

**AVIONICS
MAINTENANCE
RECORDS**



AVIONICS MAINTENANCE RECORDS

(including transponder biennial checks)

Log No. _____

Aircraft Registration No. N215CP

Aircraft Manufacturer CIRRUS

Model SR-20

Serial No. 1741

EQUIPMENT LISTING

List all installed avionics, autopilot and flight director equipment.

| | Mfg. | Model | Serial No. |
|-----|-------|-------|------------|
| 1. | _____ | _____ | _____ |
| 2. | _____ | _____ | _____ |
| 3. | _____ | _____ | _____ |
| 4. | _____ | _____ | _____ |
| 5. | _____ | _____ | _____ |
| 6. | _____ | _____ | _____ |
| 7. | _____ | _____ | _____ |
| 8. | _____ | _____ | _____ |
| 9. | _____ | _____ | _____ |
| 10. | _____ | _____ | _____ |
| 11. | _____ | _____ | _____ |
| 12. | _____ | _____ | _____ |
| 13. | _____ | _____ | _____ |
| 14. | _____ | _____ | _____ |
| 15. | _____ | _____ | _____ |
| 16. | _____ | _____ | _____ |
| 17. | _____ | _____ | _____ |
| 18. | _____ | _____ | _____ |
| 19. | _____ | _____ | _____ |
| 20. | _____ | _____ | _____ |



AEROTECH PUBLICATIONS INC.

P.O. Box 1359 / Southold, NY 11971-0965
(631) 765-9375
1-800-235-6444
FAX: (631) 765-9359

| DATE | AIRFRAME TIME IN SERVICE | AVIONICS TIME IN SERVICE |
|------|-----------------------------------|-----------------------------------|
|------|-----------------------------------|-----------------------------------|



Replaced pressure switch for flight timer with new part # 14128 001.
*****END*****

The components identified above were repaired and inspected IAW Federal Aviation Regulations and were found to be in an airworthy condition for return to service.

Signed: *Michael A. Shuman*
Dated: 6-22-07 N#: N215CP
Tach: N/A TTSN: 364.8
HOBBS: 364.8 For more info see w/o #32927
FAA Repair Station Certification # WQ3R954L
101 John Glenn Drive, Concord, CA. 94520 T: (925) 676-2100 F: 676-5580



Sterling Avionics

FAA Repair Station WQ3R954L
Buchanan Field Airport
101 John Glenn Drive
Concord, CA 94520
Tel: (925) 676-2100

TTIS
528.5

Form #: SA-108

I certify that the ELT has been inspected in accordance with the requirements of FAR Section 91.207(d), and was found to be in satisfactory condition.

ELT Part #: E-D1
Battery Installed:
Date: 11/20/2007
Signed: *Shuman*
ELT Serial #: 56504
Battery Due: 3/2013
Work Order #: 33282
Reg. #: N215CP



Replaced pressure switch for flight timer with new part # 14128-001.
*****END*****

The components identified above were repaired and inspected IAW Federal Aviation Regulations and were found to be in an airworthy condition for return to service.

Signed: *Michael A. Shuman*
Dated: 7-16-08 N#: N215CP
Tach: N/A TTSN: 781.3
HOBBS: 781.3 For more info see w/o #33658
FAA Repair Station Certification # WQ3R954L
101 John Glenn Drive, Concord, CA. 94520 T: (925) 676-2100 F: 676-5580



Sterling Avionics

FAA Repair Station WQ3R954L
Buchanan Field Airport
101 John Glenn Drive
Concord, CA 94520
Tel: (925) 676-2100

Form #: SA-111

Altimeter/static and altitude reporting equipment systems have been tested and inspected per appendices E & F of Part 43 as required by FAR 91.411 calibrated to 20,000 ft.

Transponder(s) have been tested and inspected and found to comply with Appendix F of Part 43 I.A.W. FAR 91.413.

Date: 10-14-2008
Reg. #: N215CP
Signed: *Shuman*
W.O. #: 33820
TTIS: 918.0



Sterling Avionics

FAA Repair Station WQ3R954L
Buchanan Field Airport
101 John Glenn Drive
Concord, CA 94520
Tel: (925) 676-2100

TTIS
1006.5

Form #: SA-108

I certify that the ELT has been inspected in accordance with the requirements of FAR Section 91.207(d), and was found to be in satisfactory condition.

ELT Part #: ACK-E01
Battery Installed:
Date: 01/06/2009
Signed: *Shuman*
ELT Serial #: 56504
Battery Due: 03/2013
Work Order #: 33960
Reg. #: N215CP



Sterling Avionics

FAA Repair Station WQ3R954L
Buchanan Field Airport
101 John Glenn Drive
Concord, CA 94520
Tel: (925) 676-2100

TTIS
1526.2

Form #: SA-108

I certify that the ELT has been inspected in accordance with the requirements of FAR Section 91.207(d), and was found to be in satisfactory condition.

ELT Part #: ACK E-01
Battery Installed:
Date: 02/02/2010
Signed: *Shuman*
ELT Serial #: 56504
Battery Due: 03/2013
Work Order #: 34760
Reg. #: N215CP

STERLING
Sterling Avionics
FAA Repair Station WQ3R954L
Buchanan Field Airport
101 John Glenn Drive
Concord, CA 94520
Tel: (925) 676-2100

Form #: SA-111

Altimeter/Static and altitude reporting equipment systems have been tested and inspected per appendices E & F of Part 43 as required by FAR 91.411 calibrated to 20,000 ft.

Transponder(s) have been tested and inspected and found to comply with Appendix F of Part 43 I.A.W. FAR 91.413.

Date: 11/05/2010 W.O. #: 35132
Reg. #: N215CP TTIS: 2053.3
Signed: F. Lemon

DESCRIPTION OF WORK PERFORMED—
RE & CERTIFICATE NO OF PERSON PERFORMING WORK

STERLING
Sterling Avionics
FAA Repair Station WQ3R954L
Buchanan Field Airport
101 John Glenn Drive
Concord, CA 94520
Tel: (925) 676-2100

Flight: 2157.9
Hobbs: 2332.9
Form #: SA-108

I certify that the ELT has been inspected in accordance with the requirements of FAR Section 91.207(d), and was found to be in satisfactory condition.

ELT Part #: ACK E-01 ELT Serial #: 26504
Battery Installed: Battery Due: MAR 2013
Date: 02/03/2011 Work Order #: 35234
Signed: F. Lemon Reg. #: N215CP



Removed defective Avidyne PFD. P/N 700-00006-000, S/N 20132346. Replaced with an Avidyne supplied OHC/Exch. like item, S/N 20018296. Set configurations to proper value. Performed magnetic calibration, static & airspeed leak checks. All operations ground checks nominal--END--

The component identified above was replaced and inspected IAW Federal Aviation Regulations and was found to be in an airworthy condition for return to service.

Signed: F. Lemon
Dated: 08/16/2012 N#: 215CP Cirrus SR 20 S/N 1741
Flight: 2525.1 TTSN: N/A
HOBBS: 2700.1 For more info see w/o #36013
FAA Repair Station Certification # WQ3R954L
145 John Glenn Drive, Concord, CA. 94520 T: (925) 676-2100 F: 676-5580

I certify that the Altimeter, Static System, & Altitude Reporting tests required by FAR 91.411, and the Transponder tests required by FAR 91.413 have been performed IAW FAR 43 App E & F
Altimeter(s) tested to 20000 Ft. N 215CP
IAW FAR 43 App. E on 14 DEC 12 Date 14 DEC 12
Signed: D. Shuffert
Northcoast Services crs WR3R955L Time 2766.4

Scale Corrections

PFD Altimeter N215CP

| Reads | Add | Reads | Add |
|-------|-----|-------|-----|
| -1000 | — | 10000 | -5 |
| 0 | — | 12000 | -5 |
| 500 | — | 14000 | -5 |
| 1000 | — | 16000 | -5 |
| 1500 | — | 18000 | -5 |
| 2000 | — | 20000 | -5 |
| 3000 | -5 | 22000 | -5 |
| 4000 | -5 | 25000 | -5 |
| 6000 | -5 | 30000 | -5 |
| 8000 | -5 | 35000 | -5 |

Date: 14 DEC 12 crs WR3R955L

Tested by: D. Shuffert

DIRECTIVES

| | | |
|------|--------------------------|--------------------------|
| DATE | AIRFRAME TIME IN SERVICE | AVIONICS TIME IN SERVICE |
|------|--------------------------|--------------------------|

I certify that the Altimeter, Static System, & Altitude Reporting tests required by FAR 91.411, and the Transponder tests required by FAR 91.413 have been performed IAW FAR 43 App E & F. Altimeter(s) tested to 20000 Ft. N 215CP IAW FAR 43 App. E on 19 DEC 14 Date 19 DEC 14 Signed [Signature] crs WR3R955L Time 30083.0

Scale Corrections
STANDBY Altimeter N215CP

| Reads | Add | Reads | Add |
|-------|-----|-------|-----|
| -1000 | -10 | 10000 | 0 |
| 0 | -15 | 12000 | +5 |
| 500 | -20 | 14000 | 0 |
| 1000 | -15 | 16000 | 0 |
| 1500 | -20 | 18000 | -15 |
| 2000 | -20 | 20000 | -50 |
| 3000 | -15 | 22000 | |
| 4000 | -15 | 25000 | |
| 6000 | -5 | 30000 | |
| 8000 | +5 | 35000 | |

Date 19 DEC 14 crs WR3R955L
Tested by [Signature]

Scale Corrections

PPD Altimeter N215CP

| Reads | Add | Reads | Add |
|-------|-----|-------|-----|
| -1000 | 0 | 10000 | +5 |
| 0 | 0 | 12000 | +5 |
| 500 | 0 | 14000 | +5 |
| 1000 | 0 | 16000 | +5 |
| 1500 | 0 | 18000 | +5 |
| 2000 | 0 | 20000 | +5 |
| 3000 | 0 | 22000 | |
| 4000 | 0 | 25000 | |
| 6000 | 0 | 30000 | |
| 8000 | 0 | 35000 | |

Date 19 DEC 14 crs WR3R955L
Tested by [Signature]

| Altitude Correction Card | | | | Altimeter SN: W.O. # <u>8447</u> |
|--------------------------|---------------|------------|--------------------------|----------------------------------|
| Aircraft: <u>N215CP</u> | | # <u>1</u> | Date: <u>28 JUL 2018</u> | |
| Test Alt | Indicated Alt | Test Alt | Indicated Alt | |
| -1000 | 0 | 14000 | -10 | 0 # <u>8447</u> |
| 0 | -20 | 16000 | -10 | ite: <u>28 JUL 2018</u> |
| 500 | -20 | 18000 | -30 | Indicated Alt |
| 1000 | -20 | 20000 | -20 | +10 |
| 1500 | -20 | 22000 | | +10 |
| 2000 | -20 | 25000 | | +10 |
| 3000 | -20 | 30000 | | +40 |
| 4000 | -30 | 35000 | | |
| 6000 | -30 | 40000 | | |
| 8000 | -20 | 45000 | | |
| 10000 | -20 | 50000 | | |
| 12000 | -20 | | | |
| 8000 | -30 | 45000 | | |
| 10000 | -30 | 50000 | | |
| 12000 | -20 | | | |

I certify that Transponder/s
Model number: GTX 327
SN: 83735594
Model number:
SN:
Encoder A-38
SN: 103305

Installed in this aircraft have been tested and found to comply with the requirements of FAR 91.413(a) and FAR part 43 appendix F and E (c) Altitude reporting data (mode C) tested to 20000 feet. Reference CMA CRS work order 8447 for details of work performed. These articles were found to be airworthy and returned to service with respect to work performed on CMA CRS work order 8447.

Page No.

AIRFRAM
TIME
IN
SERVICE

DATE

ABS Avionics, Inc. CRS#485R359D
4900 Old Phoenix Ave. Fort Smith, AR 72903


Date: 8/30/2019
W/O#: 0448

Logbook Entry

S/N: 1741

Registration: N215CP Make/Model: Cirrus SR 20
Removed Garmin GNS 430, GTX 327, GA 56. Installed Avidyne IFD 540, L-3 NGT-9000R ADS-B in/out Transponder, Rami AV-801 GPS antenna and garmin GA-35 WAAS antenna, IAW STC # SA00343BO and STC # SA0244AK. Ststic system leak test completed. The installed ADS-B out system was shown to meet the equipment performance requirements of 14 CFR Part 91.227. See FAA form 337 dated this date for installation data. equipment list and weight and balance revised.

This aircraft is approved for return to service in accordance with current regulations of the Federal Aviation Administration with respect to work completed.

Signed:  Date: 8/30/2019



DATE: 2/23/2021, REGISTRATION: N215CP, MAKE: CIRRUS, MODEL: SR22, S/N: 1741
FLIGHT HOUR METER: 3925.4

ALTIMETER OUT OF TOLERANCE:
REMOVED ALTIMETER P/N 5934D-3. INSTALLED INSPECTED ALTIMETER P/N 5934D-3, S/N 438825.

FAR 91.411 AND 91.413 CHECK:
THE BIENNIAL CHECK REQUIRED BY FAR PART 91.411 ON THE STATIC PRESSURE SYSTEM(S), ALTIMETER INSTRUMENT(S), AND AUTOMATIC PRESSURE ALTITUDE REPORTING SYSTEM(S) HAVE BEEN PERFORMED AND FOUND TO COMPLY WITH FAR PART 43 APPENDIX E. THE BIENNIAL CHECK REQUIRED BY FAR PART 91.413 ON THE ATC TRANSPONDER HAS BEEN PERFORMED AND FOUND TO COMPLY WITH FAR PART 43 APPENDIX F.

- #1 ALTIMETER MFG: AVIDYNE P/N: 700-00006-000 S/N: 20018296
- #2 ALTIMETER MFG: UNITED INSTRUMENTS P/N: 5934PD-3 S/N: 438825
- #1 TRANSPONDER MFG: L-3 MODEL: NGT-9000

WITH RESPECT TO THE WORK PERFORMED THIS AIRCRAFT IS APPROVED FOR RETURN TO SERVICE.

RECORDS ARE ON FILE AT THIS AGENCY UNDER WO# SVC20-06249.

SIGNED  CRS #PZ4R458M

COLTON STEWART

CLARK REGIONAL AIRPORT (KJVY)
SELLERSBURG, INDIANA
800-356-3723



Altimeter

Altimeter P/N: _____

Serial Number: _____

| Altitude Scale Error | | |
|----------------------|-------------|------------------|
| Test Altitude | Scale Error | Altitude Reading |
| -1000 | <u>20</u> | -1010 |
| 0 | <u>20</u> | 0 |
| 500 | <u>20</u> | 495 |
| 1000 | <u>20</u> | 995 |
| 1500 | <u>25</u> | 1490 |
| 2000 | <u>30</u> | 1990 |
| 3000 | <u>30</u> | 2990 |
| 4000 | <u>35</u> | 3995 |
| 5000 | | |
| 6000 | <u>40</u> | 5980 |
| 8000 | <u>60</u> | 7985 |
| 10000 | <u>80</u> | 9980 |
| 12000 | <u>90</u> | 11980 |
| 14000 | <u>100</u> | 13990 |
| 15000 | | |
| 16000 | <u>110</u> | 15985 |
| 18000 | <u>120</u> | 17980 |
| 20000 | <u>130</u> | 19975 |
| 22000 | <u>140</u> | |
| 25000 | <u>155</u> | |
| 30000 | <u>180</u> | |

- PILOT
- COPILOT
- STANDBY

| REFERENCE ALTITUDE IN FT | ALTIMETER READING |
|--------------------------|-------------------|
|--------------------------|-------------------|

| | |
|--------|--------|
| -1,000 | -1,010 |
| 0 | 0 |
| 500 | 500 |
| 1,000 | 990 |
| 1,500 | 1,500 |
| 2,000 | 2,000 |
| 3,000 | 3,000 |
| 4,000 | 3,990 |
| 5,000 | 4,990 |
| 6,000 | 5,990 |
| 8,000 | 7,980 |
| 10,000 | 9,970 |
| 12,000 | 11,980 |
| 14,000 | 13,990 |
| 15,000 | 15,000 |
| 16,000 | 16,020 |

| | |
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| | |

Date: 2/22/2021

Tested By: SB

Avionics Systems, LLC 823D S. King St. Leesburg, VA 20175 FAA CRS 27AR086B (703) 669-2669
 Registration N215CP
 Make CIRRUS
 Model SR20
 SN 1741
 Hobbs 4292.8
 Date 11-2-2022
 W.O. # 1515

The following altimeter(s), transponder(s), pitot/static systems, and altitude reporting systems were tested To 20,000 feet I.A.W. FAR 91.411 and 91.413 and these systems were found to comply with FAR 43 Appendices E and F

| | | | |
|---------------|-----------------------|---------------------------|----------------------|
| Altimeter 1 | Make: <u>AVIADYNE</u> | P/N: <u>700-00006-000</u> | S/N: <u>20018296</u> |
| Altimeter 2 | Make: <u>UNITED</u> | P/N: <u>5934D-3</u> | S/N: <u>438825</u> |
| Transponder 1 | Make: <u>L3HARRIS</u> | P/N: <u>9029000-40000</u> | S/N: <u>LXE14001</u> |
| Transponder 2 | Make: _____ | P/N: _____ | S/N: _____ |
| Encoder 1 | Make: <u>ACE</u> | P/N: <u>A30.9</u> | S/N: <u>152833</u> |
| Encoder 2 | Make: _____ | P/N: _____ | S/N: _____ |

Signed [Signature]

Moved to new Adley book

APPLICABLE AIRWORTHINESS DIRECTIVES

ADS REQUIRING ADDITIONAL COMPLIANCE

MAJOR REPAIR & ALTERATION ENDORSEMENT FORM 8371