AIRCRAFT LOG
AF5-1

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PPG

PPG Industries, Inc.
COMMERCIAL COATINGS

PRIMER K36

PRIMER

COLOR FBC 92813

COLOR

COLOR

CLEAR F3905

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Aircraft Log
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TC # A00009CH

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Aero Products Corporation

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AIRCRAFT DESCRIPTION

MANUFACTURER CIRRUS DESIGN CORP. MODEL SR-20 DATE OF MFG. MAY, 08

SERIAL NUMBER 1979 REGISTRATION NUMBER ~~N504PG~~ N456AK

REGISTERED OWNER

STREET ADDRESS

CITY, STATE, ZIP

Inspection Status
(Check one)

☐ F.A.R. 91.409 ANNUAL/100 HOUR

OPERATOR

STREET

CITY, S

REGISTERED

STREET

CITY, ST

OPERATOR

STREET A

CITY, STA

U.S. Department of Transportation

Federal Aviation Administration

ASSIGNMENT OF SPECIAL REGISTRATION NUMBERS

Special Registration Number
N456AK

Aircraft Make and Model
CIRRUS DESIGN CORP SR20

Present Registration Number
N509PG

Serial Number
1979

Issue Date:
Oct 10, 2008

ICAO AIRCRAFT ADDRESS CODE FOR N456AK - 51304160

FULLETT KENNETH
5S455 ALLISON LN
NAPERVILLE IL 60540-3800

This is your authority to change the United States registration number on the above described aircraft to the special registration number shown.

Carry duplicate of this form in the aircraft together with the old registration certificate as interim authority to operate the aircraft pending receipt of revised certificate of registration. Obtain a revised certificate of airworthiness from your nearest Flight Standards District Office.

The latest FAA Form 8130-6, Application For Airworthiness

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INSTALLED EQUIPMENT

ITEM	MANUFACTURER	MODEL	SERIAL NO.
ENGINE	TELEDYNE CONTINENTAL MOTORS	IO-360-ES	R 360677 L
ENGINE			R L
PROPELLER	HARTZELL PROPELLER INC.	PHC-J3YF-1RF	FP6595B
PROPELLER			
ENGINE			
ENGINE			
PROPELLER			
PROPELLER			
ENGINE			
ENGINE			
PROPELLER			
PROPELLER			
ENGINE			
ENGINE			
PROPELLER			
PROPELLER			

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INSTALLED EQUIPMENT

ITEM	MANUFACTURER	MODEL	SERIAL NO.
ENGINE			R L
ENGINE			R L
PROPELLER			
PROPELLER			
ENGINE			
ENGINE			
PROPELLER			
PROPELLER			
ENGINE			
ENGINE			
PROPELLER			
PROPELLER			
ENGINE			
ENGINE			
PROPELLER			
PROPELLER			

MAJOR ALTERATIONS

DATE	DESCRIPTION OF ALTERATION

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MAJOR ALTERATIONS

DATE	DESCRIPTION OF ALTERATION

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LIFE LIMITED PARTS OR OVERHAUL REQUIREMENTS

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

Life Limited Parts SR20

PART NAME	PART NUMBER		EXPIRES	
CAPS Rocket Motor	21814-001	S/N 4040	12/17	
CAPS Parachute	20331-001	S/N 03410	03/18	
CAPS Reefing Line Cutters	5212	LOT T0508A 003-049	~~02/14~~	NEXT DUE 12/2019 SR
ELT Battery Pack ARTEX ?	452-6504	Date Installed 04/08	~~07/13~~	3/2020
EMA Controller, AAIR	20902-001	S/N ~~23JAN08 -122~~	~~01/15~~	Next due 07/2021.
Pilot Seat Inflator Assy, AAIR	20902-002	S/N AA51320U 20013	1/1/2015 ~~1/1/2018~~	SR 1-1-2020 bw
Co-Pilot Seat Inflator Assy, AAIR	20902-002	S/N AA51320U 20003	1/1/2015	~~1/1/2018~~ SR 1-1-2020 bw

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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 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.

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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.

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AIRWORTHINESS DIRECTIVE/FACTORY BULLETIN COMPLIANCE RECORD

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 CERTIFICATE NO.
		5/7/08 3.2				John R. Ballard MFG 587

Searched AD's through bi-weekly issue 2008-09. All AD's are in compliance at this time.

MAKE: Cirrus
MODEL: SR20
S/N: 1979
REG NO: 509PG
WORK ORDER
12077-09-2008

Cirrus Design Factory Service Center
Repair Station No. YD5R855Y
4515 Taylor Circle
Duluth, MN 55811
Phone: 218- 788-3438

DATE: 10/3/2008
A/C TSN: 63.6
HOBBS: 63.6

AD Entries

(20) Complied with SB 2X-57-10 Aileron Trailing Edge Inspection by following adjustment procedures IAW service bulletin instructions

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

DATE: 10/3/2008

SIGNED:
Mitch Knase
Certified Repair Station No. YD5R855Y

Work Order: 12077-09-2008

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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 CERTIFICATE NO.

MAKE: Cirrus
MODEL: SR20
S/N: 1979
REG. NO: 509PG
WORK ORDER:
12113-10-2008

Cirrus Design Factory Service Center
Repair Station No. YD5R855Y
4515 Taylor Circle
Duluth, MN 55811
Phone: 218- 788-3438

DATE: 10/4/2008
A/C TSN: 68.5
HOBBS: 68.5

AD Entries

(2) Researched AD's and Mandatory Service Bulletins thru current Bi-Weekly 2008-21. All AD's and MSB's are in compliance at this time.... (5) Complied with AD 2008-06-08R1 (Avidyne PFD) by installing (APPENDIX TO AD 2008-06-28R1 LIMITATIONS REGARDING AVIDYNE PRIMARY FLIGHT DISPLAYS) in the limitations section of the POH. PFD S/N 20078087.

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

DATE: 10/4/2008 **SIGNED:**
Curt Kracke
Certified Repair Station No. YD5R855Y

Work Order: 12113-10-2008
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AIRWORTHINESS DIRECTIVE/FACTORY BULLETIN COMPLIANCE RECORD

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

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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 CERTIFICATE NO.

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 CERTIFICATE NO.

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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 CERTIFICATE NO.

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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 CERTIFICATE NO.

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AIRWORTHINESS DIRECTIVE/FACTORY BULLETIN COMPLIANCE RECORD

A. N	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 CERTIFICATE NO.

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ALTIMETER & STATIC SYSTEM CHECKS
F.A.R. 91.411

DATE	MANUFACTURER	MODEL	SERIAL NO.	LOCATION	MAX. ALT.	RECHECK REQUIRED	APPROVED BY: AGENCY	CERT. NO.

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 43-6B.

TESTED TO 18,000 **FEET ON** 04/23/08

Transponder: Mfg Garmin P/N 13587-050

Model: GTX-327 S/N 83733028

Encoder: Model ACK P/N A-30 S/N 112265

Altimeter: Mfg Avidyne

(PFD) 15222 S/N 20041098

Mfg United P/N 12731-002 S/N 467231.

PFD S/N 20078087
INSTALLED 8/30/08

CDC Quality Assurance 49 CDC on 04/23/08

Cirrus Design Corporation Duluth, MN USA

PC# 338CE

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ALTIMETER & STATIC SYSTEM CHECKS
F.A.R. 91.411

DATE	MANUFACTURER	MODEL	SERIAL NO.	LOCATION	MAX. ALT.	RECHECK REQUIRED	APPROVED BY: AGENCY	CERT. NO.

ALTIMETER, STATIC, AND TRANPONDER CERTIFICATE
N456AK Pilot PFD

Wisconsin Aviation Inc. Madison, WI 53704 608-268-5006
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.	5	-6	-7	-7	-7	-8	-8	-9	-8	-8	-9	-9	-11	-11	-11
Test Alt. x 1k Ft.	20	22	25	30	35	40	45	50	Case Leak	OK	Hystersis Tol + 75 Ft.				
Tol. ± Ft.	130	140	155	180	205	230	255	260	Tol. 100 Ft	OK	50% Max	2			
Actual ± Ft.	-12	X	X	X	X	X	X	X	Temp	20	40% Max	2			

ALTIMETER
MAKE: Avidyne
MODEL: 15222
S/N: 26563464

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: 112265

TRANSPONDER MAKE: Garmin MODEL: GTX 327 S/N: 83733028

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: May 7, 2010 W.O.: AV10-9612 Signed:

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

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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.

ALTIMETER, STATIC, AND TRANPONDER CERTIFICATE
N456AK Standby Altimeter

Wisconsin Aviation Inc. Madison, WI 53704 608-268-5006
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.	15	-5	0	0	0	0	0	0	-15	-35	-45	-60	-65	-50	-40
Test Alt. x 1k Ft.	20	22	25	30	35	40	45	50	Case Leak	OK	Hystersis Tol + 75 Ft.				
Tol. ± Ft.	130	140	155	180	205	230	255	260	Tol. 100 Ft	OK	50% Max	15			
Actual ± Ft.	-15	X	X	X	X	X	X	X	Temp	20	40% Max	15			

ALTIMETER
MAKE: United
MODEL: 12731-002
S/N: 467231

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: 112265

TRANSPONDER MAKE: Garmin MODEL: GTX 327 S/N: 83733028

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: May 7, 2010 W.O.: AV10-9612 Signed:

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

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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.

ALTIMETER, STATIC, AND TRANPONDER CERTIFICATE
N456AK PFD

Wisconsin Aviation Inc. Madison, WI 53704 608-268-5006
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	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-15	-15	-15	-15

Test Alt. x 1k Ft.	20	22	25	30	35	40	45	50	Case Leak	OK	Hystersis Tol + 75 Ft.	
Tol. ± Ft.	130	140	155	180	205	230	255	260	Tol. 100 Ft	9	50% Max	5
Actual ± Ft.	-15	X	X	X	X	X	X	X	Temp	70F	40% Max	0

ALTIMETER
MAKE: Avidyne
MODEL: 15222
S/N: 26563464

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: 112265

TRANSPONDER MAKE: Garmin MODEL: GTX 327 S/N: 83733028

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: May 23, 2012 W.O.: 11272 Hobbs: 488.9 Signed:

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

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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.

ALTIMETER, STATIC, AND TRANPONDER CERTIFICATE
N456AK STBY Altimeter

Wisconsin Aviation Inc. Madison, WI 53704 608-268-5006
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.	5	5	0	0	5	0	0	0	-20	-35	-50	-60	-60	-50	-40
Test Alt. x 1k Ft.	20	22	25	30	35	40	45	50	Case Leak	OK	Hystersis Tol + 75 Ft.				
Tol. ± Ft.	130	140	155	180	205	230	255	260	Tol. 100 Ft	9	50% Max	30			
Actual ± Ft.	-15	X	X	X	X	X	X	X	Temp	70F	40% Max	20			

ALTIMETER
MAKE: United
MODEL: 12731-002
S/N: 467231

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: 112265

TRANSPONDER MAKE: Garmin MODEL: GTX 327 S/N: 83733028

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: May 23, 2012 W.O.: 11272 Hobbs: 488.9 Signed:

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

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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.

ALTIMETER, STATIC, AND TRANPONDER CERTIFICATE

N456AK

Stby

Wisconsin Aviation-Four Lakes Inc. Madison, WI 53704 608-268-5006

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	10	5	10	5	10	10	-5	-25	-40	-50	-55	-40	-25
Test Alt. x 1k Ft.	20	22	25	30	35	40	45	50	Case Leak	OK	Hysteresis Tol + 75 Ft.				
Tol. ± Ft.	130	140	155	180	205	230	255	260	Tol. 100 Ft	5	50% Max	15			
Actual ± Ft.	-5	X	X	X	X	X	X	X	Temp C	18	40% Max	15			

ALTIMETER

MAKE: United
MODEL: 12731-002
S/N: 467231

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: 112265

TRANSPONDER MAKE: Garmin MODEL: GTX-327 S/N: 83733028

#2 TRANSPONDER

MAKE: X
MODEL: X
S/N: X

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: 5/23/14 W.O.: AV14-13147 Hobbs: 654.0 Signed:

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RADIO & ELECTRONIC CHECKS

TOTAL TIME	EQUIPMENT CHECKED	TYPE OF CHECK	ERROR OR RESULTS	NEXT CHECK DUE	CHECKED BY: SIGNATURE — CERT. NO.

ALTIMETER, STATIC, AND TRANPONDER CERTIFICATE

N456AK

PFD

Wisconsin Aviation –Four Lakes Inc. Madison, WI 53704 608-268-5006

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	-10	-10	-10	-10	-15	-15	-15	-15	-15	-20	-20	-20	-20	-20
Test Alt. x 1k Ft.	20	22	25	30	35	40	45	50	Case Leak	OK	Hysteresis Tol + 75 Ft.				
Tol. ± Ft.	130	140	155	180	205	230	255	260	Tol. 100 Ft	5	50% Max	5			
Actual ± Ft.	-20	X	X	X	X	X	X	X	Temp C	18	40% Max	0			

ALTIMETER

MAKE: Avidyne
MODEL: EXP5000
S/N: 26563464

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: 112265

TRANSPONDER MAKE: Garmin MODEL: GTX-327 S/N: 83733028

#2 TRANSPONDER

MAKE: X
MODEL: X
S/N: X

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: 5/23/14 W.O.: AV14-13147 Hobbs: 654.0 Signed:

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RADIO & ELECTRONIC CHECKS

2016

DATE	TOTAL TIME	EQUIPMENT CHECKED	TYPE OF CHECK	ERROR OR RESULTS	NEXT CHECK DUE	CHECKED BY: SIGNATURE — CERT. NO.

ALTIMETER, STATIC, AND TRANPONDER CERTIFICATE

N456AK

PFD

Wisconsin Aviation –Four Lakes Inc. Madison, WI 53704 608-268-5006

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	-5	-10	-10	-10	-10	-10	-10	-10	-15	-15	-15	-20	-20	-20
Test Alt. x 1k Ft.	20	22	25	30	35	40	45	50	Case Leak	OK	Hysteresis Tol + 75 Ft.				
Tol. ± Ft.	130	140	155	180	205	230	255	260	Tol. 100 Ft	5	50% Max	0			
Actual ± Ft.	-20	X	X	X	X	X	X	X	Temp C	20	40% Max	5			

ALTIMETER

MAKE: Avidyne
MODEL: EXP5000
S/N: 26563464

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: 112265

TRANSPONDER MAKE: Garmin MODEL: GTX-327 S/N: 83733028

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: 3/23/16 W.O.: AV16-14606 Hobbs: 768.2 Signed:

#2 TRANSPONDER

MAKE: X
MODEL: X
S/N: X

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RADIO & ELECTRONIC CHECKS

2016

DATE	TOTAL TIME	EQUIPMENT CHECKED	TYPE OF CHECK	ERROR OR RESULTS	NEXT CHECK DUE	CHECKED BY: SIGNATURE — CERT. NO.

ALTIMETER, STATIC, AND TRANPONDER CERTIFICATE

N456AK

Wisconsin Aviation-Four Lakes Inc. Stby Madison, WI 53704 608-268-5006

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.	-15	-5	5	5	10	5	10	5	-15	-30	-40	-55	-60	-40	-30
Test Alt. x 1k Ft.	20	22	25	30	35	40	45	50	Case Leak	OK	Hysteresis Tol + 75 Ft.				
Tol. ± Ft.	130	140	155	180	205	230	255	260	Tol. 100 Ft	5	50% Max	10			
Actual ± Ft.	-5	X	X	X	X	X	X	X	Temp C	20	40% Max	15			

ALTIMETER

MAKE: United
MODEL: 12731-002
S/N: 467231

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: 112265

TRANSPONDER MAKE: Garmin MODEL: GTX-327 S/N: 83733028

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: 3/23/16 W.O.: AV16-14606 Hobbs: 768.2 Signed:

#2 TRANSPONDER

MAKE: X
MODEL: X
S/N: X

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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.

Performed Cirrus Maintenance 50hr In-Service Inspection. Installed new fuel strainer kit p/n 1742243-05. Visually inspected exhaust, found ok Doug Cash A&P 3268592 IA

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100HK

1. Approving National Aviation Authority/Country:	2.	3. Form Tracking Number:
FAA/United States	**AUTHORIZED RELEASE CERTIFICATE** FAA Form 8130–3, AIRWORTHINESS APPROVAL TAG	9002999

4. Organization Name and Address:	5. Work Order/Contract/Invoice Number:
Avidyne Corporation, 202 West Drive Melbourne FL 32904 (Phone: 321.821.5224 Fax:321.821.5203)	9002999

6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	Primary Flight Display	700-00006-000	N/A	1	20078087	Repair

13. Remarks:

The task Specified has been accomplished in accordance with 600-00128-004rev02

Refer to Returned Material Authorization 9002999 for service details.

This article has been tested and inspected and found to comply with appendix E of 14 CFR 43 and 630-00129-000rev21 in accordance with 14 CFR 91.411

Replaced w/ DFC90

Mods Installed:34,36,37,38,39,40,43,47,52
Software installed: 530-00194-000rev02

14. Certifies the items identified above were manufactured in conformity to:		19. ☑ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 13	
☐ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 13.		Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.	
15. Authorized Signature:	16. Approval/Authorization No.:	20. Authorized Signature:	21. Approval/Certificate No.: 1VAR161B
17. Name (Typed or Printed):	18. Date (m/d/y):	22. Name (Typed or Printed): Richard Stichter	23. Date (m/d/y): 08/06/08

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

FAA Form 8130–3 (6–01) *Installer must cross-check eligibility with applicable technical data. NSN: 0052-00-012-9005

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AVIDYNE

Repair History Worksheet

(Melbourne, FL Service Center 1VAR161B; Form 630-00768-009 Rev 00)

Incoming Information (Inbound):

Record the following information regarding the incoming configuration of the returned for maintenance equipment.

Unit Type:	PFD	SN:	20078087	RMA#:	9002999	Job Number:	CSD25718 SVCRR
Date Received:	24-Jul-08	PO#:		RMA Type: Repair and Return		Warranty: IN:	OUT: X
Date Completed:		Customer:	Cirrus Design			A/C Make and Model:	Cirrus SR22

Problem Reported (Reason for Return): Screen has intermittent failure, growing gap on left side an occasionally lines out.

H/W Part #: 700-00006-000 REV: 37 S/W Part #: 530-00194-000 REV: 01

Airworthiness Directives:

Record any Airworthiness Directives applicable to the article (N/A if none). If airworthiness directives apply to this article, they must be complied with before this article can be approved for return to service. An inspector must validate this entry.

AD#	Description	Compliance (X)	Inspection
2008 06 28	PFDs displaying incorrect attitude, altitude, and airspeed information.	JPR	

Receiving/ Receiving Inspection:

Record Inspection findings including container damage, missing paperwork or unit damage (N/A if none). All findings of nonconformance shall be addressed in accordance with the nonconformance procedure in the Repair Station Manual. If no findings record "no findings".

Non-Conformance Reason Results: N/A (see collection plan elements)

Date	Findings (Oracle Instructions: Record Data in Receiving/Receiving Inspection Comments Field)	Inspection
7/24/08	Bezel and Glass in fair condition - no findings -	

Mod Configuration:

Incoming Mods: Record the mods previously completed (refer to TSO label on the unit and record in table below). Outgoing Mods: Record mods to be installed in the table below, based on the Reason for Return and Applicable Service Bulletins. Use initials to indicate verification.

Mod Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Incoming (X)																				
Outgoing (X)																				
Verified by																				

Mod Number	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
Incoming (X)														X		X	X	X	X	X
Outgoing (X)																				
Verified by																				

Mod Number	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
Incoming (X)			X																	
Outgoing (X)						AR	X	AR				AR								
Verified by							AG													

Outgoing Information (Outbound):

Record the following information regarding the outgoing configuration of the returned for maintenance equipment. Record "same" if no change.

H/W Part #: 700-00006-000 REV: 37 S/W Part #: 530-00194-000 REV: 02

Reason for Return Verified: Yes: ✓ No: ____ No Trouble Found: ☐ (✓)

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Preliminary Inspection (Initial Findings):

Record Preliminary Inspection Findings. All findings of nonconformance shall be addressed in accordance with the nonconformance procedure in the Repair Station Manual. If no findings record "no findings".

Date	Findings (Oracle Instructions: Record Data in Preliminary Inspection Comments Field)	Failure Code	Results Code	Inspections
7-25-08	MET passes drift check and ATP perf test with no indication of reported discrepancy - fwd to HASS	20	2,3	WS
	UNIT DISPLAY HAD COLORED LINES. SEE REWORK LOG SHEET FOR MORE INFORMATION	7	1	GA

Maintenance (Service Performed):

Record all actions taken during maintenance activities and inspection results. All findings of nonconformance shall be addressed in accordance with the nonconformance procedure in the Repair Station Manual. In-Process Inspections shall be performed by a Technician / Inspector other than the one that performed the maintenance. Use additional sheets if needed. If no findings record "no findings".
Record parts replaced in next section.

Date	Actions Taken (Oracle Instructions: Record Data in Service Performed Comments Field)	Technician	Inspections
8-1-8	Replaced ADM for mods JPR INCORPORATED APPLICABLE	AG	JPR
8-1-8	Replaced LCD	AG	JPR

Parts Replaced:

All parts replaced shall be recorded below as required. Do not include parts that are replaced for Mods except for serialized components.

Description	Circuit Designator	Date Code	Part Number / Rev Incoming	Serial Number / Rev Incoming Part	Part Number / Rev Out Going Part	Serial Number / Rev Out Going Part
ADM			710-00075-004	2169/165	710-00075-004	0624123276 A7
LCD			710-00055-001	P1045/40411 2429 A2	710-00055-001	P1045/40311 40984 A3

Hidden Damage Inspection:

Record all hidden damage found. All findings of nonconformance shall be addressed in accordance with the nonconformance procedure in the Repair Station Manual. If no findings record "no findings".

Date	Findings (Oracle Instructions: Record Data in Hidden Damage Inspection Comments Field)	Inspection
	N/A	RGS

Final Acceptance:

Indicate the acceptance document (and revision) used to return ths article to service. Record final acceptance Accept or Reject. Comments and indicate Acceptance by initialing and dating the inspection block

Final ATP/CMM/PMM Part Number: 630-00129-000 Revision: 21

Accept / Reject	Date	Findings / Comments: (Oracle Instructions: Record Data in Final Acceptance Comments Field)	Inspection
ACCEPT	8/5/8		RGS

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MAINTENANCE RECORD
F.A.R. 43.9

Classic Aviation, Inc. 501 West 15th Street, Pella, IA 50219

Date: 08-28-2008
Hobbs Time: 25

Logbook Entry for: N509PG
Aircraft Serial Number: 1979

Performed Cirrus Delivery Quality Check II (25 hours flight time). Installed new fuel strainer kit p/n 1742243-05. Installed new insulation on fresh air duct (old insulation torn) kit p/n 70194-001.

Doug Cash A&P 3268592 IA

Classic Aviation, Inc. 501 West 15th Street, Pella, IA 50219

Date: 08-30-2008
Hobbs Time: 25.5

Logbook Entry for: N509PG
Aircraft Serial Number: 1979

Installed exchange PFD unit p/n 700-00006-000 s/n 20078087 from Avidyne (see FAA form 8130-3 from Avidyne wo# 9002999). Performed operational inspection, found ok.

Doug Cash A&P 3268592 IA

Classic Aviation, Inc. 501 West 15th Street, Pella, IA 50219

Date: 09-22-2008
Flight Hobbs Time: 49.7

Logbook Entry for: N509PG
Aircraft Serial Number: 1979

Performed Cirrus Maintenance 50hr In-Service Inspection. Installed new fuel strainer kit p/n 1742243-05. Visually inspected exhaust, found ok. Doug Cash A&P 3268592 IA

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MAINTENANCE RECORD

DATE OF COMPLETION

MAKE: Cirrus
MODEL: SR20
S/N: 1979
REG. NO: 509PG
WORK ORDER:
12077-09-2008

Cirrus Design Factory Service Center
Repair Station No. YD5R855Y
4515 Taylor Circle
Duluth, MN 55811
Phone: 218- 788-3438

DATE: 10/3/2008
A/C TSN: 63.6
HOBBS: 63.6

VICE

Airframe Entries

(2) Flight time 53.0 hrs.... (7) Removed and Replaced aircraft stripe package IAW CDC SR20 MM 20-30 and 51-30.... (8) Removed and Replaced LH and RH crew seat covers (P/N 20907-003 and -004) and LH and RH passenger seat covers (P/N 12954-001 and -002) IAW CDC SR20 MM 25-10.... (10) Removed and Replaced LWR windshield ring slate grey (P/N 14652-004) IAW CDC AMM 25-10.... (11) Replaced baggage door trim panel, PN 20429-002, IAW SR22 AMM 25-10.... (12) Updated Nav data on the #2 GNS 430 IAW manufacturers instructions. GPS #2 functional checks satisfactory.

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

DATE: 10/3/2008

SIGNED:
Mitch Knase
Certified Repair Station No. YD5R855Y

Work Order: 12077-09-2008
Printed by EBis 3 (datcomedia.com)

MAKE: Cirrus
MODEL: SR20
S/N: 1979
REG. NO: 509PG
WORK ORDER:
12113-10-2008

Cirrus Design Factory Service Center
Repair Station No. YD5R855Y
4515 Taylor Circle
Duluth, MN 55811
Phone: 218- 788-3438

DATE: 10/4/2008
A/C TSN: 68.5
HOBBS: 68.5

Airframe Entries

(3) Lubricated all locks and adjusted RH upper door striker pin IAW AMM 52-10 OPS check 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 repair are on file at this Certified Repair Station CRS YD5R855Y.

DATE: 10/4/2008

SIGNED:
Curt Kracke
Certified Repair Station No. YD5R855Y

Work Order: 12113-10-2008
Printed by EBis 3 (datcomedia.com)

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MAINTENANCE RECORD

FAR 43.9

DATE OF COMPLETION

MAK
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S/N
REG
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1211

Air

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DA

Maintenance Release

The aircraft, airframe, aircraft engine, propeller or appliance identified below was repaired and inspection in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

Pertinent details of the repairs under Work Order # 12148-10-2008 are herein attached

Dated 10/11/08

Inspected by Mike Gaw

Cert. # YD5R855Y

HRS 162

SERVICEABLE

Name GNS-430W

Unit GARMIN GNS 430 W

Part # 12718-071 Ser. # 23405759

Aircraft N48ZPG ID #

Disposition REMOVED AS SERVICEABLE

Reason for Removal SERVICEABLE

Removed by Mike Gaw Date 10/11/08

AD or Service Bulletins

Work Performed REMOVED

FAA Certificate No.

Cirrus Design Factory Service Center
4515 Taylor Circle • Duluth, MN 55811
(218) 788-3850
CRS# YD5R855Y

REG. NO. 509PG
WORK ORDER:
12148-10-2008

Duluth, MN 55811
Phone: 218- 788-3438

Airframe Entries

(3) Removed GNS430W #2 P/N 12718-071 S/N 23406193 and installed P/N 12718-071 S/N 23405759 IAW SR22 AMM 34-40. Functional check satisfactory.

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

DATE: 10/11/2008

SIGNED:

Curt Kracke
Certified Repair Station No. YD5R855Y

Work Order: 12148-10-2008

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MAINTENANCE RECORD
F.A.R. 43.9

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

MAKE: Cirrus
MODEL: SR20
S/N: 1979
REG. NO: 509PG
WORK ORDER:
12117-10-2008

Cirrus Design Factory Service Center
Repair Station No. YD5R855Y
4515 Taylor Circle
Duluth, MN 55811
Phone: 218- 788-3438

DATE: 10/8/2008
A/C TSN: 76.7
HOBBS: 76.7

Airframe Entries

(3) Flight Hours: 65.1... (4) Complied with Service Buelletin 2X-71-04 R5, Installation of Winterization Kit, by installing kit P/N 70102-002 and inserting supplement into the Pilot's Operating Handbook IAW the Service Bulletin instructions.

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

DATE: 10/8/2008 **SIGNED:**
Karl Hagglund
Certified Repair Station No. YD5R855Y

Work Order: 12117-10-2008
Printed by EBis 3 (datcomedia.com)

MAKE: Cirrus
MODEL: SR20
S/N: 1979
REG. NO: 509PG
WORK ORDER:
12148-10-2008

Cirrus Design Factory Service Center
Repair Station No. YD5R855Y
4515 Taylor Circle
Duluth, MN 55811
Phone: 218- 788-3438

DATE: 10/11/2008
A/C TSN: 76.7
HOBBS: 76.7

Airframe Entries

(3) Removed GNS430W #2 P/N 12718-071 S/N 23406193 and installed P/N 12718-071 S/N 23405759 IAW SR22 AMM 34-40. Functional check satisfactory.

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

DATE: 10/11/2008 **SIGNED:**
Curt Kracke
Certified Repair Station No. YD5R855Y

Work Order: 12148-10-2008
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MAINTENANCE RECORD
F.A.R. 43.9

Oct. 10. 2008 9:56AM AEROSPACE REPORTS No. 5653 P. 1

U.S. Department of Transportation

Federal Aviation Administration

ASSIGNMENT OF SPECIAL REGISTRATION NUMBERS

Special Registration Number
N456AK

Aircraft Make and Model
CIRRUS DESIGN CORP SR20

Present Registration Number
N509PG

Serial Number
1979

Issue Date:
Oct 10, 2008

ICAO AIRCRAFT ADDRESS CODE FOR N456AK - 51304160

FULLETT KENNETH
5S455 ALLISON LN
NAPERVILLE IL 60540-3800

This is your authority to change the United States registration number on the above described aircraft to the special registration number shown.

Carry duplicate of this form in the aircraft together with the old registration certificate as interim authority to operate the aircraft pending receipt of revised certificate of registration. Obtain a revised certificate of airworthiness from your nearest Flight Standards District Office.

The latest FAA Form 8130-6

REPAIR STATION UNDER W.O. #16977 DATE: DECEMBER 30,
SIGNED: DONALD K. MORGAN For
J.A. AIR CENTER, AURORA AIRPORT, SUGAR GROVE, IL 60554
F.A.A. APPROVED REPAIR STATION #NF2R029L

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MAINTENANCE RECORD
F.A.R. 43.9

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

Date: 11/21/2008; Aircraft: N456AK; Type: SR20; S/N: 1979; Hobbs: 85.3; Total Time: 79.0
Flt Hobbs: 85.3
Airframe Work4376

Tightened left and right cabin door striker plates and lubed latch mechanism. Replaced flight hobbs differential switch p/n 14128-001 with new. Aircraft flew 6.3 hrs during flight hobbs malfunction. Using Emax data, we determined that we need to subtract 6.3 hours of time from the flight timer. Aircraft total time = flight hobbs -(minus) 6.3 hrs. Aircraft total time is 79.0 hrs.

All work performed in accordance with Cirrus Design SR 20 Maintenance Manual.

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

J A AIR CENTER DuPage Airport/WestChicago, IL. 60185
Repair Station #NF2R029L AIRFRAME LOG
Type CIRRUS SR20 TT
N # 456AK
S/N 1979 REC. HR. METER 109

INSTALL CUSTOMER SUPPLIED ENGINE HEATER:
INSTALLED REIFF ENGINE HEATER AND FLUSH MOUNT PLUG. WEIGHT & BALANCE DATA UPDATED.
THE AIRCRAFT, ENGINE, APPLIANCE, OR COMPONENT IDENTIFIED WAS REPAIRED & INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER W.O. # 16977 DATE: DECEMBER 30, 2008
SIGNED: DONALD K. MORGAN For
J.A. AIR CENTER, AURORA AIRPORT, SUGAR GROVE, IL 60554
F.A.A. APPROVED REPAIR STATION #NF2R029L

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DATE OF COMPLETION

1. Approving National Aviation Authority/Country: FAA/UNITED STATES	2. **AUTHORIZED RELEA** **FAA Form 8130-3, AIRWORTHI**

IFICATE NO.
URNED TO SERVICE

4. Organization: GARMIN International 1200 E 151st Olathe, KS 66062 Certifica

6. Item:	7. Description:	8. Part Number:	9. Eligibility: *
1.	GNS430W,Blk	011-01060-00	N/A

13. REMARKS: Unit meets operational performance specifications. Updated software to latest version and aligned unit to opti normal limits. Unit acquired satellites. OK to Return to service.

The Main and GPS software is at the latest revision. This unit complies with Garmin's Service Bulletins No. 0740, 0808 and 0818. It the responsibility of the Installer to verify that the installation complies with the Service Bulletins listed above. If this unit is part of a to assess the installation compatibility.

This "Certifies that the work specified in block 12/13 was carried out in accordance with EASA Part-145 and in respect to that work performed on this unit was done to meet the requirements of all sections of the maintenance manual part number 190-00364-00 Rev-

9

MAINTENANCE RELEASE

The aircraft, airframe, engine, appliance, or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this repair station under

WO 215383 Date 1-16-09 Tach/Hobbs Signatur

Inspector (print) DAVID H KRANT

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AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

1. Approving National Aviation Authority/Country: FAA/UNITED STATES

2.

3. System Tracking Ref. No.: RMA 11879829

4. Organization: GARMIN International 1200 E 151st Olathe, KS 66062 Certificate No. G6XR582Y

5. Work Order Contract/Invoice Number: RMA 11879829

6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1.	GNS430W,Blk	011-01060-00	N/A	1	23405759	REPAIRED

13. REMARKS: Unit meets operational performance specifications. Updated software to latest version and aligned unit to optimum performance. Master cleared unit to restore factory default settings. Unit passes its ATE tests and is operating within normal limits. Unit acquired satellites. OK to Return to service.

The Main and GPS software is at the latest revision. This unit complies with Garmin's Service Bulletins No. 0740, 0808 and 0818. It is the responsibility of the installer to verify that the manuals and addendum in the aircraft are at the correct revision. It is also the responsibility of the Installer to verify that the installation complies with the Service Bulletins listed above. If this unit is part of a dual unit installation Garmin recommends that both units have the same software levels. It is the responsibility of the installer to assess the installation compatibility.

This "Certifies that the work specified in block 12/13 was carried out in accordance with EASA Part-145 and in respect to that work the component is ready for release to service under EASA Part-145 Approval Number: EASA.145.5534". The work that was performed on this unit was done to meet the requirements of all sections of the maintenance manual part number 190-00364-00 Rev- S, Revision Date 11/25/2008.

All repaired or replaced GARMIN units have a 90-day warranty or the continuation of the original factory warranty from the original purchase date, whichever is longer.

14. Certifies the items identified above were manufactured in conformity to:

- ☐ Approved design data and are in condition for safe operation
- ☐ Non-approved design data specified in block 13

19. ☒ 14 CFR 43.9 Return to Service ☒ Other regulations specified in Block 13

Certifies that unless otherwise specified in block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

15. Authorized Signature	16. Approval/Authorization No.:	20. Authorized Signature	21. Approval/Certificate No.:
N / A	N / A	Paul E Brand	G6XR582Y
17. Name (Typed or Printed	**18. Date (m/d/y)**	**22. Name (Typed or Printed)**	**23. Date (m/d/y)**
N / A	N / A	Paul E Brand	1/13/2009

User/Installer Responsibilities

It is important to understand that the existence of this Document alone does not automatically constitute authority to install the part/component/assembly.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the Airworthiness Authority of the country specified in block 1.

Statements in block 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

FAA Form 8130-3 (6-01) Computer Generated, GARMIN International Inc. P/N 002-00007-00 Rev. B * Installer must cross-check eligibility with applicable technical data.

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FAA Form 8130-3 (6-01) Computer Generated, ...

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

J.A. AIR CENTER
Aurora Airport • Sugar Grove, IL 60554
FAA Repair Station #NF2R029L

Type
S/N
N#

Description of work done:

AIRFRAME LOG ENTRY

Removed #2 GARMIN GNS430W PN 011-01060-00 SN 23405759 for Factory Repair. Recd. Reinstalled and Tested. all OK.

23405759

MAINTENANCE RELEASE

The aircraft, airframe, engine, appliance, or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this repair station under

WO 215383 Date 1-16-09 Tach/Hobbs Signature

Inspector (*print*) DAVID H KRANT

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MAINTENANCE RECORD
F.A.R. 43.9

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

Date: 1/30/2009; Aircraft: N456AK; Type: CIRRUS SR20; S/N: 1979; Hobbs: 100.40; Total Time:; Engine - Type: IO360ES21B, S/N: 360677, Time: 100.40; Prop - Type: PHC-J3YF-1RF, S/N: FP659B, Time: 100.40, SMOH: 100.40
**** Airframe Log Entry **** Log ID 4878

Complied with Cirrus 100 hr. inspection requirements. Complied with AD 08-11-08 pressure check of exhaust inspection, no defects noted. Lubricated power lever cam and cables in center quadrant, operational check good. Installed new #4 CHT probe p/n:16578-001. Applied stabilant 22 to connections. Cleaned and applied stabilant 22 to #1 CHT probe connections. Installed adel clamp to rear baffle to secure scat tube. Installed new BA24 induction air filter. Installed new brake assembly o-rings. Bled brake system as necessary. All work performed in accordance with Cirrus SR20 Service Manual. "I certify that this aircraft has been inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition."
Don Hover
AP 127540217 IA

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

☐ Wisconsin Aviation - Watertown
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Watertown, WI 53094
920-261-4567

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MAINTENANCE RECORD

DATE OF COMPLETION

FICATE NO.
URNED TO SERVICE

1. Approving National Aviation Authority/Country:	2. AUTHORIZED RELEA
FAA/UNITED STATES	FAA Form 8130-3, AIRWORTHI

4. Organization: GARMIN International 1200 E 151st Olathe, KS 66062 Certifica

6. Item:	7. Description:	8. Part Number:	9. Eligibility: *
1.	GNS430W,Blk	011-01060-00	N/A

13. REMARKS: Confirmed problem. Adjusted all contrast levels Ambient, Cold, and Hot to correct the discrepancy. Replaced Master cleared unit to restore factory default settings. Unit passes its ATE tests and is operating within normal limits. Unit acquired

The Main and GPS software is at the latest revision. This unit complies with Garmin's Service Bulletins No. 0740, 0808 and 0818. It the responsibility of the Installer to verify that the installation complies with the Service Bulletins listed above. If this unit is part of a to assess the installation compatibility.

This "Certifies that the work specified in block 12/13 was carried out in accordance with EASA Part-145 and in respect to that work performed on this unit was done to meet the requirements of all sections of the maintenance manual part number 190-00364-00 Rev-

4/11/09	FLT 123.9	Added 1 Qt oil from 6 to 7 Qts Kenneth Fullett IP 3073186	

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1. Approving National Aviation Authority/Country: FAA/UNITED STATES

2. **AUTHORIZED RELEASE CERTIFICATE**

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. System Tracking Ref. No. RMA 12110405

4. Organization: GARMIN International 1200 E 151st Olathe, KS 66062 Certificate No. G6XR582Y

5. Work Order Contract/Invoice Number: RMA 12110405

6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1.	GNS430W,Blk	011-01060-00	N/A	1	23406215	REPAIRED

13. REMARKS: Confirmed problem. Adjusted all contrast levels Ambient, Cold, and Hot to correct the discrepancy. Replaced the G/S Board to correct an unrelated issue. Updated software to latest version and aligned unit to optimum performance. Master cleared unit to restore factory default settings. Unit passes its ATE tests and is operating within normal limits. Unit acquired satellites. OK to Return to service.

The Main and GPS software is at the latest revision. This unit complies with Garmin's Service Bulletins No. 0740, 0808 and 0818. It is the responsibility of the installer to verify that the manuals and addendum in the aircraft are at the correct revision. It is also the responsibility of the Installer to verify that the installation complies with the Service Bulletins listed above. If this unit is part of a dual unit installation Garmin recommends that both units have the same software levels. It is the responsibility of the installer to assess the installation compatibility.

This "Certifies that the work specified in block 12/13 was carried out in accordance with EASA Part-145 and in respect to that work the component is ready for release to service under EASA Part-145 Approval Number: EASA.145.5534". The work that was performed on this unit was done to meet the requirements of all sections of the maintenance manual part number 190-00364-00 Rev- S, Revision Date 11/25/2008.

All repaired or replaced GARMIN units have a 90-day warranty or the continuation of the original factory warranty from the original purchase date, whichever is longer.

14. Certifies the items identified above were manufactured in conformity to:

- ☐ Approved design data and are in condition for safe operation
- ☐ Non-approved design data specified in block 13

19. ☒ 14 CFR 43.9 Return to Service ☒ Other regulations specified in Block 13

Certifies that unless otherwise specified in block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

15. Authorized Signature	16. Approval/Authorization No.:	20. Authorized Signature:	21. Approval/Certificate No.:
N / A	N / A	Stephen E. Abels	G6XR582Y
17. Name (Typed or Printed	**18. Date (m/d/y)**	**22. Name (Typed or Printed)**	**23. Date (m/d/y)**
N / A	N / A	Stephen E. Abels	1/30/2009

User/Installer Responsibilities

It is important to understand that the existence of this Document alone does not automatically constitute authority to install the part/component/assembly.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the Airworthiness Authority of the country specified in block 1.

Statements in block 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

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block 1.

Statements in block 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records mu
national regulations by the user/installer before the aircraft may be flown.

DATE OF COMPLETION

J.A. AIR CENTER
Aurora Airport • Sugar Grove, IL 60554
FAA Repair Station #NF2R029L
AIRFRAME LOG ENTRY

Type Cirrus SR20
S/N 1979
N# 456AK

Description of work done:

Removed loaner GNS430W. Reinstalled factory repaired GNS430W S/N 23406215. Setup and tested.

Updated main software to 3.20 and GPS software to 3.2 on GNS430W's S/N 97120149 and 23406215 in accordance with Garmin Software Service Bulletin No. 0848 Rev A. dated February 3, 2009.

Final tests ok at this time.

wrong serial # → See corrected entry pg 37

MAINTENANCE RELEASE

The aircraft, airframe, engine, appliance, or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this repair station under

WO 213505 Date 13 Feb 2009 Tach/Hobbs 140.2 Signature

213506
213390

Inspector (*print*) Luke W. Gomoll

4/11/09	FLT 123.9	Added 1 Qt oil from 6 to 7 Qts	
		Kenneth Fullett A&P 3073186	

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Date: 5/08/2009; Aircraft: N456AK; Type: SR20; S/N: 1979; Hobbs: 129.6; Total Time: 123.3; Engine - Type: IO-360ES21, S/N: 360677, Time: 123.3; Prop - Type: PHC-J3YF-1RF, S/N: FP6595B, Time: 123.3
Flt Hobbs: 129.6 Hobbs: 158.9.

DATE OF COMPLETION

Airframe Work ID 4671

Completed an Annual inspection (Cirrus Maintenance Program 25, 50, 100 hr and 6 Mo. interval items) in accordance with the Cirrus Design SR20 Inspection Form and Service Manual.
AD 07-14-03 (8/16/07) pick up collar support replacement, not applicable by serial number.
AD 08-03-16 (3/11/08) rudder-aileron interconnect modification, not applicable by serial number.
AD 08-11-18 (7/7/08) SR20 heat exchanger pressure test and inspection, not applicable by serial number.
AD 08-14-13 (8/14/08) Cabin door rod end replacement, not applicable by serial number.
AD 09-05-05 (04/03/009) PFD - incorrect attitude, altitude and airspeed information, not applicable by Mod. 52 completed. This meets the requirements of para (f)(2)(i).
Complied with SB 2X-71-10R1 oil breather line insulation sleeve by installation of kit p/n 70230-001. -Continued-

-Continued- ***Airframe Work*** ID 4671

Inspected and tested ELT in accordance with FAR 91.207(d), no defects noted, next due 05/2010. ELT battery due 07/2013. Re-torqued engine bridge mount bolts. Replaced right wheel pant protector p/n AK-009/MAIN #6 -R with new. Replaced co-pilots door seal p/n 52010-008U with new. Checked and re-rigged pilot and co-pilots door. Cleaned, prepped and painted underside of left and right wings by the flaps and left and right wing cuffs, underside of left wing root and left outboard flap well. Replaced headliner standoff locking clickbond p/n 50757-008 with new. Replaced #4 cylinder CHT probe p/n 16578-001 with new. Elevator rigging checked good. Pitch trim cartridge inspection/checked good. Adjusted elevator trim tab to neutral position. Replaced both exterior chrome D handles p/n 10690-002 with new. Replaced induction air filter p/n BA-24 with new. Replaced gascolator filter p/n 1742243-05 with new, next due 223.3 ACTT. Replaced left and right brake caliper o-rings p/n 101-34500 with new. Bled brakes and serviced reservoir. 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

K. K. Fenske IA2886592

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J.A. AIR CENTER
Aurora Airport • Sugar Grove, IL 60554
FAA Repair Station #NF2R029L

AIRFRAME LOG ENTRY

Type Cirrus SR20
S/N 1979
N# 456AK

CERTIFICATE NO.
D/RETURNED TO SERVICE

Description of work done:

Updated Main SWv 3.11 to 3.20 and GPS SWv 3.1 to 3.2 in accordance with Garmin Software Service Bulletin NO: 0848 Rev. A dated 03FEB2009.

Dual Garmin GNS-430W units
P/N 011-01060-00
S/N 23405759
S/N 23406215

Corrected Entry

MAINTENANCE RELEASE

The aircraft, airframe, engine, appliance, or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this repair station under

WO 213505 Date 2-13-09 Tach/Hobbs 140.2 Signature
213506
Inspector (*print*) Luke W. Gomoll

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MAINTENANCE RECORD
F.A.R. 43.9

DATE OF COMPLETION

J.A. AIR CENTER
Aurora Airport • Sugar Grove, IL 60554
FAA Repair Station #NF2R029L

Type Cirrus SR20
S/N 1979
N# 456AK

Description of work done: **AIRFRAME LOG ENTRY**

Complied with Garmin Software Service Bulletin NO: 0918
Rev. A 04AUG2009. Main Software update to 3.30
Garmin GNS430W p/n: 011-01060-00 s/n: 23406215
Garmin GNS430W p/n: 011-01060-00 s/n: 23405759

Final Test OK.

MAINTENANCE RELEASE

The aircraft, airframe, engine, appliance, or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this repair station under

WO 220283 220284 Date 13AUG2009 Tach/Hobbs 201.5 Signature

Inspector (*print*) Luke W. Gomoll

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F.A.R. 43.9

DATE OF COMPLETION

FICATE NO.
RNED TO SERVICE

J A AIR CENTER AURORA AIRPORT/SUGAR GROVE, IL 60554
Repair Station #NF2R029L AIRFRAME LOG
Type CIRRUS SR20
N # 456AK uncorrected
S/N 1979 REC. HR. METER 159.6

RELOCATE ENGINE PREHEAT SOCKET-
RELOCATED ENGINE PREHEAT SOCKET ASSEMBLY. SECURED AS NECESSARY.

ALTERNATOR BELT TENSION LOW:
TIGHTENED ALTERNATOR DRIVE BELT AND SAFETIED AS NEEDED.

THE AIRCRAFT, ENGINE, APPLIANCE, OR COMPONENT IDENTIFIED WAS REPAIRED & INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER W.O. #17490 DATE: AUGUST 13, 2009
SIGNED: DONALD K. MORGAN For
J.A. AIR CENTER, AURORA AIRPORT, SUGAR GROVE, IL 60554
F.A.A. APPROVED REPAIR STATION #NF2R029L

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MAINTENANCE RECORD
F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
		Date: 9/30/2009; Aircraft: N456AK; Type: SR20; S/N: 1979; Hobbs: 166.3; Total Time: 160.0 Flt Hobbs: 166.3 Hobbs: 212.3. ***Airframe Work*** ID 5074 Replaced left and right outer sending units p/n 18739-101 and left and right inner sending units p/n 18497-101 with new. Replaced fuel quantity indicator p/n 12615-003S s/n 0113 with new. Performed fuel quantity calibration in accordance with Cirrus AMM 28-40. Replaced engine vernatherm p/n 639305 with new. Replaced co-pilot door seal p/n 52010-008 with new. Replaced right wheel fairing protector p/n AK-009-G3 with new. All work performed in accordance with Approved/Current Technical Data. 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

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

J A AIR CENTER AURORA AIRPORT/SUGAR GROVE, IL 60554
Repair Station #NF2R029L AIRFRAME LOG
Type CIRRUS SR-20
N # 456AK
S/N 1979 REC. HR. METER 182.8
REPLACE ENGINE BAFFLE:
INSTALLED NEW FWD LH ENGINE BAFFLE P/N 20465-003.
THE AIRCRAFT, ENGINE, APPLIANCE, OR COMPONENT IDENTIFIED WAS REPAIRED & INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER W.O. #17730 DATE: NOVEMBER 6, 2009
SIGNED: For
J.A. AIR CENTER, AURORA AIRPORT, SUGAR GROVE, IL 60554
F.A.A. APPROVED REPAIR STATION #NF2R029L

Date: 12/29/2009; Aircraft: N456AK; Type: SR20; S/N: 1979; Hobbs: 186.9; Total Time: 180.6
Airframe Work
Complied with Cirrus 50 hr inspection. Replaced #1 cylinder EGT probe p/n 16579-002 with new. Replaced #5 cylinder CHT probe p/n 16578-001 with new.Ops checked good. Replaced blower motor p/n 1133210-11 with new. All work performed in accordance with Approved/Current Technical Data.
Dan Stammen
A&P 2636878 2636878 A&P

☐ Wisconsin Aviation - Madison
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Madison, WI 53704
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MAINTENANCE RECORD
F.A.R. 43.9

DATE OF COMPLETION

SERVICE

Date: 5/10/2010; Aircraft: N456AK; Type: SR20; S/N: 1979; Hobbs: 212.7; Total Time: 206.4; Engine - Type: IO-360ES21, S/N: 360677, Time: 206.4; Prop - Type: PHC-J3YF-1RF, S/N: FP6595B, Time: 206.4
Hobbs: 275.9 Flight Hobbs: 212.7
*** Airframe Work ***

Completed an Annual inspection (Cirrus Maintenance Program 25, 50, 100hr and 6 month interval items) in accordance with the Cirrus Design SR20 Inspection Form and Service Manual. Complied with SB 2X-32-19R2 NLG Assembly inspection by visual inspection. Installed Cirrus kit# 70238-001 per SB 2X-32-19R1 para. F (1-6). Next due 312.7 ACTT. Complied with Cirrus SB2X-27-16 (10/2/09) Flap Actuator Modification by installation of flap mod kit p/n 70231-001. Complied with SB2X-05-01 by installation of brake temperature label kit p/n 70227-001 and installing temp revisions into P.O.H. Inspected and tested ELT in accordance with FAR 91.207(d), no defects noted, next due 05/2011. ELT battery due 07/2013. Performed Cirrus 24 month cabin heat mixing valve 2 year inspection, no defects noted. Next due 5/2012. Replaced #2 batteries p/n 50979-001 with new, next due 412.7 ACTT or 5/2012.

Installed PFD, p/n 700-00006-000, s/n 26563464, after DFC90 autopilot upgrade by Avidyne Corporation, CRS# 1VAR161B, Wo# 9009752, dated 4/26/2010. Performed operational check and mag compass calibration, no defects noted. Replaced right wing root fuel line p/n 18350-002 with new. Replaced left wingroot fuel line p/n 17304-002 with new. Replaced dual fuel indicator gauge p/n 12615-003 with new. Replaced inboard fuel sender dials p/n 18497-101 with new. Replaced outboard fuel sender dials p/n 18739-001 with new. Removed ventilation blower assembly, p/n 20970-003, s/n 364 and installed ventilation blower assembly, p/n 20970-002, s/n 167, after overhaul by Enviro Systems, Inc, CRS# W46133, WO# W46133, dated 5/5/2010.

*** Continued ***

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Continued Entry on Pg 44

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INSPECTION RECORD
F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION–STATUS & DISCREPANCY LIST SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE
28APR08	3.2	Production Flight Test accomplished in accordance with Cirrus Procedure #90500. Name: Frank D. Mathews Date 28APR08 Signature: Frank D. Mathews Title: Production Flight Test Pilot
8 may 2008	3.2 HRS	I find that the aircraft meets the requirements for the certification requested and have issued an U.S. Standard Airworthiness Certificate dated MAY 08 2008. The next inspection is due May / 31 / 2009. Troy J McDonald ODARF-405228-CE

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INSPECTION RECORD
F.A.R. 43.11-91.409

DATE		

Date: 5/10/2010; Aircraft: N456AK; Type: SR20; S/N: 1979; Hobbs: 212.7; Total Time: 206.4; Engine - Type: IO-360ES21, S/N: 360677, Time: 206.4; Prop - Type: PHC-J3YF-1RF, S/N: FP6595B, Time: 206.4

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

Rotated left and right main tires. Replaced left main tire tube p/n 097-500-0 with new. Installed ground EMI plate p/n 19325-001. Removed pre-heater temp sensor from oil pan and resealed with red RTV per Rieff heaters instructions.

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

Fenske IA2886592

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INSPECTION RECORD

Date: 10/08/2010; Aircraft: N456AK; Type: CIRRUS SR20; S/N: 1979; Hobbs: 263.3; Total Time: 257.0
Flt Hobbs: 263.3 Hobbs: 345.6

DATE

Airframe Work

Completed Cirrus 50 hr interval items (In-Service Inspection 1). Ground run for operational and leak check good.

All work performed in accordance with approved/current technical data.

Scott Swieciak
AP 389983841

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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: **N456AK**

Removed 55X A/P p/n 01192-34-61T-30 s/n 0812-134419. Installed DFC 90 A/P p/n 850-00170-000 s/n 1026A72970. In accordance with STC SA00296B0. Installed in aircraft Avidyne document AVDFC-030, DFC 90 airplane flight manual supplement, primary flight display release 8 pilot guide addendum and the DFC series pilot's guide . FAA form 337 completed. Weight and balance change negligible. Swapped Garmin 430's and reconfigured.

----------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: 10-8-10 **HOBBS:** 345.6 **WO#:** AV10-9975 **SIGNED:**

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

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INSPECTION RECORD
F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION-STATUS & DISCREPANCY LIST SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE	DATE
5/12/2011		Date: 5/12/2011; Aircraft: N456AK; Type: SR20; S/N: 1979; Hobbs: 299.7; Total Time: 293.4; Engine - Type: IO-360ES21, S/N: 360677, Time: 293.4; Prop - Type: PHC-J3YF-1RF, S/N: FP6595B, Time: 293.4 Hobbs: 393.7 Flight Hobbs: 299.7 *** Airframe Work *** Completed an Annual inspection (Cirrus Maintenance Program 25, 50, 100hr and 6 month interval items) in accordance with the Cirrus Design SR20 Inspection Form and Service Manual. Complied with SB 2X-32-19R2 NLG Assembly inspection by visual inspection. Next due: 393.4 ACTT. AD 10-13-10 (8/5/10) Ontic Engineering Prop Governor not applicable by Ontic governor not installed. AD 10-07-08 (4/19/10) Early Turbine Wheel failure not applicable by aircraft not turbocharged. Complied with Cirrus 300 Hour Interval Items in-service inspection, no defects noted. Inspected and tested ELT in accordance with FAR 91.207(d), no defects noted, next due 05/2012. ELT battery due 07/2013. Replaced left and right wing inboard fuel sender dials 18739-101 with new. Replaced left and right wing outboard fuel sender dials 18497-101 with new. Installed GNS430W, p/n 011-01060-00, s/n 23406215, after repair by GARMIN International, CRS# G6XR582Y, Wo# 30109101, dated 5/5/2011. Replaced left main tire with new, p/n 156E66-4, s/n 10147652. Cleaned, inspected and repacked wheel bearings. Reinstalled wheel and tire assembly. Replaced right main tire with new, p/n 156E66-4, s/n 10147646. Cleaned, inspected and repacked wheel bearings. Reinstalled wheel and tire assembly. Replaced nose gear fork thrust washer p/n 50545-001 with new. Completed composite repair on left wheel fairing per Chap. 51-20. Cleaned, prepped and painted left wheel fairing. Replaced left gear strut protector p/n FAK-009/G3/LS with new. Replaced left gear protector p/n FAK-009/G3/MAIN 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 K.K. Fenske IA2006592 ☐ Wisconsin Aviation - Madison 3606 Corben Court Madison, WI 53704 608-268-5003 ☒ Wisconsin Aviation - Watertown 1741 River Drive Watertown, WI 53094 920-261-4567	

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INSPECTION RECORD
F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION-STATUS & DISCREPANCY LIST SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE
		Date: 6/03/2011; Aircraft: N456AK; Type: SR20; S/N: 1979; Hobbs: 305.4; Total Time: 299.1 Hobbs: 402.8 Flight Hobbs: 305.4 ***Airframe Work*** Removed WX-500 Processor, p/n 805-11500-001, s/n 93665 and installed WX-500 Processor, p/n 805-11500-001, s/n 93665, after inspection by L-3 Communications Avionics Systems, Inc., CRS# NN2R037L, WO# 864731, dated 05/18/2011. Dan Stammen 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

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☒ 14 CFR 43.9 Return to Service ☒ Other regulations specified in Block 13

Certifies that unless otherwise specified in block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

Authorized Signature:	21. Approval/Certificate No.: G6XR582Y
Name (Typed or Printed) Wathana Syhavong	23. Date (m/d/y) Jul 08 2011

sponsibilities

ıte authority to install the part/component/assembly.

s authority different than the airworthiness authority of the country specified in components/assemblies from the Airworthiness Authority of the country specified in

nance records must contain an installation certification issued in accordance with the

B

* Installer must cross-check eligibility with applicable technical data.

N456AK

p/n: 011-01060-00 s/n:
und strap from WX-
e from around WX-500
l system with WX-PA

--
Regulations
vork number.

ly 28, 2011
; to Cirrus instructions

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SE CERTIFICATE

NESS APPROVAL TAG

3. System Tracking Ref. No.

S O # 1543181

5. Work Order Contract/Invoice Number:

S O # 1543181

10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	23401412	MODIFIED

o the Loaner process set forth by Garmin.

-145 and in respect to that work the component is ready for release to service under EASA Part-
et the requirements of all sections of the maintenance manual part number 190-00364-00 Rev-

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608-268-5003

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920-261-4567

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1. Approving National Aviation Authority/Country:	2.	3. System Tracking Ref. No.
FAA/UNITED STATES	**AUTHORIZED RELEASE CERTIFICATE** **FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG**	S O # 1543181

4. Organization: GARMIN International 1200 E 151st Olathe, KS 66062

5. Work Order Contract/Invoice Number: S O # 1543181

6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1.	GNS430W,Blk	011-01060-00	N/A	1	23401412	MODIFIED

13. REMARKS: This unit is a Loaner . It has been analyzed, reworked, tested, and conforms to the Loaner process set forth by Garmin.

This "Certifies that the work specified in block 12/13 was carried out in accordance with EASA Part-145 and in respect to that work the component is ready for release to service under EASA Part-145 Approval Number: EASA.145.5534". The work that was performed on this unit was done to meet the requirements of all sections of the maintenance manual part number 190-00364-00 Rev-AC, Revision Date 4/19/2011.

This unit complies with Service Bulletins No. 0740, 0808, 0818, 0848, 0918, and 0949.

14. *Certifies the items identified above were manufactured in conformity to:*

- ☐ Approved design data and are in condition for safe operation
- ☐ Non-approved design data specified in block 13

19. ☒ 14 CFR 43.9 Return to Service ☒ Other regulations specified in Block 13

Certifies that unless otherwise specified in block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

15. Authorized Signature	16. Approval/Authorization No.:	20. Authorized Signature:	21. Approval/Certificate No.:
N / A	N / A		G6XR582Y
17. Name (Typed or Printed	**18. Date (m/d/y)**	**22. Name (Typed or Printed)**	**23. Date (m/d/y)**
N / A	N / A	**Wathana Syhavong**	**Jul 08 2011**

User/Installer Responsibilities

It is important to understand that the existence of this Document alone does not automatically constitute authority to install the part/component/assembly.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the Airworthiness Authority of the country specified in block 1.

Statements in block 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

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* Installer must cross-check eligibility with applicable technical data

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INSPECTION RECORD
F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME	KIND OF INSPECTION–STATUS & DISCREPANCY LIST

WISCONSIN AVIATION FOUR LAKES, INC.

DESCRIPTION OF WORK DONE: **N456AK**

Removed GNS-430W p/n: 011-01060-00 s/n: 23406215 and installed loaner GS-430W p/n: 011-01060-00 s/n: 23401412. Configured for aircraft. Installed Lonestar 6 port cooling fan. Installed ground strap from WX-500 processor to belly ground plane. Removed half inch wide strip of ground plane tape from around WX-500 antenna to isolate antenna ground plane from the rest of aircraft ground. Ramp checked system with WX-PA ramp tester. System ramp checks satisfactory.

----------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: 7/28/11 **HOBBS:** 426.9 **WO#:** AV11-10565 **SIGNED:** E. T. Bernhook

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

N456AK Hobbs: 426.9 Flight Hobbs: 323.7 Thursday, July 28, 2011

Replaced the right fuel tank quantity sender units p/n 18497-101, and 18739-201 according to Cirrus instructions

Timothy H. Woods AP399480038

Timothy H. Woods

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608-268-5003

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1. Approving National Aviation Authority/Country:	2. AUTHORIZED RELEA
FAA/UNITED STATES	FAA Form 8130-3, AIRWORTH

4. Organization: GARMIN International 1200 E 151st Olathe, KS 66062

6. Item:	7. Description:	8. Part Number:	9. Eligibility: *
1.	GNS430W,Blk	011-01060-00	N/A

13. REMARKS: This unit is Newly Overhauled. It has been analyzed, reworked, tested, and c

This "Certifies that the work specified in block 12/13 was carried out in accordance with EASA Part 145 Approval Number: EASA.145.5534". The work that was performed on this unit was done to me AE, Revision Date 6/30/2011.

This unit complies with Service Bulletins No. 0740, 0808, 0818, 0848, 0918, and 0949.

FOR SERVICE

6AK

overhauled
amp checked

ns
r.

Gill 243
tested
Fullett PP
3073786

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1. Approving National Aviation Authority/Country:	2.	3. System Tracking Ref. No.
FAA/UNITED STATES	**AUTHORIZED RELEASE CERTIFICATE** **FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG**	S O # 1566541

4. Organization: GARMIN International 1200 E 151st Olathe, KS 66062

5. Work Order Contract/Invoice Number: S O # 1566541

6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1.	GNS430W,Blk	011-01060-00	N/A	1	23404643	OVERHAULED

13. REMARKS: This unit is Newly Overhauled. It has been analyzed, reworked, tested, and conforms to the Newly Overhauled process set forth by Garmin.

This "Certifies that the work specified in block 12/13 was carried out in accordance with EASA Part-145 and in respect to that work the component is ready for release to service under EASA Part-145 Approval Number: EASA.145.5534". The work that was performed on this unit was done to meet the requirements of all sections of the maintenance manual part number 190-00364-00 Rev-AE, Revision Date 6/30/2011.

This unit complies with Service Bulletins No. 0740, 0808, 0818, 0848, 0918, and 0949.

14. Certifies the items identified above were manufactured in conformity to:

- ☐ Approved design data and are in condition for safe operation
- ☐ Non-approved design data specified in block 13

19. ☒ 14 CFR 43.9 Return to Service ☒ Other regulations specified in Block 13

Certifies that unless otherwise specified in block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

15. Authorized Signature	16. Approval/Authorization No.:	20. Authorized Signature:	21. Approval/Certificate No.:
N / A	N / A	Donald Maddox	G6XR582Y
17. Name (Typed or Printed	**18. Date (m/d/y)**	**22. Name (Typed or Printed)**	**23. Date (m/d/y)**
N / A	N / A	Donald Maddox	Jul 21 2011

User/Installer Responsibilities

It is important to understand that the existence of this Document alone does not automatically constitute authority to install the part/component/assembly.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the Airworthiness Authority of the country specified in block 1.

Statements in block 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

Computer Generated, GARMIN International Inc. P/N 002-00007-00 Rev. B

* Installer must cross-check eligibility with applicable technical data.

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Statements in ... national regulations by ...

Computer Gen... RECORD F.A.R. 43.11-91.409 Maintenance

KIND OF INSPECTION-STATUS & DISCREPANCY LIST

SIGNATURE CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE

WISCONSIN AVIATION FOUR LAKES, INC.

DESCRIPTION OF WORK DONE: **N456AK**

Removed loaner #2 Garmin GNS-430W p/n 011-01060-00 s/n 23401412. Installed warranty overhauled exchange p/n 011-01060-00 s/n 23404643. Configured system settings for aircraft systems. Ramp checked satisfactory.

----------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: 9/7/2011 **HOBBS:** 445.8 **WO#:** 10692 **SIGNED:** Ron Webb

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

10/30/2011	Hobbs	456.9 Flight 345.3
		Removed Main battery and replaced with new Gill 243
		SER# 6026815N6 battery charged and tested
		per teledyne Service instructions Kenneth Fullett PP
		3073186

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

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION–STATUS & DISCREPANCY LIST SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE
		Date: 11/04/2011; Aircraft: N456AK; Type: SR20; S/N: 1979; Hobbs: 346.4; Total Time: 340.1; Engine - Type: IO-360ES21, S/N: 360677, Time: 340.1; Prop - Type: PHC-J3YF-1RF, S/N: FP6595B, Time: 340.1 Hobbs: 458.7 Flight Hobbs: 346.4 ***Airframe Work*** 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. Replaced cyl #1 EGT probe p/n 16579-002 with new. Replaced cyl #5 CHT probe p/n 16578-001 with new. Removed door panels, removed push buttons actuator. Polished push buttons actuator, lubed push buttons actuator and latches. Reinstalled door panels. Ops checked good. Dan Stammen A&P 2636878 Dan Stammen 2636878 A&P

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F.A.R. 43.11–91.409

Maintenance

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

Date: 5/25/2012; Aircraft: N456AK; Type: CIRRUS SR20; S/N: 1979; Hobbs: 367.3; Total Time: 361.0; Engine - Type: IO-360ES21, S/N: 360677, Time: 361.0; Prop - Type: PHC-J3YF-1RF, S/N: FP6595B, Time: 361.0
Hobbs: 488.7 Flight Hobbs: 367.3
*** Airframe Work ***

Completed an Annual inspection in accordance with FAR 43, Appendix D.
Complied with Cirrus SB 2X-21-05(2/27/11) Cabin Air Coupler Actuator Rigging. Ops checked good. Cirrus SB 2X-27-16R1 has been previously complied with. Complied with Cirrus SB 2X-32-19R2 NLG Assembly inspection per visual inspection, no defects noted. Next Due: 461.0 ACTT.

Inspected and tested ELT in accordance with FAR 91.207(d), no defects noted, next due 05/2013. ELT battery due 07/2013. Replaced #2 batteries p/n 50979-001 with new. Replaced gascolator filter with filter kit #1742243-05. Updated SR22 POH with Revision A10.

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 2636878 IA

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7/3/2012 Hobbs 513.5 Flight 386.1

Date: 2/15/2013; Aircraft: N456AK; Type: CIRRUS SR20; S/N: 1979; Hobbs: 421.1; Total Time: 414.8
Hobbs: 559.5 Flight Hobbs: 421.1
Airframe Work

Replaced differential switch p/n 14128-001 with new.

Doug Seibel
A&P389765035 IA IA389765035

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DATE	
28 Feb 20	Garmin 430W return to svc

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1. Approving National Aviation Authority/Country:	2.	3. Form Tracking Number:
FAA/UNITED STATES	**AUTHORIZED RELEASE CERTIFICATE** FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	GNS430W-23404643-28FEB2013

4. Organization Name and Address:	5. Work Order/Contract/Invoice Number:
J.A. Air Center 43W730 U.S. Rt. 30 Sugar Grove, IL 60554	226984

6. Item:	7. Description:	8. Part Number:	9. Eligibility:*	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	GNS430W	011-01060-00	TBV by installer	1	23404643	Repaired and Tested

13. Remarks:
All Work performed in accordance with Manual # 190-00356-05 Rev. A OCT2008

Details on Work Order #226984

14. Certifies the items identified above were manufactured in conformity to:

- ☐ Approved design data and are in condition for safe operation.
- ☐ Non-approved design data specified in Block 13.

19. ☒ **14 CFR 43.9 Return to Service** ☐ ***Other regulation specified in Block 13***

Certifies that unless otherwise specified in block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

15. Authorized Signature:	16. Approval/Authorization No.:	20. Authorized Signature:	21. Approval/Certificate No.: NF2R029L
17. Name (Typed or Printed):	18. Date:	22. Name (Typed or Printed): Luke W. Gomoll	23. Date (m/d/y): 28FEB2013

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness accepts parts/components/assemblies from the airworthiness authority of the country specified in Block1.

Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

FAA Form 8130-3 (6-01) *Installer must cross-check eligibility with applicable technical data. NSN: 0052-00-012-9005

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INSPECTION RECORD
F.A.R. 43.11–91.409 Maintenance

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION–STATUS & DISCREPANCY LIST SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE
28 Feb 2013		installed Comm 430W Nav #2 after repair

Date: 5/10/2013; Aircraft: N456AK; Type: CIRRUS SR20; S/N: 1979; Hobbs: 447.0; Total Time: 440.7; Engine - Type: IO-360ES21, S/N: 360677, Time: 440.7; Prop - Type: PHC-J3YF-1RF, S/N: FP6595B, Time: 440.7
Hobbs: 591.3 Flight Hobbs: 447.0
*** Airframe Work ***

Completed an Annual inspection in accordance with FAR 43, Appendix D.
Complied with Cirrus SB 2X-32-19R3 (6/28/12) NLG Assembly inspection, no defects noted. Next Due: 540.7 ACTT.
Complied with SB 2X-57-13 (6/26/12) Lower Landing Gear Attach Bracket torque inspection per SB 2X-57-13 by checking / re-torquing affected bolts on both left and right MLG assemblies. Replaced ELT battery 455-0012 with new. Next replacement due date 3/2020. Inspected and tested ELT in accordance with FAR 91.207(d), no defects noted. Next Due: 5/2014.

Replaced left door latch p/n 21861-001 with new. Replaced right door latch p/n 21889-001 with new. Rotated left and right main tires on wheels to promote even tire wear. Replaced left and right main tube p/n 097-500-0 with new. Replaced left side exhaust clamp hardware p/n MS21045C3 and AN3C4A with new. Cleaned and re-shimmed between clamp and lower attach fitting to obtain gap tolerance. Installed new tape on left wingroot fairing as needed. 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.
Dan Stammen
A&P 2636878 IA

Dan 2636878 IA

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INSPECTION RECORD
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Maintenance

DATE

Date: 2/07/2014; Aircraft: N456AK; Type: CIRRUS SR20; S/N: 1979; Hobbs: 481.6; Total Time: 475.3
Hobbs: 640.4 Flight Hobbs: 481.6
*** Airframe Work ***
Replaced CAPS system reef line cutters with new kit p/n 25347-002. Line cutters p/n 26707-001, s/n 5490 and 5488, Lot # 1 RRL 1213 and MFG date 12/13.
Doug Seibel
A&P389765035 IA

Doug Seibel IA389765035

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Maintenance

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION–STATUS & DISCREPANCY LIST SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE
5/23/2014		Date: 5/23/2014; Aircraft: N456AK; Type: CIRRUS SR20; S/N: 1979; Hobbs: 490.3; Total Time: 484.0; Engine - Type: IO-360ES21, S/N: 360677, Time: 484.0; Prop - Type: PHC-J3YF-1RF, S/N: FP6595B, Time: 484.0 Hobbs: 653.5 Flight Hobbs: 490.3 ***Airframe Work*** Completed an Annual inspection in accordance with FAR 43, Appendix D. Complied with SB 2X-32-19R3 by visual inspection of NLG assembly, no defects noted. Next due 584.0 ACTT. Complied with Cirrus SA 13-05 (8/26/13) Elevator Hinge Pin Inspection, no defects noted. Complied with Cirrus SA 13-09 (12/11/13) Regarding Avidyne Service Information Letter 606-00170-003 by placing copy of service letter in supplement section of POH and returned POH to aircraft. Inspected and tested ELT in accordance with FAR 91.207(d), no defects noted. Next Due: 05/2015. ELT battery due 03/2020. 406 ELT 15 Digit Code is ADCC4 0938C 00261. Complied with Inspection for Continued Airworthiness of DFC 90 per ICA section 5.1 para. 1 & 2. Complied with Cabin fire extinguisher inspection, no defects noted. Replaced #2 batteries p/n 50979-001 with new. Replaced induction filter BA-24 with new. Replaced gascolator filter with new filter kit 1742243-05. Visually inspected wiring & mounting of alternator #1, no defects noted. Lubed both cabin door locks, ops checked good. Reorientated co-pilots door lock to proper position. 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 2636878 IA

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~~F.A.R. 43.11-91.409~~ Maintenance

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION–STATUS & DISCREPANCY LIST SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE
3/16/2015		

Date: 3/16/2015; Aircraft: N456AK; Type: CIRRUS SR20; S/N: 1979; Hobbs: 527.7; Total Time: 521.4; Engine - Type: IO-360ES21, S/N: 360677, Time: 521.4; Prop - Type: PHC-J3YF-1RF, S/N: FP6595B, Time: 521.4
Hobbs: 706.0 Flight Hobbs: 527.7
*** Airframe Work ***

Completed an Annual inspection in accordance with FAR 43, Appendix D.
Complied with SB 2X-32-19R3 Nose Landing Gear Assembly Inspection and Reinforcement by visual inspection of NLG assembly, no defects noted.

Inspected and tested ELT in accordance with FAR 91.207(d), no defects noted, next due 3/11/16. ELT battery due 3/2020. Inspected and weighed cabin fire extinguisher, no defects noted. Replaced induction air filter BA-24 with new. Replaced gascolator filter kit # 1742243-05. Removed EMA Controller p/n 508358-421 and installed EMA Controller p/n 20902-001.

Serviced new battery p/n G243, s/n G02859278 with acid and charged in accordance with Gill Activation and Service instructions. Installed battery in aircraft. Reinstalled DFC 90, p/n 700-00170-000, s/n M111437013, after modified by Avidyne Corporation, CRS# 1VAR161B, Wo# 9026978, dated 3/2/2015. Ops checks good. Replaced brake caliper piston orings with new. Bleed and replenished brake system. Replaced right strobe flash tube p/n 36-0050705-00 with new. Adjusted right gear saddle for proper gap measurement. Removed old tape from left wing to fuselage fairing, cleaned surfaces and installed new tape.

I certify that this airframe has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.
Patrick Higgins
A&P 3624624 IA

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INSPECTION RECORD
F.A.R. ~~43.11~~-91.409 maintenance

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

Date: 7/27/2015; Aircraft: N456AK; Type: CIRRUS SR20; S/N: 1979; Hobbs: 541.9; Total Time: 535.6
Hobbs: 727.9 Flight Hobbs: 541.9
Airframe Work
Removed DFC, p/n 700-00170-000, s/n M111437013 and installed DFC, p/n 700-00170-000, s/n M144131102, after repair by Avidyne Corporation, CRS# 1VAR161B, WO# 9028129 dated 10/Jul/2015.
Dan Stammen
A&P 2636878 IA

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Madison, WI 53704
608-268-5003

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1741 River Drive
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920-261-4567

MAKE: Cirrus Design Corp
MODEL: Sr20
S/N: 1979
REG. NO: N456AK
WORK ORDER: 4509-08-2015

J.A. Air Center
Repair Station No. NF2R029L
43W730 US RT 30
Sugar Grove, Illinois 60554
Phone: 630.584.3200

DATE: 31 August, 2015
A/C TSN: 550.5
TACH: 550.5

Airframe Entries

1 Installed exchanged/overhauled #1 alternator p/n ES-4024LPR, s/n H-P051356 from Hartzell Engine Technologies, ref. w.o. M57770. Ground run operational checks were satisfactory.

3 Performed battery capacity check to the #1 battery in accordance with the Gill dry-charge maintenance manual. Capacity found to be above 80%. Charged both #2 batteries and re-installed. Operational checks satisfactory.

Maintenance Release
The aircraft, engine, appliance or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station ~~CRS NF2R029L and EASA 145.5424~~ under Work Order No. 4509-08-2015, Dated 31 August, 2015.

DATE: 31 August, 2015 SIGNED:
Bruce Rebechini
Certified Repair Station No. NF2R029L

Work Order: 4509-08-2015
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INSPECTION RECORD
F.A.R. 43.11-91.409 Maintenance

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION-STATUS & DISCREPANCY LIST SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE
4/16		

Date: 4/01/2016; Aircraft: N456AK; Type: CIRRUS SR20; S/N: 1979; Hobbs: 573.4; Total Time: 567.1; Engine - Type: IO-360ES21, S/N: 360677, Time: 567.1; Prop - Type: PHC-J3YF-1RF, S/N: FP6595B, Time: 567.1
Hobbs: 767.9 Flight Hobbs: 573.4
*** Airframe Work ***

Completed an Annual inspection in accordance with FAR 43, Appendix D.
Complied with Cirrus SB2X-27-17 (6/3/13) Electronic Flap Relay Installation by replacing flap relay. Complied with visual reinspection of nose landing gear support, no discrepancy noted.

Inspected and tested ELT in accordance with FAR 91.207(d) - no defects noted. Next due 4/2017. 15-Digit HEX ID: ADCC40938C00261. ELT battery due 3/2020. Complied with Instructions for Continued Airworthiness of AmSafe restraints, no defects noted. Replaced induction filter p/n BA-24 with new. Replaced #2 batteries p/n 50979-001 with new. Inspected and weighed cabin fire extinguisher, no defects noted.

Upgraded both Garmin 430s to 5.3 per Garmin Service Bulletin 1618. Complied with cabin heat mixing valve inspection. Replaced flight hour meter differential switch p/n 14128-001 with new. Replaced cargo door sill plate well nuts p/n with new as required. Performed composite repair to right wheel pant axle bolt hole and re-drilled hole as required. Secured cowl chafe tape as required.

Ground run for operational and leak check normal. I certify that this aircraft has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.

Patrick Higgins
A&P 3624624 IA

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DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION–STATUS & DISCREPANCY LIST SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE
4/5/2016		Date: 4/05/2016; Aircraft: N456AK; Type: CIRRUS SR20; S/N: 1979; Hobbs: 573.4; Total Time: 567.1 Hobbs: 767.9 Flight Hobbs: 573.4 *** Airframe Work *** Complied with Cirrus SB2X-52-08 (3/3/16) Catcher/Diverter and Gas Strut Replacement by installing kit p/n 70544-001. Operational check good. Bobby Wangler A&P 2702325 IA Bob Wangler A&P 2702325

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DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION–STATUS & DISCREPANCY LIST SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE
		Date: 5/01/2017; Aircraft: N456AK; Type: CIRRUS SR20; S/N: 1979; Hobbs: 614.8; Total Time: 608.5; Engine - Type: IO-360ES21, S/N: 360677, Time: 608.5, SMOH: 608.5; Prop - Type: PHC-J3YF-1RF, S/N: FP6595B, Time: 608.5 Hobbs Time 831.6, Flight Hobbs 614.8 ***Airframe Work*** Completed an Annual inspection in accordance with FAR 43, Appendix D. AD 17-04-06 Instruments - Erroneous Display due to slow diaphragm leak not applicable per by altimeters installed not affected. Complied with Instructions for continued airworthiness for AmSafe Restraints, no defects noted. Complied with Instructions for continued airworthiness for DFC 90 Autopilot, no defects noted. Confirmed EMA Controller manufacture date on 07/2014. Next refurbish 07/2021. Next Replacement 07/2028. No further action required. Complied with Cirrus SB 2X-32-19R3 (6/28/12) Nose Landing Gear Assembly Inspection and Reinforcement, no defects noted. Inspected and tested ELT in accordance with FAR 91.207(d), no defects noted. Next due 04/2018. ELT battery due 03/2020. 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

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

WISCONSIN AVIATION FOUR LAKES, INC.

DESCRIPTION OF WORK DONE: **N456AK**

Aircraft was modified per FAA Form 337 dated 6/30/17. Removed GTX-327 Transponder and installed GTX-345 Mode S/ADS-B In/Out Transponder. IAW Garmin STC/AML Installation manual. Revised aircraft Weight and Balance, and installed GTX-345 A.F.M.S in P.O.H. Provided customer with Pilot's guide, and I.C.A. All systems were installed, configured and checked in accordance with applicable STC installation manuals and documents. See Revised aircraft Weight and Balance change for applicable part and serial number changes. Transponder tested IAW FAA FAR 43 app. (f). Systems ramp check satisfactory

----------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: 6/30/17 **HOBBS:** 623.0 **WO#:** AV17-15450 **SIGNED:** _____

3606 Corben Ct. – Madison, WI 53704 - CRS No. DBKR124D
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INSPECTION RECORD
F.A.R. 43.11 –91.409

MAKE: Cirrus Design Corp
MODEL: Sr20
S/N: 1979
REG. NO: N456AK
WORK ORDER: 6566-05-2017

J.A. Air Center
Repair Station No. NF2R029L
43W730 US RT 30
Sugar Grove, Illinois 60554
Phone: 630.584.3200

DATE: 26 May, 2017
A/C TSN: 618.7
TACH: 618.7

Airframe Entries

1 GNS430W SN/ 23405759 repaired on GARMIN # 95445203. Installed and tested.

Maintenance Release
The aircraft, engine, appliance or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L and EASA.145.5424 under Work Order No. 6566-05-2017, Dated 26 May, 2017.

DATE: 26 May, 2017 SIGNED: Doug Mall Work Order: 6566-05-2017

Doug Mall
Certified Repair Station No. NF2R029L

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MAKE: Cirrus Design Corp
MODEL: Sr20
S/N: 1979
REG. NO: N456AK
WORK ORDER: 6614-06-2017

J.A. Air Center
Repair Station No. NF2R029L
43W730 US RT 30
Sugar Grove, Illinois 60554
Phone: 630.584.3200

DATE: 12 June, 2017
A/C TSN: 620.3
TACH: 620.3

Airframe Entries

1 GNS430W 011-01060-00 SN 23405759 repaired on Garmin 8130-3 # 95799276. Installed and tested.

Maintenance Release
The aircraft, engine, appliance or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L and EASA.145.5424 under Work Order No. 6614-06-2017, Dated 12 June, 2017.

DATE: 12 June, 2017 SIGNED: Doug Mall Work Order: 6614-06-2017

Doug Mall
Certified Repair Station No. NF2R029L

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WISCONSIN AVIATION FOUR LAKES, INC.

DATE

DESCRIPTION OF WORK DONE: **N456AK**

Reflashed unit software. System ramp checks satisfactory in accordance with part 43 app F.
Found several grey code lines breaking at one of the radio module disconnects. Replaced all pins in connector. System ramp checks satisfactory in accordance with Part 43 app E(c).
Replaced BNC at transponder rack. Removed, cleaned and reinstalled transponder antenna. System ramp checks satisfactory in accordance with Part 43 app F.

----------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: 7/5/17 **HOBBS:** 851.8 **WO#:** AV17-15468 **SIGNED:** E. T. Rosebrook

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

WISCONSIN AVIATION FOUR LAKES, INC.

DESCRIPTION OF WORK DONE: **N456AK**

Removed Garmin GTX-345 p/n: 011-03302-00 s/n: 3EG006729 and installed new exchange GTX 345 p/n: 011-03302-00 s/n: 3EG005316. Configured for aircraft. System ramp checks satisfactory in accordance with Part 43 app. F and the installation manual.

----------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: 7/14/17 **HOBBS:** 587.0 **WO#:** AV17-15500 **SIGNED:** E. T. Rosebrook

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SEE LOGBOOK #2 for CONTINUED RECORDS

03

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