

N770CT

AIRCRAFT LOG
AF5-1

AIRCRAFT DESCRIPTION

Cirrus Design Corporation

MODEL SR22

DATE OF MFG. JAN 2008

2927

REGISTRATION NUMBER N770CT

Inspection Status

(Check one)

F.A.R. 91.409 ANNUAL/100 HOUR

F.A.R. 91.409 PROGRESSIVE

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

OTHER

DATE ENTERED _____

MAINTENANCE RESPONSIBILITY

INSTALLED EQUIPMENT

ITEM	MANUFACTURER	MODEL	SERIAL NO.
ENGINE	Teledyne Continental Motors Inc	IO-550-N	R L 691499
ENGINE			R L
PROPELLER	Hartzell Propeller Inc	PHC-334F-1N	FP6250B
PROPELLER			
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MAJOR ALTERATIONS

DATE

DESCRIPTION OF ALTERATION

1-15-08

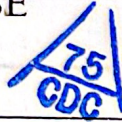
THE FOLLOWING SUPPLEMENTAL TYPE CERTIFICATES
HAVE BEEN INSTALLED ON THIS AIRCRAFT

SA10588SC

SE10589SC

SA01708SE

CDC



on 01/15/08.

Cirrus Design Corporation Duluth, MN USA

PC# 338CE

RADIO & ELECTRONIC CHECKS

ARAPAHOE AERO AVIONICS

12780 E. Control Tower Road K-6 Englewood, CO 80112 303-799-6289

N770CT Cirrus SR-22 sn: 2927

April 28, 2009

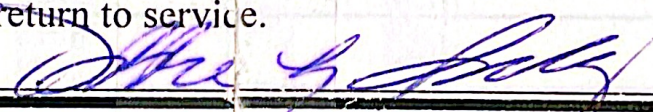
Hobbs: 350.7

GARMIN GNS430W sn: 23404559 and GNS 430W sn: 23404526

MAIN Software has been updated to Version 3.20 and GPS Software has been updated to Version 3.2 per GARMIN Software Service Bulletin No. 0848B. Performed Mandatory Terrain Database update per Garmin Service Bulletin No. 0820 JUN/08.

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

FAA CRS ZL6R006Y Signed:



AV-01⁶¹⁶~~554~~

ARAPAHOE AERO AVIONICS

12780 E. Control Tower Road K-6 Englewood, CO 80112 303-799-6289

N770CT Cirrus SR-22 sn: 2927

August 27, 2009

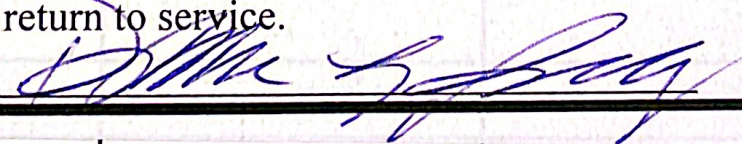
Hobbs: 487.3

GARMIN GNS430W sn: 23404559 and GNS 430W sn: 23404526

MAIN Software has been updated to Version 3.30 per GARMIN Software Service Bulletin No. 0918A. Performed Obstacle Database update to Version 09B5.

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

FAA CRS ZL6R006Y Signed:



AV-01747

RADIO & ELECTRONIC CHECKS

MID-CONTINENT INSTRUMENTS

Altimeter Scale
Correction Card

Altimeter S/N 473546
Part No. 5934 PAD-3A259

REFERENCE ALTITUDE IN FT.	ALTIMETER READS	REFERENCE ALTITUDE IN FT.	ALTIMETER READS
-1000	-1020	15000	14945
0	5	16000	15950
500	500	18000	17965
1000	1015	20000	19990
1500	1510	22000	22010
2000	2020	25000	25050
3000	3010	30000	30085
4000	4010	35000	35100
5000	5005	40000	/
6000	5995	45000	
8000	7985	50000	
10000	9970	55000	
12000	11960		
14000	13950		

Tested By: A. [Signature] Inspector: [Signature]

Date: 2-3-10

MID-CONTINENT INSTRUMENT CO. INC.
9400 E. 34th St. North
Wichita, KS 67226 USA
Tel 800-821-1212 • 316-630-0101
FAA Repair Station # OL2R061L

MID-CONTINENT INSTRUMENTS WEST
16320 Stagg Street
Van Nuys, CA 91406 USA
Tel 800-345-7599 • 818-786-0300
FAA Repair Station # OL2D061L

ation No.:

29-6289

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NO #

User/Installer Reference Bulletin
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2010

date:
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AV-01938

RADIO & ELECTRONIC CHECKS

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

12780 E. Control Tower Road Englewood, Colorado 80112 303-799-6289

N770CT Cirrus SR-22 sn: 2927

April 1, 2010

Hobbs: 568.0


United Instruments Altimeter 5934AD-3 sn: 466870 failed FAR 91.411 test and inspection.

Exchanged defective Altimeter with United Instruments Altimeter 5934PAD-3 sn: 473546 Altimeter certification per FAR 91.411 to 35K' by Mid-Continent Instruments Inc. on their WO # WRK0155018 dated February 3, 2010. See their 8130-3 issued this date.

Avidyne PFD 700-00006-000 sn: 20031196 has been tested in accordance with Avidyne Service Bulletin No. 601-00006-040 dated 6-17-2005 for FAR 91.411. See our Form AA-090 for details. 8130-3 issued date April 1, 2010. Aircraft's Static system has been tested per FAR Part 43 Appendix E.

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

CRS ZL6R006Y Signed:



AV-01938

ARAPAHOE AERO AVIONICS

12780 E. Control Tower Road, Englewood, CO 80112 303-799-6289

N770CT Cirrus SR-22 sn: 2927

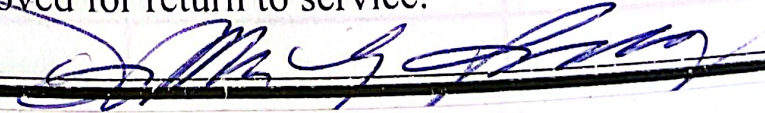
April 1, 2010

Hobbs: 568.0

The ATC Transponder test and inspection required by FAR 91.413 has been complied with this date: April 1, 2010 on Garmin GTX-327 sn: 83730881 and found to comply with FAR Part 43 Appendix F. Details of this test and inspection are on file at this Repair Station on our WO # AV-01938.

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

FAA CRS ZL6R006Y Signed:



AV-01938

RADIO & ELECTRONIC CHECKS

T. NO.	DATE	TOTAL	EQUIPMENT	TYPE OF	ERROR OR	NEXT CHECK	CHECKED BY
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ARAPAHOE AERO AVIONICS

12780 E. Control Tower Road K-6 Englewood, CO 80112 303.799.6289

N770CT Cirrus SR-22 sn: 2927

April 6, 2011

Hobbs: 576.6

Removed the following equipment: . MFD 700-00004-008 sn: 20020497, PFD 700-00006-000 sn: 20031196 , GMA-340 011-00401-10 sn: 92276551, GNS 430W 011-01060-00 sn: 23404526

GNS 430W 011-01060-00 sn: 23404559, XMD076-01 sn: 816001699, STEC 55X 01192-34-61T-30 sn: 0723-12393

Installed the following equipment: **Avidyne R9 System including: Harness Assembly 100-00394-111 Rev. 04 sn: 00106465-014, PS Engineering PMA-8000BT 050-890- 0404 sn: BBT-1448**

Avidyne IFD5000i Integrated Flight Display 700-00083-000 sn: M110330451 Rev. 00 sw: 530-00218-000 Rev. 00 (IFR cert 2-2-2011), Avidyne IFD5000i Integrated Flight Display 700-00083-000 sn: M110330488 Rev. 00 sw: 530-00218-000 Rev. 00 (IFR cert 2-15-2011)

Avidyne ACD215 Keyboard Control Display Unit 700-00150-002 Rev. 00 sn: M110431235 sw: 530-00205-000 Rev. 01, Avidyne ACM100 Aircraft Configuration Module 700-00156-000 Rev. 02 sn: M110632410, Avidyne MAG300

Magnetometer 700-00011-000 Rev. 07 sn: 90153248 sw: 530-00124-000 Rev. 02, Avidyne MLB700 XM Antenna 200-00176-000 Rev. 00 sn: 814-0787

Avidyne MLB700 Receiver 700-00159-001 Rev. 01 sn: M110833435 sw: 530-00197-000 Rev. 01
ESN1: 034341005922 ESN2: 034340964021

Avidyne XM Antenna 200-00179-000 sn: 814-0787, Avidyne DFC-100 Autopilot 700-00170-001 Rev. 01 sn: M110330399 Software 530-00219-000 Rev. 00, Sandia AIS240-35-28 Remote Switch Unit sn:12464

The above equipment has been installed and ground checked in accordance with the Installation/Operation procedures and instructions: Avidyne Corporation Master Document List AVIFD-005 Rev. 5 dated DEC/10 per **STC SA00282BO**, PS Engineering PMA-8000BT Installation Manual 200-890-0404 Rev. 1 JAN/11.

Main Wiring Harness was supplied by Avidyne and was produced under FAA-PMA and in accordance with STC SA00282BO. All additional wiring was fabricated from Mil-W-22759 16-22 gauge wire. Power was supplied through 2 10A circuit breakers labeled "IFD 1" and " IFD2" on the appropriate Busses. The MLB 700 was powered through the existing XM Weather Circuit Breaker. The ACD215 Keyboard is powered through a 1A circuit breaker labeled "Keyboard".

All work done in accordance with AC 4. 3.13-1B Chapter 10, Chapter 11 sections 3-5 & 8-13, Chapter 12 Sections 1 & 2 and AC 43.13-2A Chapters 1, 2 & 3. Aircraft's Equipment List has been amended and a New Weight and Balance prepared and entered in aircraft's records.

CONTINUED on NEXT PAGE.

RADIO & ELECTRONIC CHECKS

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

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 Hobbs: 618.2
 United Instru
 91.411 Part 43
 April 24, 2012
 2013). Encoder
 FAR Part 43 A
 The aircraft and
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1278
 N770CT Cir
 Hobbs: 618.2
 The ATC Trans
 date: April 24,
 43 Appendix F
 Order No. AV-
 The aircraft and
 maintenance ru
 FAA CRS ZL

Centennial Instruments, Inc.
 7285 S. Revere Parkway Suite 705
 Centennial, Colorado. 80112 FAA Repair Station # L51R350Y

	Altitude in Feet	Error	Altitude in Feet	Error
1. App	-1000	-5	16000	-25
4. Organ	0	+15	18000	-10
	500	+15	20000	+15
	1000	+20	22000	+40
	1500	+20	25000	+80
	2000	+25	30000	+120
6. Item:	3000	+30	35000	+140
	4000	+25	40000	
1	6000	+20	45000	
	8000	-5	50000	
13. Rem	10000	-5	51000	
	12000	-15	52000	
CERT	14000	-30	53000	

Tested by: Stephen R. Hardy Date: APRIL 24, 2012
 Part # 5834PAD-3 S/N: 473546

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 RWORTI

CO 8011

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 N/

00 FEET.

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. V
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15. Authorized Signature

16. Approval Authorization No.

20. A

RADIO & ELECTRONIC CHECKS

RT. NO.	DATE	TOTAL TIME	EQUIPMENT CHECKED	TYPE OF CHECK	ERROR OR RESULTS	NEXT CHECK DUE	CHECKED BY SIGNATURE — CE
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ARAPAHOE AERO AVIONICS

12780 E Control Tower Road Englewood, CO 80112 303.799.6289

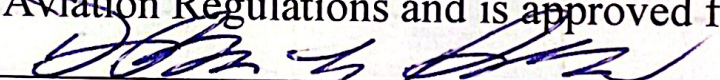
N770CT Cirrus SR-22 sn: 2927

April 24, 2012

Hobbs: 618.2

United Instrument Altimeter 5934PAD-3 sn: 473546 has been tested and inspected per FAR 91.411 Part 43 Appendix E to 35K' by Centennial Instruments Inc. on their WO# 8685 dated April 24, 2012. See their 8130-3 issued this date. (Avidyne IFD Altimeters expire February 2013). Encoder tested within tolerances. Aircraft's Pitot and Static systems have been tested per FAR Part 43 Appendix E.

The aircraft and/or component identified above has 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-02596

ARAPAHOE AERO AVIONICS

12780 E Control Tower Road Englewood, CO 80112 303.799.6289

N770CT Cirrus SR-22 sn: 2927

April 24, 2012

Hobbs: 618.2

The ATC Transponder test and inspection required by FAR 91.413 has been complied with this date: April 24, 2012 on Garmin GTX-327 sn: 83730881 and found to comply with FAR Part 43 Appendix F. Details of this test and inspection are on file at this Repair Station on our Work Order No. AV-02596

The aircraft and/or component identified above has 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-02596

RADIO & ELECTRONIC CHECKS

TOTAL TIME	EQUIPMENT CHECKED	TYPE OF CHECK	ERROR OR RESULTS	NEXT CHECK DUE	CHECKED BY: SIGNATURE — CERT
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ARAPAHOE AERO AVIONICS

12780 E Control Tower Road Englewood, CO 80112 303.799.6289

N770CT Cirrus SR-22 sn: 2927

May 7, 2012

Hobbs: 618.2

Avidyne DFC-100 700-00170-001 sn: M104624618 has been Upgraded to Release 2 by Avidyne Corporation on their WO # 9017827 dated May 4, 2012. See their 8130-3 issued this date. **Avidyne Service Bulletin No. 601-00170-008 Rev. 00** dated January 2012. A new DFC-100 Flight Manual Supplement 600-00271-000 Rev. 02 and ICA AVDFC-030 Rev. 03 have been added to POH and aircraft's records. DFC-100 Pilot Guide Update 600-00290-000 Rev. 01 has been supplied by Avidyne and remains with the aircraft.

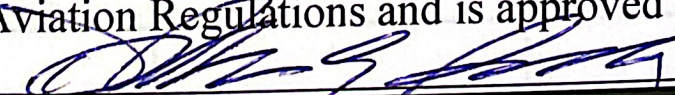
Avidyne IFD5000i Integrated Flight Display 700-00083-000 sn: M110330451

Avidyne IFD5000i Integrated Flight Display 700-00083-000 sn: M110330488

Software has been updated to **Version 9.2.3** per **Avidyne Service Bulletin No. 601-00083-025 Rev. 02** dated September 2011. (previous Version 9.2.1)

Software has been updated to **Version 9.2.4** per **Avidyne Service Bulletin No. 601-00083-026 Rev 00** dated December 2011. (previous Version 9.2.3)

The aircraft and/or component identified above has 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-02596

Centennial Instruments, Inc.

7285 S. Revere Parkway Suite 705
Centennial, Colorado 80112

303-662-0692

FAA Repair Station # L51R30Y

RELEASE .6289
AIRWORK 014

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C/N

Altitude in Feet	Error	Altitude in Feet	Error
-1000	-20	16000	-40
0	0	18000	-30
500	0	20000	-10
1000	0	22000	+15
1500	0	25000	+50
2000	0	30000	+80
3000	0	35000	+130
4000	-10	40000	
6000	-5	45000	
8000	0	50000	
10000	-20	51000	
12000	-40	52000	
14000	-30	53000	

Tested by: [Signature] Date: 7-25-14
Part #: 5934 PAD-3 S/N: 473546

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9582 dated
May 2015).
ed per FAR
CO 8011:
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o service.
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13a.. 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 12

maintenance rules of the Federal Aviation Regulations and is approved for return to service.

FAA CRS ZL6R006Y Signed: [Signature] AV-03211

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1 FAR Part 43
our Work
With the current

ARAPAHOE AERO AVIONICS

12780 E Control Tower Road Englewood, CO 80112 303.799.6289

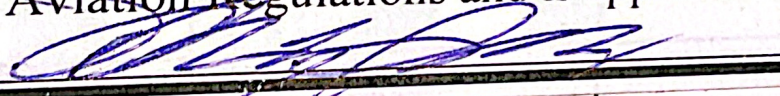
N770CT Cirrus SR-22 sn: 2927

July 25, 2014

Hobbs: 698.1

United Instrument Altimeter 5934PAD-3 sn: 473546 has been tested and inspected per FAR 91.411 Part 43 Appendix E to 35K' by Centennial Instruments Inc. on their WO# 9582 dated July 25, 2014. See their 8130-3 issued this date. (Avidyne IFD Altimeters expire May 2015). Encoder tested within tolerances. Aircraft's Pitot and Static systems have been tested per FAR Part 43 Appendix E.

The aircraft and/or component identified above has 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-03211

ARAPAHOE AERO AVIONICS

12780 E Control Tower Road Englewood, CO 80112 303.799.6289

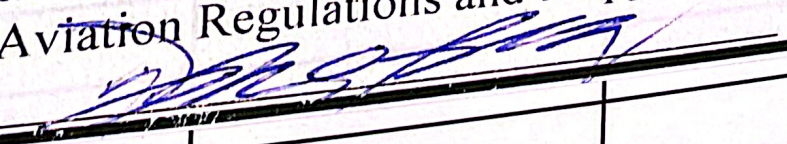
N770CT Cirrus SR-22 sn: 2927

July 25, 2014

Hobbs: 698.1

The ATC Transponder test and inspection required by FAR 91.413 has been complied with this date: July 25, 2014 on **Garmin GTX-327 sn: 83730881** and found to comply with FAR Part 43 Appendix F. Details of this test and inspection are on file at this Repair Station on our Work Order No. AV-03211.

The aircraft and/or component identified above has 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-03211

MAINTENANCE RECORD

F.A.R. 43.9

COM

February 26 2008
N770CT
S/N 2927
Hobbs Time : 15.5



Erie Municipal Airport
395 Airport Drive
Erie, CO 80516

AGENCY & CERTIFICATE NO.

SERVICE

1. Installed Reiff Turbo XP engine preheat system, including oil sump heaters, thermostat and hotband cylinder heaters. Change to weight and balance negligible. Operational check satisfactory.
2. Troubleshoot cabin heater, re-rigg cabin air control assembly. ---END---

A handwritten signature in black ink, appearing to read 'Terrill Shafer', written over a grid background.

Terrill Shafer
IA2860279

April 16 2008
N770CT
S/N 2927
Flight Hobbs Time: 34.1



Erie Municipal Airport
395 Airport Drive
Erie, CO 80516

1. Performed 25 hour inspection of aircraft in accordance with Cirrus SR22 AMM Chapter 05
2. Replaced fuel boost pump, P/N 11839-001S, new S/N 2892.
3. Replaced all four fuel dial sensors, P/N 18484-301 and recalibrated fuel gages.
4. Replaced audio panel P/N 12717-050, new S/N 96276551.
5. Replaced right side wing tip tail light P/N A508-28.
6. Replaced tail tie down bumper P/N 16678-001.
7. Replaced oxygen fill cover retaining Camloc P/N S3275-102R
8. Replaced cylinder #2 Reiff cylinder band heater, supplied by Reiff.

-----END-----

A handwritten signature in black ink, appearing to read 'Terrill Shafer', written over a grid background.

Terrill Shafer
IA2860279

MAINTENANCE RECORD F.A.R. 43.9

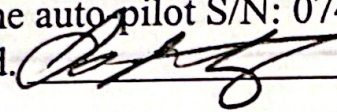
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ARAPAHOE AERO

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

N770CT Cirrus SR22 S/N: 2927 Aircraft Total Time: 56.8

8 May 2008 Flight Hobbs: 56.8

Removed altitude transducer for the auto pilot S/N: 0742-383 and installed an exchange unit S/N: 20347A.
Ground test of auto-pilot was good.  Scott L. Utz A&P523021803

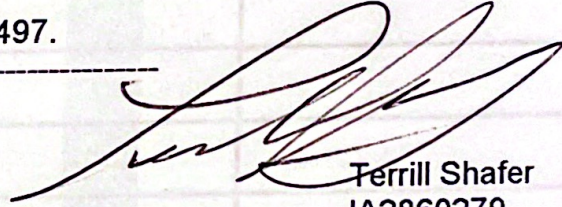
w/o 26452

April 23 2008
N770CT
S/N 2927



Erie Municipal Airport
395 Airport Drive
Erie, CO 80516

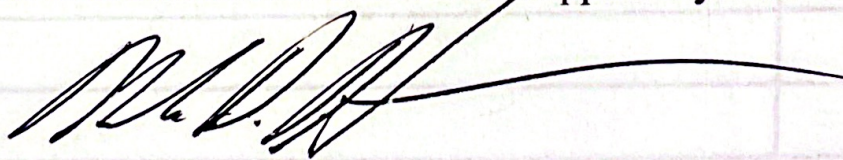
1. AD 08-06-28 found N/A by PFD serial number. PFD S/N 20060497.
-----END-----


Terrill Shafer
IA2860279

N770CT 06/20/08 Hobbs- 112.7

1. Installed new start switch. P/N 19537-001, supplied by Cirrus Design.

Smiling Aviation, Inc.
870 15.75 Road
Delta Co 81416



Mark D. Husmann
A&P3230743IA
970-874-5181

**MAINTENANCE RECORD
F.A.R. 43.9**

ARAPAHOE AERO

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

N770CT

Cirrus

SR22

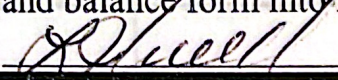
S/N: 2927

07 June 2008

Hobbs: 0102.7

Flight Hobbs: 0080.4

50 Hour Inspection completed this date using the Cirrus 50 Hour Inspection Items as a guide. Cleaned and resealed fuel strainer. Serviced #1 aircraft battery and brake reservoir as needed. Installed new #1 battery negative terminal boot. Inspected tires and brakes. Checked tire pressure. Adjusted cabin air temperature mixing box control. Repositioned left upper main fairing as needed. Reattached lower cowling aft seals using 3M 1300L. Installed new nose strut aft seal in cowling. Serviced oxygen system to 2000 PSI. Cleaned windows and vacuumed interior. Ground run operational check of aircraft systems satisfactory. **Complied with Cirrus SB 2X-08-01 (weight and balance correction)** by installation of adjusted weight and balance form into POH as received from Cirrus. END.


L. John Wells A&P3221132

w/o 26572 / 26573

ARAPAHOE AERO

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

N770CT

Continental

IO-550-N

S/N: 691499

Engine Total Time: 131.3

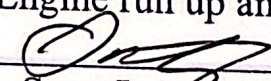
8 September 2008

Flight Hobbs: 131.1

Hobbs: 165.8

100 Hour Inspection completed this date using the Cirrus inspection program form as a guide. Changed the engine oil and filter (Shell 15W50). Cut oil filter open and inspected, no contaminants noted. Cleaned, gapped, tested and rotated spark plugs. Checked and adjusted ignition timing. Checked exhaust system, ignition leads breather, no defects noted. Engine run up and leak check good. Adjusted manifold pressure as required per TAT service instructions.

w/o 26976


Scott L. Utz A&P523021803

MAINTENANCE RECORD

F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATION WORK PERFORMED/RETURNE
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ARAPAHOE AERO

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

N770CT

Cirrus

SR22

S/N: 22-2927

14 March 2009

Flight Hobbs: 248.7

Hobbs: 298.1

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. Artex ME406 ELT tested per FAR 91.207(d), no defects noted. **ELT battery due February 2013.** Flipped co-pilot's interior door handle and secured installation hardware. Relieved shoulder harness friction point and reinstalled pilot's seat upholstery. Tightened baggage compartment coat hanger bracket. Cleaned and primed affected areas and reinstalled left wing forward and aft sections of wing to fuselage fairing, upper right wing upper wing to fuselage fairing and left and right lower wing to fuselage fairing using new double-sided tape as required. Secured one antenna wiring harness to tail cone mounted tie-block. Installed and sealed new vertical fin mounted VOR antenna elastic grommets. Inspected, cleaned, resealed, and safetied fuel strainer. Serviced and charged #1 aircraft battery. Installed new positive battery terminal electrical nipple. Secured right main gear upper support bracket and installed new lower support P/N: 18362-001. Serviced brake reservoir. Installed new cabin air inlet duct firewall insulation kit P/N: 70194-001. Cleaned affected areas, primed and installed new aluminum adhesive backed tape and anti-chafe strips on lower cowling as required. Checked servicing of oxygen system and inspected for leakage, no defects noted. **Avidyne AD 2009-05-05 (PFD Limitations)** effective 04-03-2009, supersedes AD 2008-06-28 R1, does not apply by installed PFD Serial Number: 20060497, no further action required. Performed AmSafe post installation seat check, no defects noted. Washed and waxed aircraft exterior, cleaned windscreen and cabin windows and vacuumed seats and interior. AD's checked through Biweekly 2009-05. **I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.**

L. John Wells

L. John Wells A&P 3221132 IA

w/o 27623, 27624

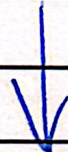
MAINTENANCE RECORD

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 SER
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ARAPAHOE AERO			
12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386			
N770CT	Cirrus	SR22	S/N: 22-2927
25 March 2009	Flight Hobbs: 268.0		Hobbs: 317.5
Pressure purged TKS panels on both wings as needed. Serviced TKS reservoir. Ground operational check satisfactory.			
<i>L. John Wells</i>		L. John Wells A&P 3221132	w/o 27737

ARAPAHOE AERO			
12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386			
N770CT	Cirrus	SR22	S/N: 2927
28 April 2009	Hobbs: 0350.7		Flight Hobbs: 0301.2
50 Hour Inspection completed this date using the Cirrus Maintenance Interval 50 Hour Inspection Form as a guide Cleaned and resealed fuel strainer. Inspected tires and brakes. Checked tire pressure. Cleaned windows and vacuumed interior. Ground run operational check of aircraft systems satisfactory.			
<i>L. John Wells</i>		L. John Wells A&P3221132	w/o 27848



MAINTENANCE RECORD F.A.R. 43.9

AIRCRAFT TIME
IN SERVICE

DESCRIPTION OF WORK PERFORMED
OR APPROVED DATA USED

AGENCY & CERTIFICATE NO.
WORK PERFORMED/RETURNED TO SERVICE

ARAPAHOE AERO

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

N770CT

Cirrus

SR22

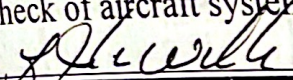
S/N: 2927

04 June 2009

Hobbs: 0397.7

Flight Hobbs: 0348.2

50 Hour Inspection completed this date using the Cirrus Maintenance Interval 50 Hour Inspection Form as a guide Cleaned and resealed fuel strainer. Inspected tires and brakes. Checked tire pressure. Removed Autopilot processor, P/N: 13560-002S, S/N: 0747-13019 due to intermittent "HDG" button operation. Installed repaired / exchange unit, S/N: 0531-8594. Aligned unit as required. Installed new aft tie clip to upper left main fairing. Purged left inboard wing TKS panel and serviced TKS reservoir as needed. Removed tape from disbanded section of lower right wing fairing. Cleaned affected area and applied 3M 94 primer. Applied new tape as needed. Cleaned windows and vacuumed interior. Ground run operational check of aircraft systems satisfactory.



L. John Wells A&P3221132

w/o 27980

ARAPAHOE AERO AVIONICS

12780 E. Control Tower Road K-6 Englewood, CO 80112 303-799-6289

N770CT Cirrus SR-22 sn: 2927

August 27, 2009

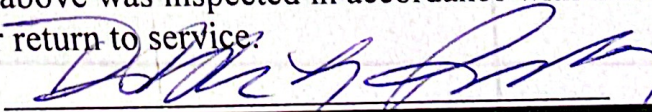
Hobbs: 487.3

Removed Avidyne PFD 700-00006-000 sn: 20060497. Installed Overhauled Exchange PFD sn: 20031196. See Avidyne WO #9006327 and 8130-3 issued May 27, 2009. New Altimeter 91.411 cert date May 27, 2009. Mag Cal performed at KAPA Compass Rose by Arapahoe Aero on 8-27, 2009.

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

FAA CRS ZL6R006Y

Signed:



AV-01747

MAINTENANCE RECORD F.A.R. 43.9

ARAPAHOE AERO

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

N770CT

Cirrus

SR22

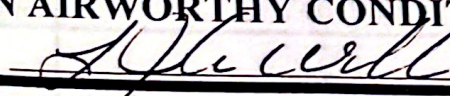
S/N: 22-2927

9 July 2009

Hobbs: 448.9

Flight Hobbs: 399.4

100 Hour Inspection completed this date using the Cirrus Maintenance Interval Inspection form and the Precise Flight Oxygen System Instruction for Continued Airworthiness as a guide. Artex ME406 ELT tested per FAR 91.207(d), no defects noted. **ELT battery due February 2013.** Adjusted cabin hot air valve tab hinges, no further sticking noted. Applied new left and right wing leading edge clear sealant as needed. Cleaned and primed affected areas and reinstalled right hand lower wing to fuselage fairing using new Cirrus double-sided tape. Inspected, cleaned, resealed, and safetied gascolator fuel filter and installed new drain valve P/N: 50242-001. Cleaned (+) cable terminal and installed new electric terminal boot. Serviced brake reservoir. Installed new left and right main gear brake linings P/N: 066-06200. Cleaned affected area and installed new left hand lower cowl heat reflective tape. Installed new left and right lower cowl aft seals P/N: 50700-063U. Installed new aft nose gear strut close-out seal P/N: 20665-003. Checked servicing of TKS reservoir. Serviced oxygen system and inspected for leakage, no defects noted. Washed and waxed aircraft exterior, cleaned windscreen and cabin windows and vacuumed seats and interior. Complied with **Cirrus Service Advisory No. SA 06-06 (MCU Corrosion Inspection)** by removing MCU cover and inspecting unit for corrosion as outlined in Service Advisory and applying MIL-C-81309 Type III Corrosion Inhibitor per the Cirrus Design Service Manual. Complied with **Cirrus Service Bulletin No. SB 2X-05-01 (Second Brake Temperature Indicator)** by installing new second brake temperature indicator (sticker) to the left and right main gear brake calipers as outlined in Service Bulletin. AD's checked through Biweekly 2009-15. **I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.**



L. John Wells A&P 3221132

w/o 28040

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MAINTENANCE RECORD

F.A.R. 43.9

ARAPAHOE AERO

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

N770CT

Cirrus

SR22

S/N: 2927

13 August 2009

Hobbs: 0477.9

Flight Hobbs: 0427.9

Removed autopilot processor, P/N: 13560-004S, S/N: 0531-8594, due to defective backlighting. Installed repaired / exchange unit, S/N: 0723-12393. Aligned autopilot as needed. Adjusted Flight Hobbs airspeed switch as needed. Operational check of aircraft systems satisfactory.

L. John Wells
L. John Wells A&P3221132

w/o 28222~~X~~

ARAPAHOE AERO

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

N770CT

Cirrus

SR22

S/N: 2927

27 August 2009

Hobbs: 0487.3

Flight Hobbs: 0435.3

Swung magnetometer for PFD after installation of exchange unit by Arapahoe Aero Avionics. Aligned autopilot. Adjusted all unit preset parameters. Removed obstruction from air bleed hole on left wing inboard TKS panel at outer corner. Pressure bled both inboard wing panels. Serviced TKS reservoir. Serviced oxygen as needed. Installed new nose tire service cover onto fairing.

L. John Wells
L. John Wells A&P3221132

w/o 28203

MAINTENANCE RECORD

F.A.R. 43.9

DATE OF
COMPL

ARAPAHOE AERO


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

N770CT Cirrus SR22 S/N: 22-2927 Airframe Total Time: 454.9

17 September 2009 Flight Hobbs: 454.9 Hobbs Meter: 570.2

100 Hour Inspection completed this date using the Cirrus SR22 Maintenance Interval Inspection Form and the Precise Flight Oxygen System Instruction for Continued Airworthiness as a guide. Inspected, cleaned, resealed, and safetied fuel strainer. Serviced and charged #1 aircraft battery. Complied with Cirrus Service Bulletin No. SB 2X-32-19 (Nose Landing Gear Upper Gusset Plate and Attach Point Arms Inspection) by inspecting the area around the fillet weld between the upper gusset plate and attach point arms as outlined in Service Bulletin, no defects noted. **Next inspection due Flight Hobbs: 554.9.**

Removed autopilot altitude transducer, P/N: 12722-001S, S/N: . Installed repaired / exchange unit, S/N: 0614-36057AA. Placed orifice in transducer line per Cirrus Aircraft. Inspected and repacked nose and main landing gear wheel bearings. Serviced brake reservoir. Inspected brake calipers and linings. Inspected nose and main landing gear tires and serviced to specified pressures. Checked main wheel pant screw torque. Installed new cabin air inlet duct firewall insulation kit P/N: 70194-001. Installed new lower aft cowling seals P/N: 50700-063U as needed. Checked servicing of oxygen system and inspected for leakage, no defects noted. Serviced TKS reservoir. Washed aircraft exterior, cleaned windscreen and cabin windows and vacuumed seats and interior. AD's checked through Biweekly 2009-19. **I CERTIFY THAT THIS PROPELLER HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 AND 200 HOUR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.**


Greg Sickafoose A&P 521652584

w/o 28387

MAINTENANCE RECORD

F.A.R. 43.9

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

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

N770CT Cirrus SR22 S/N: 22-2927 Airframe Total Time: 489.0

5 April 2010 Flight Hobbs: 489.0 Hobbs Meter: 567.0

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. Tested Artex ME406 ELT and remote arming switch per FAR 91.207(d), no defects noted. **ELT battery due February 2013.** Inspected auto pilot and tray connectors and reinstalled and firmly seated unit. Adjusted pilot's seat left hand recline lock to completely engage in full recline position. Installed new shim washers on top of pilot's and co-pilot's door lower rod-end bearings. Complied with **Cirrus Service Advisory No. SA 06-06 (MCU Corrosion Inspection)** by removing MCU cover and inspecting unit for corrosion as outlined in Service Advisory and applying MIL-C-81309 Type III Corrosion Inhibitor, no corrosion noted. Installed new cabin hot air mixing box P/N: 21823-003, sealed unit mounting bolts and adjusted controls for proper travel. Tightened left aileron pivot bolt and installed new safety. Installed new right wing aft navigation light lamp. Installed new fuel tank quantity dial indicator Kit No. 70228-001 and calibrated left and right wing fuel tanks, operational check good. Inspected, cleaned, resealed, and safetied fuel strainer. Serviced and charged #1) aircraft battery. Installed new #2) aircraft batteries P/N: 50979-001. **Next #2) battery replacement due April 2012 or Flight Hobbs: 989.0.** Complied with **Cirrus Service Bulletin No. SB 2X-32-19 R1 (Nose Landing Gear Upper Gusset Plate and Forward Weld Inspection)** by inspecting the nose landing gear assembly cross tube welds and gusset plates for cracks as outlined in Service Bulletin. **Next nose landing gear inspection due Hobbs Meter: 589.0.** Installed new nose gear fork thrust washer P/N: 50545-001, set side tension and installed new safety. Installed (2) new nose gear bushings P/N: NAS77-10-013 using (2) new mounting bolts. Installed new left and right main gear tires P/N: 156E66-4. Serviced tires to specified pressure and balanced wheel assemblies. Installed new left main wheel grease seal retainer P/N: 153-00400. Repaired upper right hand wheel fairing using composite type repair. Serviced brake reservoir.

MAINTENANCE RECORD

F.A.R. 43.9

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


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

N770CT Cirrus SR22 S/N: 22-2927 Airframe Total Time: 489.0

5 April 2010 Flight Hobbs: 489.0 Hobbs Meter: 567.0

(Page 2)

Serviced oxygen system and inspected for leakage, no defects noted. Performed AmSafe post installation seat check, no defects noted. Cirrus AD 2009-26-01 (Anti-Ice Fluid Line Separation) effective 12-21-2009, does not apply by Aircraft Serial Number, no further action required. AD's checked through Biweekly 2010-07. Cleaned aircraft exterior, cleaned windscreen and cabin windows and vacuumed seats and interior. **I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.**


Scott S. Fisher A&P 3290363 IA w/o 29055

MAINTENANCE RECORD

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386
N770CT Cirrus SR22 S/N: 22-2927 Airframe Total Time: 494.1

8 April 2011 Flight Hobbs: 494.1 Hobbs Meter: 576.6

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. Tested Artex ME406 ELT per FAR 91.207(d), no defects noted, Beacon Test Report No. BT100AV triple/3195/770CT-1 on file. **ELT battery due February 2013.** Installed new grommets for VOR antennas. Inspected, cleaned, resealed, and leak checked fuel strainer. Serviced and charged #1) aircraft battery. Installed new right main tire P/N: 156E66-4 and tube P/N: 097-500-0. Serviced tire to specified pressure and balance wheel assembly. Cleaned, inspected and repacked all wheel bearings using Mobile SHC 100 grease and installed new felt grease seals in all wheel assemblies. Cleaned, inspected and resealed right main wheel brake caliper. Installed new brake temperature placard "stickers", bled brake system and serviced brake reservoir, brake operational check good. Installed and secured Precise Flight oxygen line extension kit. Kit installed as a minor alteration. Inspected oxygen system for component condition and security per Precise Flight Oxygen System (ICA), no defects noted. Performed AmSafe post installation seat check, no defects noted. **Complied with Cirrus SA 06-06 (MCU Corrosion Inspection)** by inspecting unit for corrosion and applying MIL-C-81309 Type III Corrosion Inhibitor per the Cirrus AMM, no corrosion noted. **Complied with Cirrus SB 2X-24-09 (Electrical Load Distribution-TVS Fuse)** by installing fuse holder, fuse and wiring circuit per Service Bulletin. **Complied with Cirrus SB 2X-30-07 R3 (porous panel vent inspection)** by functional check and inspection, no defects noted. AD's checked through Biweekly 2011-07. **Complied with Cirrus SB 2X-32-19 R2 (Nose Landing Gear Upper Gusset Plate and Forward Weld Inspection)** by inspecting the nose landing gear assembly cross tube welds and gusset plates for cracks as outlined in Service Bulletin. No defects noted. Installed bolt through nose gear forward weldment as provided in Cirrus Kit P/N: 70238-00, no further forward weld inspection required. **Next upper gusset plate inspection due at Flight Hobbs: 594.1.** Cleaned aircraft exterior, cleaned windscreen and cabin windows and vacuumed seats and interior. AD's checked through Biweekly 2011-07. 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 AN AIRWORTHY CONDITION.**


L. John Wells A&P 3221132 IA

w/o 30352

INSPECTION RECORD

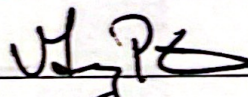
F.A.R. 43.11-91.409

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

DATE	AIRCRAFT TIME IN SERVICE
26 Jan 2008	5.3 hrs

Production Flight Test accomplished in accordance with Cirrus Procedure #90502.

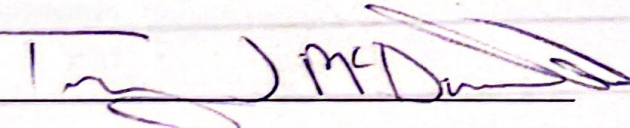
Name: Greg Peterson Date 26 Jan 2008

Signature: 

Title: Production Flight Test Pilot

30 JAN 08

I find that the aircraft meets the requirements for the certification requested and have issued an U.S. Standard Airworthiness Certificate dated JAN 130 / 2008.
The next inspection is due JAN 131 / 2009.



Troy J. McDonald
ODARF-405228-CE

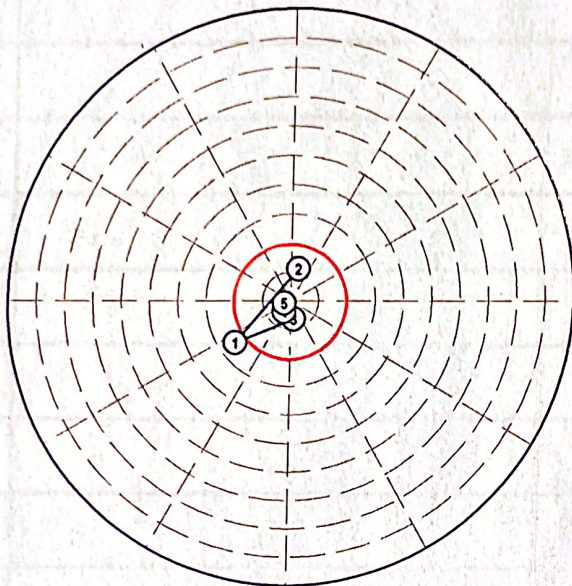
INSPECTION RECORD

F.A.R. 43.11-91.409

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

ENG/PROP DYNAMICALLY BALANCED

----- POLAR PLOT - 1.0 IN/S FS -----



Operator Comments

Performed a dynamic propeller balance IAW FAA APPROVED Hartzell Service Instruction #148 and Chadwick Heimuth document A/W #511-2 dated 12 June 1990 using OSS Microvib II equipment and application note AN-MV2 Prop Rev. 00 1 July 2003. Initial IPS of .243 @ 2558 rpm reduced to .025 IPS @ 2557 rpm by installing AN hardware balance weight on spinner rear bulkhead.
 Jim Barker A&P 2755069 Aviation Resources 101 Airport Ave Hangar 7 Cumberland, WI 54829
 Hangar: 715 822 5787 Cell: 715 491 1303 Email: jim@aviationvibes.com www.aviationvibes.com

N770CT Cirrus SR22 G3 TN 2927 507.3 Hrs

Cont/Hart 691499

Front

MicroVib II SN:1177 Cal:10/27/2010

Initial: 0.243 IN/S @ 2558.1 RPM Final: 0.025 IN/S @ 2556.6 RPM

Oper: _____

Date:08/14/2011

Jim Barker A&P 2755069

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
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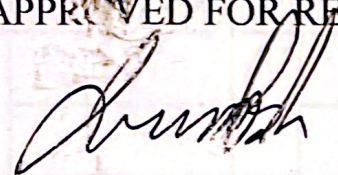
October 17th 2011

N770CT Cirrus Design SR 22G3 TN S/N 2927
Continental IO 550 N S/N 691499
Hartzell PHC-J3Y1F-1N

HOBBS 515.0 Hrs Flight 604.3 Hrs
HOBBS 515.0 Hrs Flight 604.3 Hrs
HOBBS 515.0 Hrs Flight 604.3 Hrs

Removed cowling, adjusted fit of heat shields on left exhaust manifold to allow clearance at aft section to engine mount. Lubricated all slip joints with mouse milk. Sealed several airleaks with silicone. Cleaned tail pipe breather of build up. Installed cowling. Checked nose wheel bearing tension and caster tension, found satisfactory. Downloaded engine data and reviewed, found satisfactory.

THIS AIRCRAFT, ENGINE, PROPELLER COMBINATION WAS INSPECTED AND/ OR WAS REPAIRED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA AND IS APPROVED FOR RETURN TO SERVICE.



JIM BARKER A&P 2755069
www.aviationvibes.com
(715) 491 1303

AVIATION RESOURCES, LLC
101 Airport Ave Hangar 7
Cumberland, WI 54829

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
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ARAPAHOE AERO

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

N770CT Cirrus SR22 S/N: 22-2927 Airframe Total Time: 526.0

10 May 2012 Flight Hobbs: 526.0 Hobbs Meter: 618.2

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.

Tested Artex ME406 ELT per FAR 91.207(d), no defects noted, Beacon Test Report No. BT100AV triple/3195/N770CT2012-1, dated 04-24-2012. **ELT battery due February 2013.** Performed "Data Logger" functional inspection, L.E.D. annunciator light indicated no defects. Performed Transient Voltage Suppressor Inspection by inspecting for heat sink damage and checking continuity of installed fuses, no defects noted. Complied with Cirrus (SB) No. 2X-21-05 (Temperature Control-Cabin Air Coupler Actuator Rigging) by adjusting the position of control rod at cabin heater control and control cable at heat box for full travel per Service Bulletin, operational check good. Cleaned affected areas and resealed left wing to fuselage fairing using RTV sealant. Complied with Cirrus (SB) No. 2X-27-16 R1 (Flap Actuator Modification) by replacing actuator rod-end fitting on actuator shaft and installing new collar as provided in Kit No. P/N: 70255-002, readjusting flap proximity sensor and verifying flap settings and operation per Service Bulletin Instructions, no further action required. Affixed co-pilot's cabin door seal as needed. Performed left and right fuel cap resistance check, no defects noted, all readings within limits. Inspected, cleaned, resealed, and leak checked fuel strainer. Serviced and charged #1) aircraft battery. Installed (2) new #2) aircraft batteries P/N: 50979-001. **Next battery replacement due May 2014 or Flight Hobbs: 1026.0.** Complied with Cirrus (SB) No. SB 2X-32-19 R2 (Nose Landing Gear Upper Gusset Plate Inspection) by inspecting the nose landing gear assembly cross tube welds and gusset plates for cracks as outlined in Service Bulletin, no defects noted. **Next upper gusset plate inspection due at Flight Hobbs: 626.0.** Inspected nose gear fork and checked side tension, no defects noted. Cleaned, inspected, resealed, and reinstalled pilot's left brake master cylinder. Cleaned, inspected, resealed, and reinstalled right main wheel brake caliper. Installed new brake temperature placard "stickers", bled brake system and serviced reservoir, brake operational check good. Performed AmSafe post installation seat check, no defects noted.

INSPECTION RECORD

F.A.R. 43.11-91.409

KIND OF INSPECTION-STATUS & DISCREPANCY LIST

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

DATE

AIRCRAFT TIME
IN SERVICE

ARAPAHOE AERO

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

N770CT

Cirrus

SR22

S/N: 22-2927

Airframe Total Time: 526.0

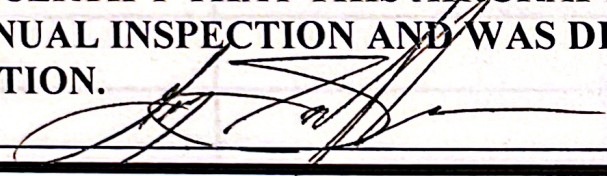
10 May 2012

Flight Hobbs: 526.0

Hobbs Meter: 618.2

(Continued) (Page 2)

Inspected CAPS system for component condition and security and affixed CAPS lever cover using new Velcro strip. Inspected oxygen system per Precise Flight (ICA) and verified operation of oxygen switch, no defects noted. Complied with Cirrus (SA) No. SA 06-06 (MCU Corrosion Inspection) by inspecting unit for corrosion and applying MIL-C-81309 Type III Corrosion Inhibitor per the Cirrus AMM, no corrosion noted. Next corrosion inspection due May 2013 or Flight Hobbs: 626.0. Inspected and weighed cabin fire extinguisher, no defects noted. Cirrus (SB) No. SB 2X-74-01 (Champion RHB32S Spark Plugs) does not apply, Champion RHB32E spark plugs are installed, no further action required. AD's checked through Biweekly 2012-09. Cleaned aircraft exterior, cleaned windscreen and cabin windows and vacuumed seats and interior. Post inspection ground run-up and systems operational check good. **I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.**


Greg Sickafoose A&P 3443687 IA

w/o 31811

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
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ARAPAHOE AERO

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

N770CT Cirrus SR22 S/N: 22-2927 Airframe Total Time: 562.7

1 June 2013 Flight Hobbs: 562.7 Hobbs Meter: 661.7

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. Installed new ELT battery P/N: 455-0012 and tested Artex ME406 ELT per FAR 91.207(d), no defects noted, Beacon Test Report No. BT100AV triple/3195/N770CT-1, dated 08-28-2014. **ELT battery due June 2020.** Performed "Data Logger" functional inspection, L.E.D. annunciator light indicated no defects. Performed Transient Voltage Suppressor Inspection by inspecting for heat sink damage and checking continuity of installed fuses, no defects noted. Inspected and lubricated pilot's and co-pilot's cabin doors and latches. Cleaned affected areas and affixed belly mounted exhaust heat shields as needed. Cleaned and primed affected areas and reinstalled right wing upper wing to fuselage fairing using RTV sealant. Complied with Cirrus (SB) No. SB 2X-28-11 R1 (Fuel Line Replacement) by removing existing fuel return line and installing new anodized fuel return line as outlined in Service Bulletin. Checked new fuel line installation for system leakage, no defects noted and no further action required. Performed left and right fuel cap resistance check, no defects noted and all readings within limits. Inspected, cleaned, resealed, and leak checked fuel strainer. Serviced and charged #1) aircraft battery. Complied with Cirrus (SB) No. SB 2X-32-19 R3 (Nose Landing Gear Upper Gusset Plate Inspection) by inspecting the nose landing gear assembly cross tube welds and gusset plates for cracks as outlined in Service Bulletin, no defects noted. Next upper gusset plate inspection due at Flight Hobbs: 662.7. Inspected nose gear fork for condition and security and checked side tension, no defects noted. Complied with Cirrus (SB) No. SB 2X-57-13 R2 (Lower Landing Gear Attach Bracket) by retorquing the left and right main gear lower landing gear attach bracket bolts per Service Bulletin, no further action required. Serviced brake reservoir. Performed AmSafe post installation seat check, no defects noted. Inspected CAPS system for component condition and security

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

12760 EAST CONTRO
N770CT Cirrus
1 June 2013 Flight Ho

Reinstalled oxygen cylinder
Inc, W/O# 6065, dated 05-29
Serviced oxygen cylinder an
Precise Flight (ICA) and ver
(SA) No. SA 06-06 (MCU C
81309 Type III Corrosion In
due June 2014 or Flight Ho
performed 12 month cabin fi
grams. Inspected and wiped
and installed new cowl seal
installation hardware as need
cleaned windscreen and cabi
and systems operational chec
IN ACCORDANCE WITH
AIRWORTHY CONDITION.

SERVICEABLE PART

Item Description	Oxygen Cylinder Assy	
P/N	26N2003-3	S/N 6268-1155
Hydrostatic Test		

MAINTENANCE RELEASE

The appliance identified was repaired and inspected in accordance with current instructions contained in 49CFR 180.205 and the Federal Aviation Regulations and is approved for return to service as per those requirements. Pertinent details of maintenance are on file under

W/O # 6065

Date 5/29/13

Signature Philip W Seibel
A&P 3678653

575 Burbank St., Unit A
Phone 303-439-0433

AERO CARE, INC.

Broomfield, Colorado 80020
Fax 303-438-0438

Greg Sickafoose A&P 3443687 IA

w/o 33159

INSPECTION RECORD

F.A.R. 43.11-91.409

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

DATE

AIRCRAFT TIME
IN SERVICE

ARAPAHOE AERO

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

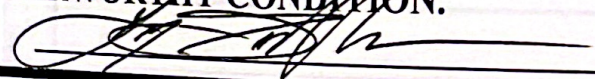
N770CT Cirrus SR22 S/N: 22-2927 Airframe Total Time: 562.7

1 June 2013 Flight Hobbs: 562.7 Hobbs Meter: 661.7

(Continued) (Page 2)

Reinstalled oxygen cylinder P/N: 26N2003-3, S/N: 6268-1155 following hydro- static test by Aero Care, Inc, W/O# 6065, dated 05-29-2013. **Next hydrostatic test due May 2018.**

Serviced oxygen cylinder and checked for system leakage, no defects noted. Inspected oxygen system per Precise Flight (ICA) and verified operation of oxygen switch, no defects noted. Complied with Cirrus (SA) No. SA 06-06 (MCU Corrosion Inspection) by inspecting unit for corrosion and applying MIL-C-81309 Type III Corrosion Inhibitor per the Cirrus AMM, no corrosion noted. **Next corrosion inspection due June 2014 or Flight Hobbs: 662.7.** Inspected cabin fire extinguisher for condition and security and performed 12 month cabin fire extinguisher weight check, no further defects noted, bottle weight 519.6 grams. Inspected and wiped down engine cowling. Cleaned affected areas on left and right lower cowls and installed new cowl seal P/N: 53338-063U as needed. Installed new inspection panel and component installation hardware as needed. AD's checked through Biweekly 2013-11. Cleaned aircraft exterior, cleaned windscreen and cabin windows and vacuumed seats and interior. Post inspection ground run-up and systems operational check good. **I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.**



Greg Sickafoose A&P 3443687 IA w/o 33159

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
07-02-2013	563.1	1- Replaced Battery 1 with new Concord e PG 29-11 M PK Taylor A&P 528291127

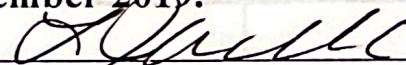
ARAPAHOE AERO

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

N770CT Cirrus SR22G3 S/N: 22-2927 Airframe Log Entry

27 June 2014 Flight Hobbs: 591.4 Hobbs Meter: 697.0

Installed new Reefing Line Cutters, S/N's: 5262 and 5312, as included in kit P/N: 25347-002 using Cirrus AAM as a guide. Kit date of manufacture September 2013. Next Reefing Line Cutter replacement due September 2019.

 L. John Wells A&P 3221132 w/o 33770

ARAPAHOE AERO

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

N770CT Cirrus SR22 S/N: 22-2927 Airframe Total Time: 591.7

24 July 2014 Flight Hobbs: 591.7 Hobbs Meter: 697.8

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. Tested Artex ME406 ELT per FAR 91.207(d), no defects noted. ELT battery due June 2020. Removed EMA controller S/N: 07NOV07-97 and installed overhauled /exchange unit P/N: 508358-421, S/N: RA20JUN14-3, rebuilt by AMSAFE, Inc, Certificate No. PQ1967NM, W/O# 79767-1, dated 06-23-2014. Next EMA controller replacement due June 2021. Performed "Data Logger" functional inspection, L.E.D. annunciator light indicated no defects. Performed Transient Voltage Suppressor Inspection by inspecting for heat sink damage and checking continuity of installed fuses, no defects noted. Inspected and lubricated pilot's and co-pilot's cabin doors and latches. Inspected roll trim motor assembly for condition and security and correctly reinstalled cover.

(Page 1) (Continued)

ARAPAHOE AERO

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

N770CT

Cirrus

SR22

S/N: 22-2927

Airframe Total Time: 591.7

DATE

24 July 2014

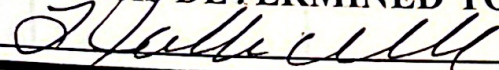
Flight Hobbs: 591.7

Hobbs Meter: 697.8

(Continued)

(Page 2)

Performed left and right fuel cap resistance check, no defects noted and all readings within limits. Inspected, cleaned, resealed, and leak checked fuel strainer. Serviced and charged #1 aircraft battery. Installed (2) new #2 aircraft batteries P/N: 50979-001. **Next battery replacement due July 2016 or Flight Hobbs: 1091.7.** Inspected nose gear fork for condition and security and checked side tension, no defects noted. Cleaned, inspected, resealed, and reinstalled right main wheel brake caliper. Installed new brake caliper temperature placard "stickers", bled brake system and serviced reservoir, brake operational check satisfactory. Performed AmSafe post installation seat check, no defects noted. Inspected CAPS system for component condition and security Inspected oxygen system per Precise Flight (ICA) and verified operation of oxygen switch, no defects noted. Checked oxygen cylinder service pressure. Inspected cabin fire extinguisher for condition and security and performed 12 month cabin fire extinguisher weight check. Bottle weight 517.1 grams. Inspected and wiped down engine cowling. Complied with Cirrus (SA) No. SA 06-06 (MCU Corrosion Inspection) by inspecting unit for corrosion and applying MIL-C-81309 Type III Corrosion Inhibitor per the Cirrus AMM, no corrosion noted. **Next corrosion inspection due July 2015 or Flight Hobbs: 691.7.** Complied with Cirrus (SA) No. SA 13-05 (Elevator Hine Pin Inspection) by inspecting elevator hinges for condition and security and hinge pins for proper torque and safety per Service Advisory, no defects noted and no further action required. **Complied with Cirrus SB2X-28-11R3 (Fuel Line Replacement)** by cleaning and resealing of the glycol bay and fittings and installing new anodized fuel return line as outlined in Service Bulletin. Inspected new fuel line installation for system leakage, no defects noted and no further action required. **Complied with Cirrus SB 2X-32-19 R3 (Nose Landing Gear Upper Gusset Plate Inspection)** by inspecting the nose landing gear assembly cross tube welds and gusset plates for cracks as outlined in Service Bulletin, no defects noted. **Next upper gusset plate inspection due at Flight Hobbs: 691.7.** AD's checked through Biweekly 2014-14. Cleaned aircraft exterior, cleaned windscreen and cabin windows and vacuumed seats and interior. Post inspection ground run-up and systems operational check good. **I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.**



L. John Wells A&P 3221132 IA

w/o 34546

DATE

AIRCRAFT TIME
IN SERVICE

ARAPAHOE AERO AVIONICS

12780 E. Control Tower Road K6 Englewood, CO 80112 303-799-6289

October 23, 2014

N770CT Cirrus SR-22 sn: 2927

Hobbs: 707.1

Avidyne ACR 132 700-00110-000 sn: M101399261 (MFD)

RMA # 9025922 and # 9025925

Units returned to Avidyne for Upgrade.

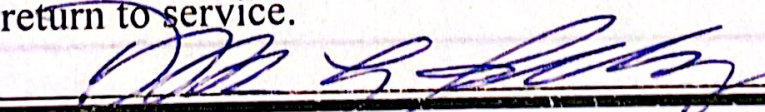
Avidyne modified units to part number 700-00110-001. See their Certificate of Conformance issued October 20, 2014. ACR 132 Blades reinstalled in respective units and **Software Revision 9.3 per Avidyne Service Bulletin No. 601-00083-039 Rev. 01** dated September 22, 2014 was completed.

Post installation checkout procedure as described in the Entegra Integrated Flight Display System Maintenance Manual 600-00160-000 Rev. 14 was completed.

System configuration was completed using Avidyne Configuration Tool 570-00117-005.

Configured as follows: Cirrus SR-22 Turbo G3, PMA-8000B(T), Garmin Transponder (other), MLB-700, WX-500 Top Antenna, NO TAWS, Skywatch Traffic, NO ADF, NO DME, DFC-100 Release 2, Pitch/PitchTrim/RollTrim, AHRS -2. The KGP-560 has been disabled by removing power to the unit. Wire on Circuit breaker was removed and capped/labeled and stowed. TAWS Disabled sticker placed on pilots side Instrument panel next to TAWS switches. Aircraft's Pitot and Static systems have been tested per FAR Part 43 Appendix E.

The aircraft and/or component identified above was inspected in accordance with current Federal Aviation Regulations and is approved for return to service.

CRS ZL6R006Y Signed: 

AV-03262

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

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

DATE

AIRCRAFT TIME
IN SERVICE

ARAPAHOE AERO AVIONICS

12780 E. Control Tower Road K6 Englewood, CO 80112 303-799-6289

N770CT Cirrus SR-22 sn: 2927

October 23, 2014

Hobbs: 707.1

ACD215 Keyboard 700-00150-002 sn: M110431235 Rev 00

Returned unit to Avidyne for evaluation/repair. RMA 9025924

Avidyne modified Keyboard and returned to service per their WO # 9025924. See their 8130-3 issued October 21, 2014. Reinstalled Keyboard and adjusted Contrast setting for optimum viewing with the Instrument Light Rheosta

The aircraft and/or component identified above was inspected in accordance with current Federal Aviation Regulations and is approved for return to service.

CRS ZL6R006Y Signed: _____

AV-03262

ARAPAHOE AERO AVIONICS

12780 E. Control Tower Road K6 Englewood, CO 80112 303-799-6289

N770CT Cirrus SR-22 sn: 2927

July 27, 2015

Hobbs: 726.8

Avidyne R9 System Software has been upgraded to Version 9.3.1 per Avidyne Service Bulletin No.601-00083-039 dated February 24, 2015. R9 Pilot Guide has been supplied by Avidyne (600-00190-000 Rev. 05) and placed in the aircraft.

The aircraft and/or component identified above was inspected in accordance with current Federal Aviation Regulations and is approved for return to service.

CRS ZL6R006Y Signed: _____

AV-03451

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
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ARAPAHOE AERO AVIONICS

12780 E Control Tower Road Englewood, CO 80112 303.799.6289

N770CT Cirrus SR-22 sn: 2927

August 4, 2015

Hobbs: 726.8

Avidyne IFD 5000i 700-00083-000 sn: M110330488 (#1) Altimeter failed initial test. AHR-310 710-00107-000 sn: M101198031 has been removed and Overhauled Exchange AHR-310 sn: 0911A41482 has been installed in the No. 1 IFD5000.

Avidyne IFD 5000i 700-00083-000 sn: M110330488 and sn: M110330451 (#2) Altimeters have been tested and inspected per FAR 91.411 Part 43 Appendix E to 25K' by Arapahoe Aero Avionics on our WO# AV-03451 dated August 4, 2015. See our 8130-3 issued this date. (Standby Altimeter expires July 2016). Encoder tested within tolerances. Aircraft's Pitot and Static systems have been tested per FAR Part 43 Appendix E.

The aircraft and/or component identified above has 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-03451

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

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386
N770CT Cirrus SR22 S/N: 22-2927 Airframe Total Time: 614.2

5 August 2015 Flight Hobbs: 614.2 Hobbs Meter: 726.8

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. Installed new ELT remoted arming switch battery P/N: PX28LB. Tested Artex ME406 ELT per FAR 91.207(d) using WS Technologies beacon measurement equipment, no defects noted, Beacon Test Report No. BT100AVtriple/3195/N770CT-7-30-15, dated 07-30-2015 on file. **ELT remote switch battery due August 2019 and ELT battery due June 2020.** Performed Transient Voltage Suppressor Inspection by inspecting for heat sink damage and checking continuity of installed fuses, no defects noted. Performed AmSafe post installation seat check, no defects noted. Repositioned and secured rear window upholstery trim as needed. Inspected and lubricated pilot's and co-pilot's cabin doors and latches. Cleaned and primed affected areas and affixed right wing lower wing to fuselage fairing using new Cirrus double sided tape P/N: 51847-045U. Performed left and right fuel cap resistance check, no defects noted and all readings within limits. Straightened left fuel tank filler port tab. Inspected, cleaned, resealed, and leak checked fuel strainer. Serviced and charged aircraft primary battery. Inspected #2 aircraft batteries for condition and security, static voltage 22.7 volts. Inspected nose gear shock pucks for condition and security and applied heavy duty aerosol silicone. Inspected nose gear fork for condition and security and checked side tension, no defects noted. Inspected left and right main wheel brake disks, calipers, and linings for condition and security. Installed new right main wheel brake caliper linings P/N: 066-06200. Serviced brake fluid in reservoir. Inspected nose and main wheel fairings for condition and security. Repaired nose wheel fairing lower left crack using composite type repair. Inspected oxygen system per Precise Flight (ICA). Checked oxygen cylinder service pressure. Inspected flight surface TKS panels and system for components condition and security. Checked service levels in TKS reservoirs. Inspected CAPS system for component condition and security, no defects noted.

(Page 1)

(Continued)

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
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ARAPAHOE AERO

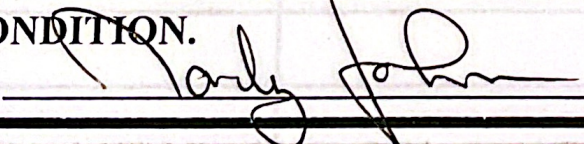
12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N770CT Cirrus SR22 S/N: 22-2927 Airframe Total Time: 614.2

5 August 2015 Flight Hobbs: 614.2 Hobbs Meter: 726.8

(Continued) (Page 2)

Inspected cabin fire extinguisher for condition and security and performed 12 month cabin fire extinguisher weight check, no further defects noted, bottle weight 502.3 grams. Inspected and wiped down engine cowling. Complied with Cirrus (SA) No. SA 06-06 (MCU Corrosion Inspection) by inspecting unit for corrosion and applying MIL-C-81309 Type III Corrosion Inhibitor per the Cirrus AMM, no corrosion noted. Next corrosion inspection due August 2016 or Flight Hobbs: 714.2. Complied with Cirrus SA15-03 / H3R Aviation SB 2015-01 (Halon Fire Bottle Enhanced Inspection Procedure) by inspecting and weighing portable fire extinguisher and installing "Weigh this unit before each flight" placard sticker per Service Bulletin. Complied with Cirrus (SB) No. SB 2X-28-12 (Electric Fuel Pump Inspection) by visual inspection and leak check of fuel pump per Service Bulletin, no defects noted. Complied with Cirrus (SB) No. SB 2X-32-19 R3 (Nose Landing Gear Upper Gusset Plate Inspection) by inspecting the nose landing gear assembly cross tube welds and gusset plates for cracks as outlined in Service Bulletin, no defects noted. Next upper gusset plate inspection due at Flight Hobbs: 714.2. AD's checked through Biweekly 2015-15. Cleaned aircraft exterior, cleaned windscreen and cabin windows and vacuumed seats and interior. Post inspection ground run-up and systems operational check good. **I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.**



Randy Johnson A&P 3123186 IA w/o 35829

F.A.R. 43.11-91.409

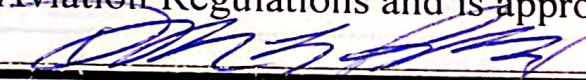
ARAPAHOE AERO AVIONICS

12780 E Control Tower Road Englewood, CO 80112 303.799.6289
N770CT Cirrus SR-22 sn: 2927
Hobbs: 743.8

August 15, 2016

Avidyne IFD 5000i 700-00083-000 sn: M110330488 and sn: M110330451 (#2) Altimeters have been tested and inspected per FAR 91.411 Part 43 Appendix E to 25K' by Arapahoe Aero Avionics on our WO# AV-03686 dated August 12, 2016. See our 8130-3 issued this date. United Instruments Altimeter 5934PAD-3 sn: 473456 has been repaired, tested and inspected per FAR 91.411 Part 43 Appendix E to 35K' by Centennial Instruments Inc. on their WO # 10350 dated August 15, 2016.

Aircraft's Pitot and Static systems have been tested per FAR Part 43 Appendix E. The aircraft and/or component identified above has 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-03686

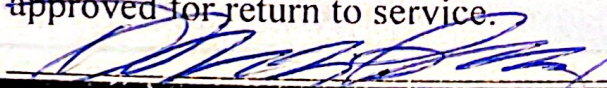
ARAPAHOE AERO AVIONICS

12780 E. Control Tower Road K6 Englewood CO 80112 303-799-6289
N770CT Cirrus SR-22 sn: 2927
Hobbs: 743.8

August 15, 2016

The ATC Transponder test and inspection required by FAR 91.413 has been complied with this date: August 15, 2016 on Garmin GTX-327 sn: 83730881 and found to comply with FAR Part 43 Appendix F. Details of this test and inspection are on file at this Repair Station on our WO # AV-03686.

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

CRS-ZL6R006Y Signed:  AV-03686

ARAPAHOE AERO AVIONICS

12780 E. Control Tower Road K6 Englewood, CO 80112 303-799-6289

N770CT Cirrus SR-22 sn: 2927

August 15, 2016

Hobbs: 743.8

Avidyne IFD 5000 700-00083-000 sn: M110330488 (#1) M110330451 (#2)

Avidyne R9 System Software has been upgraded to Version 9.3.3 per Avidyne Service Bulletin No.601-06083-044 dated December 7, 2015. New FAA Approved Flight Manual Supplement 600-00712-002 Rev 01 dated January 26, 2015 has been added to POH. System reconfigured for KGP560.

The aircraft and/or component identified above was inspected in accordance with current Federal Aviation Regulations and is approved for return to service.

CRS ZL6R006Y Signed: 

AV-03686

ARAPAHOE AERO

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

N770CT Cirrus SR22 S/N: 22-2927 Airframe Total Time: 627.4

16 August 2016 Flight Hobbs: 627.4 Hobbs Meter: 743.8100 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. Tested Artex ME406 ELT per FAR 91.207(d) using WS Technologies beacon measurement equipment, no defects noted, Beacon Test Report No. BT100AVtriple/3195/N770CT-8-16-16, dated 16 August 2016 on file. ELT battery due June 2020.

Performed Transient Voltage Suppressor Inspection by checking continuity of installed fuses, no defects noted. Performed AmSafe post installation seat check, no defects noted. Inspected and lubricated pilot's and co-pilot's cabin doors and latches. Straightened lower latch fork on right door. Performed left and right fuel cap resistance check, no defects noted and all readings within limits. Inspected, cleaned, resealed, and leak checked fuel strainer. Serviced and charged aircraft primary battery. Installed (2) new #2 batteries P/N: 50979-001, static voltage 24.2 volts. Next #2 battery replacement due August 2018 or Flight Hobbs: 1127.4. Inspected nose gear shock pucks for condition and security. Inspected nose gear fork for condition and security and checked side tension, no defects noted. Inspected left and right main wheel brake disks, calipers, and linings for condition and security. Serviced brake fluid in reservoir. Inspected nose and main wheel fairings for condition and security. Secured a section of right fuselage to wing fairing. Repaired elongated axle bolt hole in right wheel pant. Inspected oxygen system per Precise Flight (ICA). Checked oxygen cylinder service pressure.

INSPECTION RECORD

F.A.R. 43.11-91.409

ARAPAHOE AERO

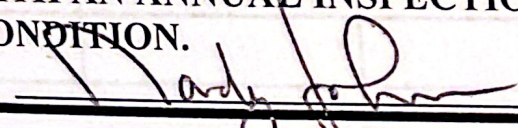
12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N770CT Cirrus SR22 S/N: 22-2927 Airframe Total Time: 627.4

16 August 2016 Flight Hobbs: 627.4 Hobbs Meter: 743.8

(Continued) (Page 2)

Inspected flight surface TKS panels and system for components condition and security. Removed corrosion from inside TKS cap and lubricated key hole with graphite. Checked service levels in TKS reservoir. Safety wired propeller de-ice tube nuts. Installed new fuel strainer quick drain P/N: 50242-001. Applied Mylar tape to right flap leading edge. Inspected CAPS system for component condition and security, no defects noted. Inspected cabin fire extinguisher for condition and security and performed 12 month cabin fire extinguisher weight check, no further defects noted, bottle weight 515.9 grams. Inspected and wiped down engine cowling. Complied with Cirrus SA 06-06 (MCU Corrosion Inspection) by inspecting unit for corrosion and applying MIL-C-81309 Type III Corrosion Inhibitor per the Cirrus AMM, no corrosion noted. Next corrosion inspection due August 2017 or Flight Hobbs: 727.4. Complied with Cirrus SB 2X-28-12 (Electric Fuel Pump Inspection) by visual inspection and leak check of fuel pump per Service Bulletin, no defects noted. Complied with Cirrus SB 2X-32-19 R3 (Nose Landing Gear Upper Gusset Plate Inspection) by inspecting the nose landing gear assembly cross tube welds and gusset plates for cracks as outlined in Service Bulletin, no defects noted. Next upper gusset plate inspection due at Flight Hobbs: 727.4. Complied with Cirrus SB 2X-52-08 R2 (Cabin Door Struts) by installing new door struts and catcher diverter's as included in kit P/N: 70544-001 and outlined in Service Bulletin, no further action required. AD's checked through Biweekly 2016-17. Cleaned aircraft exterior, cleaned windscreen and cabin windows and vacuumed seats and interior. Post inspection ground run-up and systems operational check good. **I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.**


Randy Johnson A&P 3123186 IA w/o 37061

ARAPAHOE AERO

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

N770CT

Cirrus

SR22

S/N: 22-2927

Airframe Total Time: 0638.9

12 October 2017 Flight Hobbs: 0638.9 Hobbs Meter: 0758.8

DATE

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. Tested Artex ME406 ELT per FAR 91.207(d) using WS Technologies beacon measurement equipment, no defects noted, Beacon Test Report No. BT100AVtriple/3195/N770CT-10-9-17-1, dated 10-09-2017 on file. **ELT battery due June 2020.** Performed AmSafe post installation seat check, no defects noted. Inspected and lubricated pilot's and co-pilot's cabin doors and latches. Performed left and right fuel cap resistance check, no defects noted and all readings within limits. Inspected, cleaned, resealed, and leak checked fuel strainer. Placed into service and charged new Gill G-243 battery S/N: G02972418. Inspected nose gear fork for condition and security and checked side tension, no defects noted. Inspected left and right main wheel brake disks, calipers, and linings for condition and security. Cleaned, inspected, resealed, and reinstalled left and right main wheel brake calipers. Installed new brake caliper temperature placard "stickers". Cleaned fluid from firewall and tightened B-nuts to brake reservoir. Inspected nose and main wheel fairings for condition and security. Inspected oxygen system per Precise Flight (ICA). Serviced oxygen. Inspected flight surface TKS panels and system for components condition and security. RDM Status LED shows failed condition. Fabricated and installed "ADL SYSTEM INOPERATIVE" placard adjacent to LED per Cirrus AMM 31-30 para G(1)(e)(2). Inspected CAPS system for component condition and security, no defects noted. Inspected cabin fire extinguisher for condition and security and performed 30 days cabin fire extinguisher weight check, no further defects noted, bottle weight 514.9 grams. Inspected and wiped down engine cowling. Complied with Cirrus SA 06-06 (MCU Corrosion Inspection) by inspecting unit for corrosion and applying MIL-C-81309 Type III Corrosion Inhibitor per the Cirrus AMM, no corrosion noted. Next corrosion inspection due October 2018. Complied with Cirrus SB 2X-32-19 R3 (Nose Landing Gear Upper Gusset Plate Inspection) by inspecting the nose landing gear assembly upper gusset plates for cracks as outlined in Service Bulletin. One crack noted in left side of upper gusset plate, within acceptable limits, no corrective action required. . Next upper gusset plate inspection due at Flight Hobbs: 0738.9. AD's checked through Biweekly 2017-20. Cleaned aircraft exterior, cleaned windscreen and cabin windows and vacuumed seats and interior. Post inspection ground run-up and systems operational check good. I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.

L. John Wells
L. John Wells A&P 3221132 IA

w/o 38356

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
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ARAPAHOE AERO

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

N770CT

Cirrus

SR22

S/N: 22-2927


Airframe Log Entry

21 March 2018

Flight Hobbs: 0642.4

Hobbs Meter: 0763.4

Complied with Cirrus SB 2X-95-18 R4 (CAPS Rocket Replacement) by removal of rocket motor assembly, P/N: 21814-001, S/N: 4033, and parachute assembly P/N: 20331-001/D, S/N: 03253. Modified parachute enclosure as needed for installation of new rocket assembly. Installed rebuilt parachute assembly P/N: 25574-004-REB, S/N: 03349R1, rebuilt by Cirrus Design PCE# 338CE, reference 8130-3 Work Order 168364, dated 29 January 2018. **Next CAPS parachute repack due 23 January 2028.** Removed reefing line cutters P/N: 26707-001, S/N: 5312 & 5262 and installed on new parachute assembly. **Reefing Line Cutters expire September 2019.** Assembled new rocket motor and igniter components in accordance with Cirrus CAPS CMM. Rocket assembled using new electric igniter components as included in Cirrus Kit P/N: 70268-002. Installed new frangible link assembly, P/N: 29705-002. Installed new rocket motor assembly, P/N: 29500-403, S/N: 2907. **New Rocket Motor Assembly Expiration Date 03 January 2028.** Disassembled MCU as needed to gain access to Clock Power Fuse. Installed new fuse assembly and installed new fuse holder spade connectors. Completed wiring modifications at P/J100 and P138 connectors as needed. Installed CAPS igniter harness assembly and secured routing as needed. Assembled #2 battery box using new cover. Installed (2) new #2 aircraft batteries P/N: 50979-001. **Next replacement of #2 aircraft batteries March 2020 or Flight Hobbs: 1142.4.** Performed all CAPS electrical Resistance, Voltage and Diode checks. All readings found to be within Manufacturers Published Limits. Performed Pitot and Static system leak checks. Weight and Balance calculated using data as provided in Service Bulletin and incorporated into POH. Complied with Cirrus SB 2X-95-24 (CAPS Grounding Wire) by installation of new grounding wire kit P/N: 70572-001. Ground run operational check of aircraft systems satisfactory.



Nathaniel Alan Beuthel A&P 3659835

w/o 38583

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

ARAPAHOE AERO AVIONICS

12780 E Control Tower Rd Englewood, CO 80112 303.799.6289

N770CT Cirrus SR-22 sn: 2927

December 12, 2018

Hobbs: 768.6

Removed Garmin GTX-327 011-00490-00 sn: 83730881

Installed Avidyne AXP-340 Transponder 200-00247-000 sn: 01418

Aircraft is on the Approved Model List (AVAXP-006 Rev 2 JUL/2018) for **STC SA00352BO**.

All work done in accordance with AC43.13-1B Chapter 10, Chapter 11 sections 3-13, Chapter 12 sections 1 & 2 and AC 43.13-2B Chapters 1, 2 & 3. Installed per Avidyne Master Drawing List AVAXP-005 Rev 06 dated July 18, 2018. Avidyne AXP-340 Installation Manual 600-00308-000 Rev 03 dated January 26, 2017. The Transponder test and inspection per **FAR 91.413 Part 43 Appendix F** was performed this date.

The installed ADS-B OUT system has been shown to meet the equipment requirements of 14 CFR 91.277.

Instructions for Continued Airworthiness AVAXP-007 Rev 02 dated October 4, 2016 and an FAA Approved Flight Manual Supplement 600-00309-000 Rev 02 dated April 19, 2018 has been added to aircraft's records. Avidyne AXP-340 Pilot Guide 600-00302-000 Rev 02 has been provided by the Manufacturer and remains with the aircraft. Aircrafts Equipment List has been updated, Weight & Balance has been amended.

Avidyne IFD5000 have been Configured as follows: Cirrus SR-22 Turbo G3, PMA-8000B(T), AXP340, MLB-700 (do not disable, as it still is kind of working although the system technically went dead December 2017), WX-500 Top Antenna, KGP 560 , Skywatch Traffic, NO ADF/ NO DME, DFC-100 Release 2, itch/PitchTrim/RollTrim AHRS -2, N770CT sn: 2927.

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-04177

ARAPAHOE AERO AVIONICS

12780 E Control Tower Rd Englewood, CO 80112 303.799.6289

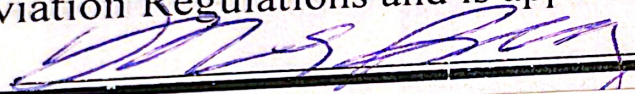
N770CT Cirrus SR-22 sn: 2927

December 12, 2018

Hobbs: 768.6

United Instruments Altimeter 5934PAD-3 sn: 473546 has been tested per FAR 91.411 Part 43 Appendix E to 25K'. Avidyne IFD5000 700-00083-000 sn: M110330488 (#1) nad sn: M110330451 (#2) Altimeters have been tested per FAR 91.411 Part 43 Appendix E to 25K' by Arapahoe Aero Avionics on our WO # AV-04177 dated December 7, 2018. See our 8130-3 issued this date. Aircraft's Pitot and Static systems have been tested per FAR Part 43 Appendix E. 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-04177

000

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

N770CT
Nationality and Registration Mark

12/12/2018
Date

Removed Garmin GTX-327 011-00490-00 sn: 83730881

Installed Avidyne AXP-340 Transponder 200-00247-000 sn: 01418

STC SA00352BO issued April 9, 2015 Aircraft is on the Approved Model List (AVAXP-006 Rev 2 JUL/2018) for STC SA00352BO.

The AXP340 Mode S panel mount transponder is an ED-73E and DO-181E Class 1 compliant Mode S level 2es datalink transponder, with support for extended squitter, elementary surveillance and SI codes. The AXP340 is also a DO-260B Class B1S compliant ADS-B out participant. The AXP340 meets the relevant environmental requirements of DO-160G/ED-14G, and is certified to ETSO C112d, ETSO C166b, TSO C112d and TSO C166b.

All work done in accordance with AC43.13-1B Chapter 10, Chapter 11 sections 3-13, Chapter 12 sections 1 & 2 and AC 43.13-2B Chapters 1, 2 & 3. Installed per Avidyne Master Drawing List AVAXP-005 Rev 06 dated July 18, 2018 Avidyne AXP-340 Installation Manual 600-00308-000 Rev 03 dated January 26, 2017.

Wire used was Mil-W-22759 20-24 gage. Power was supplied through a 3A Klixon circuit breaker on the aircrafts Avionics Electrical Buss and labeled "XPNDR". The Transponder used the existing Transponder Antenna and coax. Transponder is wired to the existing King ACK A-30 Encoder for Gillham Altitude data, Airborne Sense information received from the existing Pressure Switch. (used by the previous transponder). GPS Source data provided by existing Avidyne R9 WAAS GPS Receiver.

The Transponder test and inspection per **FAR 91.413 Part 43 Appendix F** was performed this date. Details of this inspection/ test are on file at this Repair Station on our WO# AV-04177 and an entry was made in aircrafts Airframe Log Book. **The installed ADS-B OUT system has been shown to meet the equipment requirements of 14 CFR 91.277.**

Other than for regulatory periodic functional checks, maintenance of the AXP-340 is on condition only. Instructions for Continued Airworthiness AVAXP-007 Rev 02 dated October 4, 2016 and an FAA Approved Flight Manual Supplement 600-00309-000 Rev 02 dated April 19, 2018 has been added to aircraft's records.

Post installation checkout procedure as described in the Avidyne AXP-340 Transponder Installation Manual 600-00308-000 Rev. 03 was completed

Avidyne AXP-340 Pilot Guide 600-00302-000 Rev 02 has been provided by the Manufacturer and remains with the aircraft. Aircrafts Equipment List has been updated, Weight & Balance has been amended.

Log book entry sticker was issued this date.

Additional Sheets Are Attached

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

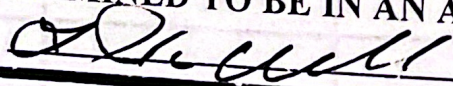
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ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386
N770CT Cirrus SR22 S/N: 22-2927 Airframe Total Time: 0646.5

04 January 2019 Flight Hobbs: 0646.5 Hobbs Meter: 0768.6

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. BT100AV triple/3195/N770CT-1-4-19-1, dated 01/04/2019 on file. **ELT battery due June 2020.** Performed left and right fuel cap resistance check, no defects noted and all readings within limits. Inspected, cleaned, resealed, and leak checked fuel strainer. Inspected nose gear fork for condition and security and checked side tension, no defects noted. Inspected left and right main wheel brake disks, calipers, and linings for condition and security. Inspected nose and main wheel fairings for condition and security. Hydrostatic test of oxygen cylinder competed by DOT, Inc. Reinstalled regulator and serviced bottle as needed. Leak check satisfactory. **Next oxygen bottle hydrostatic test due November 2023.** Inspected flight surface TKS panels and system for components condition and security. CAPS system for component condition and security, no defects noted. Inspected cabin fire extinguisher for condition and security and performed 30 days cabin fire extinguisher weight check, no further defects noted, bottle weight 504.1 grams. Complied with Cirrus SB 2X-32-19 R3 (Nose Landing Gear Upper Gusset Plate Inspection) by inspecting the nose landing gear assembly upper gusset plates for cracks as outlined in Service Bulletin. One crack noted in left side of upper gusset plate, within acceptable limits, no corrective action required. **Next upper gusset plate inspection due at Flight Hobbs: 746.5.** AD's checked through Biweekly 2018-25. Cleaned aircraft exterior, cleaned windscreen and cabin windows and vacuumed seats and interior. Post inspection ground run-up and systems operational check good. **I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.**



L. John Wells A&P 3221132 IA

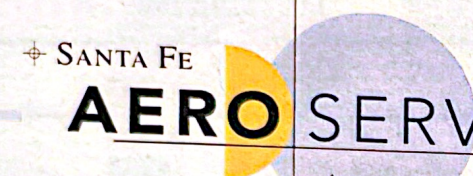
w/o 39607

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
Jan 5-2020	7745 hr.	I certify that I have inspected this aircraft and find it in safe condition for a one-time ferry flight daytime VFR

869 LA

N770CT



AERO SERVICES

AVIONICS • MAINTENANCE • SALES
FAA Approved Repair Station PUVR537X

Airframe Log

121 Aviation Dr. • Bldg 4002 • Santa Fe NM 87507

Date: 07/22/2020	Make: CIRRUS	Model: SR-22	S/N: 2927
Flight: 0650.9	Hobbs: 0744.6	TTAF: 0744.6	

- GAINED ACCESS TO AND REMOVED PARACHUTE LINE CUTTERS, P/N 26707-001 RRL 0912 MFG. DATE 09/2013 S/N'S 5312&5262.
- VERIFIED APPROX. 8 SECOND DELAY FROM ACTIVATION TO FIRING.
- VERIFIED THREE LINK ASSEMBLY IS CORRECT.
- INSTALLED NEW LINE CUTTERS P/N 26707-001 RRL 0320 MANUFACTURE DATE 03/2020 S/N'S 16487& 16420 LAW CAPS COMPONENT MAINTENANCE MANUAL CHAPTER 95-01-01 MAINTENANCE PRACTICES FOR LINE CUTTERS.
- LINE CUTTERS NEXT DUE 03/2026.

Arturo Torres
A&P2834035

Work accomplished at Santa Fe Aero Services, LLC. Reference work order # SO-20-0138

08/17/20 W/O 11394 N770CT TACH AND TT 650.7 ENGINE NEW 650.9 PROPELLER SNEW 650.9

INSPECTED AIRCRAFT PER FAR 43 APPENDIX D AND SR22 MAINTENANCE MANUAL INSPECTION FORM. COMPLIED WITH SB-2X-32-19 R3 INSPECTED NOSE LANDING GEAR ASSEMBLY UPPER GUSSET PLATES. ONE CRACK ON LEFT UPPER GUSSET WITHIN LIMITS. INSPECT AT 750.9. REPLACED NUMBER 2 POWER SUPPLY BATTERIES. REPLACED ELT BATTERY, DUE FEB. 2027. REPLACED RIGHT TAIL PIPE WITH NEW 22-6150021. CHECKED ELT SYSTEM PER 91.207d. ALL TEST RUNS AND OPS CHECKS OK. I CERTIFY THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION

MOUNTAIN VIEW AEROMOTIVE
20 FOXTROT TAXIWAY DEL NORTE CO 81132
719-589-9100

RONALD L ECORD

IA 1691976

8-25-10 WO 11456 N770CT HOBBS 774.6

INSTALLED NEW AIRCRAFT BATTERY. PN G-243 SN G03037477
OPS CHECKS GOOD.

MOUNTAIN VIEW AEROMOTIVE
20 FOXTROT TAXIWAY DEL NORTE, CO
719-589-9100

MARTIN GOLDEN

A&P 2825930

