35331-002 S/N 10190, P/N 35332-002 S/N 10207, P/N 35333-002 S/N 10198, P/N 35334-002 S/N 10213, P/N 35335-002 S/N 10214. All work done IAW FRA00014011. Leak check satisfactory.
- (14) AD2020-03-50 previously complied with by completion of **SB5X-23-03** Disable Non-Essential 3.5mm Audio and Microphone Jacks.
- (15) Complied with **SB5X-08-01** Airplane Weighing.
- (16) Verified by visual inspection **SB5X-21-02** Air Conditioning Compressor Bolts Inspection has been previously complied with.
- (17) Verified by visual inspection **SB5X-24-01** Bat 1 Power cable Installation has been previously complied with.
- (18) Verified by visual inspection **SB5X-24-02R1** CAPS Ground Strap Inspection has been previously complied with.
- (19) Verified by visual inspection **SB5X-24-03** Generator 1 Cable Chafing Protection Installation has been previously complied with.
- (20) Complied with **SB5X-24-04** Generator 1 Cable Chafing Protection.
- (21) Verified by visual inspection **SB5X-25-01** Crew Seat Inspection and Lubrication has been previously complied with.
- (22) Verified by visual inspection **SB5X-25-02R2** Crew Seat Track Guides Replacement has been complied with.
- (23) Verified by visual inspection **SB5X-25-05** Removal of Passenger Seat Locking Plate has been previously complied with.
- (25) Verified by visual inspection **SB5X-27-04R1** Pitch Trim System Lubrication has been previously complied with.
- (26) Verified by visual inspection **SB5X-28-03** Fuel Control Valve has been previously complied with. Primary FCV P/N 26327-009 S/N- 0151, Secondary FCV P/N 26327-010 S/N 0214 currently installed.
- (27) Verified by visual inspection **SB5X-28-04** Ejector Fuel Pump Assembly Inspection has been previously complied with.
- (29) Verified by visual inspection **SB5X-32-05R1** Side Brace Hardware Installation has previously been complied with.
- (30) Verified by visual inspection **SB5X-32-08R2** Banjo Bleeder Bolt Installation has been previously complied with.
- (32) Verified by visual inspection **SB5X-34-02** Pitot Line Chafe Protection has been previously complied with.
- (33) Verified by visual inspection **SB5X-34-04** Improved Static Line Installation has been previously complied with.
- (34) Complied with **SB5X-35-01R1** Addressing Contamination of Oxygen Lines, Fittings, and Components. Installed kit P/N 70593-001. P/N 32800-001 S/N off 0307 S/N on 0848, P/N 32803-001 S/N off D15120006 S/N on D18030799. P/N 32803-001 S/N off D15120001 S/N on D18030809, P/N 32838-001 S/N off D15120098 S/N on D20041324, P/N 32838-001 S/N off D15080567 S/N on D20041324, P/N 36178-001 S/N off 0362 S/N on R20080341, P/N 32828-001 S/N off B105838 S/N on B142802, P/N 32828-001 S/N off B105842 S/N on B138278.
- (35) Verified by visual inspection **SB5X-36-01** Temperature Control Valve Assembly Replacement has previously been complied with. TCV assembly P/N 30863-601 S/N 1-A514780-1 currently installed.
- (37) Verified by visual inspection **SB5X-42-03R2** S/W Update v1986.B2 with FlightStream Installation has previously been complied with.
- (38) Verified by visual inspection **SB5X-52-06** Cabin Door Hardware Inspection has been previously complied with.
- (39) Verified by visual inspection **SB5X-52-09R1** Egress Window Handle Hardware has been previously complied with.
- (40) Verified by visual inspection **SB5X-53-03** Aft Engine Bulkhead Alteration and Duct Retention was previously complied with.
- (41) Verified by visual inspection **SB5X-53-06** Cabin Modifications for Water Discharge has been previously complied with.
- (42) Verified by visual inspection **SB5X-53-09** Firewall Hardware Sealant Application has been previously complied with.
- (43) Verified by visual inspection **SB5X-53-10R1** Water Ingress Prevention has been previously complied with.
- (44) Complied with **SB5X-53-11** Aft Wing Body Fairing Bonding Flange Inspection.
- (47) Complied with **SB5X-55-08** Bearing Inspection and Replacement.
- (48) Verified by visual inspection **SB5X-57-05** Wing Skin Drain Hole has been previously complied with.
- (49) Complied with **SB5X-57-06R1** Aileron Modification, Improved Down Spring, and Gust Lock.
- (50) Verified by visual inspection **SB5X-57-07R1** Flap Inspection has previously been complied with.
- (51) Complied with **SB5X-57-08** Wing Skin Bond.
- (52) Verified by visual inspection **SB5X-90-04** CAPS Autopilot Mode Deactivation was previously complied with.
- (53) Complied with **SB5X-91-02** Aft Wire Harness Inspection.
- (54) Resealed CAPs Strap Cover FWD edges with sealant IAW SF50 AMM 51-70 and standard maintenance practices.
- (55) Performed repair of ECF on RH FWD CAPs flange IAW SF50 AMM 51-20 and 51-70.
- (56) Blended, primed and painted LE areas of RH MLG IAW Triumph CMM TS00932-7000/8000.
- (57) Sanded, prepped and touched up the lower portion of the LH and RH flaps IAW CDC SF50 AMM 51-30 and standard maintenance practices.
- (58) Replaced LH and RH Flap Rub Strip P/N 51168-002 with new IAW CDC SF50 AMM 57-50 and standard maintenance practices.
- (60) Replaced ECS Control Panel P/N 33963-005 with new. S/N installed 0317, S/N removed 0127. All work done IAW CDC SF50 AMM 21-60. Ops checked good.
- (62) Replaced Engine IPS Valve P/N 30064-004 with Overhauled Unit. S/N installed 1262, S/N removed 0021. All work done IAW CDC SF50 AMM 30-20. Ops and leak checked good.
- (66) Replaced Generator #2 V-Band Clamp P/N 30096-201 with new IAW CDC SF50 AMM 24-30.
- (67) Replaced Cabin Door Handle Assy P/N 32417-003 with new IAW AMM Chapter 52-10.
- (73) Replaced Baggage and Cabin Door Locks P/N 34595-003 Key Code (33AA) with new IAW CDC SF50 AMM 52-30 and 52-10.
- (74) Replaced Cabin Door Mid Seal P/N 34677-001 with new IAW CDC SF50 AMM 52-10. Ops and leak checked good.
- (75) Replaced Baggage Door Handle P/N 34372-002 with new IAW CDC SF50 AMM 52-30.
- (78) Removed and Reinstalled both Engine Fire Bottle Assemblies for inspection IAW CDC SF50 AMM 26-20. Ops checked good.
- (83) Removed and reinstalled LH and RH Ruddervator Trim Tab Pushrods IAW CDC SF50 AMM 55-20. Ops checked good.
- (86) Replaced Static Line P/N 52483-001 between static ports with new IAW CDC SF50 AMM 34-10. Leak check good.
- (87) Replaced CPCS Controller P/N 31112-003 with new. S/N installed- 00231, S/N removed- 00132. All work done IAW CDC SF50 AMM 21-30. Ops and leak checked good.

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

DATE: 12/18/2020

SIGNED: 

Ben Zemaitis
Certified Repair Station No. YD5R855Y

Work Order: DLH20049-09-2020

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NATURE AND
NUMBER

MAINTENANCE RECORD

F.A.R 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DETAILS OF WORK PERFORMED AND APPROVED DATA USED	AUTHORIZED SIGNATURE AND CERTIFICATE NUMBER
	MAKE: CIRRUS DESIGN CORP MODEL: SF50 S/N: 0009 REG NO: N124MR WORK ORDER: DLH20191-12-2020	<div style="display: flex; align-items: center;"> <div> CIRRUS Cirrus Design Factory Service Center Repair Station No. YD5R855Y 4961 Airport Road Duluth, MN 55811 Phone: 218-788-3049 </div> </div>	DATE: 1/6/2021 A/C TSN: 481.5 Landings: FLIGHTTIME: 481.5
	Airframe Entries (2) Performed research of the aircraft logbooks for applicable Airworthiness Directives through bi-weekly 2020-26. (3) Performed research of the aircraft records for any mandatory service bulletins. (9) Replaced Upper Cabin Door Strut P/N 34631-005 and Lower Cabin Door Strut P/N 37125-001 with new IAW SF50 AMM 52-10. Ops checked good. (11) Replaced ECS ECU Controller P/N 30862-008 with new. S/N installed- 1-E312635-2, S/N removed- 1-C30038-1. All work done IAW SF50 CDC AMM 21-60. Ops checked good. (15) Replaced Upper Transponder BNC Connector P/N 54333-001 IAW Cirrus SF-50 WM 20-10. Ops checked good. (17) Replaced RH Vortex Generator P/N 34701-006 with new IAW FRA00015986. (18) Replaced RH OB Aileron Static Wick P/N- 32738-001 IAW Cirrus SF-50 AMM 57-50. (19) Verified by visual inspection that SB5X-31-01 Wiring Restraint was previously complied with. (20) Complied with SB5X-31-04R1 Recoverable Data Module (RDM) Inspection. Ops checked good. (21) Verified by visual inspection that SB5X-52-08 Baggage Door Water Ingress Prevention has previously been complied with. (22) Complied with SB5X-90-02R1 CAPS Bay Moisture Inspection and Prevention.		
	I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of this work order are on file at this Certified Repair Station CRS YD5R855Y.		
	DATE: 1/6/2021 SIGNED: Ben Zemaitis Certified Repair Station No. YD5R855Y	Work Order: DLH20191-12-2020 Printed by EBis 3 (datcomedia.com)	

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N313BN **Cirrus** **SF50** **S/N: 0009** **Total Airframe Time: 0507.5**
23 March 2021 **Flight Hobbs: 0507.5** **Hobbs: 0631.5**

Acquired new Airworthiness Certificate due to registration number change from N124MR to N313BN. Fuselage applied N Numbers were previously replaced. Changed registration number information in the Perspective Avionics System as needed. ELT Dongle, P/N: SS1820514-08, S/N: LX1100211118, sent to Mid Continent Instruments for inspection and reprogramming of registration number information. Reference 8130-3 dated 22 Mar 2021, WO 200988326. Secured lower antenna coax on #2 transponder radio tray. Reloaded #1 and #2 Transponder software. Applied fusion tape to chafed wire insulation at the fuel flow transducer and applied RTV between wiring and firewall as an anti-chafe. Trimmed forward interface area of cabin door middle (horizontal) seal. Applied foam seal to upper area of cabin threshold at headliner. Updated Obstacle and Chart View databases as needed. Secured forward passenger seat pedestal covers to flooring. **Complied with Cirrus SB 5X-77-02 (PT2 Tube Drain Hole)** by installation of new PT2 reference tube, P/N: 28694-002. Ground run operational check of aircraft systems satisfactory.

L. John Wells A&P 3221132 w/o 42076

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N313BN**Cirrus****SF50****S/N: 0009****Total Airframe Time: 0555.2****01 November 2021****Flight Hobbs: 0555.2****Hobbs: 0690.8**

100 Hour/Annual Inspection completed this date using the Cirrus SF50 Maintenance Manual Inspection Form. Completed **JetStream 500 Hour Vision Check IV Interval Service** using the Cirrus Jetstream Maintenance Inspection form as a guide. Inspected / Tested Kannad AF Integra ELT system according to applicable Aircraft and ELT manufacturer's instructions and found that it meets the requirement of section 91.207(d). No defect noted, Beacon Test Report No. BT100AVtriple/3195/N313BN dated 10/12/2021 on file. **ELT battery due January 2026.** Changed ELT data plate to match N-number after verified correct 15 HEX ID. Performed #2 aircraft battery capacity test, test at 56%. Charged and reconditioned battery, capacity test at 87%. Serviced oxygen system. Placed new AFM P/N: 31452-001 in aircraft. Completed 24 Month Magnetometer calibrations, all readings are found to be within limits. **Next calibrations due November 2023.** Inspected cabin fire extinguisher for condition and security and performed cabin fire extinguisher weight check. Removed bolster switch panel P/N: 41460-001, S/N: 0005 and installed new panel S/N: 00522. Removed BASS PRSOV P/N: 5918-00-6, S/N: 0102 and installed overhauled unit S/N: 0066, overhauled by AeroControlex Group, Inc., CRS # A34R423J, reference 8130-3 dated 15 July 2021, WO #1102129/MR62860. Installed new nut on Audio 3.5mm jack on right aft side trim. Installed new baggage door seal. Lubricated crew seat rails as needed. Secured right cup holder LED lighting strip. Installed one new screw in pilot's left aft seat stop. Secured pilot kick panel, left aft standoff and aft right interior panel standoff. Adjusted pitch bridle, pitch trim forward and aft cable tension and yaw primary, yaw bridle cable tension and roll bridle cable tensions as needed. Adjusted position of grounding tab on left main landing gear. Cleaned TKS strainer screen, no defects noted. Adjusted upper cabin door panel to prevent aft door indicator from catching. Secured rear cabin air duct. Installed new upper cabin door gas strut P/N: 34631-006. Installed new lower cabin door gas strut P/N: 38726-001. Installed new IPS heat tube clamp insulation. Secured traffic antenna coax cables in aft bay. Complied with **Cirrus SB 5X-11-02 (Takeoff Trim Placards)** by installing placards on ruddervator. Complied with **Cirrus SB 5X-23-04 (Enable 3.5MM Jacks)** by installation of new circuit cards and labeling of wiring harness as listed in Service Bulletin. Labeling of harness jacks in headliner and center console not completed at this time. Complied with **Cirrus SB 5X-25-14 (Interior Trim)** by securing interior side panel middle trim strips using new Dual Lock as per Service Bulletin guidelines. Complied with **Cirrus SB 5X-24-08 (MCU Connector Inspection)** by verifying security of forward and aft MCU connector backplate screws and application of sealant over recesses. No loose or missing screws noted. Complied with **Cirrus SB 5X-24-09 (115 VAC Wiring Modification)** per service bulletin instructions, operational check good. Complied with **Cirrus SB 5X-36-02 (PRSOV Adhered Nutplate Backing Plate)** by application of RTV to BASS PRSOV nut plate bracket and seal. AD's checked through Biweekly 2021-22. Cleaned aircraft and vacuumed interior. Cleaned and conditioned surface deice boots. Post inspection ground run-up and systems operational check good. **I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.**

L. John Wells A&P 3221132 IA

w/o 42724

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N313BN**Cirrus****SF50****S/N: 0009****Total Airframe Time: 0579.7****08 March 2022****Flight Hobbs: 0579.7****Hobbs: 0721.2**

Completed **Cirrus JetStream 300 Hour Vision Check III** Interval service. Download FADEC data. Unable to download CMC data at this time. Inspected landing gear and engine. **Complied with Cirrus SB 5X-28-06R1 (Fuel Control Valve Replacement)** by removal of #1 Fuel Control Valve, P/N: 26327-009, S/N: 0151, and #2 Fuel Control Valve, P/N: 26327-010, S/N: 0214. Installed overhauled / exchange units, #1 FCV P/N: 26327-011S, S/N: 0084, as overhauled by RAM Manufacturing Company, Inc, CRS# 9UTR707C, reference 8130-3 dated 17 Feb 2022, wo 207440-01, and #2 FCV P/N: 26327-012S, S/N: 0126, no 8130-3 provided. **Complied with Cirrus SB 5X-34-08 (Static Line Routing)** by inspection of static lines. No moisture found in lines. Secured static lines adjacent to right port to ensure positive downward slope of static lines. Static lines at right port found to exceed minimum slant angle. Ground run operational and leak checks satisfactory.

L. John Wells A&P 3221132

w/o 43128


INSPECTION RECORD

F.A.R 43.11 – 91.409

[illegible]

INSPECTION RECORD

F.A.R 43.11 – 91.409

DATE OF INSPECTION	AIRCRAFT TIME IN SERVICE	DETAILS OF INSPECTION STATUS, RESULTS AND RETURN TO SERVICE NOTES	AUTHORIZED SIGNATURE AND CERTIFICATE NUMBER
MAKE: Cirrus MODEL: SF50 S/N: 0009 REG. NO: N124MW WORK ORDER: 10847-06-2017	 General Enterprises b.v. Machlaan 8A 9761TK Eelde The Netherlands Phone: +31-50-3096060	DATE: 24 augustus, 2017 AVC TSN: 96.8 Landings: FLIGHTTIME: 96.8	
Airframe Entries			
<p>I hereby certify that this airframe has been inspected in accordance with 100 hrs inspection guide lines and was determined to be in airworthy condition in accordance with AMM P/N: 31448-001 ORIGINAL ISSUE 21 Dec 2016...]. Performed repair deviation FRA00008893 MOVE LANDING & ANTI-COLL LIGHTS TO ESS BUS. Performed operational inspection and found satisfactory...]. Removed MFD/PFD checklist and installed latest version as per cirrus specified instructions. Updated from Rev. G to Rev. H...]. Complied with SB5X-30-01. Inspected engine intake piccolo tube in accordance with Meggitt Polymers & Composites Technical Bulletin Form TB066. Found piccolo tube condition satisfactory...]. Replaced inverter i.a.w. AMM 24-50 Original Issue due to 115Volt power sockets failure...]. Replaced airco compressor due unserviceable condition i.a.w. AMM 21-50 Original Issue. Out: p# 36734-005 s# 1-C35829-3. In: p# 36734-005 s# 1-C39704-1. Performed operational inspection and found satisfactory...]. Replaced fuel flow sensor due to fault CAS, tested and found satisfactory i.a.w. AMM 73-20 Original Issue. Out: p# 660534HS-00 s# 2278. In: p# 660534HS-00 s# 2311...]. Inspected pilot seat and found wrong size clevis pin installed, replaced clevis pin, checked seat locking mechanism cable tensions i.a.w. AMM chapter 25. and found satisfactory...]. Performed caps bay inspection i.a.w. manufacturers instruction and found satisfactory...]. Repainted air louvers on the left engine cowling in accordance with AMM 51-30...]. Found ADC #1 mounting screws can't be tighten enough to lock the ADC, cleaned screw and nut treads, secured ADC#1 and found satisfactory...]. Replaced damaged pin in Pilot Ground Bus P5047 connector...]. Tightened right landing gear Door Connection Rod i.a.w. AMM 32-10...]. Checked FADEC i.a.w. SA17-01, found satisfactory...]. Inspected aircraft i.a.w. SB5X-71-01 and found engine drag links properly installed...]. Replaced upper PT2 drain tube assembly i.a.w. SB5X-77-01...]. Performed FADEC trouble shooting i.a.w. Williams LMM. Flipped FADEC/ECU i.a.w. 71-00-00-810-877. Performed bonding check and operational test, found satisfactory. Refer to WISL-71-1022.</p>			
DATE: 24 augustus, 2017	SIGNED: H. Oosterveen GE8, A&P: 25888791A	Work Order: 10847-06-2017 Printed by EBis 3 (datcomedia.com)	
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