

LOG BOOK #2

N892AM



The Standard

AIRCRAFT LOG

ASA-SA-2

Aircraft Record General Information

Manufacturer Cirrus Design Corp. Model SR22
Serial 2738 Registration Number N892AM
Date of Manufacture October 2007

Engine(s) currently installed:

Manufacturer Continental Motors Model IO-550-N(50) Serial 691376
Manufacturer Hartzell Model PHC-J3YF-1N/N76⁵⁰ Serial FP6185B

Propeller(s) currently installed:

Manufacturer _____ Model _____
HUB Model _____ Serial _____ Serial _____
Blade Model _____ Serial _____ Serial _____ Serial _____
Blade Model _____ Serial _____ Serial _____ Serial _____

YEAR 20____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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ARAPAHOE AERO

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

N892AM Cirrus SR22 S/N: 2738 Airframe Log Entry

01 April 2020 Flight Hobbs: 1697.1 Hobbs Meter: 1888.1

Removed right elevator tip and reinstalled using original hardware following repair and paint by Haggan Aviation.

L. John Wells L. John Wells A&P 3221132 w/o 41113

ARAPAHOE AERO

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

N892AM Cirrus SR22 S/N: 2738 Airframe Log Entry

27 July 2020 Flight Hobbs: 1702.0 Hobbs Meter: 1893.0

Installed new left elevator, P/N: 19661-451, S/N: 980482 and repaired elevator tip, painted by Haggan Aviation. Installed balance weights onto new elevator assembly and completed balance check. Found to be at 1.20 inches overbalance. Installed using original hinge pins and new safeties.

L. John Wells L. John Wells A&P 3221132 w/o 41383

Pilot Primary
**Altimeter Scale
Correction Card**

Standard Altitude Feet

Altimeter Reading

-1,000

0

0

0

500

0

1,000

0

1,500

0

2,000

0

3,000

0

4,000

0

6,000

-5

8,000

-5

10,000

-10

12,000

-10

14,000

-10

Serial #

M081301084

Part#

700-00006-000

Standard Altitude Feet

Altimeter Reading

16,000

-10

18,000

-10

20,000

-15

22,000

-15

25,000

-20

30,000

-20

35,000

40,000

45,000

50,000

51,000

53,000

Date

8/27/2020

Tested By

Sean R. Maccoomb



DUNCAN
AVIATION

YEAR 20____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries)
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ARAPAHOE AERO

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

N892AM Cirrus SR22 S/N: 2738 Airframe Total Time: 1716.7

28 August 2020 Flight Hobbs: 1716.7 Hobbs Meter: 1907.6

100 Hour/Annual Inspection completed this date using the Cirrus SR22 Maintenance Manual Inspection Form and the Precise Flight Oxygen System Instruction for Continued Airworthiness as a guide. Inspected / Tested Artex ME406 ELT system according to applicable Aircraft and ELT manufacturer's instructions and found that it meets the requirement of section 91.207(d). No defect noted, Beacon Test Report No. BT100AVtriple/3195/ N892AM, dated 08/27/2020 on file. ELT battery expired, part on order. Installed placard on instrument panel "ELT Battery Expired / 28 August 2020". Inspected, cleaned, resealed, and leak checked fuel strainer. Torqued right weldment. Removed left and right dump tubes, cleaned and applied anti-seize. Installed new 'No Push' placard on left elevator. Installed safety pin on pilot's door gas strut properly. Cleaned, inspected, resealed, and reinstalled right main wheel brake caliper. Installed new brake caliper temperature placard "stickers". Installed new left main tire, P/N: 156E66-4, S/N: 93182279 and tube P/N: 092-500-0. Installed nose tire P/N: 505C66-5, S/N: 01570207 and tube P/N: 097-908-0. Balanced wheel assemblies. Reinstalled assemblies on aircraft. Cleaned, inspected and repacked all wheel bearings using Mobile SHC 100 grease and cleaned all felt grease seals. Inspected cabin fire extinguisher for condition and security and performed 30-day cabin fire extinguisher weight check, no defects noted, bottle weight 539.0 grams. Complied with **Cirrus SA 18-06 / AmSafe SB501583-25-01 (Loose Fasteners)** by inspection of inertia reel fasteners. No defect noted. AD's checked through Biweekly 2020-18. Washed aircraft exterior, cleaned windscreen and cabin windows and vacuumed seats and interior. Post inspection ground run-up and systems operational check satisfactory. **I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.**

 Randy C. Johnson A&P 3123186 IA

w/o 41496

YEAR
20
DATE

ARAPAHOE AERO

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

N892AM

Cirrus

SR22

S/N: 2738

Airframe Log Entry

21 September 2020

Flight Hobbs: 1726.5

Hobbs Meter: 1920.1

Serviced and installed a new Gill G243 battery S/N: G03074994. Installed new ELT battery P/N: 452-6499, S/N: 387138-036. Next ELT battery due August 2027. Removed placard on instrument panel "ELT Battery Expired / 28 August 2020". Installed new TKS cap o-ring.

Jason Daniel Schaaf A&P 3551738

w/o 41587

ns
of
(s.)

ARAPAHOE AERO AVIONICS

12780 E Control Tower Rd Englewood, CO 80112 303.799.6289

N892AM Cirrus SR-22 SN: 2738 Hobbs: 1959.1 Flight: 1759.1 November 20, 2020

Owner reports #1 GNS 430W unit will not display glideslope on the Avidyne PFD. The #2 GNS 430W works normally. Confirmed reported problem. Moved the #1 GNS 430W to the #2 position and the #2 to the #1 position. Re-configured units as required. Noted the problem still exists with the #1 unit in the #2 position. Internal glideslope receiver problem suspected. Momentarily installed the #2 unit in another aircraft for troubleshooting. No defects noted, unit works normally. Removed and replaced NAV 1/2, GS 1/2 splitter with new. Replaced all NAV & GS coax and connectors between the radios and the splitter. Performed VOR/ILS ground checks. No defects noted.

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

FAA CRS ZL6R006Y Signed:

AV-04478

YEAR
20
DATE

ARAPAHOE AERO

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

N892AM Cirrus SR22 S/N: 22-2738 Airframe Log Entry

14 January 2021 Flight Hobbs: 1767.9 Hobbs Meter: 1969.4

Completed 50 Hour Servicing this date using Cirrus 50 Hour Inspection items as a guide. Checked flight controls and fairings. Inspected, cleaned, resealed, and leak checked fuel strainer. Checked security of #1 aircraft battery. Inspected nose and main landing gear tires and serviced to specified pressures. Inspected brake calipers and linings. Installed new right brake caliper temperature placard "stickers". Checked main wheel fairing bolt torque. Torqued and safetied outboard elevator hinge bolt nut. Replaced top rudder hinge bolt. Serviced oxygen. Checked service level of TKS system reservoirs. Post inspection ground run-up and systems operational check satisfactory. Cleaned windscreen and cabin windows and vacuumed seats and interior.

Kevin Mosher
Kevin Mosher A&P 3443784

w/o 41828

ARAPAHOE AERO

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

N892AM Cirrus SR22 S/N: 2738 Airframe Log Entry

18 January 2021 Flight Hobbs: 1769.2 Hobbs Meter: 1971.9

Cleaned firewall cabin heat mixing box valve flap as needed. Operational check satisfactory.

Randy J. Knox Jr.
Randy J. Knox Jr. A&P 3227973

w/o 41907

YEA
20
DAT

AOG-ASAP Avionics CRS 00AR682Y 37451 Beechcraft Way, Watkins, CO
N892AM Cirrus SR22 s/n 2738 Avionics/Airframe Log Entry
August 12, 2021 Flight Hobbs:1817.6 Hobbs Meter: 2037.3

Addressed the following tasks:

- 1) Upgrade this aircraft from existing dual Garmin GNS-430 navigators to Avidyne IFD-440 navigators.
 - 2) Upgrade the Avidyne Entegra MFD system software from 53000201-100 to version 8.2.2 in order to support display of ADS-B-derived data from GTX-345 to the MFD.
 - 3) Establish communications between GTX-345 to MFD to display weather and traffic on the MFD.
- Found the existing WAAS navigators were paired to a GTX-345 ADS-B transponder by previously performed work. Initial inspection revealed that the GTX-345 was not physically integrated to the MFD, and that previous installation failed to comply with the installation instructions in Garmin Installation manual 190-00734-10 per STC SA01714W1 and instructions in the Avidyne MFD Installation manual requiring that third party equipment installation manuals must be complied with. The observed deficiencies included no back-shell or strain relief utilized for the I/O connector, shield drains not connected to a back-shell, and the connector body fixed to the equipment tray by use of screws with self-locking nuts in lieu of proper use of the specified back-shell. This methodology did not allow normal access to the connector pinout to complete the wiring between the transponder and the MFD, and required removal of the avionics rack and surrounding area to access the self-locking nuts to enable such access. Performed the following work to support the above tasks:
- 1) In accord with Avidyne installation manual 600-00299-000 Rev. 21 per STC SA00343BO, recorded configuration of and removed GNS-430 navigators, p/n 011-01060, serial numbers 23403099 (#1 position) and 23402958 (#2 position). Installed IFD-440 navigators p/n 700-00179-000, serial numbers M212399131 (#1) and M212399168 (#2). Configured IFD navigators and loaded current database. Electrical load analysis performed and found to be acceptable. Weight and balance data not changed. Checked for proper operation, no defects noted.
 - 2) Entegra MFD configuration recorded, software updated to 8.2.2 per Avidyne Service Bulletin 601-00004-107 "EX5000 MFD Release 8.2.2 Software Upgrade". Configuration restored, database loaded, checked for proper operation. No defects noted.
 - 3) Removed aircraft avionics rack, removed Transponder tray. Added circuit for traffic communication to MFD per Avidyne Installation Manual 600-00073-001. Reconfigured P1 connector in accord with Garmin Installation Manual 190-00734-10. Added P2 connector and circuit for weather communication to MFD per above-cited Avidyne manual. Reconfigured transponder and MFD for proper communications. Circuits added utilized M27500-22TG2T14 shielded cable. Reinstalled transponder tray with connectors and back-shells, reinstalled avionics rack. Configured MFD and transponder for traffic and weather communications. Checked for proper operation, no defects noted.

Return to service test flight completed by William Heiss, CFIMEI 3119895 ATP, no deficiencies noted in regard to the work performed. Instructions for Continued Airworthiness and Flight Manual Supplements provided to owner. The above work was completed in accord with applicable Avidyne and Garmin installation data, and FAA AC 43.13.1B. This aircraft has been found airworthy in regard to the work requested and performed as detailed above, and is approved for return to service. Details on file on WO # 211025, copy provided to the owner. *William Heiss*
for AOG-ASAP Avionics, CRS 00AR682Y.

ARAPAHOE AERO

YEAR
20
DATE

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

N892AM

Cirrus

SR22

S/N: 2738


Airframe Total Time: 1819.8

11 September 2021

Flight Hobbs: 1819.8

Hobbs Meter: 2040.7

100 Hour/Annual Inspection completed this date using the Cirrus SR22 Maintenance Manual Inspection Form and the Precise Flight Oxygen System Instruction for Continued Airworthiness as a guide. Inspected / Tested Artex ME406 ELT system according to applicable Aircraft and ELT manufacturer's instructions and found that it meets the requirement of section 91.207(d). No defect noted, Beacon Test Report No. BT100AVtriple/3195/N892AM, dated 08/27/2021 on file. **ELT battery due August 2027.** Installed (2) new #2 batteries P/N: 50979-001. **Next #2 battery replacement due September 2023 or Flight Hobbs: 2319.8.** Installed new helicoil and secured right tow pin. Replaced screw in aft top bulkhead cover. Replaced pilot door bottom latch spring. Tightened right wing strobe lens. Installed new pilot and copilot seat energy absorbers P/N: 14152-004. Installed new bushing and bolt in elevator end of trim cartridge, torqued and safetied. Adjusted heater box scat tube. Installed new aft cowl nose landing gear seal P/N: 206665-003. Cleaned, inspected, resealed, and reinstalled left and right main wheel brake caliper. Installed new brake caliper temperature placards and new right brake linings P/N: 066-06200. Conditioned brakes per Cleveland service instructions. Removed EMA controller P/N: 508358-421, S/N: RA11JUN14-3 due to life limit, installed new unit P/N: 508358-421, S/N: A18JUN21-43. **Next EMA controller replacement due June 2028.** Performed AmSafe unit installation check, no defects noted. Inspected cabin fire extinguisher for condition and security and performed 30-day cabin fire extinguisher weight check, no defects noted, bottle weight 535 grams. Updated POH and supplement log to include TPOH 15-15R2 Brake System, 13772-108 R6 Autopilot, 13772-115 R10 Ice Protection, 13772-129 R2 Propeller, 13772-131 R2 ELT. Removed electric fuel pump P/N: 5217-00-3, S/N: 3784. Installed repaired unit P/N: 42263-001S, S/N: 217025, repaired by Weldon Pump, CRS # 2WPR261B, reference 8130-3 dated 06 July 2021, WO #72599. Completed CAPS Electrical System check as needed. All voltage, resistance and diode checks, readings are found to be within limits. Complied with **Cirrus SB 2X-32-19 R3 (Nose Landing Gear Inspection)** by inspecting the nose landing gear assembly gusset plates for cracks as outlined in Service Bulletin, no cracks noted. **Next inspection due Hobbs Time: 1919.8.** Complied with **Cirrus SB 2X-34-29 R1 (TKS and Pitot Line Routing Inspection)** by visual inspection, found to be routed incorrectly, disconnected, routed properly and reconnected. AD's checked through Biweekly 2021-19. Washed aircraft exterior, cleaned windscreen and cabin windows and vacuumed seats and interior. Post inspection ground run-up and systems operational check satisfactory. **I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.**


Aaron Peter Villery A&P 3224687 IA

w/o 42583

YEAR

20

DATE

ARAPAHOE AERO AVIONICS

12780 E Control Tower Rd Englewood, CO 80112 303.799.6289

N892AM Cirrus SR22 SN: 2738 ACTT: 1844.4**October 29, 2021**

Owner reports S-Tec 55x Autopilot VS issues. Checked wiring, evaluated PFD VS output voltage. Fabricated a breakout harness for system, found no faults. Discovered long 55x backplate screws interfering with 55x computer engagement to the tray connectors. Shortened backplate screws and computer fully engaged into tray. Op checks good. No further defects noted.

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

FAA CRS ZL6R006Y Signed:**AV-04610****ARAPAHOE AERO**

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

N892AM**Cirrus****SR22****S/N: 22-2738****Airframe Log Entry****26 March 2022****Flight Hobbs: 1866.5****Hobbs Meter: 2100.4**

Completed 50 Hour Servicing this date using Cirrus 50 Hour Inspection items as a guide. Checked flight controls and fairings. Inspected, cleaned, resealed, and leak checked fuel strainer. Checked security of #1 aircraft battery. Inspected nose and main landing gear tires and serviced to specified pressures. Inspected brake calipers and linings. Installed new left brake linings, P/N: 066-30026. Conditioned brakes per Cleveland service instructions. Checked service level of TKS system reservoirs. Post inspection ground run-up and systems operational check satisfactory. Cleaned windscreen and cabin windows and vacuumed seats and interior.

Bryan Bodjanac A&P 4151726**w/o 43195**

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				<p>N# <u>892AM</u> <u>Transponder/Altimeter/Static Biennial Certification</u></p> <p>This aircraft's Altimeter system and Altitude Reporting Equipment have been inspected and tested in accordance with FAR 43 appendix E & F. To comply with 91.411.</p> <p>PILOT ALT. P/N <u>700-006-000</u> S/N <u>1108130684</u> Tested to <u>22,000</u></p> <p>C/P ALT. P/N <u>5934AD-3</u> S/N <u>463316</u> Tested to <u>22,000</u></p> <p>Encoder P/N <u>A-30</u> S/N <u>148262</u> Tested to <u>22,000</u></p> <p>The Aircraft's ATC Transponder sys. Has been inspected and tested ICW FAR 43 Appendix F to Comply with 91.413.</p> <p>Transponder: <u>Garmin</u> P/N <u>GTX345</u> S/N <u>3EG020847</u></p> <p>Transponder: <u>- - -</u> P/N <u>- - -</u> S/N <u>- - -</u></p> <p><input checked="" type="checkbox"/> The Static system complies with CFR 23.1325. Leakage ft/min: <u>-40</u></p> <p>Notes: <u>NONE</u></p> <p>W.O.# <u>2209275760</u> Date: <u>4/27/22</u> Hours <u>2149.3</u></p> <p>INSPECTOR: <u>Sam Kristensen</u></p> <p><u>Front Range Transponder Svc.</u></p> <p><u>11750 Airport Way Broomfield, CO 80021 303-469-1380 CRS F42R979Y</u></p>

YEAR 20____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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October 5 2022

N892AM

Cirrus SR22 S/N 2738

Flight meter: 1906.4 ACTT: 1906.4 (Hobbs: 2149.3)



Frederick Municipal Airport
395 Airport Drive
Frederick, CO 80516

1. Performed an **Annual** inspection of **aircraft** in accordance with FAR 43 appendix D, and in reference to Cirrus SR22 AMM Chapter 05-20 schedule maintenance checks 100 hour items and a checklist as a guide. Precise Flight instructions for continued airworthiness checks.
 2. Tested ELT in accordance with FAR 91.207 (a-d), battery next due **AUG 2027**.
 3. Checked nose gear fork tension per Cirrus SR22 AMM. Reset from 19lbs to 25lbs.
 4. Complied with Cirrus **SB 2X-32-19R2** Inspection of nose landing gear upper gusset welds.
 5. Repaired right wing fuel tank naca vent.
 6. Tightened all exhaust heat shields.
 7. Repaired lower inboard flange on right aft engine baffle.
 8. Installed new mixture and throttle control cable rod end bearings, P/N's 11314-003.
 9. Removed induction PRV wye duct and bonded on new chafe pad. Reinstalled PRV duct.
 10. Replaced missing left wing aileron gap seal with new part, P/N 14390-003.
 11. Re-safety wired left aileron inboard hinge bolt.
 12. Installed new right main gear tire, Michelin Pilot 15x6.0-6, P/N 025-501-0, S/N 2098T0029.
 13. Removed and resealed right brake caliper, 2ea. MS28775-222, 1ea. 51698-001 and 1ea. 51698-003 temp decals, and installed new shim P/N RA68-01100. Reinstalled caliper, serviced and bled brakes.
 14. Re-fillet sealed com antenna on upper fuselage.
 15. Installed new magneto pressurization filter P/N 04-6700015.
 16. Complied with oxygen cylinder 15 year retirement, installed new cylinder P/N 026N2003-3, S/N 3266-1, date of manufacture July 2022. **Hydrostatic test due every 5 years, next due July 2027, cylinder 15 year retirement due July 2037.**
- Inspected aircraft exhaust, fuel and oil systems, landing gear, structure, wings, control systems and overall aircraft condition. C/W inspection instructions for continued airworthiness for installed STC's, and 337's. I certify this **aircraft** has been inspected in accordance with an **Annual** inspection and determined to be in airworthy condition. -----END-----

Terrill Shafer
AP2860279IA

ARAPAHOE AERO

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

N892AM

Cirrus

SR22

S/N: 2738

Airframe Log Entry

07 February 2023

Flight Hobbs: 1916.7

Hobbs Meter: 2163.3

Removed battery, serviced and charged. Reinstalled battery.

 Christopher James Anderson A&P 4153239

w/o 44032

ARAPAHOE AERO

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

N892AM

Cirrus

SR22

S/N: 2738

Airframe Log Entry

06 May 2023

Flight Hobbs: 1922.4

Hobbs Meter: 2169.8

Serviced and installed a new Gill G243 battery S/N: G03145588.

 L. John Wells A&P 3221132

w/o 44275

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tries.)