

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



# AIRCRAFT DESCRIPTION

MANUFACTURER CIRRUS DESIGN CORP. MODEL SR-20 DATE OF MFG. JAN, 07  
 SERIAL NUMBER 1772 REGISTRATION NUMBER NG47MD

REGISTERED OWNER \_\_\_\_\_  
 STREET ADDRESS \_\_\_\_\_  
 CITY, STATE, ZIP \_\_\_\_\_  
 OPERATOR \_\_\_\_\_  
 STREET ADDRESS \_\_\_\_\_  
 CITY, STATE, ZIP \_\_\_\_\_  
 REGISTERED OWNER \_\_\_\_\_  
 STREET ADDRESS \_\_\_\_\_  
 CITY, STATE, ZIP \_\_\_\_\_  
 OPERATOR \_\_\_\_\_  
 STREET ADDRESS \_\_\_\_\_  
 CITY, STATE, ZIP \_\_\_\_\_

## Inspection Status

[Check one]

F.A.R. 91.409 ANNUAL/100 HOUR

F.A.R. 91.409 PROGRESSIVE

F.A.R. 135.419 A.T.C.O.

OTHER

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

### MAINTENANCE RESPONSIBILITY

\_\_\_\_\_  
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# INSTALLED EQUIPMENT

ITEM	MANUFACTURER	MODEL	SERIAL NO.
ENGINE	TELEDYNE CONTINENTAL MOTORS	IO-360	R 360319
ENGINE			L
ENGINE			R
ENGINE			L
PROPELLER	HARTZELL PROPELLER INC.	PHC-13YF-1R	FP5374B
PROPELLER			
ENGINE			
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PROPELLER			
PROPELLER			

1





# LIFE LIMITED PARTS OR OVERHAUL REQUIREMENTS

NAME OF PART	PART NUMBER	SERIAL NUMBER	INSTALLATION DATE/HOURS	TIME ON PART AT INSTALL.	LIFE LIMIT OR T.B.O.	REMOVAL DATE/HOURS	AGENCY CERT. NO.

Life Limited Parts SR20			
PART NAME	PART NUMBER		EXPIRES
CAPS Rocket Motor	15047-001	S/N <u>3203</u>	<del>11/16</del>
CAPS Parachute	20332-001	S/N <u>03956</u>	<del>4/16</del>
CAPS Reefing Line Cutters	5212	LOT <u>T05066</u> <u>003-036</u>	<del>08/12</del>
ELT Batteries	MN1300	Date Installed <u>12/06</u>	<del>03/2013</del>
EMA Controller, AAIR	20902-001	S/N <u>31OCT06-96</u>	<del>10/2013</del>
Pilot Seat Inflator Assy, AAIR	20902-002	S/N <u>AAS1254T</u> <u>10154</u>	<del>10/1/2013</del>
Co-Pilot Seat Inflator Assy, AAIR	20902-002	S/N <u>AAS1254T</u> <u>10097</u>	<del>10/1/2013</del>

10/2026

05/2026

Replaced 4/8/13 - Next Due 9/2018

NEXT DUE 12/2022

Replaced 4/8/13 - Next Due 4/13/20  
Due 9-2026

10/1/18

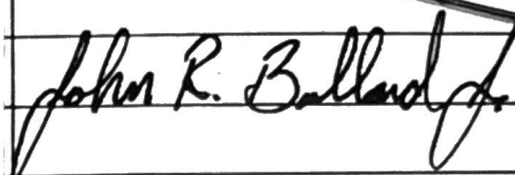

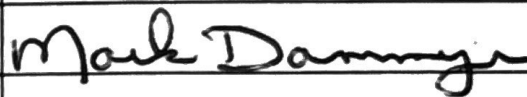
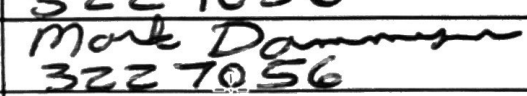
~~10/1/2016 Per SA 12-01~~

10/1/18

~~10/1/2016 Per SA 12-01~~




# AIRWORTHINESS DIRECTIVE / FACTORY BULLETIN COMPLIANCE RECORD

A.D./BULL. NUMBER	ITEM AFFECTED	DATE & HRS. AT COMP.	METHOD OF COMPLIANCE	TYPE OF A.D. 1 TIME/RECUR.	NEXT COMP. DATE/HRS./CYCLE	AUTHORIZED SIGNATURE CERTIFICATION
		1/23/07 4.6	Searched AD's through bi-weekly issue <u>2007-02</u> . All AD's are in compliance at this time.			 
2008-06-28	Avidyne PFD	4/10/08 134-3/117.3 S/N 20030496	Serial No. Check N/A	1 Time	NA	 3227056
2008-06-28-121	"	4/25/08 136-3/118.8	"	1 Time	NA	 3227056

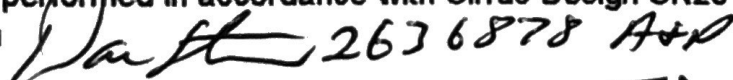
Date: 9/17/2009; Aircraft: N647MD; Type: SR20; S/N: 1772; Hobbs: 286.9; Total Time: 286.9  
 Flt Hobbs: 286.5 Hobbs: 349.0.

\*\*\*Airframe Work\*\*\* ID 5066

Complied with SB 2X-32-18 by visual inspection of nose gear upper gusset plate and forward surface of forward weld between the cross tube and strut. No defects noted, next due at 386.9 ACTT.

All work performed in accordance with Cirrus Design SR20 Maintenance Manual.

Dan Stamm  
 A&P 2636878

 2636878 A&P

Wisconsin Aviation - Madison  
 3606 Corben Court  
 Madison, WI 53704  
 608-268-5003



Wisconsin Aviation - Watertown  
 1741 River Drive  
 Watertown, WI 53094  
 920-261-4567







\*\*\*Airframe Work\*\*\* ID 2656

SB 2X-95-09R1 not applicable by serial number. Complied with A2X-95-10R1 by replacing CAPS pick up collar support p/n 70181-001 with new.

All work performed in accordance with Cirrus Design SR22 Service Manual.

Tim McGuire  
A&P473138392 IA

*Tim McGuire A&P 473138392 IA*

Wisconsin Aviation - Madison  
3606 Corben Court  
Madison, WI 53704  
608-268-5003



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1741 River Drive  
Watertown, WI 53094  
920-261-4567

Date: 6/28/2007; Aircraft: N647MD; Type: SR20; S/N: 1772; Hobbs: 57.5; Total Time: 57.5  
Fit Hobbs: 57.5 Hobbs: 71.4.

\*\*\*Airframe Work\*\*\* ID 2878

Complied with SB 2X-27-14R1 by modifying rudder aileron interconnect by installing kit p/n 70187-001.  
Complied with SB 2X-52-07R1 by replacing cabin door rod ends by installing kit p/n 70186-001. Complied with SB 2X-71-10R1 by installing oil breather line insulation sleeve using kit p/n 70092-001. Completed SB 2X-78-07 by inspection of SR20 heat exchanger, no defects noted. Replaced #1, #3 and #5 cylinder exhaust gaskets p/n 970 with no-blow gaskets. Ground run for ops and leak ck good.

All work performed in accordance with Cirrus Design SR20 Service Manual.

Pat Harrington  
A&P 2634950

*Pat Harrington A&P 2634950*

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3606 Corben Court  
Madison, WI 53704  
608-268-5003



Wisconsin Aviation - Watertown  
1741 River Drive  
Watertown, WI 53094  
920-261-4567

BY:  
RT. NO.



# RADIO & ELECTRONIC CHECKS

DATE	TOTAL TIME	EQUIPMENT CHECKED	TYPE OF CHECK	ERROR OR RESULTS	NEXT CHECK DUE	CHECKED BY: SIGNATURE — CERT. NO.
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Date: 2/01/2008; Aircraft: N647MD; Type: SR20; S/N: 1772; Hobbs: 92.8; Total Time: 92.8; Engine - Type: IO-360ES6, S/N: 360319, Time: 92.8; Prop - Type: PHC-J3YF-1RF, S/N: FP5374B, Time: 92.8  
 Flt Hobbs: 92.8 Hobbs: 110.3.

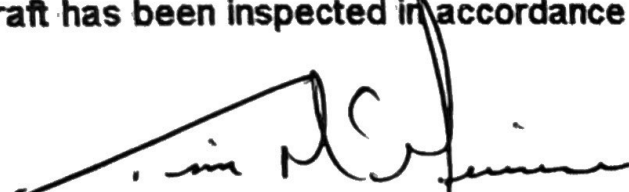
\*\*\*Airframe Work\*\*\* ID 3455

Completed an Annual inspection in accordance with the Cirrus Design SR20 Inspection Form and Service Manual. AD 07-14-03 (8/16/07) pick up collar support replacement previously complied with in accordance with SB 2x-95-09R1 and -10R1 @ 23.9 ACTT on 4/23/07. Complied with SB 2X-27-14R3 by modifying rudder-aileron interconnect using kit p/n 70197-001. Complied with SB 2X-25-19 by re-orienting and securing connectors on pilot and co-pilot's seats and using kit p/n 70188-001. Performed inflatable restraint diagnostic test, ops checked good. Inspected and tested ELT in accordance with FAR 91.207(d), no defects noted, next due 01/09. ELT battery due 3/2013. Removed kinked portion of pitot line. Reassembled pitot line and fittings. Adjusted fittings to give more clearance for strobe power supply in wing tip assy. Replaced left exhaust collector attach bolt p/n AN4C35 with new, to obtain correct spring preload.

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

Tim McGuire

A&P473138392 IA



A&P473138392 IA

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 3606 Corben Court  
 Madison, WI 53704  
 608-268-5003



Wisconsin Aviation - Watertown  
 1741 River Drive  
 Watertown, WI 53094  
 920-261-4567

# RADIO & ELECTRONIC CHECKS

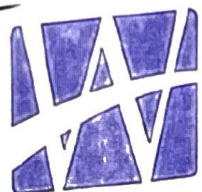
DATE	TOTAL TIME	EQUIPMENT CHECKED	TYPE OF CHECK	ERROR OR RESULTS	NEXT CHECK DUE	CHECKED BY: SIGNATURE — CERT. NO.
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Date: 6/17/2008; Aircraft: N647MD; Type: SR20; S/N: 1772; Hobbs: 137.1; Total Time: 137.1  
 \*\*\*Airframe Work\*\*\*

Replaced flight hobbs switch p/n 14128-001 with new. Adjusted right cabin door latch to allow for proper opening and closing. Reattached main fresh air inlet hose to mixing unit. Ops check vent system good.  
 All work performed in accordance with Cirrus Design SR 20 Maintenance manual.

Brian Wrage  
 A&P2815863 IA *Brian Wrage*

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 3606 Corben Court  
 Madison, WI 53704  
 608-268-5003



Wisconsin Aviation - Watertown  
 1741 River Drive  
 Watertown, WI 53094  
 920-261-4567

## WISCONSIN AVIATION FOUR LAKES, INC.

### DESCRIPTION OF WORK DONE:

Removed S-Tec 55SR Autopilot p/n 01192-4-66-30, s/n 0637-10505 and installed repaired exchange s/n 0405-6614 tested and checked good in accordance with SR-20 maintenance manual.

**N#647MD**

-----END-----

The aircraft component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details are on file at this agency under the following work number.

DATE: 8/21/08 HOBBS: 221.4 WO#: 8448 SIGNED: *Gene Walsh*

3606 Corben Ct. - Madison, WI 53704 - CSR No. DBKR124D  
 (608) 268-5006 (608) 268-5038 FAX



# RADIO & ELECTRONIC CHECKS

DATE

Date: 11/21/2008; Aircraft: N647MD; Type: SR20; S/N: 1772; Hobbs: 237.2; Total Time: 237.2  
 Flt Hobbs: 237.2 Hobbs: 279.3.

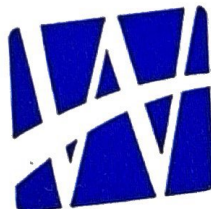
\*\*\*Airframe Work\*\*\* ID 4340

AD 08-06-28R1 (4/10/08) PFD - incorrect attitude, altitude and airspeed information not applicable by serial number. PFD s/n 20030496. AD 08-03-16 (3/11/08) rudder-aileron interconnect modification previously complied with in accordance with SB 2x-27-14R3 by installing kit p/n 70197-001 on 2/1/08 @ 92.8 ACTT. AD 08-13-28 (7/18/08) Propeller hub lubrication hole inspection not applicable by propeller model. Propeller not left hand rotating.

Scott E. Yeager

A&P262535793 IA

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 3606 Corben Court  
 Madison, WI 53704  
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 1741 River Drive  
 Watertown, WI 53094  
 920-261-4567

BY:  
 CERT. NO.

**280.0 MRD**

Date: 11/21/2008; Aircraft: N647MD; Type: SR20; S/N: 1772; Hobbs: ~~237.2~~; Total Time: 237.2

\*\*\*Airframe Work\*\*\* ID 4341

Complied with AD 08-11-18 (7/7/08) SR20 heat exchanger pressure test and inspection, no defects noted, next due 337.2 ACTT

Doug Seibel

A&P389785035 IA

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 Madison, WI 53704  
 608-268-5003



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 1741 River Drive  
 Watertown, WI 53094  
 920-261-4567

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# RADIO & ELECTRONIC CHECKS

DATE	TOTAL TIME	EQUIPMENT CHECKED	TYPE OF CHECK	ERROR OR RESULTS	NEXT CHECK DUE	CHECKED BY: SIGNATURE - CERT. NO.
7/28/08	184.0	VOR GNS 430	Rec. Check EMSA AZD 18m BNA	08Z Az - 08Z		Mont Damm 3227056

Date: 2/27/2009; Aircraft: N647MD; Type: SR20; S/N: 1772; Hobbs: 245.1; Total Time: 245.1; Engine - Type: IO-360ES6, S/N: 360319, Time: 245.1; Prop - Type: PHC-J3YF-1RF, S/N: FP5374B, Time: 245.1  
 Flt Hobbs: 245.1 Hobbs: 291.9.

\*\*\*Airframe Work\*\*\* ID 4531

Completed an Annual Inspection in accordance with the Cirrus Design SR20 Inspection Form and Service Manual. Completed AD 08-14-13 (8/14/08) Cabin door rod end replacement in accordance with SB 2x-52-07R4, using kit p/n 70186-005. Complied with AD 08-11-18 (7/7/08) SR20 heat exchanger pressure test and inspection, no defects noted, next due 345.1 ACTT. Complied with SB 2x-32-18 NLG upper plate and attach point arm inspection per visual inspection, no defects note, next due 345.1 ACTT. Completed SB 2X-71-04R5 by installing winterization kit # 70102-002. Inspected and tested ELT in accordance with FAR 91.207(d), no defects noted, next due 02/2010. ELT battery due 03/2013. Replaced #2 batteries p/n 50979-001 with new, next due 745.1 ACTT or 02/2011. Replaced left and right main gear fairing well nuts p/n 50802-001 (long) and 50803-001 (short) with new. Replaced left main tire with new, p/n 156E66-4, s/n 83110478. Replaced right main tire with new p/n 156E66-4, s/n 83110498. Cleaned, inspected and repacked wheel bearings. Reinstalled wheel and tire assemblies.

Replaced left and right brake caliper o-rings p/n 101-34500 with new. Bled brakes and serviced reservoir. Replaced induction air filter p/n BA-24 with new. Ground run for ops and leak ck good.

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

Kevin K. Fenske  
 A&P2886592 IA

*Kevin K. Fenske*

*IA2886592*

Wisconsin Aviation - Madison  
 3606 Corben Court  
 Madison, WI 53704  
 608-268-5003



Wisconsin Aviation - Watertown  
 1741 River Drive  
 Watertown, WI 53094  
 920-261-4567



# RADIO & ELECTRONIC CHECKS

DATE	TOTAL TIME	EQUIPMENT CHECKED	TYPE OF CHECK	ERROR OR RESULTS	NEXT CHECK DUE	CHECKED BY: SIGNATURE — CERT. NO.
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## ALTIMETER, STATIC, AND TRANPONDER CERTIFICATE

**N647MD**

**PILOT**

*Wisconsin Aviation Inc.*  
FAA CRS No. DBKR124D

Madison, WI 53704

608-268-5006

Test Alt. x 1k Ft	-1	0	.5	1	1.5	2	3	4	6	8	10	12	14	16	18
Tol. ± Ft.	20	20	20	20	25	30	30	35	40	60	80	90	100	110	120
Actual ± Ft.	+10	-10	-5	-10	-10	-5	-10	-10	-10	-10	-10	15	-20	-15	-15
Test Alt. x 1k Ft	20	22	25	30	35	40	45	50	Case Leak	OK	Hystersis Tol + 75 Ft.		ALTIMETER MAKE: Avidyne MODEL: 15222.004 S/N: 20030496		
Tol. ± Ft.	130	140	155	180	205	230	255	260	Tol. 100 Ft	8	50% Max	0			
Actual ± Ft.	-15	X	X	X	X	X	X	X	Temp C	16	40% Max	0			

CERTIFIED STATIC PRESSURE SYSTEM PER FAR 43 APP. E (a)  
 CERTIFIED ALTIMETER PER FAR 43 APP. E. (b) TO (20) THOUSAND FEET.  
 CERTIFIED AUTOMATIC PRESSURE ALTITUDE REPORTING EQUIPMENT PER FAR 43 APP. E (c).  
 COMPLIED WITH RECORDS KEEPING PER FAR 43 APP. E (d).  
 CERTIFIED TRANSPONDER SYSTEM PER FAR 43 APP. F.

TRANSPONDER MAKE: Garmion

MODEL: GTX-327

S/N: 8372668

The aircraft and/or component identified hereon was repaired and inspected in accordance with the current maintenance rules of the Federal Aviation Regulations and is airworthy and approved for return to service.

BLIND ENCODER

MAKE: ACK  
MODEL A-30  
S/N 105181

#2 TRANSPONDER

MAKE: X  
MODEL: X  
S/N: X

Date: 2/27/09

W.O.: 8822

Signed: *E. J. Benbrook*

# RADIO & ELECTRONIC CHECKS

DATE	TOTAL TIME	EQUIPMENT CHECKED	TYPE OF CHECK	ERROR OR RESULTS	NEXT CHECK DUE	CHECKED BY: SIGNATURE — CERT. NO.
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## ALTIMETER, STATIC, AND TRANPONDER CERTIFICATE

**N647MD**  
**COPILOT**

Wisconsin Aviation Inc.  
FAA CRS No. DBKR124D

Madison, WI 53704

608-268-5006

Test Alt. x 1k Ft	-1	0	.5	1	1.5	2	3	4	6	8	10	12	14	16	18
Tol. ± Ft.	20	20	20	20	25	30	30	35	40	60	80	90	100	110	120
Actual ± Ft.	+15	-10	-10	-10	-10	-10	-10	-10	-25	-40	-45	-40	-30	-20	+5
Test Alt. x 1k Ft	20	22	25	30	35	40	45	50	Case Leak	OK	Hystersis Tol + 75 Ft.		ALTIMETER  MAKE: United MODEL: 12731-002 S/N: 456658		
Tol. ± Ft.	130	140	155	180	205	230	255	260	Tol. 100 Ft	8	50% Max	15			
Actual ± Ft.	+30	X	X	X	X	X	X	X	Temp C	16	40% Max	15			

CERTIFIED STATIC PRESSURE SYSTEM PER FAR 43 APP. E (a)  
 CERTIFIED ALTIMETER PER FAR 43 APP. E. (b) TO (20) THOUSAND FEET.  
 CERTIFIED AUTOMATIC PRESSURE ALTITUDE REPORTING EQUIPMENT PER FAR 43 APP. E (c).  
 COMPLIED WITH RECORDS KEEPING PER FAR 43 APP. E (d).  
 CERTIFIED TRANSPONDER SYSTEM PER FAR 43 APP. F.

TRANSPONDER MAKE: Garmion      MODEL: GTX-327      S/N: 8372668

The aircraft and/or component identified hereon was repaired and inspected in accordance with the current maintenance rules of the Federal Aviation Regulations and is airworthy and approved for return to service.

Date: 2/27/09

W.O.: 8822

Signed: *E. T. Remick*

BLIND ENCODER

MAKE: ACK  
MODEL A-30  
S/N 105181

#2 TRANSPONDER

MAKE: X  
MODEL: X  
S/N: X



# RADIO & ELECTRONIC CHECKS

DATE	TOTAL TIME	EQUIPMENT CHECKED	TYPE OF CHECK	ERROR OR RESULTS	NEXT CHECK DUE	CHECKED BY: SIGNATURE — CERT. NO.
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Date: 3/10/2010; Aircraft: N647MD; Type: SR20; S/N: 1772; Hobbs: 311.3; Total Time: 311.3; Engine - Type: IO-360ES6, S/N: 360319, Time: 311.3; Prop - Type: PHC-J3YF-1RF, S/N: FP5374B, Time: 311.3  
 Hobbs: 380.8 Flight Hobbs: 311.3

**\*\*\*Airframe Work\*\*\***

Completed an Annual inspection in accordance with FAR 43, Appendix D. Complied with AD 08-11-18 (7/7/08) SR20 heat exchanger by pressure test and inspection, no defects noted. Next due 411.3 ACTT. Complied with SB2x-05-01 by installation of brake temperature label kit p/n 70227-001 and installing temp revisions into P.O.H. Complied with SB 2X-32-18 R4 by visual inspection of NLG upper gusset plate and attach point arms, no defects noted. Next due at 411.3 hrs. Inspected and tested ELT in accordance with FAR 91.207(d), no defects noted, next due 03/2011. ELT battery due 03/2013. Replaced both upper main gear fairing mounts p/n 13522-001 with new. Replaced induction air filter p/n BA-24 with new. Replaced gascolator filter p/n NAS1523-8B with new.

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

Kevin K. Fenske  
 A&P2886592 IA

*Kevin K. Fenske* IA2886592

Wisconsin Aviation - Madison  
 3606 Corben Court  
 Madison, WI 53704  
 608-268-5003



Wisconsin Aviation - Watertown  
 1741 River Drive  
 Watertown, WI 53094  
 920-261-4567

Date: 3/18/2010; Aircraft: N647MD; Type: SR20; S/N: 1772; Hobbs: 312.2; Total Time: 312.2  
 Hobbs: 382.5 Flight Hobbs: 312.2

**\*\*\*Airframe Work\*\*\***

Removed MFD, p/n 700-00004-008, s/n 20044466 and installed MFD, p/n 700-00004-008, s/n 20061396, after modified by Avidyne Corporation, CRS# 1VAR161B, WO# 9009471, dated 3/12/2010. Ops checks good.

Dan Stammen  
 A&P 2636878

*Dan Stammen* 2636878 A&P

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 Madison, WI 53704  
 608-268-5003



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 Watertown, WI 53094  
 920-261-4567

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# RADIO & ELECTRONIC CHECKS

DATE	TOTAL TIME	EQUIPMENT CHECKED	TYPE OF CHECK	ERROR OR RESULTS	NEXT CHECK DUE	CHECKED BY: SIGNATURE — CERT. NO.
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## ALTIMETER, STATIC, AND TRANSPONDER CERTIFICATE

**N647MD**  
**PFD**

Wisconsin Aviation Inc.  
FAA CRS No. DBKR124D

Madison, WI 53704

608-268-5006

Test Alt x 1k Ft	-1	0	.5	1	1.5	2	3	4	6	8	10	12	14	16	18
Tol. ± Ft.	20	20	20	20	25	30	30	35	40	60	80	90	100	110	120
Actual ± Ft.	+5	-5	0	-5	0	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
Test Alt x 1k Ft	20	22	25	30	35	40	45	50	Case Leak	OK	Hysteresis Tol + 75 Ft.		ALTIMETER  MAKE: Avidyne MODEL: EXP 5000 S/N: 20030496		
Tol. ± Ft.	130	140	155	180	205	230	255	260	Tol. 100 Ft	2	50% Max	+5			
Actual ± Ft.	-10	X	X	X	X	X	X	X	Temp C	20	40% Max	0			

CERTIFIED STATIC PRESSURE SYSTEM PER FAR 43 APP. E (a)  
 CERTIFIED ALTIMETER PER FAR 43 APP. E. (b) TO (20) THOUSAND FEET.  
 CERTIFIED AUTOMATIC PRESSURE ALTITUDE REPORTING EQUIPMENT PER FAR 43 APP. E (c).  
 COMPLIED WITH RECORDS KEEPING PER FAR 43 APP. E (d).  
 CERTIFIED TRANSPONDER SYSTEM PER FAR 43 APP. F.

TRANSPONDER MAKE: Garmin      MODEL: GTX-327      S/N: 8372668

The aircraft and/or component identified hereon was repaired and inspected in accordance with the current maintenance rules of the Federal Aviation Regulations and is airworthy and approved for return to service.

Date: 3/23/11

W.O.: AV11-10303

Signed: 

BLIND ENCODER  
  
MAKE: ACK  
MODEL: A-30  
S/N: 105181

#2 TRANSPONDER  
  
MAKE: X  
MODEL: X  
S/N: X

16  
44  
^  
v  
C  
D  
Q  
Q

# RADIO & ELECTRONIC CHECKS

DATE	TOTAL TIME	EQUIPMENT CHECKED	TYPE OF CHECK	ERROR OR RESULTS	NEXT CHECK DUE	CHECKED BY: SIGNATURE — CERT. NO.
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## ALTIMETER, STATIC, AND TRANSPONDER CERTIFICATE

**N647MD**

**STBY**

Wisconsin Aviation Inc.  
FAA CRS No. DBKRI24D

Madison, WI 53704

608-268-5006

Test Alt. x 1k Ft	-1	0	.5	1	1.5	2	3	4	6	8	10	12	14	16	18
Tol. $\pm$ Ft.	20	20	20	20	25	30	30	35	40	60	80	90	100	110	120
Actual $\pm$ Ft.	+15	-5	0	0	0	-5	-10	-15	-20	-30	-40	-40	-35	-25	+10
Test Alt. x 1k Ft	20	22	25	30	35	40	45	50	Case Leak	OK	Hysteresis Tol + 75 Ft.		ALTIMETER MAKE: United MODEL: 5943PAD-3 S/N: 456658		
Tol. $\pm$ Ft.	130	140	155	180	205	230	255	260	Tol. 100 Ft	2	50% Max	+25			
Actual $\pm$ Ft.	+25	X	X	X	X	X	X	X	Temp C	20	40% Max	+25			

CERTIFIED STATIC PRESSURE SYSTEM PER FAR 43 APP. E (a)  
 CERTIFIED ALTIMETER PER FAR 43 APP. E. (b) TO (20) THOUSAND FEET.  
 CERTIFIED AUTOMATIC PRESSURE ALTITUDE REPORTING EQUIPMENT PER FAR 43 APP. E (c).  
 COMPLIED WITH RECORDS KEEPING PER FAR 43 APP. E (d).  
 CERTIFIED TRANSPONDER SYSTEM PER FAR 43 APP. F.

TRANSPONDER MAKE: Garmin      MODEL: GTX-327      S/N: 8372668

The aircraft and/or component identified hereon was repaired and inspected in accordance with the current maintenance rules of the Federal Aviation Regulations and is airworthy and approved for return to service.

Date: 3/23/11

W.O.: AV11-10303

Signed: *E. T. Penland*

BLIND ENCODER

MAKE: ACK  
 MODEL: A-30  
 S/N: 105181

#2 TRANSPONDER

MAKE: X  
 MODEL: X  
 S/N: X

# MAINTENANCE RECORD

## F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO
4/24/10	Hobbs 389.2	Replaced Landing Light w/ LoPresti	Mark Dango
	Flight 316.2	Boom Beam Part # LSM-500-395-1	3227056

Date: 9/29/2011; Aircraft: N647MD; Type: SR20; S/N: 1772; Hobbs: 392.0; Total Time: 392.0  
 Hobbs: 489.4 Flight Hobbs: 392.0

\*\*\*Airframe Work\*\*\*

Installed Boom Beam Cirrus Model SR20 Wingtip HID light kit after wing tip modification by Lo-Presti dated 9/19/2011 per LoPresti Installation instruction document # LSM-800-043 Revision IR dated 5/3/2011 and drawing LSM-800-038 rev IR dated 4/6/2011. Wing tip assembly L/H p/n LSM-800-039-3, R/H p/n LSM-800-039-4. (60 Watt installation) Installation accomplished per LoPresti Speed Merchants - Installation Instructions "Cirrus Model SR20 Wingtip HID Lights" 8110-3 dated 5/19/2011, applicable to SR20 serial number 1772 only. Cleaned, prepped and painted left and right wing tips after modification. Replaced left and right wing tip decals p/n 12057-485-WTLH and 12057-485-WTRH with new. Placed copy of Instructions for Continued Airworthiness with aircraft records. Revised weight and balance to reflect installation and put copy of weight and balance in aircraft POH. Reference 337 dated 9/29/2011.

Installed PFD, p/n 700-00006-000, s/n 20030486, after modification by Avidyne Corporation, CRS# 1VAR161B, Wo# 9015678, dated 9/21/2011. All operational checks good.

Doug Seibel

A&P389765035 IA

*Daryl Skel* 1A389765035

Wisconsin Aviation - Madison  
 3606 Corben Court  
 Madison, WI 53704  
 608-268-5003



Wisconsin Aviation - Watertown  
 1741 River Drive  
 Watertown, WI 53094  
 920-261-4567



# MAINTENANCE RECORD

## F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
		<p>Date: 3/22/2012; Aircraft: N647MD; Type: SR20; S/N: 1772; Hobbs: 418.3; Total Time: 418.3; Engine - Type: IO-360ES6, S/N: 360319, Time: 418.3; Prop - Type: PHC-J3YF-1RF, S/N: FP5374B, Time: 418.3                      Hobbs: 524.5 Flight Hobbs: 418.3                      ***Airframe Work***</p> <p>Completed an Annual inspection in accordance with FAR 43, Appendix D.                      Complied with AD 08-11-18 (7/7/08) SR20 heat exchanger pressure test and inspection, no defects noted. Next Due: 518.3 ACTT. Complied with SB 2X-32-18 R4 by visual inspection of NLG upper gusset plate and attach point arms, no defects noted. Next Due: 518.3 ACTT. Complied with Cirrus SB2X-27-16R1 (05/06/11) Modification to Prevent Possible Asymmetric Flap and Flap Actuator Over-Extension Conditions by installation of flap mod kit p/n 70255-001. Inspected and tested ELT in accordance with FAR 91.207(d), no defects noted, next due 3/2013. ELT battery due 3/2013. Replaced aileron shock cord p/n 12963-001 with new. Replaced left and right brake hoses p/n 50555-072 with new. Replaced induction air filter p/n BA-24 with new. Replaced gascolator seal NAS1523-8B with new.</p> <p>Removed PFD, p/n 700-00006-00, s/n 20030486 and installed PFD, p/n 700-00006-000, s/n 20029486, after modification by Avidyne Corporation, CRS# 1VAR161B, WO# 9016623, dated 1/18/2012. Serviced new battery p/n G-243, s/n G02711699 with acid and charged in accordance with Gill Activation and Service instructions. Installed battery in aircraft. Replaced left and right outboard fuel quantity sender gaskets p/n 12638-102 with new. Replaced left and right lower wheel fairing brackets p/n 17205-001 and 17205-002 with new. Replaced left and right brake linings p/n 066-10500 with new. Replaced nose gear fork thrust washer p/n 50545-001 with new. Rotated left and right main tires on wheels to promote even tire wear.</p> <p>I certify that this aircraft has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.</p> <p>Doug Seibel                      A&amp;P389765035 IA <i>Doug</i> <i>WI/A389765035</i></p>	
		<input type="checkbox"/> Wisconsin Aviation - Madison 3606 Corben Court Madison, WI 53704 608-268-5003	<input checked="" type="checkbox"/> Wisconsin Aviation - Watertown 1741 River Drive Watertown, WI 53094 920-261-4567



DATE OF COMPLETION

AIRCRAFT TIME IN SERVICE

DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED

AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERV

# ALTIMETER, STATIC, AND TRANPONDER CERTIFICATE

## N647MD

*Wisconsin Aviation Inc.*  
FAA CRS No. DBKR124D

PFD  
Madison, WI 53704

608-268-5006

Test Alt. x 1k Ft	-1	0	.5	1	1.5	2	3	4	6	8	10	12	14	16	18
Tol. ± Ft.	20	20	20	20	25	30	30	35	40	60	80	90	100	110	120
Actual ± Ft.	-5	0	0	0	0	0	0	0	0	10	10	10	10	10	10
Test Alt. x 1k Ft	20	22	25	30	35	40	45	50	Case Leak	OK	Hysteresis Tol + 75 Ft.		ALTIMETER  MAKE: Avidyne MODEL: EXP5000 S/N: 20029486		
Tol. ± Ft.	130	140	155	180	205	230	255	260	Tol. 100 Ft	3	50% Max	0			
Actual ± Ft.	10	X	X	X	X	X	X	X	Temp C	20	40% Max	0			

CERTIFIED STATIC PRESSURE SYSTEM PER FAR 43 APP. E (a)  
 CERTIFIED ALTIMETER PER FAR 43 APP. E. (b) TO (20) THOUSAND FEET.  
 CERTIFIED AUTOMATIC PRESSURE ALTITUDE REPORTING EQUIPMENT PER FAR 43 APP. E (c).  
 COMPLIED WITH RECORDS KEEPING PER FAR 43 APP. E (d).  
 CERTIFIED TRANSPONDER SYSTEM PER FAR 43 APP. F.

BLIND ENCODER

MAKE: ACK  
MODEL: A-30  
S/N: 105181

TRANSPONDER MAKE: Garmin      MODEL: GTX-327      S/N: 8372668

#2 TRANSPONDER

**The aircraft and/or component identified hereon was repaired and inspected in accordance with the current maintenance rules of the Federal Aviation Regulations and is airworthy and approved for return to service.**

MAKE: X  
MODEL: X  
S/N: X

Date: 4/4/13      W.O.: AV13-12083      Hobbs: 554.4      Signed:

# MAINTENANCE RECORD

## F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
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### ALTIMETER, STATIC, AND TRANSPONDER CERTIFICATE

**N647MD**

STBY

Madison, WI 53704

*Wisconsin Aviation Inc.*  
FAA CRS No. DBKR124D

608-268-5006

Test Alt. x 1k Ft	-1	0	.5	1	1.5	2	3	4	6	8	10	12	14	16	18
Tol. ± Ft.	20	20	20	20	25	30	30	35	40	60	80	90	100	110	120
Actual ± Ft.	-5	0	0	0	10	0	0	-10	-10	-30	-30	-30	-20	-10	10
Test Alt. x 1k Ft	20	22	25	30	35	40	45	50	Case Leak	OK	Hysteresis Tol + 75 Ft.		ALTIMETER  MAKE: United MODEL: 12731-002 S/N: 456658		
Tol. ± Ft.	130	140	155	180	205	230	255	260	Tol. 100 Ft	3	50% Max	10			
Actual ± Ft.	40	X	X	X	X	X	X	X	Temp C	20	40% Max	20			

CERTIFIED STATIC PRESSURE SYSTEM PER FAR 43 APP. E (a)  
 CERTIFIED ALTIMETER PER FAR 43 APP. E. (b) TO (20) THOUSAND FEET.  
 CERTIFIED AUTOMATIC PRESSURE ALTITUDE REPORTING EQUIPMENT PER FAR 43 APP. E (c).  
 COMPLIED WITH RECORDS KEEPING PER FAR 43 APP. E (d).  
 CERTIFIED TRANSPONDER SYSTEM PER FAR 43 APP. F.

TRANSPONDER MAKE: Garmin      MODEL: GTX-327      S/N: 8372668

The aircraft and/or component identified hereon was repaired and inspected in accordance with the current maintenance rules of the Federal Aviation Regulations and is airworthy and approved for return to service.

Date: 4/4/13

W.O.: AV13-12083

Hobbs: 554.4

Signed:

BLIND ENCODER

MAKE: ACK  
MODEL: A-30  
S/N: 105181

#2 TRANSPONDER

MAKE: X  
MODEL: X  
S/N: X



# MAINTENANCE RECORD

## F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
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Date: 4/08/2013; Aircraft: N647MD; Type: CIRRUS SR20; S/N: 1772; Hobbs: 437.6; Total Time: 437.6; Engine - Type: IO-360-ES6, S/N: 360319, Time: 437.6; Prop - Type: PHC-J3YF-1RF, S/N: FP5374B, Time: 437.6  
 Hobbs: 554.2 Flight Hobbs: 437.6

**\*\*\*Airframe Work\*\*\***

Completed an Annual inspection in accordance with FAR 43, Appendix D. Complied with AD 08-11-18 (7/7/08) by pressure test and visual inspection of SR20 heat exchanger, no defects noted. Next due 537.6 ACTT. Complied with SB 2X-32-18 R4 by visual inspection of NLG upper gusset plate and attach point arms, no defects noted. Next Due: 537.6 ACTT.

Replaced ELT batteries with MN1300 Duracell D cell batteries. Next replacement due date 12/2022. Inspected and tested ELT in accordance with FAR 91.207(d), no defects noted. Next Due: 4/2014. Replaced AMsafe controller p/n 20902-001 with new. MFG date: 4/2013. Next Due date 4/2020. Replaced #2 batteries p/n 50979-001 with new. Next Due: 4/2015 or 937.6 ACTT. Replaced induction filter BA-24 with new. Replaced Gascolator seal NAS1523-8B with new. Replaced nose tire with new, p/n 505C66-5, s/n 22632021, and tube p/n 092-308-0. Cleaned, inspected and repacked wheel bearings. Re-installed wheel and tire assembly.

Replaced lower rudder blind rivets p/n CR3213-4-3 with new. Replaced right gear fairing spacer p/n 13420-102 with new. Removed flap torque tubes, cleaned, inspected, re-applied corrosion protection, opened up radius on fuselage skin and reinstalled flap torque tubes. Cleaned and secured lower cowl anti-chafe tape.

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

Bobby Wangler  
 A&P 2702325 IA *Bobby Wangler AP 2702325 IA*

Wisconsin Aviation - Madison  
 3606 Corben Court  
 Madison, WI 53704  
 608-268-5003



Wisconsin Aviation - Watertown  
 1741 River Drive  
 Watertown, WI 53094  
 920-261-4567

# MAINTENANCE RECORD

## F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
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Date: 4/10/2013; Aircraft: N647MD; Type: CIRRUS SR20; S/N: 1772; Hobbs: 437.6; Total Time: 437.6; Engine - Type: IO-360-ES6, S/N: 360319, Time: 437.6; Prop - Type: PHC-J3YF-1RF, S/N: FP5374B, Time: 437.6  
Hobbs: 554.2 Flight Hobbs: 437.6

\*\*\* Airframe Work \*\*\*

Replaced CAPS system reef line cutters with new kit p/n 25347-002. Line cutters p/n 26707-001, s/n 3991 and 3999, Lot # 1 RRL 0912 and MFG date 09/12.

Doug Seibel

A&P389765035 IA

*Doug Seibel* IA389765035

+

Wisconsin Aviation - Madison  
3606 Corben Court  
Madison, WI 53704  
608-268-5003



Wisconsin Aviation - Watertown  
1741 River Drive  
Watertown, WI 53094  
920-261-4567

# MAINTENANCE RECORD

## F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
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Date: 5/19/2014; Aircraft: N647MD; Type: CIRRUS SR20; S/N: 1772; Hobbs: 474.5; Total Time: 474.5; Engine - Type: IO-360-ES6, S/N: 360319, Time: 474.5; Prop - Type: PHC-J3YF-1RF, S/N: FP5374B, Time: 474.5  
 Hobbs: 599.2 Flight Hobbs: 474.5

\*\*\*Airframe Work\*\*\*

Completed an Annual inspection in accordance with FAR 43, Appendix D. Complied with AD 08-11-18 (7/7/08) SR20 heat exchanger pressure test and inspection, no defects noted. Next Due: 574.5 ACTT. Complied with SB 2X-27-17 (6/3/13) Electronic Flap Relay Installation per installation of new style flap relay p/n 29409-001. Ops checks good. Complied with SB 2X-32-18 R4 by visual inspection of NLG upper gusset plate and attach point arms, no defects noted. Next due at 574.4 ACTT. Complied with Cirrus SA 13-05 (8/26/13) Elevator Hinge Pin Inspection, no defects noted.

Inspected and tested ELT in accordance with FAR 91.207(d), no defects noted, next due 05/2015. ELT battery due 12/2022. Replaced ELT remote switch battery p/n 28L with new. Next ELT Remote switch battery change due 3-2021. Complied with Cabin fire extinguisher inspection, no defects noted. Complied with Inspection for Continued Airworthiness of Boom Beam lighting system, no defects noted. Replaced landing light lens p/n 17298-001 with new. Repositioned right wing anti-chafe tubing into the conduit and secured with caulking.

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

Dan Stammen  
 A&P 2636878 IA

*Dan Stammen* 2636878 IA

Wisconsin Aviation - Madison  
 3606 Corben Court  
 Madison, WI 53704  
 608-268-5003

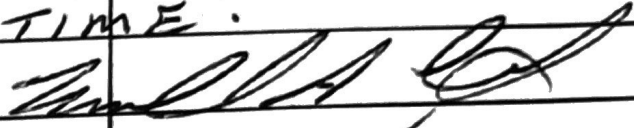


Wisconsin Aviation - Watertown  
 1741 River Drive  
 Watertown, WI 53094  
 920-261-4567



# MAINTENANCE RECORD

## F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
6/12/2015	501.1 HR TT	I HAVE INSPECTED THIS AIRCRAFT AND FOUND IT AIRWORTHY FOR THE INTENDED FLIGHT FROM C.77 TO RYV. FAR 91.411 + 91.413 OUT OF DATE AT THIS TIME. NO OUTSTANDING A.D.'S AT THIS TIME.	+ 3021438 
<p>END</p> <p><del>SECRET</del></p> <p><del>ACFT</del></p>			

# F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO
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Date: 6/25/2015; Aircraft: N647MD; Type: CIRRUS SR20; S/N: 1772; Hobbs: 501.6; Total Time: 501.6; Engine - Type: IO-360-ES6, S/N: 360319, Time: 501.6; Prop - Type: PHC-J3YF-1RF, S/N: FP5374B, Time: 501.6  
 Hobbs: 635.2 Flight Hobbs: 501.6

\*\*\*Airframe Work\*\*\*

Completed an Annual inspection in accordance with FAR 43, Appendix D.  
 Complied with AD 08-11-18 (7/7/08) by inspecting heat exchanger, no defects noted. Next Due: ACTT 601.6.  
 Complied with Cirrus SB2X-32-18R4 NLG Upper Plate and Attach Point Arm Inspection, no defects noted.  
 Complied with Cirrus SA15-03 (4/23/15) Regarding H3R ASB 2015-01 Inspection Procedures. Inspected and weighed cabin fire extinguisher, no defects noted.

Inspected and tested ELT in accordance with FAR 91.207(d), no defects noted, next due 6/18/2016. ELT battery due 12/2022. Completed Inspection for Continued Airworthiness of LoPresti Boom Beam, no defects noted. Replaced #2 batteries p/n 50979-001 with new. Date code 6/15. Next due 6/2017 or 1001.6 ACTT.  
 Replaced induction filter BA-24 with new.

Replaced left and right brake caliper o-rings p/n M83461/1-222 with new. Bled brakes and leak checked good. Replaced nose gear fork spring washers p/n 50750-101 with new. Replaced upper main gear fairing well nut mounts as needed. Installed lower cowl chafe tape as required. Replaced throttle lock washer with new. Isolated and secured oil temp wire. Ground run for operational and leak checks good.

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

Randall Effinger  
 A&P 3439510 IA 

Wisconsin Aviation - Madison  
 3606 Corben Court  
 Madison, WI 53704  
 608-268-5003



Wisconsin Aviation - Watertown  
 1741 River Drive  
 Watertown, WI 53094  
 920-261-4567

# MAINTENANCE RECORD

## F.A.R. 43.9

### ALTIMETER, STATIC, AND TRANPONDER CERTIFICATE

**N647MD**

PFD  
Madison, WI 53704

608-268-5006

*Wisconsin Aviation Inc.*  
FAA CRS No. DBKR124D

	-1	0	.5	1	1.5	2	3	4	6	8	10	12	14	16	18
Test Alt. x 1k Ft															
Tol. ± Ft.	20	20	20	20	25	30	30	35	40	60	80	90	100	110	120
Actual ± Ft.	5	0	0	0	0	0	0	0	0	0	0	5	5	5	5
Test Alt. x 1k Ft	20	22	25	30	35	40	45	50	Case Leak	OK	Hysteresis Tol + 75 Ft.		ALTIMETER  MAKE: Avidyne MODEL: EXP5000 S/N: 20029486		
Tol. ± Ft.	130	140	155	180	205	230	255	260	Tol. 100 Ft	8	50% Max	5			
Actual ± Ft.	5	X	X	X	X	X	X	X	Temp C	22	40% Max	5			

CERTIFIED STATIC PRESSURE SYSTEM PER FAR 43 APP. E (a)  
 CERTIFIED ALTIMETER PER FAR 43 APP. E. (b) TO (20) THOUSAND FEET.  
 CERTIFIED AUTOMATIC PRESSURE ALTITUDE REPORTING EQUIPMENT PER FAR 43 APP. E (c).  
 COMPLIED WITH RECORDS KEEPING PER FAR 43 APP. E (d).  
 CERTIFIED TRANSPONDER SYSTEM PER FAR 43 APP. F.

TRANSPONDER MAKE: Garmin      MODEL: GTX-327      S/N: 8372668

The aircraft and/or component identified hereon was repaired and inspected in accordance with the current maintenance rules of the Federal Aviation Regulations and is airworthy and approved for return to service.

Date: 6/25/15

W.O.: AV15-14060

Hobbs: 501.6

Signed:

BLIND ENCODER

MAKE: ACK  
MODEL: A-30  
S/N: 105181

#2 TRANSPONDER

MAKE: X  
MODEL: X  
S/N: X

O.  
SERVIC



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

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

DATE AIRCRAFT TIME IN SERVICE

18 JAN 07 4.6

Production Flight Test accomplished in accordance with  
Cirrus Procedure #90500

Name: Ross Rotramel Date 18 JAN 07

Signature: Ross E. Rotramel

Title: Production Flight Test Pilot

24, JAN 2007 4.6 hrs

I find that the aircraft meets the requirements for the  
certification requested and have issued an U.S. Standard  
Airworthiness Certificate dated JAN / 24 / 2007.  
The next inspection is due JAN / 31 / 2008.

Troy J. McDonald

Troy J. McDonald  
ODARF-405228-CE

Date: 7/11/2016; Aircraft: N647MD; Type: CIRRUS SR20; S/N: 1772; Hobbs: 537.2; Total Time: 537.2; Engine - Type: IO-360-ES6, S/N: 360319, Time: 537.2; Prop - Type: PHC-J3YF-1RF, S/N: FP5374B, Time: 537.2  
Hobbs Time 678.9, Flight Hobbs 537.2

\*\*\*Airframe Work\*\*\*

Completed an Annual inspection in accordance with FAR 43, Appendix D. Complied with AD 08-11-18 (7/7/08) by inspecting exhaust heat exchanger per Cirrus SB 2X-78-07R1 - no defects noted. Complied with SB 2X-71-10 R2 (3/25/09) Oil Breather Line Insulation Sleeve Installation by installing kit 70230-001. Complied with Cirrus SB2X-28-12R1 (08/19/15) Electric Fuel Pump Inspection - no defects noted. Complied with Cirrus SB2X-52-08R2 (04/22/16) Catcher / Diverter and Gas Strut Rod End Replacement by installing kit p/n 70544-001. Cirrus SB2X-95-12 (04/09/2010) CAPS CMM Line Cutters Rigging Illustration Error not applicable - Line Cutters not replaced during affected period. Complied with Cirrus SA16-02 (3/18/16) Front Mounted Alternator Bracket Assembly Inspection by inspecting the front alternator mount bracket per Continental SIL 15-8 - no defects noted. Completed inspection for continued airworthiness LoPresti Boom Beam - no defects noted.

Inspected and tested ELT in accordance with FAR 91.207(d) - no defects noted. Next due 7/2017.  
Replaced induction air filter p/n BA-24 with new. Inspected and weighed cabin fire extinguisher - no defects noted.

\*\*\*Airframe Work Continued\*\*\*

Wisconsin Aviation - Madison  
3606 Corben Court  
Madison, WI 53704  
608-268-5003



Wisconsin Aviation - Watertown  
1741 River Drive  
Watertown, WI 53094  
920-261-4567

DATE


31  
44  
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D  
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Q

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

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

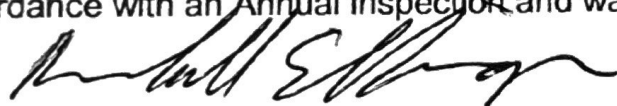
Date: 7/11/2016; Aircraft: N647MD; Type: CIRRUS SR20; S/N: 1772; Hobbs: 537.2; Total Time: 537.2; Engine - Type: IO-360-ES6, S/N: 360319, Time: 537.2; Prop - Type: PHC-J3YF-1RF, S/N: FP5374B, Time: 537.2  
Hobbs Time 678.9, Flight Hobbs 537.2

**\*\*\*Airframe Work Continued\*\*\***

Removed elevator trim motor and resecured fasteners with Loctite. Reinstalled assembly into the aircraft and checked operation - no defects noted. Replaced lower rudder hinge bolt p/n AN3-10 with new. Replaced cabin heat duct p/n SCEET10 with new. Adjusted left and right cabin door latches. Repaired screw hole with patch on back side of left cabin door panel upholstery. Replaced stand off for right door interior trim p/n 50757-008 with new.

Performed ground run, operational, and leak checks - no defects noted. I certify that this engine has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.

Randall Effinger  
A&P 3439510 IA



Wisconsin Aviation - Madison  
3606 Corben Court  
Madison, WI 53704  
608-268-5003



Wisconsin Aviation - Watertown  
1741 River Drive  
Watertown, WI 53094  
920-261-4567



# INSPECTION RECORD

## F.A.R. 43.11-91.409

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

DATE AIRCRAFT TIME IN SERVICE

Date: 12/05/2016; Aircraft: N647MD; Type: CIRRUS SR20; S/N: 1772; Hobbs: 558.0; Total Time: 558.0  
Hobbs Time 704.4, Flight Hobbs 558.0  
\*\*\*Airframe Work\*\*\*

Removed parachute assembly BRS p/n 10012/B CDC p/n 20332-001/C s/n 03956. Canopy color Orange/White MFG date 11/06. Insp. BRS2QC . Removed rocket BRS p/n 014000-01/J CDC p/n 15047-001 s/n 3203. Installed parachute assembly CDC p/n 25574-003-REB Rev D s/n 03712R1 packed 05-24-2016. Canopy color Orange/White. Repack due 05/24/2026. Insp. BRS8QC. Installed Cirrus rocket motor p/n 29554-001 and Cirrus rocket base and igniter p/n 29500-003, s/n 2048 MFG date 10-11-2016, expiration date 10/11/2026. Remove CAPS Parachute System. Install re-certified CAPS Parachute and new rocket in accordance with Cirrus Service Bulletin SB2X-95-18R3. Calculated and recorded new weight and center of gravity values, dated 12/05/2016 in accordance with Cirrus Service Bulletin SB2X-95-18R3. Complied with Cirrus SB 2X-95-09R1 CAPS Strap Abrasion Inspection. Complied with Cirrus SB 2X-95-12 (4/9/10) CAPS CMM Line Cutters Rigging Illustration Error. Complied with Cirrus SB 2X-95-13 (11/30/10) CAPS Strap Inspection and Grommet Installation. Cirrus SB 2X-95-07 CAPS Bulkhead 222 Placard Installation had already been complied with. All work performed in accordance with Cirrus Design SR20 Maintenance Manual.

Bobby Wangler  
A&P 2702325 IA 

Wisconsin Aviation - Madison  
3606 Corben Court  
Madison, WI 53704

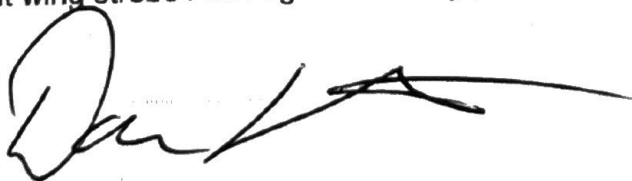


Wisconsin Aviation - Watertown  
1741 River Drive

Date: 7/19/2017; Aircraft: N647MD; Type: CIRRUS SR20; S/N: 1772; Hobbs: 571.4; Total Time: 571.4  
\*\*\*Airframe Work\*\*\*

Replaced right wing strobe / nav light assembly p/n 17140-002 with new.

Dan Stammen  
A&P 2636878 IA



Wisconsin Aviation - Madison  
3606 Corben Court  
Madison, WI 53704  
608-268-5003



Wisconsin Aviation - Watertown  
1741 River Drive  
Watertown, WI 53094  
920-261-4567

# INSPECTION RECORD

## F.A.R. 43.11-91.409

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

DATE

AIRCRAFT TIME  
IN SERVICE

Date: 8/02/2017; Aircraft: N647MD; Type: CIRRUS SR20; S/N: 1772; Hobbs: 572.4; Total Time: 572.4; Engine - Type: IO-360-ES6, S/N: 360319, Time: 572.4; Prop - Type: PHC-J3YF-1RF, S/N: EP5374B, Time: 572.4  
Flight Hobbs: 572.4

\*\*\*Airframe Work\*\*\*

Completed an Annual inspection in accordance with FAR 43, Appendix D.

Complied with AD 08-11-18 (7/7/08) SR20 heat exchanger pressure test and inspection, no defects noted.

Complied with Instructions for Continued Airworthiness for LoPresti Boom Beam, no defects noted. Complied with SB 2X-32-18 by visual inspection of NLG upper gusset plate and attach point arms, no defects noted.

Inspected and weighed cabin fire extinguisher, no defects noted. No labor charge this item included in Annual inspection. Inspected and tested ELT in accordance with FAR 91.207(d), no defects noted. Next due 08/2018.

ELT battery due 12/2022. Replaced #2 batteries p/n 50979-001 with new. Replaced aileron / rudder interconnect shock cord p/n 12983-001 with new. Replaced left main upper main gear fairing mounting bracket p/n 13522-001 with new. Serviced new battery p/n G-243, s/n G02949817 with acid and charged in accordance with Gill

Activation and Service instructions. Installed battery in aircraft. Operational check normal. Performed ground run, operational, and leak checks - no defects noted. I certify that this aircraft has been inspected in accordance

with an Annual inspection and was determined to be in airworthy condition.

Dan Stammen  
A&P 2636878 IA



Wisconsin Aviation - Madison  
3606 Corben Court  
Madison, WI 53704  
608-268-5003



Wisconsin Aviation - Watertown  
1741 River Drive  
Watertown, WI 53094  
920-261-4567

# WISCONSIN AVIATION FOUR LAKES, INC.


## DESCRIPTION OF WORK DONE:

N647MD

Calibrated blind encoder. See biennial for leak check

-----END-----

The aircraft component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details are on file at this agency under the following work number.

DATE: 8-3-2017 HOBBS: 572.4 WO#: AV17-15543 SIGNED: 

3606 Corben Ct. - Madison, WI 53704 - CSR No. DBKR124D  
(608) 268-5006 (608) 268-5038 FAX

1) Performed biennial certification after complying with discrepancy #2. No further discrepancies found.  
System operations checks good.

2) Calibrated blind encoder. See biennial for leak check



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

DATE  
AIRCRAFT TIME IN SERVICE

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

**ALTIMETER, STATIC, AND TRANPONDER CERTIFICATE**

Wisconsin Aviation Inc.  
FAA CRS No. DBKR124D

**N647MD**  
PFD  
Madison, WI 53704

608-268-5006

Test Alt. x 1k Ft	-1	0	.5	1	1.5	2	3	4	6	8	10	12	14	16	18
Tol. ± Ft.	20	20	20	20	25	30	30	35	40	60	80	90	100	110	120
Actual ± Ft.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Test Alt. x 1k Ft	20	22	25	30	35	40	45	50	Case Leak	OK	Hysteresis Tol + 75 Ft.		ALTIMETER		
Tol. ± Ft.	130	140	155	180	205	230	255	260	Tol. 100 Ft	OK	50% Max	0	MAKE: Avidyne MODEL: EXP5000 S/N: 20029486		
Actual ± Ft.	0	X	X	X	X	X	X	X	Temp C	23	40% Max	0	BLIND ENCODER MAKE: ACK MODEL: A-30 S/N: 105181		

CERTIFIED STATIC PRESSURE SYSTEM PER FAR 43 APP. E (a)  
 CERTIFIED ALTIMETER PER FAR 43 APP. E. (b) TO (20) THOUSAND FEET.  
 CERTIFIED AUTOMATIC PRESSURE ALTITUDE REPORTING EQUIPMENT PER FAR 43 APP. E (c).  
 COMPLIED WITH RECORDS KEEPING PER FAR 43 APP. E (d).  
 CERTIFIED TRANSPONDER SYSTEM PER FAR 43 APP. F.

TRANSPONDER MAKE: Garmin MODEL: GTX-327 S/N: 8372668

The aircraft and/or component identified hereon was repaired and inspected in accordance with the current maintenance rules of the Federal Aviation Regulations and is airworthy and approved for return to service.

Date: 8-3-2017 W.O.: AV17-15543 Hobbs: 572.4 Signed: *E.T. [Signature]*

#2 TRANSPONDER  
MAKE: X  
MODEL: X  
S/N: X

# INSPECTION RECORD

## F.A.R. 43.11-91.409

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

DATE

AIRCRAFT TIME  
IN SERVICE

### ALTIMETER, STATIC, AND TRANSPONDER CERTIFICATE

**N647MD**

STBY

Madison, WI 53704

608-268-5006

*Wisconsin Aviation Inc.*  
FAA CRS No. DBKR124D

Test Alt. x 1k Ft	-1	0	.5	1	1.5	2	3	4	6	8	10	12	14	16	18
Tol. ± Ft.	20	20	20	20	25	30	30	35	40	60	80	90	100	110	120
Actual ± Ft.	0	10	5	5	5	5	0	0	-10	-25	-30	-30	-25	-15	10
Test Alt. x 1k Ft	20	22	25	30	35	40	45	50	Case Leak	OK	Hysteresis Tol + 75 Ft.		ALTIMETER MAKE: United MODEL: 12731-002 S/N: 456658		
Tol. ± Ft.	130	140	155	180	205	230	255	260	Tol. 100 Ft	OK	50% Max	15			
Actual ± Ft.	40	X	X	X	X	X	X	X	Temp C	23	40% Max	15			

CERTIFIED STATIC PRESSURE SYSTEM PER FAR 43 APP. E (a)  
 CERTIFIED ALTIMETER PER FAR 43 APP. E. (b) TO (20) THOUSAND FEET.  
 CERTIFIED AUTOMATIC PRESSURE ALTITUDE REPORTING EQUIPMENT PER FAR 43 APP. E (c).  
 COMPLIED WITH RECORDS KEEPING PER FAR 43 APP. E (d).  
 CERTIFIED TRANSPONDER SYSTEM PER FAR 43 APP. F.

TRANSPONDER MAKE: Garmin      MODEL: GTX-327      S/N: 8372668

The aircraft and/or component identified hereon was repaired and inspected in accordance with the current maintenance rules of the Federal Aviation Regulations and is airworthy and approved for return to service.

Date: 8-3-2017

W.O.: AV17-15543

Hobbs: 572.4

Signed: *E. J. [Signature]*

BLIND ENCODER

MAKE: ACK  
MODEL: A-30  
S/N: 105181

#2 TRANSPONDER

MAKE: X  
MODEL: X  
S/N: X

# INSPECTION RECORD

## F.A.R. 43.11-91.409

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

DATE

AIRCRAFT TIME  
IN SERVICE

### WISCONSIN AVIATION-FOUR LAKES, INC.


N647MD

#### DESCRIPTION OF WORK DONE:

Removed Garmin GNS-430W's. Installed and configured New Avidyne IFD 540 and 440 per STC installation manual.  
Removed Garmin GMA-340 and installed new Avidyne AMX 240 per installation manual  
Removed Garmin GTX-327 transponder and installed new Avidyne AXP-322 remote mounted transponder and FreeFlight Rangr FDL-978 ADS-B in receiver per applicable installation manuals.  
Installed # 1 GPS Antenna IAW Cirrus service bulletin(SB-2X-34-24 R1) and new AV 74-1 antenna under aircraft tail IAW Cirrus SB 2X 34-19.  
Removed STec 55x autopilot computer.  
Installed new Avidyne DFC90 autopilot computer.  
Interfaced flap position to autopilot IAW Avidyne DFC90 installation document and manual. Performed servo start up tests recommended in Avidyne DFC90/100 installation manual. Start -ups are: Roll servo-2.1/2.0, Pitch Trim-4.0/4.1.  
Systems ramp and leak check satisfactory in accordance with Part 43 app E(a)(2), app F and applicable installation manuals.  
See weight and balance for applicable part and serial number changes.

-----END-----

The aircraft component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details are on file at this agency under the following work number.

DATE: 5/21/16 HOBBS: 729.7 WO#: AV18-15875 SIGNED: 

3606 Corben Ct. - Madison, WI 53704 - CRS No. DBKR124D  
(608) 268-5006 (608) 268-5038 FAX



INSPECTION RECORD

Date: 9/19/2018; Aircraft: N647MD; Type: CIRRUS SR20; S/N: 1772; Hobbs: 577.5; Total Time: 577.5; Engine - Type: IO-360-ES6, S/N: 360319, Time: 577.5; Prop - Type: PHC-J3YF-1RF, S/N: FP5374B, Time: 577.5

Completed an Annual inspection in accordance with FAR 43, Appendix D. Complied with AD 08-11-18 (7/7/08) SR20 heat exchanger pressure test and inspection, no defects noted. Next due 831.6 hobbs. Completed Instructions for continued airworthiness for LoPresti Boom Beam, no defects noted. Complied with SB 2X-32-18 by visual inspection of NLG upper gusset plate and attach point arms, defects noted. Stripped paint off suspected crack. Dye checked no defects noted. Complied with SB2X-95-24R1 Special Purpose Equipment - CAPS Rocket Shelf Ground Wire by installation of kit p/n 70572-001. Inspected and tested ELT in accordance with FAR 91.207(d), no defects noted. Next due 9/2019. ELT battery due 12/2022. Battery capacity checked normal, passed at 101%. Top charged battery. Inspected and weighed cabin fire extinguisher, no defects noted. Replaced cabin fire extinguisher, H3R Aviation Model A344T, WO# 439558, s/n 1857 with new. Replaced induction air filter p/n BA-24 with new. Replaced CAPS system reef line cutters with new kit p/n 25347-002. Line cutters p/n 26707-001, s/n 13691 and 13641, Lot # 1 RRL 0518 and MFG date 05/18. Replaced pilot and copilot inflator p/n 20902-005 with new s/n Z7180492051 MFR date A0818. Replaced pilot and copilot Inflator wire harness p/n 20902-006 with new. Replaced pilot and copilot inflator hose adapter p/n 20902-007 with new. Replaced pilot and copilot Inflator bracket p/n 20903-008 with new. Replaced forward nose strut cowl seal p/n 20660-001 and aft nose strut cowl seal p/n 20665-001 with new. Removed, weld repaired and reinstalled right exhaust collector. Replaced right exhaust collector bolt p/n AN4C32 with new. Resealed air oil separator with seal kit p/n 05-15392. Replaced left and right cabin door struts p/n 18200-004 with new. I certify that this Aircraft has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.

OR SERVICE

Doug Seibel  
A&P389765035 IA

*Doug Seibel* 1A389765035

Wisconsin Aviation - Madison  
3606 Corben Court  
Madison, WI 53704  
608-268-5003



Wisconsin Aviation - Watertown  
1741 River Drive  
Watertown, WI 53094  
920-261-4567


# INSPECTION RECORD

Date: 10/04/2019; Aircraft: N647MD; Type: CIRRUS SR20; S/N: 1772; Hobbs: 579.6; Total Time: 579.6; Engine - Type: IO-360-ES6, S/N: 360319, Time: 579.6; Prop - Type: PHC-J3YF-1RF, S/N: FP5374B, Time: 579.6

\*\*\*Airframe\*\*\*

Completed an Annual inspection in accordance with FAR 43, Appendix D. Complied with AD 08-11-18 (7/7/08) SR20 heat exchanger pressure test and inspection, no defects noted. Next due 679.6 hobbs (BP). Complied with Instructions for continued airworthiness for LoPresti Boom Beam, no defects noted (BP). Complied with SB 2X-32-18R4 Nose Landing gear upper plate and attach point arm inspection, no defects noted (BP). Inspected and tested ELT in accordance with FAR 91.207(d), no defects noted. Next due 10-2020. ELT battery due 12-2022 (BP). Removed EMA Controller p/n 508358-421, s/n 34322946 and installed EMA Controller p/n 508358-421, s/n 35785190, date of MFG, A09SEP19-3. Expiration Due: Sept 2026 (BP). Replaced #2 batteries p/n 50979-001 with new. Date code 2-2019/E181225XC. Next due 1079.6 or 10-2021 (BP). Inspected and weighed cabin fire extinguisher A344, dated 2018, No.E-93941062, no defects noted (BP). Battery capacity checked normal and passed at 91% (BP). Completed composite repair on left main gear center fairing, center hole per Chap. 51-20 (TP). Replaced baffle spring fastener p/n 641346, and 641347 with new (BP). Resecured left and right exhaust shields with 2 sided tape (BP). I certify that this Aircraft has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.

Benjamin J. Pitterle  
A&P390747277 IA

*Benjamin J. Pitterle* IA 390747277

Wisconsin Aviation - Madison  
3606 Corben Court  
Madison, WI 53704  
608-268-5003



Wisconsin Aviation - Watertown  
1741 River Drive  
Watertown, WI 53094  
920-261-4567

OR SERVICE

# INSPECTION RECORD

## F.A.R. 43.11-91.409

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

DATE \_\_\_\_\_ AIRCRAFT TIME IN SERVICE \_\_\_\_\_

### ALTIMETER, STATIC, AND TRANPONDER CERTIFICATE

#### N647MD

PFD

*Wisconsin Aviation-Four Lakes Inc.*  
FAA CRS No. DBKR124D

Madison, WI 53704

608-268-5006

Test Alt. x 1k Ft	-1	0	.5	1	1.5	2	3	4	6	8	10	12	14	16	18
Tol. ± Ft.	20	20	20	20	25	30	30	35	40	60	80	90	100	110	120
Actual ± Ft.	-20	+20	+10	+10	+10	+10	+10	+10	+10	+10	+10	+10	+10	+10	+10
Test Alt. x 1k Ft.	20	22	25	30	35	40	45	50	Case Leak	OK	Hysteresis Tol + 75 Ft.		ALTIMETER  MAKE: Avidyne MODEL: EXP5000 S/N: 20029486		
Tol. ± Ft.	130	140	155	180	205	230	255	260	Tol. 100 Ft	4	50% Max	10			
Actual ± Ft.	+20	X	X	X	X	X	X	X	Temp C	19	40% Max	0			

CERTIFIED STATIC PRESSURE SYSTEM PER FAR 43 APP. E (a)  
 CERTIFIED ALTIMETER PER FAR 43 APP. E. (b) TO (20) THOUSAND FEET.  
 CERTIFIED AUTOMATIC PRESSURE ALTITUDE REPORTING EQUIPMENT PER FAR 43 APP. E (c).  
 COMPLIED WITH RECORDS KEEPING PER FAR 43 APP. E (d).  
 CERTIFIED TRANSPONDER SYSTEM PER FAR 43 APP. F.

TRANSPONDER MAKE: Avidyne      MODEL: AXP-322      S/N: 06501

**The aircraft and/or component identified hereon was repaired and inspected in accordance with the current maintenance rules of the Federal Aviation Regulations and is airworthy and approved for return to service.**

Date: 10/8/2019      W.O.: AV19-16745      HOBBS: 736.5      Signed: *E. J. [Signature]*

BLIND ENCODER

MAKE: ACK  
MODEL: A-30  
S/N: 105181

---

#2 TRANSPONDER

MAKE: X  
MODEL: X  
S/N: X



# INSPECTION RECORD

## F.A.R. 43.11-91.409

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

DATE \_\_\_\_\_ AIRCRAFT TIME IN SERVICE \_\_\_\_\_

### ALTIMETER, STATIC, AND TRANPONDER CERTIFICATE

**N647MD**

Altimeter  
Madison, WI 53704

608-268-5006

*Wisconsin Aviation-Four Lakes Inc.*  
FAA CRS No. DBKR124D

Test Alt. x 1k Ft.	-1	0	.5	1	1.5	2	3	4	6	8	10	12	14	16	18
Tol. ± Ft.	20	20	20	20	25	30	30	35	40	60	80	90	100	110	120
Actual ± Ft.	-10	0	0	0	0	0	0	0	0	-20	-20	-20	-20	0	+20
Test Alt. x 1k Ft.	20	22	25	30	35	40	45	50	Case Leak	OK	Hysteresis Tol + 75 Ft.		ALTIMETER  MAKE: United MODEL: 12731-002 S/N: 456658		
Tol. ± Ft.	130	140	155	180	205	230	255	260	Tol. 100 Ft	4	50% Max	10			
Actual ± Ft.	+50	X	X	X	X	X	X	X	Temp C	19	40% Max	0			

CERTIFIED STATIC PRESSURE SYSTEM PER FAR 43 APP. E (a)  
 CERTIFIED ALTIMETER PER FAR 43 APP. E. (b) TO (20) THOUSAND FEET.  
 CERTIFIED AUTOMATIC PRESSURE ALTITUDE REPORTING EQUIPMENT PER FAR 43 APP. E (c).  
 COMPLIED WITH RECORDS KEEPING PER FAR 43 APP. E (d).  
 CERTIFIED TRANSPONDER SYSTEM PER FAR 43 APP. F.

BLIND ENCODER

MAKE: ACK  
MODEL: A-30  
S/N: 105181

TRANSPONDER MAKE: Avidyne      MODEL: AXP-322      S/N: 06501

#2 TRANSPONDER

The aircraft and/or component identified hereon was repaired and inspected in accordance with the current maintenance rules of the Federal Aviation Regulations and is airworthy and approved for return to service.

MAKE: X  
MODEL: X  
S/N: X

Date: 10/8/2019      W.O.: AV19-16745      HOBBS: 736.5      Signed: *[Signature]*



# INSPECTION RECORD

F A D 12 11 01 109

Date: 4/01/2021; Aircraft: N647MD; Type: CIRRUS SR20; S/N: 1772; Hobbs: 580.7; Total Time: 580.7; Engine - Type: IO-360-ES6, S/N: 360319, Time: 580.7; Prop - Type: PHC-J3YF-1RF, S/N: FP5374B, Time: 580.7

\*\*\*Airframe\*\*\*

Completed an Annual inspection in accordance with FAR 43, Appendix D. Complied with AD 08-11-18 (7/07/2008) SR20 heat exchanger pressure test and inspection in accordance with Cirrus Service Bulletin 2X-78-07 Revision 1, 12/18/2007, no defects noted. Next due 680.7 flight hobbs (jw). AD 20-19-06 McCauley propeller governors idle gear was found to be not applicable by, serial number, and no governor work the affective dates (jw). Complied with instructions for continued airworthiness for LoPresti-Boom Beam, no defects noted (jw). Inspected and tested ELT in accordance with FAR 91.207(d), no defects noted. Next due Nov 30 2021. ELT battery due Dec 2022 (jw). Replaced ELT remote battery p/n 50479-001 with new. Next replacement due date 3/2028. Inspected and tested ELT in accordance with FAR 91.207(d), no defects noted (CSH). Aircraft battery capacity check failed at 62%. Serviced new battery p/n G243, s/n G03100743 with acid and charged in accordance with Gill Activation and Service instructions. Date of manufacture 09/23/20. Installed battery in aircraft. Operational check normal (jw). Inspected and weighed cabin fire extinguisher, no defects noted (jw). Replaced induction air filter with new p/n BA-24 (jw). Replaced nose landing gear pucks p/n 11879-006 with new (gm). Performed ground run, operational, and leak checks - no defects noted. All work performed in accordance with approved/current technical data. I certify that this Aircraft has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.

Jon Weigand  
A&P 3678294

*Jon Weigand*  
*IA 3678294*

Wisconsin Aviation - Madison  
3606 Corben Court  
Madison, WI 53704  
608-268-5003



Wisconsin Aviation - Watertown  
1741 River Drive  
Watertown, WI 53094  
920-261-4567

SERVICE

DA


# INSPECTION RECORD

F A R 43 11 01 100

## AIRFRAME LOG

04/2022



Reg: N647MD  
Make: CIRRUS  
Hobs: 741.1

S/N: 1772  
Model: SR22  
Tach: 583.2

- 1. C/W ANNUAL INSPECTION in accordance with FAR 43 APPENDIX D using aircraft manufactures AMM as a guide.
- 2. C/W ELT inspection IAW FAR 91.207(D). no Defects noted. Next inspection due 03/2023. ELT battery next due 3/2026
- 3. Re-torque RH aileron pivot bolt.
- 4. C/W 500 hour Engine weldment Torque.
- 5. C/W 10 year boost pump O/H R&R unit P/N S/N 5217-00-3.
- 6. C/W 2 year Battery two replacement, R&R with new P/N 5979-001.
- 7. Cleaned and treaded lower engine mount.
- 8. Replace lamp in LH passenger reading light.
- 9. R&R brake disk P/N164-01501.
- 10. R&R brake linings P/N
- 11. C/W SB2x-05-01 o ring replacement.
- 12. C/W SB2x-27-18R2 Rudder interconnect assy removal.

I certify that this AIRFRAME has been inspected in accordance with (annual) inspection and was determined to be in airworthy condition.

WP33034191/A Jeff Pleiman  
Signed \_\_\_\_\_

no LUK145-22133



Airtech of Ohio, LLC - 4765 Airport Rd - CINCINNATI, Ohio 45226 - CRS#: 5A8R960B

N647MD  
HOBBS: 742.4

CIRRUS DESIGN CORP, SR20, S/N: 1772  
TACH: 583.2

March 16, 2022

1. Performed aircraft preliminary evaluation, no discrepancies noted.
  2. Performed 24 Month 91.411 and 91.413 IFR Certification to 18,000ft in accordance with Appendix E and F.
- With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Airtech of Ohio, LLC. under work order: LUK145-22133.

Craig Harbeson CRS# 5A8R960B

Airframe - page 1 of 1



# INSPECTION RECORD

## F.A.R. 43.11-91.409

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

DATE

AIRCRAFT TIME  
IN SERVICE

**RITE-WAY AVIATION**  
an AEROHP Company

### AIRFRAME LOGBOOK ENTRY

06/15/2022

N647MD

Tach: 620.1

Performed 50 hour inspection. Checked caster tension is at 18lbs. Adjusted caster tension to 23lbs.

This aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under Work Order 24537.

Signed: \_\_\_\_\_

signature of authorized representative



Rite-Way Aviation  
Repair Station YWYR832L  
7814 Eagle Lane, Spring, TX 77379

# INSPECTION RECORD

## F.A.R. 43.11-91.409

DATE: \_\_\_\_\_ AIRCRAFT TYPE: \_\_\_\_\_ KIND OF INSPECTION - STATUS & DISCREPANCY LIST: \_\_\_\_\_  
APPROVING AIRCRAFT FOR SERVICE



### AIRFRAME LOGBOOK ENTRY

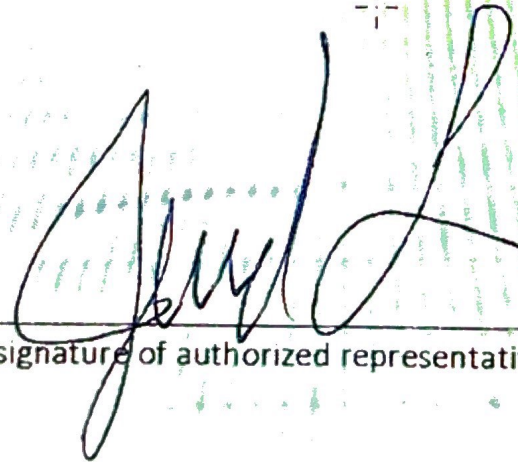
03/22/2022

NN647MD

Tach: 588.9

Tested the No. 2 alternator. Alternator operates normal. Tested No. 2 GPS. GPS operates normal. Tested transponder for altitude reporting. Transponder reporting altitude normal.

This aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under Work Order 24428.

Signed:   
signature of authorized representative



Rite-Way Aviation  
Repair Station YWYR832L  
7814 Eagle Lane, Spring, TX 77379

# INSPECTION RECORD

## F.A.R. 43.11-91.409

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

DATE

AIRCRAFT TIME  
IN SERVICE

**RITE-WAY AVIATION**  
an AEROHP Company

### AIRFRAME LOGBOOK ENTRY

05/23/2022

N647MD

Tach: 607.1

Performed Avidyne SB 601-00182-034 to upgrade IFD software to v10.2.6.1. Traffic still not configured correctly. Connected laptop to Freeflight ranger and found RS-232 Port #2 was configured incorrectly for traffic output. Changed setting on port to Traffic-Alert at baud rate of 115200. Traffic now displays on IFD540.

This aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under Work Order 24453.

Signed: \_\_\_\_\_

signature of authorized representative



Rite-Way Aviation  
Repair Station YWYR832L  
7814 Eagle Lane, Spring, TX 77379



# INSPECTION RECORD

## F.A.R. 43.11-91.409

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



### AIRFRAME LOGBOOK ENTRY

07/08/2022

N647MD

Tach: 607.7

Removed No.2 GPS, IFD 440 Display to be sent in for repair. Installed repaired unit. Configured and tested. No faults or errors shown. Replaced Avionics cooling fan on back of radio stack.

This aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under Work Order 24513.

Signed: \_\_\_\_\_

signature of authorized representative



Rite-Way Aviation  
Repair Station YWYR832L  
7814 Eagle Lane, Spring, TX 77379



# INSPECTION RECORD

## F.A.R. 43.11-91.409

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



### AIRFRAME LOGBOOK ENTRY

08/09/2022

N647MD

Tach: 671.4

Completed 50 hour inspection. Changed oil and filter. Serviced with 8 quarts X/C Phillips 66 and AA48108-2 filter. Washed, ran up and leak checked.

This aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under Work Order 24643.

Signed: \_\_\_\_\_

signature of authorized representative



Rite-Way Aviation  
Repair Station YWYR832L  
7814 Eagle Lane, Spring, TX 77379

# INSPECTION RECORD

## F.A.R. 43.11-91.409

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



### AIRFRAME LOGBOOK ENTRY

10/20/2022

N647MD

Tach:701.8

Replaced L/H main tire and tube. Tube P/N: 092-500-0. Tire P/N: 072-449-0 S/N: 9278S00183. Serviced to required pressure as per Cirrus SR20 MM.

This aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under Work Order 24734.

Signed:

  
signature of authorized representative



Rite Way Aviation  
Repair Station YWYR832L  
7814 Eagle Lane, Spring, TX 77379



# INSPECTION RECORD

## F.A.R. 43.11-91.409

AIRCRAFT TIME  
IN SERVICE

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

Spring24854-02-2023 (09-12-2023)

Page 1

MAKE: Cirrus  
MODEL: SR20  
S/N: 1772  
REG. NO.: N647MD

**Rite-Way Aviation**  
FAA Cert: YWYR832L  
7814 Eagle Lane  
Spring, TX 77379

W/O #: Spring24854-02-2023

DATE: 09-12-2023

ACT: 43.11-91.409

A/C Tech: 7112

10005

### Airframe

- Removed NLG strut assembly P/N: 10784-402 S/N: 4254 and installed new reinforced NLG strut assembly P/N: 11907-008 S/N: 25-4948. Work performed as per Cirrus SR20 AMM 32-20. Weight change is negligible and does not affect W&B. Replacement of NLG Strut now Terminates SB 2X-32-18 R4.
- Completed Airframe Annual Inspection of Cirrus SR20 Per Rite-Way Aviation Form RW1 & RW4 (01/10/2023) per and exceeding requirements of Title 14 CFR Part 43 Appendix D. Performed operational check of safety systems, leak check of airframe components, no defects are noted at this time.  
 Performed 100Hr/Annual Inspection of Engine, compressions are as followed #1-69/80 #2-74/80 #3-68/80 #4-69/80 #5-75/80 #6-76/80. Cleaned Gapped and Rotated spark plugs. Performed engine run, leak and operational check of all systems. All checks are normal at this time.  
 Performed 100Hr/Annual Inspection of Propeller, inspected hub and blades and blended as needed. All operational checks are normal at this time.
- Inspected and tested the ELT as per CFR 91.207 (d). No discrepancies noted.
- Replaced all ELT batteries with new P/N: MN1300. Ops Check good. *Exp - 09-2025*
- Removed heater shroud pressure tested and inspected exhaust heat exchanger as per AD 2008-11-18. No discrepancies noted.
- Installed new Induction Air filter P/N: BA-24.
- Inspected LoPresti landing light for defects, no discrepancies noted.
- Coordinated with client on workorder status, inspection items, component pricing and lead time. Completed AD research, uncontrolled items, component research, technician direction, maintenance manual review and OEM coordination as required.
- Battery failed capacity check at 19.3%. Constant current charged battery and retested battery failed 2nd test at 51.4%. Services and

# INSPECTION RECORD

## F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
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Spring24854-02-2023 (09-12-2023)

Page 2 / 2

- installed new battery IAW gill service manual P/N: G-243 S/N: G03174168, voltage upon install is 25.3v.
- Adjusted caster tension as per Cirrus SR20 AMM 32-20-33.
- Installed new NLG pucks P/N. 11879-006 and new rebound bumpers P/N 14020-001. Work performed as per Cirrus SR20 AMM 32-20-23.

This aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station

DATE: 09-12-2023

SIGNED:

Ryan D Davidovich  
FAA Cert: YWYR832L



WORK ORDER: Spring24854-02-2023

Printed by EBIS (EBISCloud.com)



# INSPECTION RECORD

## F.A.R. 43.11-91.409

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

DATE	AIRCRAFT TIME IN SERVICE

Spring25107-09-2023 (10-03-2023)

MAKE: Cirrus  
MODEL: SR20  
S/N: 1772  
REG. NO.: N647MD

**Rite-Way Aviation**  
FAA Cert: YWYR832L  
7814 Eagle Lane  
Spring, TX 77379

Page 1 of 1  
W/O # Spring25107-09-2023  
DATE 10-03-2023  
AC T 1772  
AC T 1772  
Hours

### Airframe/Avionics

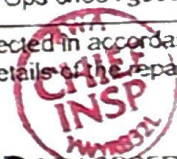
1. Removed standby attitude indicator PN: 504-0111-942 S/N: 504011194227317 for testing. Testing indicated that the standby attitude indicator mechanical flag would not retract.
2. Replaced backup attitude indicator with Garmin GI275 P/N: 011-04489-10 S/N: 5M2117095, no leaks found in the pitot-static system. updated software to 3.01, raised plane to flight level for horizon calibration and configured unit. Ops check good.

This aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station

DATE: 10-03-2023

SIGNED:

Ryan D Davidovich  
FAA Cert: YWYR832L



WORK ORDER: Spring25107-09-2023  
Printed by EBIS (EBISDoc.com)

# INSPECTION RECORD

## F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
12/23		Bearing Error ± 0 MCBVOR <i>Kenn Kyr</i> 4670190

Spring25146-10-2023 (10-25-2023)

Page 1 / 1

MAKF. Cirrus  
MODEL SR20  
S/N. 1772  
REG. NO.: N647MD

**Rite-Way Aviation**

FAA Cert: YWYR832L  
7814 Eagle Lane  
Spring, TX 77379

W/O #. Spring25146-10-2023  
DATE. 10-25-2023  
A/C TT  
A/C Tach. 777.1  
Hobbs. 977.8

**Airframe**

- Removed #2 alternator P/N: BC410-1 S/N: 11065498 & installed overhauled alternator P/N: BC410-1 S/N: 2C01D9V94KX per Cirrus SR20 AMM 24-30. Operational check of alternator operation and charging is normal at this time.
- Calibrated the GI275 pitch angle to better match the PFD in flight, also configured the GI275 to match the airspeed tapes on the analog airspeed indicator next to it.

This aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station

DATE: 10-25-2023

SIGNED:

*Ryan D Davidovich*  
Ryan D Davidovich  
FAA Cert: YWYR832L

WORK ORDER: Spring25146-10-2023

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INSPECTION RECORD

WO\_7353

Airframe - page 1 of 1



E&E AVIATION - 7884 EAGLE LANE HANGAR M6 - SPRING, TX 77379 - (332)639-8380

N64 MD

CIRRUS DESIGN CORP, SR20, S/N : 1772

February 15, 2024

TAC #: 810.2

INSTALLED NEW L/H STROBE BULB-OPS CHECKED OK

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with E&E AVIATION under work order: WO\_7353.

RAYMOND VILLALBA A&P IA 103623209

wo: WO\_7458

Airframe - page 1 of 1



E&E AVIATION - 7884 EAGLE LANE HANGAR M6 - SPRING, TX 77379 - (332)639-8380

N64 MD

CIRRUS DESIGN CORP, SR20, S/N: 1772

March 05, 2024

TAC #: 811.9

INSTALLED NEW R/H TIRE ASSEMBLY-ALL OPS CHECKED OK

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with E&E AVIATION under work order: WO\_7458.

RAYMOND VILLALBA A&P IA 103623209



# IFR CERTIFIED AVIONICS LLC

FAA CTS# 1F4R612D

3464 AIRFIELD DR. W.  
LAKELAND, FL 33111

(813) 39-5457

IFRCERT REDAVIONICS@GMAIL.COM

N 647A D

RVICE

## ALTIMETER TEST INFORMATION

TESTED IN COMPLIANCE WITH APPENDIX E, PART 43, FAA REGULATIONS

ALTIMETER TESTED TO A MAXIMUM OF 20,000 FT

STBY  
ADC

ALTITUDE	SCALE ERROR	SCALE TOLERANCE	FRICTION ERROR	FRICTION TOLERANCE	CASE LEAK / 18,000 FT TOLERANCE 100 FT			
					AFTER EFFECT TEST			
-1000	-20	20			LEADING PRIOR TO TEST <u>100 110</u> FT			
0	-10	20			READING AFTER TEST <u>100 120</u> FT			
500	-10	20			AFTER EFFECT <u>20</u> TOLERANCE 30 FT DIFF			
1000	-20	20		70	MYSTERY TEST			
1500	-20	25			ALTITUDE UP	DOWN	TOL-ERANCE	
					40 150% MAX	READING	READING	
2000	-20	30		70	<u>81000</u>	<u>-10</u>	<u>-10</u>	75 FT
3000	-10	30		70	<u>10000</u>	<u>-10</u>	<u>-10</u>	75 FT
4000	-10	35			BAROMETRIC SCALE TEST			
5000				70	BARO-SETTING	ALTITUDE SCALE READ	ALTITUDE DIFF.	TOL-ERANCE
6000	-20	40			28.10	<u>-1780</u>	<u>-1727</u>	25
8000	-10	60			28.50	<u>-1340</u>	<u>-1340</u>	25
10000	-10	80		80	29.00	<u>-960</u>	<u>-863</u>	25
12000	-10	90			29.50	<u>-390</u>	<u>-392</u>	25
14000	-10	100			29.92	<u>0</u>	<u>0</u>	25
16000	-20	110		90	30.50	<u>530</u>	<u>531</u>	25
18000	-10	120			30.90	<u>890</u>	<u>893</u>	25
20000	-10	130		100	30.99	<u>970</u>	<u>974</u>	25
22000		140			DATE TESTED <u>5/14/2024</u>			
25000		165		120	WORK ORDER NUMBER <u>11543</u>			
30000		180		140	ALTIMETER MODEL <u>GI 275</u>			
35000		205		160	ALTIMETER S/N <u>MZ11709</u>			
40000		230		180	AVIONICS TECH <u>[Signature]</u>			
45000		250		200	INSPECTOR <u>[Signature]</u>			
50000		280		250				



# IFR CERTIFIED AVIONICS LLC

FAA CRS# 1F4 1612D

346 AIRFIELD DR.W

(813)999-545

LA BELAND, FL 33811

IFRCERTIFIED@AVIONICS@GMAIL.COM

N 647MD

RVICE

## ALTIMETER TEST INFORMATION

TESTED IN COMPLIANCE WITH APPENDIX E, PART 43, FAA REGULATIONS TBY

ALTIMETER TESTED TO A MAXIMUM OF 20,000 FT

ALTITUDE	SCALE ERROR	TOLERANCE	SCALE TOLERANCE	FRICTION ERROR	FRICTION TOLERANCE	CASE LEAK AT 18,000 FT	
						0	TOLERANCE 30 FT
-1000	-20		20			AFTER EFFECT TEST	
0	0		20			READING 3 PRIOR TO TEST	110 FT
500	0		20			READING 10 AFTER TEST	120 FT
1000	-10		20	20	70	AFTER EFFECT	0 TOLERANCE 30FT DIFF
1500	-10		25			HYSTERESIS TEST	
2000	-10		30	40	70	ALTITUDE UP	DOWN
3000	-20		30	40	70	40&50% MAX READING	READING
4000	-30		35			9000	-30
5000				40		12000	-40
6000	-30		40			BAROMETRIC SCALE TEST	
8000	-30		60			BARO SETTING	ALTITUDE SCALE READ
10000	-40		80	40	80	28.10	ALTITUDE DIFF.
12000	-30		90			28.54	TOLERANCE
14000	-30		100			29.11	727
16000				50	90	29.54	340
18000	-20		110			29.92	863
20000	40		130	60	100	30.5	392
22000			140			30.9	0
24000			155		120	30.9	531
26000			180		140		893
28000			205		160		974
30000			230		180		
40000			255		250		
50000			280				

DATE TESTED 5/14/2024  
 WORK ORDER NUM 1143  
 ALTIMETER MODEL 534PD-5  
 ALTIMETER S/N 45658  
 AVIONICS TECH [Signature]  
 INSPECTOR [Signature]

# INSPECTION RECORD

## I.A.R. 43.11-91.409

**EMPTY TIME  
IN SERVICE**

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




**IFR CERTIFIED**  
AVIONS

FAA CRS# 1F R812D

3454 Airfield Drive W.  
Lakeland, FL 33811  
(813)999 5457

I certify the altimeter, static and altitude reporting test required by FAR 91.411 and FAR 91.43 appendix E and F have been performed.

The altimeter has been tested to 30000 ft. **STBY**

Signature   
Date 5/14/2024 **N647M**




**IFR CERTIFIED**  
AVIONS

FAA CRS# 1F R812D

3454 Airfield Drive W.  
Lakeland, FL 33811  
(813)999 5457

The transporter identified below was tested according to FAR 91.413 and is approved for return to service.

MFR Av dync Model AXP 322  
S/N 06501  
Date 5/14/2024 Technician   
**N647M**

