Avionics Log

Aricraft Registration Number: 0 Aircraft Serial Number _____

Date	Total Time in Service	Total Time Since Overhaul	Tach or recording Meter Time	Description of work performed Signature and Certificate Number of Person Performing Work
				TOTALS brought Forward from Previous Page

LANCASTER AVIONICS, INC. 500-U AIRPORT ROAD LITITZ, PA 17543 CRS# LN7R261N
LOG ID# 3249 20-June-2013 WO# 18198 AC TT 1894.9 HOBBS 1894.9
N617DA S/N 1867 CIRRUS DESIGN CORP. SR20 **Pg 1 / 1**
FLIGHT TIME 1413.0

**** ITEM # 18198-1 REPAIR #1 COMM ****
DISCREPANCY: STATIC NOISE IN #1 COMM.
ACTION: RAMP CHECKED AND CONFIRMED FAULT. SWAPPED #1 & #2 GNS430W'S FOR TROUBLESHOOTING PURPOSES. STATIC NOISE NO LONGER PRESENT. REINSTALLED #1 & #2 GNS430W'S IN THEIR RESPECTIVE RACK POSITIONS. STATIC NOISE IS STILL NO LONGER PRESENT. SUSPECT #1 GNS430W WAS NOT FULLY SEATED RESULTING WITH THE STATIC NOISE INTERFERENCE. RAMP CHECKS GOOD.
**** ITEM # 18198-2 REPAIR COPILOT HEADSET ****
DISCREPANCY: COPILOT'S HEADSET CUTS OUT.
ACTION: CHECKED COPILOT'S HEADSET MIC & PHONE JACKS AND ADJUSTED COPILOT'S ICS SQUELCH THRESHOLD. RAMP CHECKS GOOD.
**** ITEM # 18198-3 C/W MANDATORY GNS430W SOFTWARE UPDATE ****
DISCREPANCY: COMPLY WITH MANDATORY GNS430W SOFTWARE UPDATE.
ACTION: #1 GNS430W, S/N 23403159 AND #2 GNS430W, S/N 23403140 - UPDATED MAIN SOFTWARE FROM V3.01 TO V5.03 AND GPS SOFTWARE FROM V3.1 TO V5.0. UPDATED AIRCRAFT FLIGHT MANUAL SUPPLEMENT. UPDATES PERFORMED I.A.W. GARMIN SERVICE BULLETIN 1315, REV. A.
**** ITEM # 18198-4 REPAIR AUTOPILOT ****
DISCREPANCY: AUTOPILOT WILL NOT INTERCEPT COURSE AND WILL NOT HOLD ALTITUDE.
Model: 55X
ACTION: RAMP CHECKED AND EVALUATED AUTOPILOT. COULD NOT CONFIRM AUTOPILOT WILL NOT INTERCEPT COURSE - RAMP CHECKS GOOD. DID VERIFY THE CIRRUS PITCH TRIM CARTRIDGE IS FAULTY. PITCH TRIM CARTRIDGE REPAIR IS A MAINTENANCE ITEM. DEFERED REPAIR OF THE PITCH TRIM CARTRIDGE TO ADVANCED LANCASTER AIRCRAFT SERVICES. WORK PERFORMED I.A.W. S-TEC 55X FLIGHTLINE MAINTENANCE MANUAL, P/N 87102, REV. 2.

Andrew W. Knowlton

CRS# LN7R261N ANDREW W. KNOWLTON

RED EAGLE AVIONICS
CRS#: EHER536D
ALTIMETER INDICATOR CALIBRATION

W/O No.: 9117

Date: 9-24-14

Pilot's Altimeter: ☑
Copilot's Altimeter: ☐
Standby Altimeter: ☐

Test Setting	Instrument Reading	Test Setting	Instrument Reading
-1000	-1000	14000	13980
0	0	16000	15980
500	500	18000	17980
1000	1000	20000	19980
1500	1500	22000	n/a
2000	2000	25000	
3000	2990	30000	
4000	3990	35000	
6000	5990	40000	
8000	7990	45000	
10000	9980	50000	
12000	11980	Form AIC-1 Rev. 1, 5/30/08	

RED EAGLE AVIONICS
CRS#: EHER536D
ALTIMETER INDICATOR CALIBRATION

W/O No.: 9117

Date: 9-24-14

Pilot's Altimeter: ☐
Copilot's Altimeter: ☑
Standby Altimeter: ☐

Test Setting	Instrument Reading	Test Setting	Instrument Reading
-1000	-1000	14000	13970
0	0	16000	15960
500	510	18000	17960
1000	1010	20000	19970
1500	1520	22000	n/a
2000	2020	25000	
3000	3030	30000	
4000	4020	35000	
6000	6020	40000	
8000	8000	45000	
10000	10000	50000	
12000	11980	Form AIC-1 Rev. 1, 5/30/08	

ADC # 1, P/N: 15222-007, S/N: 2002737
complies with requirements of FAR 91.411.

Certified to 20,000 feet.

Workorder No. 9117 Date 9-24-14

Signature: Dave Ihm

RED EAGLE AVIONICS - CRS# EHER536D
302-325-2727 - reainfo@redeagleav.com

#1 / (#2) / Standby Altimeter, Static Pressure, and Altitude Reporting Systems have been tested IAW FAR Part 43 Appendix E to comply with FAR 91.411.
Systems tested to 20,000 feet.
P/N or Model: 12731-002 S/N: 4614839
Workorder No.: 9117 Date: 9-24-14

Signature: Dave Ihm

RED EAGLE AVIONICS - CRS# EHER536D
302-325-2727 - reainfo@redeagleav.com

Transponder P/N: GTX330, S/N: 84130200
has been tested in accordance with FAR Part 43 Appendix F to comply with FAR 91.413.

Workorder No. 9117 Date 9-24-14

Signature: Dave Ihm

RED EAGLE AVIONICS - CRS# EHER536D
302-325-2727 - reainfo@redeagleav.com

Avionics Log

Aricraft Registration Number: 0 **Aircraft Serial Number**

Date | Tach or Met | ork

RED EAGLE AVIONICS CRS#: EHER536D ALTIMETER INDICATOR CALIBRATION	W/O No.: 9642
Date: 8-30-16	
Pilot's Altimeter: ☑	
Copilot's Altimeter: ☐	
Standby Altimeter: ☐	

Test Setting	Instrument Reading	Test Setting	Instrument Reading
-1000	-1010	14000	13980
0	-10	16000	15980
500	490	18000	17980
1000	990	20000	19980
1500	1490	22000	n/a
2000	1990	25000	
3000	2990	30000	
4000	3990	35000	
6000	5990	40000	
8000	7980	45000	
10000	9980	50000	
12000	11980	Form AIC-1 Rev. 1, 5/30/08	

ADC # 1, P/N: 15222-002, S/N: 2002737
complies with requirements of FAR 91.411.

Certified to 20,000 feet.

Workorder No. 9642 Date 8-30-16

Signature:

RED EAGLE AVIONICS - CRS# EHER536D
302-325-2727 - reainfo@redeagleav.com

#1 / #2 Standby Altimeter, Static Pressure, and Altitude Reporting Systems have been tested IAW FAR Part 43 Appendix E to comply with FAR 91.411.
Systems tested to 20,000 feet.
P/N or Model: 12731-002 S/N: 464839
Workorder No.: 9642 Date: 8-30-16

Signature:

RED EAGLE AVIONICS - CRS# EHER536D
302-325-2727 - reainfo@redeagleav.com

RED EAGLE AVIONICS CRS#: EHER536D ALTIMETER INDICATOR CALIBRATION	W/O No.: 9642
Date: 8-30-16	
Pilot's Altimeter: ☐	
Copilot's Altimeter: ☑	
Standby Altimeter: ☐	

Test Setting	Instrument Reading	Test Setting	Instrument Reading
-1000	-1000	14000	13950
0	0	16000	15950
500	500	18000	17950
1000	1000	20000	19960
1500	1500	22000	n/a
2000	2020	25000	
3000	3020	30000	
4000	4020	35000	
6000	6000	40000	
8000	7990	45000	
10000	9980	50000	
12000	11970	Form AIC-1 Rev. 1, 5/30/08	

Transponder P/N: GTX330, S/N: 54130200
has been tested in accordance with FAR Part 43 Appendix F to comply with FAR 91.413.

Workorder No. 9642 Date 8-30-16

Signature:

RED EAGLE AVIONICS - CRS# EHER536D
302-325-2727 - reainfo@redeagleav.com

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24 MONTH ALTIMETER & TRANSPONDER CERTIFICATION

flyADVANCED

530 Airport Rd
Lititz, PA 17543
717-735-5179
CRS# 5T2R981C

Aircraft Registration	N617DA
Aircraft Model	SR20
Aircraft S/N	1867
Work Order	9698-09-2018
Pressure test unit S/N	425
ATC test unit S/N	100068598
Encoder P/N	N/A
Encoder S/N	N/A

#1 ADC / Altimeter P/N	15222-907
#1 ADC / Altimeter S/N	2002737
#2 ADC / Altimeter P/N	12731-002
#2 ADC / Altimeter S/N	464839
#3 ADC / Altimeter P/N	N/A
#3 ADC / Altimeter S/N	N/A
Transponder P/N	GTX330
Transponder S/N	2002737

Appendix E to Part 43—Altimeter System Test and Inspection

(a) Static Pressure System

STATIC SYSTEM	(circle one)	
Free of Moisture	(Pass)	Fail
Leak Check	(Pass)	Fail

PITOT SYSTEM	(circle one)	
Free of Moisture	(Pass)	Fail
Leak Check	(Pass)	Fail

MISC	(circle one)	
Pitot Heat Function	(Pass)	Fail
Alternate Static	(Pass)	Fail

(b) Altimeter

(i) SCALE ERROR

Altitude (feet)	Tolerance (feet)	ADCs / Altimeters #1	#2	#3
-1,000	± 20	-20	-35	N/A
0	± 20	-20	-20	
500	± 20	-20	-20	
1,000	± 20	-20	-10	
1,500	± 25	-20	-10	
2,000	± 30	-20	0	
3,000	± 30	-20	0	
4,000	± 35	-20	0	
5,000	± 40	-20	-10	
8,000	± 60	-20	-20	
10,000	± 80	-30	-30	
12,000	± 90	-30	-50	
14,000	± 100	-30	-60	
16,000	± 110	-30	-50	
18,000	± 120	-30	-80	
20,000	± 130	-40	-70	
22,000	± 140	N/A	N/A	
25,000	± 155	N/A	N/A	

(ii) HYSTERESIS

Test Points (30 ft max diff)	ADCs / Altimeters (± 75) Test Box	#1	#2	#3
50% initial	50	-25	-25	N/A
50% final	100	-30	-30	
Change	50	5	0	
40% initial	5000	-35	-25	
40% final	5010	-30	-20	
Change	0	5	5	

(iii) AFTER EFFECT (± 30 ft)

Unit tested	Initial	After	Change
Test box	2500	2500	0
#1	3000	2995	-5
#2	2500	2500	0
#3	N/A	N/A	N/A

(v) Case Leak (less than 100 ft/min @ 18,000 ft)

Pass/Fail #1 30 #2 30 #3 N/A

(iv) FRICTION (Altimeter only)

Altitude (feet)	Tolerance (feet)	Altimeter Change
1,000	± 70	-30
2,500	± 70	-30
3,000	± 70	-40
5,000	± 70	-40
10,000	± 80	-40
15,000	± 90	-40
20,000	± 100	-50
25,000	± 120	-50

(vi) BAROMETRIC SCALE ERROR (± 25) *(Avidyne must start at 2000 ft)

Pressure Setting	Calibrated Difference	Altimeter Reading	Actual Difference	*Avidyne Reading	Actual Difference
28.1	1,727	+25		+26	
28.5	1,349	0		+24	
29	867	-3		+5	
29.3	592	+6		+9	
29.92	0	-5		-20	
30.5	-550	-15		-23	
30.9	-891	+5		-23	
30.99	-979	+9		-15	

(c) Automatic Pressure Altitude Reporting

ENCODER CALIBRATION (if required)

Transponder change point	Primary Altimeter Reading	Pass/Fail (±125 ft)
2,500 → 3,500		PASS
17,500 → 18,500		PASS
24,500 → 25,500		PASS

All tests of Appendix E to Part 43, that are required for this system, are found to be within the specified Limits

Technician Signature _____ Date 8/29/18

Inspector Signature _____ Date 8/29/18

Appendix F to Part 43—ATC Transponder Tests and Inspections

91.413 MODE S TRANSPONDER CERTIFICATION	Result
(a) RADIO REPLY FREQUENCY - 1090 ±1 MHz	P
(b) SUPPRESSION REPLY - ≤ 1% when Pn(dB) = Pn(dB)	P
(c) SUPPRESSION REPLY - ≥ 90% when Pn(dB) is 0dB less than Pn(dB)	P
(d) RECEIVER SENSITIVITY MTL - -74 ±3 dBm (±7db relative signal)	P
(e) RECEIVER SENSITIVITY MODE A/C DIFFERENCE - ≤ 1dB	P
(f) RF PEAK POWER OUTPUT - 125W ≤ OUTPUT ≤ 500W	P
(g) MODE S ADDRESS - verify address is being transmitted	P
(h) MODE S ALL CALL - verify reply has correct address and capability	P
(i) ATTAINS ALL CALL - verify aircraft all call produces no reply	P
(j) SQUITTER - verify mode s generates correct squitter (1 per second)	P

91.413 MODE C TRANSPONDER CERTIFICATION	Result
(a) RADIO REPLY FREQUENCY MODE C - 1090 ±1 MHz	PASS
(b) SUPPRESSION REPLY - ≤ 1% when Pn(dB) = Pn(dB)	PASS
(b) SUPPRESSION REPLY - ≥ 90% when Pn(dB) is 9dB less than Pn(dB)	PASS
(c) RECEIVER SENSITIVITY MTL MODE C - -74 ±3 dBm (±7db relative signal)	PASS
(e) RECEIVER SENSITIVITY MODE A/C DIFFERENCE - ≤ 1dB	PASS
(f) RF PEAK POWER OUTPUT - 125W ≤ OUTPUT ≤ 500W	PASS

All tests of Appendix F to Part 43, that are required for this system, are found to be within the specified Limits

Technician Signature _____ Date 8/29/18

Inspector Signature _____ Date 8/29/18

F.T. 2597.5

Hobbs: 3978.9

ADVANCED

CRS# 5VWR338D

Aircraft Reg	N617DA
Work Order	5888-08-2018
Altitude Tested to:	20,000
Date Tested	8/29/2018

I CERTIFY THAT THE ATC TRANSPONDER AND ALTIMETER SYSTEM TRANSPONDER AND ALTIMETER TESTS AND INSPECTIONS REQUIRED BY FAR 91.413 HAVE BEEN PERFORMED AND ARE FOUND TO BE WITHIN THE LIMITS OF FAR PART 43 APPENDIX E, ET AND AC 43.13-1B

Transponder #1:	Make:	Garmin	Model:	GTX330	S/N: 84114858
Transponder #2:	Make:	NA	Model:	NA	S/N: NA
ADC #1:	Make:	GARMIN	Model:	GDC74A	S/N: 2002737
ADC #2:	Make:	NA	Model:	NA	S/N: NA
Altimeter:	Make:	United	Model:	12731-002	S/N: 464839

8/29/18

Date

Form Number: FA19 Revision Number: Original Revision Date: 9/22/2016

ADVANCED MAINTENANCE, LLC

131 N. DuPont Highway
New Castle, DE 19720
Phone 302-324-9970
CRS# 5VWR338D

Aircraft Registration:	N617DA
Aircraft Model:	SR20
Aircraft Serial Number:	1867
Hobbs Time:	4092.7
Work Order:	FAM0165-02-2019
Altitude Tested to:	N/A
Date Tested:	2/27/2019

I certify that the ATC transponder tests and inspections required by FAR 91.413 have been found to be within the specified limits of the current version of 14 CFR Part 43 appendix F. The work was accomplished in accordance with the instructions for continued airworthiness, and with respect to the work performed, this article is approved for return to service. Pertinent details are on file at this repair station for the work order referenced above.

Transponder: Make: GARMIN Model: GTX330 S/N: 84114858

Signature

2/27/2019
Date

MARK EHART
Name (print or type)

MAKE: Cirrus
MODEL: 20
S/N: 1867
REG. NO: N617DA
WORK ORDER: 10316-02-2019

Aero Ways, Inc.

131 North DuPont Highway
New Castle, DE 19720 USA
Phone: 302-324-9970

DATE: 3/21/2019
A/C TSN:
HOBBS: 4102.1

Airframe Entries

REMOVED GARMIN GTX330 TRANSPONDER, P/N: 011-00455-00, S/N: 84130200. INSTALLED LOANER GARMIN GTX330 TRANSPONDER, P/N: 011-00455-60, S/N: 84114858. TRANSPONDER WAS TESTED IAW APPENDIX F TO COMPLY WITH FAR 91.413. SEE SEPARATE LOG ENTRY.

REMOVED: (1) GARMIN GTX330 LOANER TRANSPONDER, S/N: 84114858. INSTALLED: (1) GARMIN GTX330 ES TRANSPONDER, S/N: 84130200. CORRELATION TEST WAS PERFORMED PER FAR 91.217. TRANSPONDER WAS TESTED IAW APPENDIX F TO COMPLY WITH FAR 91.413. SEE SEPARATE LOG ENTRY. SYSTEM GROUND CHECK GOOD. WORK WAS PERFORMED IAW STC# SA01714WI FOR THE GTX330, AND FEDERAL AVIATION REGULATIONS AND MANUFACTURER'S INSTRUCTIONS. WEIGHT AND BALANCE CHANGE NEGLIGIBLE. REFERENCE WAS MADE TO AC43.13-1B AND 2B, AS APPLICABLE. SEE AFMS AND FAA FORM 337 DATED 03/21/2019 IN AIRCRAFT MAINTENANCE RECORDS FOR DETAILS OF THIS ALTERATION. FOR ICA'S REFERENCE THE FOLLOWING: GTX330 – GARMIN DOCUMENT P/N: 190-00734-11, REV 6, DATED 21-DEC-2017, SECTION 4.... UPDATED GARMIN GNS430W'S SOFTWARE FROM VERSION 5.03.TO VERSION 5.40 IAW SB 1762, REV A, DATED NOV 16, 2017. ISSUED TO THE OWNER UPGRADE SUPPLEMENT 190-00356-37, REV A.

The articles above were repaired and inspected in accordance with current Federal Aviation Regulations and are certified to be airworthy with respect to work performed. This article is approved for return to service.

DATE: 3/21/2019 SIGNED: Work Order: 10316-02-2019

Mark Ehart, A&P 3536752 Printed by EBis 3 (datcomedia.com)

Avionics Log

Aricraft Registration Number: 0 **Aircraft Serial Number**_____

Date	Tot… S…	…rformed …erson Performing Work
		…ious Page

ADVANCED MAINTENANCE, LLC
131 N. DuPont Highway
New Castle, DE 19720
Phone 302-324-9970
CRS# 5VWR338D

Aircraft Registration:	N617DA
Aircraft Model:	SR20
Aircraft Serial Number:	1867
Hobbs Time:	4102.1
Work Order:	FAM0165-02-2019
Altitude Tested to:	N/A
Date Tested:	3/21/2019

I certify that the ATC transponder tests and inspections required by FAR 91.413 have been found to be within the specified limits of the current version of 14 CFR Part 43 appendix F. The work was accomplished in accordance with the instructions for continued airworthiness, and with respect to the work performed, this article is approved for return to service. Pertinent details are on file at this repair station for the work order referenced above.

Transponder: Make: GARMIN Model: GTX330 S/N: 84130200

Signature

3/21/2019
Date

MARK EHART
Name (print or type)

ADVANCED MAINTENANCE, LLC
131 N. DuPont Highway
New Castle, DE 19720
Phone 302-324-9970
CRS# 5VWR338D

Aircraft Registration:	N617DA
Aircraft Model:	SR20
Aircraft Serial Number:	1867
Hobbs Time:	4445.0
Work Order:	FAM0518-08-2020
Altitude Tested to:	20,000
Date Tested:	9/1/2020

I certify that the altimeter system and altitude reporting equipment tests and inspections required by FAR 91.411, the ATC transponder tests and inspections required by FAR 91.413, and data correspondence between automatically reported pressure altitude data and the pilot's altitude reference required by FAR 91.217 have been found to be within the specified limits of the current version of 14 CFR Part 43 appendices E & F up to the specified altitude. The work was accomplished in accordance with Cirrus Perspective Line MM, P/N: 190-00920-00, and with respect to the work performed, this article is approved for return to service. Pertinent details are on file at this repair station for the work order referenced above.

Transponder: Make: GARMIN Model: GTX330 S/N: 84130200
ADC #1: Make: GARMIN Model: GDC74A S/N: 2002737
Altimeter: Make: UNITED Model: 12731-002 S/N: 464830

Signature

9-1-20
Date

DAVE GREGG
Name (print or type)

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				TOTALS-Carry forward to next page

fly ADVANCED

Avionics Log

Aricraft Registration Number: 0 **Aircraft Serial Number**

Premier Avionics, LLC **N:** 617DA

ALTIMETER, STATIC AND TRANSPONDER CERTIFICATE

TEST ALT. X 1000 FT.	-1	0	.5	1	1.5	2	3	4	5	6	8	10	12	14	15	16
TOL. ± FT.	20	20	20	20/70	25	30/70	30/70	35	70	40	60	80/80	90	100	90	110
ACTUAL / FRICTION	-1005	-5	490	990/1	1490	1990/1	2995/1	3990	/	5990	7990	9975/1	11990	13980	/1	15980
TEST ALT. X 1000 FT.	18	20	22	25	30	35	40	45	50	BARO. SCALE ERROR (TOL. ± 25 FT.)						
TOL. ± FT.	120	130/100	140	155/120	180/140	205/160	230/180	255	280/250	28.10	28.50	29.00	29.50	29.92	30.50	30.90	30.99
ACTUAL / FRICTION	17980	19980/-								-1730	-1340	-870	-400	0	530	900	980
HYSTERESIS (TOL. ± 75 FT.)				50% MAX.	0	40% MAX.	0	AFTER EFFECT (TOL. 30 FT.): 0						CASE LEAK: 20		

ALTIMETER MAKE Garmin
MODEL GDC 74A
S/N 2002737

BLIND ENCODER Garmin
MODEL GDC 74A
S/N 2002737

TRANSPONDER NAME Garmin
MODEL GTX 330
S/N 84130290

CERTIFIED ALTIMETER PER FAR 43, APP. E (b) TO 26,000 FT. TO COMPLY WITH FAR 91.411.
CERTIFIED STATIC SYSTEM PER FAR 43, APP. E (a) TO COMPLY WITH FAR 91.411.
CERTIFIED AUTOMATIC PRESSURE ALTITUDE REPORTING SYSTEM PER FAR 43, APP. E (c) TO COMPLY WITH FAR 91.411.
CERTIFIED TRANSPONDER PER FAR 43, APP. F TO COMPLY WITH FAR 91.413.
This aircraft and/or component identified above was repaired and/or 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: 3-16-23 Tech. AW W.O 6744 Signed

PREMIER AVIONICS, LLC. • CRS# 7PMR634B • PH: (260) 747-4810 • 4424 Altitude Drive • FORT WAYNE, INDIANA 46809

Premier Avionics, LLC **N:** 617DA STBY

ALTIMETER, STATIC AND TRANSPONDER CERTIFICATE

TEST ALT. X 1000 FT.	-1	0	.5	1	1.5	2	3	4	5	6	8	10	12	14	15	16
TOL. ± FT.	20	20	20	20/70	25	30/70	30/70	35	70	40	60	80/80	90	100	90	110
ACTUAL / FRICTION	-1010	+10	500	1005/20	1500	2025/30	3025/30	4025	30	6010	8000	9985/35	11970	13960	35	15975
TEST ALT. X 1000 FT.	18	20	22	25	30	35	40	45	50	BARO. SCALE ERROR (TOL. ± 25 FT.)						
TOL. ± FT.	120	130/100	140	155/120	180/140	205/160	230/180	255	280/250	28.10	28.50	29.00	29.50	29.92	30.50	30.90	30.99
ACTUAL / FRICTION	17950	19960/40								-1740	-1360	-875	-425	0	515	885	960
HYSTERESIS (TOL. ± 75 FT.)				50% MAX.	+25	40% MAX.	+25	AFTER EFFECT (TOL. 30 FT.): +25						CASE LEAK: 20		

ALTIMETER MAKE United
MODEL 12731-002
S/N 464830

BLIND ENCODER NA
MODEL NA
S/N NA

TRANSPONDER NAME NA
MODEL NA
S/N NA

CERTIFIED ALTIMETER PER FAR 43, APP. E (b) TO 20,000 FT. TO COMPLY WITH FAR 91.411.
CERTIFIED STATIC SYSTEM PER FAR 43, APP. E (a) TO COMPLY WITH FAR 91.411.
CERTIFIED AUTOMATIC PRESSURE ALTITUDE REPORTING SYSTEM PER FAR 43, APP. E (c) TO COMPLY WITH FAR 91.411.
CERTIFIED TRANSPONDER PER FAR 43, APP. F TO COMPLY WITH FAR 91.413.
This aircraft and/or component identified above was repaired and/or 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: 3-16-23 Tech. AW W.O 6744 Signed

PREMIER AVIONICS, LLC. • CRS# 7PMR634B • PH: (260) 747-4810 • 4424 Altitude Drive • FORT WAYNE, INDIANA 46809

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THOROUGHBRED AVIATION MAINTENANCE, INC.
4316 HANGAR DRIVE
LEXINGON, KY 40510
CRS#R81R199Y

SYSTEM TEST DATE: 17/MAR/2025 WORK ORDER #: A25049 TACH: 3414.5 HOBBS: 4733.2

AIRCRAFT REG #: N617DA AIRCRAFT SERIAL #: 1867

AIRCRAFT MAKE/MODEL: CIRRUS SR20

I HEREBY CERTIFY THAT THE ALTIMETER, ENCODER, AND STATIC SYSTEM TESTS REQUIRED BY FAR 91.411 HAVE BEEN PERFORMED AND MEET SPECIFICATIONS SET FORTH IN FAR 43 APPENDIX E.

#1 PFD ADC TESTED TO 20,000 FEET #1 ENCODER TESTED TO 20,000 FEET
#2 STBY ALT TESTED TO 20,000 FEET

I HEREBY CERTIFY THAT THE ATC TRANSPONDER TEST REQUIRED BY FAR 91.413 WAS PERFORMED AND FOUND TO COMPLY WITH FAR 43, APPENDIX F.

#1 TRANSPONDER MAKE: GARMIN MODEL: GTX 330 SERIAL #: 84130200

TESTED BY: CERT #: 4117846
Form TAM021-03/24

PFD ADC ALTIMETER SCALE CORRECTON CARD

REFERENCE ALTITUED IN FT.	ALTIMETER READS	REFERENCE ALTITUED IN FT.	ALTIMETER READS
-1000	-1010	14000	13980
0	-10	16000	15980
500	490	18000	17980
1000	990	20000	19980
1500	1480	22000	----------
2000	1980	25000	----------
3000	2980	30000	----------
4000	3980	35000	----------
6000	5980	40000	----------
8000	7980	45000	----------
10000	9980	50000	----------
12000	11980		

Tested By: **N#: N617DA** **Date: 17/MAR/2025**

Thoroughbred Aviation Maintenance, Inc.
4316 Hangar Drive
Lexington, KY 40510
FAA CRS # R81R199Y

STBY ALTIMETER SCALE CORRECTON CARD

REFERENCE ALTITUED IN FT.	ALTIMETER READS	REFERENCE ALTITUED IN FT.	ALTIMETER READS
-1000	-1020	14000	13970
0	0	16000	15960
500	500	18000	17960
1000	1020	20000	19970
1500	1510	22000	----------
2000	2030	25000	----------
3000	3030	30000	----------
4000	4035	35000	----------
6000	6020	40000	----------
8000	8010	45000	----------
10000	9990	50000	----------
12000	11980		

Tested By: **N#: N617DA** **Date: 17/MAR/2025**

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