

THE
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AIRCRAFT
MAINTENANCE
RECORDKEEPING
SYSTEM

N 531SR Log book #2

CLOSED

**AIRFRAME
MAINTENANCE
RECORDS**



AIRFRAME MAINTENANCE RECORDS

Log No. 2

Aircraft Registration No. N5315R

Aircraft Mfg. CIRRUS Model SR22-G3 Serial No. 2438

Engine Mfg. Continental Model 10550N Serial No. 690856

Engine Mfg. _____ Model _____ Serial No. _____

Propeller Mfg. Hartzell Model PHC-J3YF-IN Serial No. FP8609813

Hub Design No. _____ Hub Serial No. _____

Blade Design No. _____ Blade Serial No's. _____

Propeller Mfg. _____ Model _____ Serial No. _____

Hub Design No. _____ Hub Serial No. _____

Blade Design No. _____ Blade Serial No's. _____

(All applicable information must be filled in)



AEROTECH PUBLICATIONS INC.

www.adlog.com
PO BOX 1359 / SOUTHOLD, NY 11971-0965

(631) 765-9375

1-800-235-6444

FAX: (631) 765-9359

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO OF PERSON PERFORMING WORK
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MAKE: Cirrus
MODEL: SR22 G3
S/N: 2438
REG. NO: N531SR
WORK ORDER: 623

Advanced Aircraft Services LP
500 Airport Road Suite D
Lititz, PA 17543
Phone: 717-735-5179

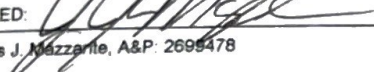
DATE: 5/7/2008
A/C TSN: 434.9
HOBBS: 478.8

Airframe Entries

Removed the Gill aircraft battery G-243 and installed the Concorde sealed battery RG24-11M.

Maintenance Release

The aircraft and/or component(s) on N531SR was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this facility under Work Order No. 623, Dated 5/7/2008.

DATE: 5/7/2008 SIGNED:  Work Order: 623
James J. Mazzante, A&P: 2699478 Printed by EBIS 3 (datcomedia.com)

MAKE: Cirrus
MODEL: SR22 G3
S/N: 2438
REG. NO: N531SR
WORK ORDER: 720

Advanced Aircraft Services LP
500 Airport Road Suite D
Lititz, PA 17543
Phone: 717-735-5179

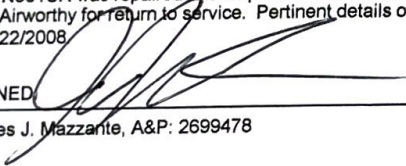
DATE: 9/22/2008
A/C TSN: 501.4
HOBBS: 543.3

Airframe Entries

Replaced the roll trim servo assembly and checked aileron travels.... Complied with AD 08-14-03 Cabin door rod ends.... Installed the Airwolf Air/Oil separator IAW STC SA02268CH and the MFG installation drawings AFC-W360 Rev C dated 08/28/2006. See form 337 in aircraft logs.... Rebonded the wing root fairings as needed.... Recalibrated the fuel qty gauge to specs.... Reinstalled the right rear overhead light button.... Repaired and painted small cosmetic paint chip on top of the right wing.... Retorqued the nose wheel spindle nut to specs due to customer squak of nose wheel shimmy.... Complied with SB 2X-21-03 Air conditioning condensor sealing.

Maintenance Release

The aircraft and/or component(s) on N531SR was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this facility under Work Order No. 720, Dated 9/22/2008.

DATE: 9/22/2008 SIGNED:  Work Order: 720
James J. Mazzante, A&P: 2699478 Printed by EBIS 3 (datcomedia.com)

MAKE: Cirrus
MODEL: SR22
S/N: 2438
REG. NO: N531SR
WORK ORDER:
1810-05-2008



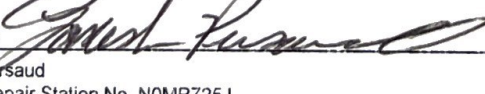
North American Flight Services
Repair Station No. N0MR725J
405 Greenfield Avenue
Ballston Spa, NY 12020
Phone: 518-885-5470

DATE: 06/30/08
A/C TSN: 457
TACH:

Airframe Entries

REPLACED ALTERNATOR 1 WITH NEW PN 656802 SN I051274, AND FIELD 1 CONTROL MODULE WITH NEW PN 14605-002 I/A/W CIRRUS SR22 MM. FUNCTIONAL AND OPERATIONAL CHECKS SATISFACTORY AT THIS TIME.

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

DATE: 06/30/08 SIGNED:  Work Order: 1810-06-2008
Ganesh Persaud Printed by EBIS 3 (datcomedia.com)
Certified Repair Station No. N0MR725J

SUB-TOTAL this page
TOTAL—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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MAKE: Cirrus
MODEL: SR22 G3
S/N: 2438
REG. NO: N531SR
WORK ORDER: 830

Advanced Aircraft Services LP

500 Airport Rd. Suite D
Lititz, PA 17543
Phone: 717-735-5179

DATE: 1/21/2009
A/C TSN: 553
HOBS: 594.9

Airframe Entries

Completed an Annual Inspection using the Cirrus AMM check list ch. 5-20... C/W AD 08-06-28 R1 PFD Error, installed appendix in the POH... C/W SB 2X-21-02 R1 Inlet duct insulation... SB 2X-32-16 MLG Axel Shims PCW from OEM... C/W SB 2X-57-09 Flap Cove Patch... Replaced the left main tire... Secured the trim at the alternate static control handle... Installed 1 new hose clamp on the Airwolf breather hose... Replaced the #4 header... Replaced the left muffler due to a deformed baffle... Replaced the prop cable clip... Replaced the brake linings... Replaced the differential pressure switch for the FH meter and replaced one terminal end... R/R all fuel sending dials and replaced the fuel qty gauge and recalibrated fuel gauge... Repaired the nose wheel fairing... Rebonded the wing root fairing as required... Serviced the tires, serviced the battery, serviced the brake fluid, cleaned and inspected the fuel gascolator screen, replaced the induction air filter, completed a light check. C/W FAR 91.207 (d) ELT check. All AD's current thru 09-02.
-END-

I certify that this AIRFRAME has been inspected IAW an Annual Inspection and was found to be in Airworthy condition.

DATE: 1/21/2009

SIGNED:

Richard A. Barhart II, IA: 3124994

Work Order: 830

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RONSON AVIATION INC		CRS EHHR538D	TRENTON-MERCER AIRPORT	TRENTON, NJ 08628
		(609) 771-9500	FAX (609) 771-0651	
		REG #	N531SR	DATE: 05/14/2009
		MAKE:	CIRRUS	W/O #: 724761
		MODEL:	SR22	HM: 589.9
		S/N:	2438	TT: 589.9
AIRFRAME LOG				
1. REPLACED STARTER SOLEWNOID P/N 51129-002. OPS CHECK GOOD.				
MAINTENANCE RELEASE				
Pertinent details of the inspection are on file at this agency under the work number shown above. I certify that the article described above has been inspected and approved for return to service.				
Signed				
		for RONSON AVIATION, INC. □ CRS EHHR538D		
RONSON AVIATION INC		CRS EHHR538D	TRENTON-MERCER AIRPORT	TRENTON, NJ 08628
		(609) 771-9500	FAX (609) 771-0651	

MAKE: Cirrus
MODEL: SR22 G3
S/N: 2438
REG. NO: N531SR
WORK ORDER: 1048

Advanced Aircraft Services LP

500 Airport Rd. Suite D
Lititz, PA 17543
Phone: 717-735-5179

DATE: 9/9/2009
A/C TSN: 623.6
HOBS: 692

Airframe Entries

Replaced the landing light wire harness. Removed the Lopresti boom beam lamp and reinstalled the OEM lamp. Ops checked good... Replaced inbd right wheel fairing attach hardware, installed large area surface washer... Increased Take off RPM to 2700... Complied with SB 2X-32-19R1 NLG inspection by visual inspection... Replaced #6 CHT probe

Maintenance Release

The aircraft and/or component(s) on N531SR was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this facility under Work Order No. 1048, Dated 9/9/2009.

DATE: 9/9/2009

SIGNED:

James J. Mazzante, A&P: 2699478

Work Order: 1048

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TOTAL—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO OF PERSON PERFORMING WORK
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MAKE Cirrus
MODEL SR22 G3
S/N 2438
REG NO N531SR
WORK ORDER 1164

Advanced Aircraft Services LP
500 Airport Rd Suite D
Litz, PA 17543
Phone 717-735-5179

DATE 2/9/2010
A/C TSN 677 B
HOBBS 758 B

Airframe Entries

Completed an Annual Inspection using the Cirrus AMM check list ch 5-20 AD 09-26-01 Deice fittings, N/A by ASN C/W AD 09-05-05 PFD Error, PCW, appendix installed in POH Replaced air mixing chamber Retorqued the nose strut to engine mount hardware Rebonded both upper mid strut fairing grommets... Reinstalled the air cond pump/drive Assy and receiver drier Retorqued the oil temp sensor terminal nut... Installed 2 new rivets with countersunk washers on the forward left baffle seal Secured a co-ax and control cable at the fuel line aft of the firewall Installed 2 new screws in the heat exchanger muff... Installed new Sump heater Pad... Replaced #2 batteries Rotated the right MLG tire Replaced right wing inbd. TKS supply line seal Leak check good... Installed new Hobbs Differential Switch... Torqued rt. wing fuel supply line Cleaned and repacked all wheel bearings. Serviced all pres. Serviced the battery, Serviced the brake fluid, cleaned and inspected the fuel gascolator bowl completed a light check, C/W FAR 91.207 (d) ELT check. All AD's current thru 10-02 -END-

I certify that this AIRFRAME has been inspected IAW an Annual Inspection and was found to be in Airworthy condition.

DATE 2/9/2010

SIGNED

Work Order 1164

Richard A. Barnhart II, IA: 3124994

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MAKE Cirrus
MODEL SR22 G3
S/N 2438
REG NO N531SR
WORK ORDER:
1513-11-2010

Advanced Aircraft Services LP
530 Airport Rd.
Litz, PA 17543
Phone: 717-735-5179

DATE: 11/8/2010
A/C TSN 747 B
HOBBS 847 B

Airframe Entries

Heated and cleaned all TKS panels. Assured proper flows from each panel. Ops check good.

Maintenance Release

The aircraft and/or component(s) on N531SR was repaired and inspected in accordance with the current rules and regulations of Title 14 of the Code of Federal Regulations, was found Airworthy and was returned to service. Additional details of the repair are available at this facility under Work Order No. 1513-11-2010, Dated 11/8/2010.

DATE: 11/8/2010

SIGNED:

Work Order: 1513-11-2010

Richard A. Barnhart II, IA: 3124994AP

Printed by EBis 3 (datcomedia.com)



Airframe Log Entry

REG#	N531SR	MFG	Cirrus	MODEL	SR22	S/N	2438
WO#	11021	HOBBS	863.0	FLIGHT	760.4		
DATE	02/16/11			ELT Battery		Dec 2011	

1. Completed an Annual Inspection I.A.W Cirrus AMM 5-20.
2. C/W FAR 91.207 Battery condition, ELT Mount and operation normal.
3. Replaced RH MLG Tire with new.
4. C/W Precise Flight Oxygen System I.C.A
5. C/W Garmin GNS430 I.C.A
6. C/W LoPresti Boom Beam P/N LSA-800-030
7. Replaced Brake Linings on RH MLG.
8. Completed Post Inspection Run-up. Operational, Leak and Flight Test satisfactory.

I certify that this Air craft has been inspected IAW an Annual inspection and was determined to be in airworthy condition. Only those items specified in the Work Order have been inspected and found to be Airworthy. No other representation concerning Airworthiness is expressed or implied.

SUB-TOTAL thi

TOTAL—Carry

Authorized Signature
License # / Type

192790580

DATE

TOTAL TIME IN SERVICE

TACH OR RECORDING METER TIME

DESCRIPTION OF WORK PERFORMED—
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

Mass Aviation Services, LLC
Worcester Regional Airport
375 Airport Drive, Worcester, MA 01602

5-26-11 WO# Reg. N531SR Hobbs: 868.8 Flight Hobbs: 764.6

Airframe: Fabricated patch from .032 aluminum and riveted in place on left rear baffle under air/oil separator. Replaced left main tire and tube with new 15/6.00x6 Goodyear Flight Custom 3. Replaced brake pads on left side with new p/n-066-06200. All work was done in reference with AC 43.13-1B.

Br-CH

AP31589366

Mass Aviation, LLC

Worcester Regional Airport
375 Airport Drive, Worcester, MA 01602

7-29-11 WO# 1022 Reg. N531SR Flight Hobbs: 860.3

Airframe: Performed an annual inspection in reference with FAR 43 Appendix D. Updated the airworthiness directives through Bi-weekly issue 2011-15. Serviced and charged battery. Cleaned battery terminals and cable ends. Serviced airframe fuel screen. Cleaned and packed wheel bearings. Adjusted tire pressures to cable ends. Serviced airframe fuel screen. Cleaned and packed wheel bearings. Adjusted tire pressures to manufacturers specifications. Replaced air filter with new p/n-BA-24. Weighed fire extinguisher and found to be within limits. Replaced brake pads on right side with new p/n-066-06200. Replaced right aft nav light with new p/n-A508-28. Removed alternate air valve assembly. Replaced flapper valve with new p/n-15710-001. Reinstalled and checked operation with satisfactory results. Installed STC SA 01669CH by installing K&N air filter. See 337 form dated 7-29-11 for details. Tested the ELT per FAR 91.207, pg. D1-D4. Inspected Airwolf Filter Corp. air/oil separator in reference with ICA Report: AFC-W360, Rev C, dated 8-28-06 and is determined to be in airworthy condition and approved for return to service. Inspected Concorde battery in reference with Concorde Valve Regulated Lead Acid Main Battery ICA Drawing No. 5-0142 Rev H, dated 6-24-03 and is determined to be in airworthy condition and approved for return to service. Inspected Precise Flight oxygen system in reference with Precise Flight Instructions for Continued Airworthiness Cirrus SR-20/SR-22 Built-In Oxygen System STC SA01708SE, Revision A, dated 10-3-2006 and is determined to be in airworthy condition and approved for return for service. Accomplished a performance check in reference with FAR 43.15 para. C2. I certify that this airframe has been inspected in reference with an annual inspection and is determined to be in airworthy condition and approved for return to service.

Br-CH

AP31589366IA

Mass Aviation, LLC.
375 Airport Drive
Worcester, MA 01602

Date: 8/9/11 W/O: 1029 Reg #: N531SR Hobbs: 883.1

AIRFRAME: Replaced MFD with repaired unit, P/N 700-00004-008, S/N 20048466. Set up and operationally checked okay. See 8130 tag dated 4-11-11 for details.

Br-CH

AP31589366

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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			TOTAL brought fr
			Mass Aviation, LLC. 375 Airport Drive Worcester, MA 01602
			Date: 8/29/11 W/O: 1042 Reg #: N531SR Hobbs: 916.3
			AIRFRAME: Removed evaporator assembly and sent to Enviro for overhaul. See yellow tag dated 8/26/11 for details. Reinstalled upon receipt. Charged system with R134 refrigerant. Operationally checked okay.
			<u>Br. UH</u> AP31589366

Mass Aviation, LLC
Worcester Regional Airport
375 Airport Drive, Worcester, MA 01602

9-30-11 WO# 1070 Reg. N531SR Flight Hobbs: 955.5

Airframe: Performed a 100 hour inspection in reference with FAR 43 Appendix D. Updated the airworthiness directives through Bi-weekly issue 2011-20. Serviced and charged battery. Cleaned battery terminals and cable ends. Serviced airframe fuel screen. Cleaned and packed wheel bearings. Adjusted tire pressures to manufacturers specifications. Weighed fire extinguisher and found to be within limits. Replaced brake pads with new p/n-066-06200. Replaced alternator 2 with overhauled unit p/n-BC410-1, s/n-091939X. Fabricated patch from aluminum and installed on right front baffle. Tested the ELT per FAR 91.207, pg. D1-D4. Inspected Challenger Aviation Products air filter in reference with ICA Document no. 4003 Revision E, dated May 5, 2010, and is determined to be in airworthy condition. Inspected Airwolf Filter Corp. air/oil separator in reference with ICA Report: AFC-W360, Rev C, dated 8-28-06 and is determined to be in airworthy condition and approved for return to service. Inspected Concorde battery in reference with Concorde Valve Regulated Lead Acid Main Battery ICA Drawing No. 5-0142 Rev H, dated 6-24-03 and is determined to be in airworthy condition and approved for return to service. Inspected Precise Flight oxygen system in reference with Precise Flight Instructions for Continued Airworthiness Cirrus SR-20/SR-22 Built-In Oxygen System STC SA01708SE, Revision A, dated 10-3-2006 and is determined to be in airworthy condition and approved for return to service. Accomplished a performance check in reference with FAR 43.15 para. C2. I certify that this airframe has been inspected in reference with a 100 hour ~~annual~~ inspection and is determined to be in airworthy condition and approved for return to service.

Mark Pennacchi AP2648060

DATE

Mass Aviation, LLC
Worcester Regional Airport
375 Airport Drive, Worcester, MA 01602

11-18-11 WO# 1098 Reg. N531SR Flight Hobbs: 1053.5

Airframe: Performed a 100 hour inspection in reference with FAR 43 Appendix D. Updated the airworthiness directives through Bi-weekly issue 2011-23. Serviced and charged battery. Cleaned battery terminals and cable ends. Serviced airframe fuel screen. Cleaned and packed wheel bearings. Adjusted tire pressures to manufacturers specifications. Weighed fire extinguisher and found to be within limits. Replaced baffle assemble behind prop with new p/n-15480-002. Replaced right side aft nav light with new p/n-A508-24. Replaced o-rings in right fuel cap with new p/n-300 kit. Replaced right muffler with new p/n-21892-001. Replaced left aft air vent valve with new p/n-51268-003. Tested the ELT per FAR 91.207, pg. D1-D4. Inspected Challenger Aviation Products air filter in reference with ICA Document no. 4003 Revision E, dated May 5, 2010, and is determined to be in airworthy condition. Inspected Airwolf Filter Corp. air/oil separator in reference with ICA Report: AFC-W360, Rev C, dated 8-28-06 and is determined to be in airworthy condition and approved for return to service. Inspected Concorde battery in reference with Concorde Valve Regulated Lead Acid Main Battery ICA Drawing No. 5-0142 Rev H, dated 6-24-03 and is determined to be in airworthy condition and approved for return to service. Inspected Precise Flight oxygen system in reference with Precise Flight Instructions for Continued Airworthiness Cirrus SR-20/SR-22 Built-In Oxygen System STC SA01708SE, Revision A, dated 10-3-2006 and is determined to be in airworthy condition and approved for return for service. Accomplished a performance check in reference with FAR 43.15 para. C2. I certify that this airframe has been inspected in reference with a 100 hour ~~annual~~ inspection and is determined to be in airworthy condition and approved for return to service.

mfermae lu

AP2648060



4535 Airport Approach Rd. Duluth, MN 55811
(218) 727-2911
Cirrus Authorized Service Center
Cessna Authorized Service Facility

Date: 12/28/2011; Aircraft: N531SR; Type: CIRRUS; S/N: 2438; Hobbs: 1252.10; Tach:; Total Time: 1090.50
Shop Order #: 11-8058, Closed: 1/11/2012
Remove and replace LH OB TKS panel with new. Installed Serial CAV11E561 batch JCI0012418-000 Dated 19 Aug 2011
Purge, ops and leak test panel after installation. Also performed full system purge and flow test.
Flight test performed by Cirrus Aircraft flight test pilot with satisfactory results.
Return to service

Signature:

Rick Hagberg A&P 3268908
Rick Hagberg A&P 3268908



Midwest Aircraft Refinishing
11038 Hwy 37 Bld A Box 8
Hibbing, MN 55746 (218)404-0314

Cirrus Design Corporation SR22 07 Jan 2012
N531SR 22-2438 Hobbs *1257.6* Ft- *1094.0*

Removed and wing tips and ailerons in preparation for paint work. Prepped and painted tops of wings, flaps, and ailerons IAW SR22 AMM 51-20. Replaced all required markings. Replaced aileron gap seals and wing-walks. Balanced ailerons and are within limits. Re-assembled aircraft IAW SR22 AMM. All work performed IAW Cirrus Design SR22 AMM..

Ross W. Robillard A&P # 3353760

Signature

Ross W. Robillard

SL

TC

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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375 Airport Drive
Worcester, MA 01602

Date: 01/20/12 W/O#: 1135 Reg.#: N531SR Hobbs: 1102.8

AIRFRAME: Adjusted cabin door for tighter fit. Replaced landing light with good used. Operationally checked okay.

Ben Gill AP31589366



375 Airport Drive
Worcester, MA 01602

Date: 01/26/12 W/O#: 1139 Reg.#: N531SR Hobbs: 1113.0

AIRFRAME: Removed STC SA01669CH. Installed new Brackett P/N BA-111. See 337 dated 1/26/12 for further details.

Mennae Lu AP2648060



375 Airport Drive
Worcester, MA 01602

Date: 02/27/12 W/O#: 1155 Reg.#: N531SRS Hobbs: 1128.5

AIRFRAME: Removed and replaced battery #2 battery with new, P/N 50979-001.

Mennae Lu AP2648060

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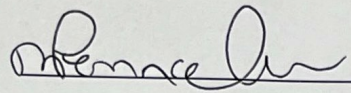
DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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MASS AVIATION

375 Airport Drive
Worcester, MA 01602

Date: 03/08/12 W/O#: 1165 Reg.#: N531SRS Hobbs: 1128.5

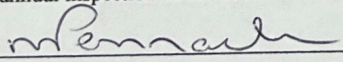
AIRFRAME: Replaced filter assembly and strainer using new o rings, P/N 26115-101, 08721-10. Operationally leak checked okay.

 AP2648060

Mass Aviation, LLC
Worcester Regional Airport
375 Airport Drive, Worcester, MA 01602

3-23-12 WO# 1177 Reg. N531SR Flight Hobbs and Total Time: 1145.7

Airframe: Performed an annual inspection in reference with FAR 43 Appendix D. Updated the airworthiness directives through Bi-weekly issue 2012-05. Serviced and charged battery. Cleaned battery terminals and cable ends. Serviced airframe fuel screen. Cleaned and packed wheel bearings. Adjusted tire pressures to manufacturers specifications. Weighed fire extinguisher and found to be within limits. Replaced left side muffler with new p/n-14836-001. Replaced left side baffle with new p/n-15471-001. Replaced ELT battery with good used. **Expires December 2013.** Resecurred left wing root fairing using tape. Cleaned old adhesive from both cabin steps and painted with wing walk compound. Tested the ELT per FAR 91.207, pg. D1-D4. Inspected Airwolf Filter Corp. air/oil separator in reference with ICA Report: AFC-W360, Rev C, dated 8-28-06 and is determined to be in airworthy condition and approved for return to service. Inspected Concorde battery in reference with Concorde Valve Regulated Lead Acid Main Battery ICA Drawing No. 5-0142 Rev H, dated 6-24-03 and is determined to be in airworthy condition and approved for return to service. Inspected Precise Flight oxygen system in reference with Precise Flight Instructions for Continued Airworthiness Cirrus SR-20/SR-22 Built-In Oxygen System STC SA01708SE, Revision A, dated 10-3-2006 and is determined to be in airworthy condition and approved for return for service. Accomplished a performance check in reference with FAR 43.15 para. C2. I certify that this airframe has been inspected in reference with an annual inspection and is determined to be in airworthy condition and approved for return to service.

 AP2648060IA

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TOTAL—Carry forward to next page

DATE

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TACH OR RECORDING METER TIME

DESCRIPTION OF WORK PERFORMED—
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

MASS AVIATION

375 Airport Drive
Worcester, MA 01602

Date: 05/01/12 W/O#: 1200 Reg.#: N531SRS Hobbs: 1187.0

AIRFRAME: Removed and replaced governor with good used, S/N 061325. Governor was overhauled by New England Propeller. See 8130 tag dated 1/19/09 for details. Time since overhaul on governor is 799.0. Operationally checked okay.

Menna Lue AP2648060

MASS AVIATION

375 Airport Drive
Worcester, MA 01602

Date: 05/15/12 W/O#: 1215 Reg.#: N531SRS Hobbs: 1225.7

AIRFRAME: Replaced ELT battery with new, P/N 455-0012. New battery expires 4/2018. Replaced prop governor with original overhauled governor. See New England Propeller 8130 tag dated 5/11/12 for details. Cleaned connector at end of landing light for better operation.

MASS AVIATION

375 Airport Drive
Worcester, MA 01602

Date: 05/16/12 W/O#: 1216 Reg.#: N531SRS Hobbs: 1225.9

AIRFRAME: Evacuated air conditioning system. Replaced receiver/dryer with new unit, P/N 21209-103-REP-E. See 8130 tag dated 1/18/12 for details. Pulled vacuum on system to check for leaks. None found. Charged system with R134A. All work completed in accordance with Cirrus manual. Operationally checked okay.

Bri Gill AP31589366

TOTAL—Carry forward to next page

DATE

TOTAL TIME

TACH OR RECORDING

DESCRIPTION OF WORK PERFORMED

Mass Aviation, LLC
 Worcester Regional Airport
 375 Airport Drive, Worcester, MA 01602

5-25-12 WO# 1224 Reg. N531SR Flight Hobbs and Total Time: 1247.6

Airframe: Performed an annual inspection in reference with FAR 43 Appendix D. Updated the airworthiness directives through Bi-weekly issue 2012-10. Serviced and charged battery. Cleaned battery terminals and cable ends. Serviced airframe fuel screen. Cleaned and packed wheel bearings. Replaced left main tire and tube with new 15/6.00x6 Goodyear Flight Custom 3. Adjusted tire pressures to manufacturers specifications. Weighed fire extinguisher and found to be within limits. Replaced right aft nav light with new. Replaced cylinder 5 EGT probe with new p/n-16579-002. Replaced brake pads with new p/n-066-06200. Replaced main battery with new Gil G-243. Removed STC SA01304WI by removing Concorde battery. Filed 337 this date. Tested the ELT per FAR 91.207, pg. D1-D4. Inspected Airwolf Filter Corp. air/oil separator in reference with ICA Report: AFC-W360, Rev C, dated 8-28-06 and is determined to be in airworthy condition and approved for return to service. Inspected Precise Flight oxygen system in reference with Precise Flight Instructions for Continued Airworthiness Cirrus SR-20/SR-22 Built-In Oxygen System STC SA01708SE, Revision A, dated 10-3-2006 and is determined to be in airworthy condition and approved for return for service. Accomplished a performance check in reference with FAR 43.15 para. C2. I certify that this airframe has been inspected in reference with an annual inspection and is determined to be in airworthy condition and approved for return to service.

Mennach

AP2648060IA

MASS AVIATION
 375 Airport Drive
 Worcester, MA 01602

Date: 05/30/12 W/O#: 1227 Reg.#: N531SR Hobbs: 1255.2

AIRFRAME: Replaced nose tire and tube with new, Goodyear Flight Custom II 500X5.

Mennach

AP2648060

MASS AVIATION
 375 Airport Drive
 Worcester, MA 01602

Date: 06/19/12 W/O#: 1241 Reg.#: N531SR Hobbs: 1275.0

AIRFRAME: Replaced air conditioner drive shaft assembly with new, P/N 1133175-3. See yellow tag and 8130 dated 6/11/12 for details.

Br: CA

AP31589366

MASS AVIATION
375 Airport Drive
Worcester, MA 01602

Date: 06/26/12 W/O#: 1244 Reg.#: N531SR Hobbs: 1299.1

AIRFRAME: Replaced cylinder #3 EGT with new, P/N 16579-002. Replaced cylinder #5 CHT with new, P/N 16578-001. Replaced MAP sensor with new, P/N 12635-001.

Bri M

AP31589366

MASS AVIATION

Worcester Regional Airport
375 Airport Drive, Worcester, MA 01602

7-13-12 WO# 1260 Reg. N531SR

Flight Hobbs and Total Time: 1344.2

Airframe: Performed an annual inspection in reference with FAR 43 Appendix D. Updated the airworthiness directives through Bi-weekly issue 2012-13. Serviced and charged battery. Cleaned battery terminals and cable ends. Serviced airframe fuel screen. Cleaned and packed wheel bearings. Replaced right main tire and tube with new 15/6.00x6 Goodyear Flight Special. Adjusted tire pressures to manufacturers specifications. Weighed fire extinguisher and found to be within limits. Replaced right aft nav light with new. Replaced air filter with new p/n-BA-24. Resecurred both exhaust heat shields using double sided tape. Resecurred left wing root fairing using double sided tape. Replaced VOR antenna grommets with new. Tested the ELT per FAR 91.207, pg. D1-D4. Inspected Airwolf Filter Corp. air/oil separator in reference with ICA Report: AFC-W360, Rev C, dated 8-28-06 and is determined to be in airworthy condition and approved for return to service. Inspected Precise Flight oxygen system in reference with Precise Flight Instructions for Continued Airworthiness Cirrus SR-20/SR-22 Built-In Oxygen System STC SA01708SE, Revision A, dated 10-3-2006 and is determined to be in airworthy condition and approved for return for service. Accomplished a performance check in reference with FAR 43.15 para. C2. I certify that this airframe has been inspected in reference with an annual inspection and is determined to be in airworthy condition and approved for return to service.

referral

AP2648060IA

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DATE

MASS AVIATION

Worcester Regional Airport
375 Airport Drive, Worcester, MA 01602

8-15-12 WO# 1260 Reg. N531SR

Flight Hobbs and Total Time: 1413.9

Airframe: Performed an annual inspection in reference with FAR 43 Appendix D. Updated the airworthiness directives through Bi-weekly issue 2012-16. Serviced and charged battery. Cleaned battery terminals and cable ends. Serviced airframe fuel screen. Cleaned and packed wheel bearings. Adjusted tire pressures to manufacturers specifications. Weighed fire extinguisher and found to be within limits. Replaced air filter with new p/n-BA-24. Replaced scat hose for lower cowl with new. Removed right cabin door. Resealed upper door hinge post. Reinstalled door. Tested the ELT per FAR 91.207, pg. D1-D4. Inspected Airwolf Filter Corp. air/oil separator in reference with ICA Report: AFC-W360, Rev C, dated 8-28-06 and is determined to be in airworthy condition and approved for return to service. Inspected Precise Flight oxygen system in reference with Precise Flight Instructions for Continued Airworthiness Cirrus SR-20/SR-22 Built-In Oxygen System STC SA01708SE, Revision A, dated 10-3-2006 and is determined to be in airworthy condition and approved for return for service. Accomplished a performance check in reference with FAR 43.15 para. C2. I certify that this airframe has been inspected in reference with an annual inspection and is determined to be in airworthy condition and approved for return to service.

AP26480601A

MASS AVIATION

375 Airport Drive
Worcester, MA 01602

Date: 09/04/12 W/O#: 1303 Reg.#: N531SR Hobbs: 1467.0

AIRFRAME: Re-secured harness on to landing light. Adjusted pilot door latches to open at same time. Adjusted striker pins for proper closing of door. Adjusted co-pilot upper door striker pin for better fit.

AP31589366

MASS AVIATION

375 Airport Drive
Worcester, MA 01602

Date: 09/20/12 W/O#: 1325 Reg.#: N531SR Hobbs: 1469.4

AIRFRAME: Removed propeller and sent out to New England Propeller. Installed overhauled propeller, M/N PHC-J3YF1N, S/N FP6404B, on Cirrus SR22, N531SR, TT: 633.6, SMOH: 0.0. Ran up and leak checked okay. Replaced both cabin door seals with new, P/N 52010-008U. Removed standby air speed indicator and sent to MidContinent for repairs. See 8130 dated 9/11/12 for details. Reinstalled upon receipt. See log entry from The Radio Shop for leak check.

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AP31589366

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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TOTAL brought forward from previous page

N 531SR Hobbs: 1674.5 Flt Time: 1469.4 Work Order: 26519

Tested pitot and static systems after airspeed indicator replacement in accordance with part 43; appendix E, satisfactory

Conrad M. Woodhouse 09/18/12
 the radio shop, inc. airport worcester, ma 01602
 FAA Repair Station TD5R219N



Worcester Regional Airport
 375 Airport Drive, Worcester, MA 01602

10-17-12 WO# 1343 Reg. N531SR Flight Hobbs and Total Time: 1514.3

Airframe: Performed an annual inspection in reference with FAR 43 Appendix D. Updated the airworthiness directives through Bi-weekly issue 2012-20. Serviced and charged battery. Cleaned battery terminals and cable ends. Serviced airframe fuel screen. Cleaned and packed wheel bearings. Adjusted tire pressures to manufacturers specifications. Weighed fire extinguisher and found to be within limits. Replaced air filter with new p/n-BA-24. Replaced left muffler with new from AWI p/n-14836-001. See 8130 tag dated 8-30-12. Reattached trim around alternate static port. Replaced brake pads with new p/n-066-06200. Tested the ELT per FAR 91.207, pg. D1-D4. Inspected Airwolf Filter Corp. air/oil separator in reference with ICA Report: AFC-W360, Rev C, dated 8-28-06 and is determined to be in airworthy condition and approved for return to service. Inspected Precise Flight oxygen system in reference with Precise Flight Instructions for Continued Airworthiness Cirrus SR-20/SR-22 Built-In Oxygen System STC SA01708SE, Revision A, dated 10-3-2006 and is determined to be in airworthy condition and approved for return for service. Accomplished a performance check in reference with FAR 43.15 para. C2. I certify that this airframe has been inspected in reference with an annual inspection and is determined to be in airworthy condition and approved for return to service.

Mennich AP26480601A



375 Airport Drive
 Worcester, MA 01602

Date: 10/31/12 W/O#: 1354 Reg.#: N531SR Hobbs: 1544.0

AIRFRAME: Replaced #2 EGT probe with new, P/N 16579-002. Replaced wire harness on landing light with new, P/N 20247-106. Operationally checked okay. Replaced nose wheel pant brackets with new, P/N 11799-003.

SUE

TOT

Bri Clark AP31589366

DATE

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TIME
IN

TACH OR
RECORDING
METER

DESCRIPTION OF WORK PERFORMED—
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

MASS AVIATION

375 Airport Drive
Worcester, MA 01602

Date: 10/12/12 W/O#: 1376 Reg.#: N531SR Hobbs: 1477.0

AIRFRAME: Removed and replaced TKS strainer with new, P/N 18603-001 using new o rings, P/N AS3582-112, 15164-093. Operationally and leak checked with satisfactory results. Replaced left aft nav light with new, P/N A508-28.

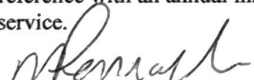
 AP2648060

MASS AVIATION

Worcester Regional Airport
375 Airport Drive, Worcester, MA 01602

1-20-13 WO# 1393 Reg. N531SR Flight Hobbs and Total Time: 1608.9

Airframe: Performed an annual inspection in reference with FAR 43 Appendix D. Updated the airworthiness directives through Bi-weekly issue 2013-01. Serviced and charged battery. Cleaned battery terminals and cable ends. Serviced airframe fuel screen. Replaced wheel bearings and races in both main wheels with new. Cleaned and repacked nose wheel bearings. Adjusted tire pressures to manufacturers specifications. Weighed fire extinguisher and found to be within limits. Replaced air filter with new p/n-BA-24. Replaced brake pads with new p/n-066-06200. Replaced right strobe light with new p/n-36-0050705-00. Tested the ELT per FAR 91.207, pg. D1-D4. Inspected Airwolf Filter Corp. air/oil separator in reference with ICA Report: AFC-W360, Rev C, dated 8-28-06 and is determined to be in airworthy condition and approved for return to service. Inspected Precise Flight oxygen system in reference with Precise Flight Instructions for Continued Airworthiness Cirrus SR-20/SR-22 Built-In Oxygen System STC SA01708SE, Revision A, dated 10-3-2006 and is determined to be in airworthy condition and approved for return for service. Accomplished a performance check in reference with FAR 43.15 para. C2. I certify that this airframe has been inspected in reference with an annual inspection and is determined to be in airworthy condition and approved for return to service.

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MASS AVIATION

375 Airport Drive
Worcester, MA 01602

Date: 01/29/13 W/O#: 1401 Reg.#: N531SR Hobbs: 1617.6

AIRFRAME: Replaced #2 batteries with new, P/N 50979-001.

Br. GLL

AP31589366

MASS AVIATION

375 Airport Drive
Worcester, MA 01602

Date: 03/28/13 W/O#: 1424 Reg.#: N531SR Hobbs: 1683.6

AIRFRAME: Replaced VOR antenna with new, P/N CI-159C, S/N 416726. Removed nose wheel for assembly. Cleaned all surfaces. Reinstalled using new washers, P/N 50545-001, 51853-001.

Br. GLL

AP31589366



Midwest Aircraft Refinishing
11038 Hwy 37 Bld A Box 8
Hibbing, MN 55746 (218)404-0314

Cirrus Design Corp SR22 26 April 2013
N531SR 22-2438 Hobbs- 1939.6 Flt- 1694.0

Prepped and re-painted upper wing surfaces, LH upper Horizontal stabilizer, and vertical fin IAW SR22 AMM Ch 51. Weight and Balance changes negligible.

Ross W. Robillard A&P # 3353760

Signature *Ross Robillard*

Box for totals

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MAINTENANCE

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DESCRIPTION OF WORK PERFORMED—
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

Page No. _____



4535 Airport Approach Rd Duluth MN 55811
(218) 727-2911
Cirrus Authorized Service Center
Cessna Authorized Service Facility

Date: 5/01/2013; Aircraft: N531SR; Type: CIRRUS, S/N: 2438; Hobbs: 1940.0; Total Time: 1694.3
Shop Order #: 13-8483
Performed TKS panel purge on all 4 wing panels. Flow checked system and found satisfactory IAW CDC AMM.
Replaced CAPS reefing lines cutters with new Lot # 1RRL0113 S/Ns 4545 & 4577 dated 01/2013 IAW CDC
CAPS Component MM. Next replacement due 01/2019.
Removed evaporator S/N 119 and replaced with overhauled P/N 21114-601 S/N 459. Serviced air conditioning
system with 1.8 lbs R134a IAW CDC AMM.

Signature:
Steven J. LaMoorea A&P 2841160

MASS AVIATION

Worcester Regional Airport
375 Airport Drive, Worcester, MA 01602

5-8-13 WO# 1452 Reg. N531SR Flight Hobbs and Total Time: 1705.8

Airframe: Performed an annual inspection in reference with FAR 43 Appendix D. Updated the airworthiness directives through Bi-weekly issue 2013-08. Serviced and charged battery. Cleaned battery terminals and cable ends. Serviced airframe fuel screen. Replaced wheel bearings and races in both main wheels with new. Cleaned and repacked nose wheel bearings. Adjusted tire pressures to manufacturers specifications. Weighed fire extinguisher and found to be within limits. Replaced air filter with new p/n-BA-24. Replaced left main tire with new, Goodyear Flight Custom III 15.6X6 tire. Serviced to proper specifications. Replaced right brake spacer with new, P/N 068-01100. Replaced air conditioning turnbuckle with new, P/N MS21251-A5S and secured. Replaced heat exchanger with overhauled, P/N 21892-001. See 8130 dated 4/11/13 for details. Replaced stud on #2 exhaust with new, P/N 401870. Removed and replaced grounding wire on left exhaust with new, P/N MS25083-6BB6. Riveted spacer plate on right heat shroud. All work done in accordance with Cirrus maintenance manual. Tested the ELT per FAR 91.207, pg. D1-D4. Inspected Airwolf Filter Corp. air/oil separator in reference with ICA Report: AFC-W360, Rev C, dated 8-28-06 and is determined to be in airworthy condition and approved for return to service. Inspected Precise Flight oxygen system in reference with Precise Flight Instructions for Continued Airworthiness Cirrus SR-20/SR-22 Built-In Oxygen System STC SA01708SE, Revision A, dated 10-3-2006 and is determined to be in airworthy condition and approved for return for service. Accomplished a performance check in reference with FAR 43.15 para. C2. I certify that this airframe has been inspected in reference with an annual inspection and is determined to be in airworthy condition and approved for return to service.

AP2648060IA

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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			TOTAL brought forward from previous page

Twin City Airmotive (KFIT) Fitchburg, MA 01420 tel. 978-342-8700 Twincity98@verizon.net

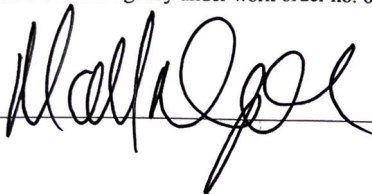
Date: 7/12/13 Hobbs: 2074.0 FH: 1804.7 N 531SR Airframe Annual

AFTT: 1804.7 Serial #: 2438

Performed the following annual inspection in accordance with FAR 43 Appendix D:

1. Performed an annual inspection in reference with FAR 43 Appendix D. Updated the airworthiness directives through biweekly issue 2013/13. Serviced and charged battery. Cleaned battery terminals and cable ends. Serviced airframe fuel screen. Cleaned and repacked all wheel bearings. Adjusted tire pressures to manufacturers specifications. Weighed fire extinguisher and found to be within limits. Replaced air filter with new P/N BA24. Removed and replaced R/H main tire with new FC III 15x6 6ply tire. Removed and replaced nose tire with new P/N 072-312-0 and tube with new P/N 092-308-0. Removed and replaced brake linings with new P/N 066-06200. Installed chafe tape on R/H flap OB as required. Inspected headliner leak above pilot seat and resealed. Removed and replaced brake pucks and o-rings with new. Bled brake system. Removed and replaced R/H o-ring on v-antenna on tail with new. Tested the ELT per FAR 91.207, pg D1-D4. Inspected Airwolf Filter Corp air/oil separator in reference with ICA Report; AFC-W360, RevC, dated 8-28-06 and is determined to be in airworthy condition and approved for return to service. Inspected Precise Flight oxygen system in reference with Precise Flight Instructions for Continued Airworthiness Cirrus SR-20/SR-22 Built-In Oxygen System STC SA01708SE, Rev A dated 10-3-2006 and is determined to be in airworthy condition and approved for return to service. Accomplished a performance check in reference with FAR 43.15 para C2. I certify that this airframe has been inspected in reference with an annual inspection and is determined to be in airworthy condition and approved for return to service. Pertinent details are on file at this agency under work order no. 6165 and a copy has been given to the owner/operator.

Mark Maljanian A&P 33545223 I.A.

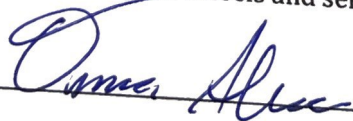


MASS AVIATION

375 Airport Drive
Worcester, MA 01602

Date: 7/19/13 W/O#: 1491 Reg.#: N531SR Hobbs: 1813.3


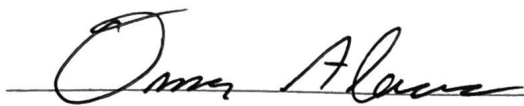


AIRFRAME: Removed alternator 2 and replaced with overhauled unit. See 8130 dated 7/16/13 for details. Operationally checked okay. Removed and replaced wheel disc assemblies with new. Re-torqued wheels and serviced tires to proper PSI.

 AP3683573


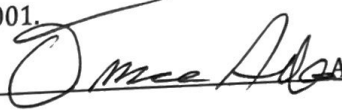
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In all cases, this craft may be flown

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			 Mass Aviation Fitchburg Municipal Airport 607 Airport Blvd., Fitchburg, MA 01420
8-15-13	WO# 1514	Reg. N531SR	Flight Hobbs and Total Time: 1901.5 Airframe: Serviced and charged battery. Cleaned battery terminals and cable ends. Serviced airframe fuel screen. Adjusted tire pressures to manufacturers specifications. Weighed fire extinguisher and found to be within limits. Replaced air filter with new p/n-BA-24. Heater cable loosened and lubricated. Repositioned rear carpet for better fit. Retorqued all exhaust hardware.
			 _____ AP3683573
			 Mass Aviation Fitchburg Municipal Airport 607 Airport Blvd., Fitchburg, MA 01420
8-15-13	WO# 1514	Reg. N531SR	Flight Hobbs and Total Time: 1901.5 Airframe: Performed an annual inspection in reference with FAR 43 Appendix D. Updated the airworthiness directives through Bi-weekly issue 2013-15. Tested the ELT per FAR 91.207, pg. D1-D4. Inspected Airwolf Filter Corp. air/oil separator in reference with ICA Report: AFC-W360, Rev C, dated 8-28-06 and is determined to be in airworthy condition and approved for return to service. Inspected Precise Flight oxygen system in reference with Precise Flight instructions for Continued Airworthiness Cirrus SR20/22 Built-In Oxygen System STC SA01708SE, Reve A dated 10-3-2006 and is determined to be in airworthy condition and approved for return to service. Accomplished a performance check in reference with FAR 43.15 para. C2. I certify that this airframe has been inspected in reference with an annual inspection and is determined to be in airworthy condition and approved for return to service.
			 _____ AP33545223IA

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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
 375 Airport Drive Worcester, MA 01602			
Date: 8/27/13 W/O#: 1524 Reg.#: N531SR Hobbs: 1924.1			
AIRFRAME: Removed and replaced solenoids in MCU with new, P/N 51129-001 and 51129-003. Removed and replaced strobe light assembly with new, P/N 5062601. Operationally checked okay. Removed and replaced cylinder #6 EGT probe with new, P/N 16579-001.			
			 AP3683573

Twin City Airmotive (KFIT) Fitchburg, MA 01420 tel. 978-342-8700 Twincity98@verizon.net

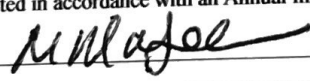
Date: 10/15/13	Hobbs: 2292.2	Tach: 2010.5	N 531SR	Airframe Annual
AFTT: 2010.5				Serial #: 2438

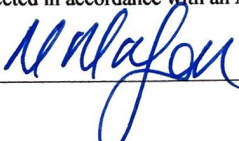
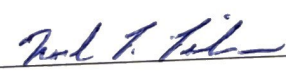
Performed the following annual inspection utilizing the manufacturer's annual inspection guide:
 No discrepancies noted at this time. Next inspection due at Annual 2014/100hrs. Battery

1. C/W FAR 91.207 (d) ELT Inspection. No discrepancies noted at this time. Next inspection due at Annual 2014/100hrs. Battery expires April 2018
2. Repaired air conditioner compressor mounting bracketry and air conditioner compressor as required.
3. Removed and replaced L/H main tire with new Goodyear FS II 15.5x600 6ply tire.
4. Repaired velcro at areas needed while closing aircraft.
5. Inspected and resealed area in headliner above pilot seat as required.
6. Inspected rod end at rudder attachment - checked ok at this time.
7. Removed and replaced Gerdes switch with new unit P/N 50314-001. C/W AD 93-05-06
8. Repositioned R/H nav lens back into retainer.
9. Weighed fire extinguisher as required.
10. Removed and serviced aircraft battery.
11. Removed and replaced engine air filter with new P/N BA24 element.
12. Removed and serviced landing gear as required.
13. Cleaned center console area debris as required.
14. Serviced air conditioning system as required after engine replacement.
15. Trimmed and fit L/H landing gear strut cuff as required.
16. Removed nose landing gear bungee fitting and installed new fitting P/N 13549-002. Swapped over bushing. Reinstalled in aircraft. Mount, tightened bolt at top. Raised nose gear and installed bolts. Torqued and safetied.
17. C/W Airworthiness Directive research to 2013/20 biweekly issuance.

-----End-----

This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and/or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no. 6309 and a copy has been provided to the owner/operator.

I certify that this Airframe has been inspected in accordance with an Annual Inspection and WAS DETERMINED TO BE IN AIRWORTHY CONDITION.
 Mark Maljanian A&P 33545223 IA 

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK		
TOTAL brought forward from previous page					
Twin City Airmotive (KFIT) Fitchburg, MA 01420 tel. 978-342-8700 twincity98@verizon.net					
Date: 12/3/13	Hobbs: 2396.1	Tach: 2112.5	N 531SR	Airframe Annual	
AFTT: 2112.5				Serial #:	2438
<i>Performed the following annual inspection utilizing the manufacturer's annual inspection guide:</i>					
<ol style="list-style-type: none"> 1. C/W FAR 91.207 (d) ELT Inspection. No discrepancies noted at this time. Next inspection due at Annual 2014/100hrs. Battery expires May 2017. 2. Disassembled L/H wing tip light assy. Removed and replaced bulb with new P/N 34-0428070-64. Reassembled light assy. 3. Removed battery #1 from aircraft. Charged and serviced. Cleaned battery and reinstalled in aircraft. 4. Removed brake cylinders and drained fluid from system. Disassembled wheel cylinders. Cleaned, inspected and replaced orings with (4) new P/N MS28775-222. Reassembled wheel cylinders. Replaced (2) pressure plates with new P/N 063-01100. Replaced brake linings with (8) new P/N 066-06200 and (2) shims P/N 068-01100. Bled brake system and function checked normal at this time. Installed new temp indicators (2) P/N 51698-003 and (2) P/N 51698-001. 5. Trouble shot Flight Hobbs and found pressure switch out of adjustment. Adjusted switch to make contact at 37knots airspeed. Reinstalled switch in aircraft. Ops check at test flight. 6. Inspected L/H horizontal stab OB hinge bolt and removed cotter pin. Tightened nut one flat and installed new cotter pin. Ops check and control travel check good at this time. Reinstalled elevator tip. 7. Removed and replaced #2 battery with (2) 50979-001 battery date 11/2013 lot #003818800. Ops check good at this time. 8. Repaired small hole in R/H outer gear leg fairing using fiberglass. Repair was performed on the inside of the fairing. 9. Repaired small crack in L/H outer gear leg fairing using fiberglass. Repair was performed on the inside of the fairing. 10. Installed new helicoil in air conditioning system. Installed new screw. 11. Repaired shorted wire in console at fuel pump switch. Installed new ring terminal after cutting damaged area off wire. 12. Removed and replaced placard on L/H rear fuselage with new P/N 12430-001. 13. Cleaned landing light lens. 14. Installed new brake backing plates and studs. 15. Installed new bottom bumper for gear fairing. 16. Removed and replaced orings in brake wheel cylinder with new. 17. Installed serviceable air vent P/N 51268-003 in rear interior. 					
-----Continue-----					
<ol style="list-style-type: none"> 18. Washed and vacuumed aircraft. 19. C/W Airworthiness Directive research to 2013/23 biweekly issuance. 					
-----End-----					
<p>This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and/or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no. 6360 and a copy has been provided to the owner/operator.</p> <p>I certify that this Airframe has been inspected in accordance with an Annual Inspection and WAS DETERMINED TO BE IN AIR WORTHY CONDITION.</p> <p>Mark Maljanian A&P 33545223 IA </p>					
Twin City Airmotive (KFIT) Fitchburg, MA 01420 tel. 978-342-8700 twincity98@verizon.net					
Date: 2/6/14	Hobbs: 2482.2	FLT: 2195.4	N 531SR	Airframe Repairs	
AFTT:				A/C Serial #	2438
<i>Performed the following repairs utilizing the manufacturer's maintenance manuals:</i>					
<p>Removed floor panel and rugs. Removed side panel. Removed EMA P/N 508358-421 s/n 2FEB07-32 and installed EMA P/N 508358-421 s/n RA22JAN14-13. All work was done in accordance with Cirrus Maintenance Manual 25-10 Page 18. Tested system in accordance with Cirrus Maintenance Manual 25-10 Page 16. Reinstalled side panel, floor panel and rugs. Reinstalled R/H forward pedestal panel.</p>					
-----End-----					
<p>This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and/or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no. 6424 and a copy has been provided to the owner/operator.</p> <p>Noel F. Fisher A&P 1905582 </p>					

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTAL brought forward from previous page			

Twin City Airmotive (KFIT) Fitchburg, MA 01420 tel. 978-342-8700 Twincity98@verizon.net

Date: 3/7/14	Hobbs: 2210.3	Tach:	N 531SR	Airframe Annual
AFTT: 2210.3			Serial #:	2438

Performed the following annual inspection utilizing the manufacturer's annual inspection guide:

1. C/W FAR 91.207 (d) ELT Inspection. Function checked remote switch and checked battery. No discrepancies noted at this time. Next inspection due at Annual 2015/100hrs. Battery expires Apr 2018.
2. Resealed R/H wheel cylinder. Removed and replaced (2) insulators on pistons. Cleaned wheel cylinder and installed heat stickers. Reassembled with new shim and bled brakes.
3. Resealed L/H wheel cylinder. Removed and replaced (2) insulators on pistons. Cleaned wheel cylinder and installed heat stickers. Reassembled with new shim and bled brakes.
4. Stop drilled cracks on L/H and R/H horizontal stab fairing.
5. Adjusted rudder tension to 35lbs. Safetied turnbuckles and adjusted centering bungee.
6. Tightened large fitting at tks tank.
7. Tightened fitting at rear bulkhead.
8. Found tks leak at proportion valve spar location under pilot seat at main feed line. Found main feed line nut loose. Tightened line. Leak checked all lines on proportion valve. Found dist. nuts loose. Removed and replaced (1) new P/N 15164-091 oring on proportionate valve. Checked for leaks - none found at this time.
9. Epoxyed base of tks fitting to L/H rear side fuselage.
10. Installed new wiring harness P/N 12460-002 on middle top of circuit breaker panel. Tywrapped into harness.
11. Tightened jamb nut on mixture control at pump.
12. Resealed battery top cover with RTV and torqued cover.
13. Inspected tks filter and found the bleed screw had back out. Screwed back into place. Reindexed tks filter with bleed cap at top instead of at 90 degrees. Also found safety bail not installed over bleed cap. Reassembled filter housing and installed in aircraft. Removed and replaced (2) seals with new. Found outlet not sealing due to olive. Removed and replaced olive on outlet line.
14. Cleaned lens on landing light unit. Removed and replaced landing light cover on cowling with new P/N 17298-001. Reinstalled screws and gaskets on metal ring holding cover.
15. Released elevator bridle cable and tensions and went to 40lbs top and bottom. Reattached bridle cable and set to 25lbs tension. Checked elevator cable tension 40lbs at rear seat area.

-----Continue-----

16. Checked aileron cable tensions and found to be within limits according to the temp chart.
17. Ailerons not hitting down stop L/H and R/H at wing sector. Adjusted down stop on R/H side for .034 clearance. L/H side ok.
18. Drilled out loose rivets on rudder trim tab and replaced with (4) new rivets P/N CR3213-4-1.
19. Resealed pilot and copilot door window seal lifting on lower fwd corner and lower aft area using new sealant P/N AC251B1/2.
20. Proseal split at L/H and R/H wing fairing. Resealed using new sealant P/N AC251B1/2.
21. Installed missing screws on circuit breaker and lower panel copilot side.
22. Resealed panel under L/H fuselage proseal with new sealant P/N AC251B1/2.
23. L/H fairing wing to gear rivets pulled thru at bracket. Trimmed around fuel drain and picked up two holes.
24. Inspected and found nose wheel steering very stiff. Removed fork from nose gear. Cleaned parts and reassembled using Mobil28 grease on washers and threads. Adjusted steering to 23lbs. Reassembled nose wheel and lowered off jack.
25. Repaired wheel pants as required with fiberglass repair and primed.
26. Repaired R/H main gear fairing and R/H inner fairing as required. Primed.
27. Washed and cleaned airframe.
28. C/W Airworthiness Directive research to 2014/4 biweekly issuance.

-----End-----

This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no. 6470 and a copy has been provided to the owner/operator.

I certify that this Airframe has been inspected in accordance with an Annual Inspection and WAS DETERMINED TO BE IN AIRWORTHY CONDITION.


Noel F. Fisher A&P 1905582 IA



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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK			
Twin City Airmotive (KFIT) Fitchburg, MA 01420 tel. 978-342-8700 twincity98@verizon.net						
Date: 3/13/14	Hobbs: 2505.3	Tach: 2214.2	N 531SR	Airframe Repairs		
AFTT:			A/C Serial #	2438		
Performed the following repairs utilizing the manufacturer's maintenance manuals:						
<ol style="list-style-type: none"> Jacked aircraft and removed nose wheel. Broke down nose wheel and replaced tube due to split in tube. Installed new tube P/N 500X5. Serviced tire to proper spec. Checked balance. Reinstalled and safetied. Installed wheel fairing. Removed from jack. -----End----- This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and/or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no. 6486 and a copy has been provided to the owner/operator. 						
Noel F. Fisher A&P 1905582 <u>Noel F. Fisher</u>						
Twin City Airmotive (KFIT) Fitchburg, MA 01420 tel. 978-342-8700 twincity98@verizon.net						
Date: 3/27/14	Hobbs: 2525.2	Tach: 2230.4	N 531SR	Airframe Repairs		
AFTT:			A/C Serial #	2438		
Performed the following repairs utilizing the manufacturer's maintenance manuals:						
<ol style="list-style-type: none"> Replaced TKS filter by removing bracket and installing new filter P/N 26115-101 in bracket and reinstalled in aircraft. Safetied fittings and purged filter. Removed nose fairing and nose wheel. Removed nose fork and replaced shoulder and inner bearing. Replaced thrust washer. Reinstalled fork. Installed lower washers and adjusted tension to 23lbs final setting and safetied nut. Installed nose wheel and safetied. Installed nose fairing. Replaced light bar on air speed indicator on standby instrument with new. Repositioned rug and added (2) sections of Velcro along IB edge and along air conditioning box to rear. Reinstalled kick panel and floor mat. Replaced remote ELT switch battery with new Duracell 28L Lithium battery. Dated Mar 2021. Replaced cut tywraps and reinstalled hinge pin back in circuit panel. Replaced bad screw on circuit breaker panel. Replaced tinnerman on console panel. Cleaned IB L/H and R/H horizontal stab. -----End----- <p>This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and/or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no. 6505 and a copy has been provided to the owner/operator.</p>						
Noel F. Fisher A&P 1905582 <u>Noel F. Fisher</u>						
Twin City Airmotive (KFIT) Fitchburg, MA 01420 tel. 978-342-8700 twincity98@verizon.net						
Date: 4/9/14	Hobbs: 2546.9	Tach: 2249.0	N 531SR	Airframe Repairs		
AFTT:			A/C Serial #	2438		
Performed the following repairs utilizing the manufacturer's maintenance manuals:						
<ol style="list-style-type: none"> Drained air conditioning system. Ran down vacuum. Serviced system with oil and 1.9 lbs of freon-134. Reinstalled interior removed. Replaced alt air flapper bolt with new P/N AN3-34. Found olive loose at TKS on L/H wing. Changed oring - and got flow to wing. Closed up panels at proportion valve and L/H wing at line attachment to panel. -----End----- <p>This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and/or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no. 6518 and a copy has been provided to the owner/operator.</p>						
Noel F. Fisher A&P 1905582 <u>Noel F. Fisher</u>						


DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK			
Twin City Airmotive (KFIT) Fitchburg, MA 01420 tel. 978-342-8700 twincity98@verizon.net						
Date: 4/21/14	Hobbs: 2567.8	Tach: 2267.1	N 531SR	Airframe Repairs		
AFTT: _____			A/C Serial #	2438		
Performed the following repairs utilizing the manufacturer's maintenance manuals:						
<ol style="list-style-type: none"> 1. Removed cowl. Installed X3 upgrade LoPresti landing light kit P/N SM-500-082. 2. Installed new plastic rivet P/N 51364-250 on panel above parachute inspection panel R/H side. 3. Installed new olive P/N 15164-031 and oring P/N 15164-001 on L/H IB wing panel. <p style="text-align: center;">-----End-----</p> <p>This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and/or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no. 6540 and a copy has been provided to the owner/operator.</p> <p>Noel F. Fisher A&P 1905582 </p>						

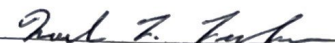

Twin City Airmotive (KFIT) Fitchburg, MA 01420 tel. 978-342-8700 Twincity98@verizon.net					
Date: 5/15/14	Hobbs: 2611.5	Tach: 2301.6	N 531SR	Airframe Annual	
AFTT: 2301.6			Serial #:	2438	

Performed the following annual inspection utilizing the manufacturer's annual inspection guide:

1. C/W FAR 91.207 (d) ELT Inspection. Function checked remote switch and checked battery. No discrepancies noted at this time. Next inspection due at Annual 2015/100hrs. Battery expires April 2018.
 2. Removed fuel strainer assy. Cleaned and reinstalled.
 3. Removed puck container from landing gear and mount. Broke down puck retainer and transferred pucks and bushings to new puck retainer P/N 13549-002. Safetied main nut on shaft of retainer. Reinstalled on mount and landing gear.
 4. L/H and R/H back fairings cracked. Sanded, wiped and patched with fiberglass.
 5. Resealed R/H wheel cylinder with (2) new orings P/N M83461-222. Cleaned cylinder and piston. Reinstalled piston in cylinder and installed (2) new stickers P/N 51698-001 and P/N 51698-003.
 6. Cleaned residual TKS fluid in pocket left over from purging filter.
 7. Removed and replaced R/H main tire bearing and race with new P/N 13889 and P/N 13836.
 8. All (4) life vests P/N RSS-301C s/n 052173, 052175, 052201, 052199 removed from aircraft due to holes in bags.
 9. Cleaned nose gear fork and reinstalled on spindle. Adjusted tension on fork and safetied nut.
 10. Removed and replaced both bearings and races in nose wheel with new P/N 08125 and P/N 08231.
 11. Removed and replaced (1) tywrap securing landing light wiring. Retaped bottom cowl with foil tape as needed.
 12. Reglued rubber seal on lower cowl L/H and R/H side as needed.
 13. Adjusted a/c belt as needed to obtain .25" deflection with 8lbs applied at midpoint of belt.
 14. Washed and vacuumed aircraft.
 15. C/W Airworthiness Directive research to 2014/9 biweekly issuance.
- End-----

This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and/or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no. 6274 and a copy has been provided to the owner/operator.

I certify that this Airframe has been inspected in accordance with an Annual Inspection and WAS DETERMINED TO BE IN AIRWORTHY CONDITION.
Mark Maljanian A&P 33545223 IA 

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK		
TOTAL brought forward from previous page					
Twin City Airmotive (KFIT) Fitchburg, MA 01420 tel. 978-342-8700 twincity98@verizon.net					
Date: 5/23/14	Hobbs:	Tach:	N 531SR	Airframe Repairs	
AFTT:			A/C Serial #	2438	
Performed the following repairs utilizing the manufacturer's maintenance manuals:					
1. Troubleshoot flight hobbs system. Adjusted switch for approx 40-50mph. Reinstalled interior removed to get at switch and #2 hobbs.					
-----End-----					
This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and/or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no. 6589 and a copy has been provided to the owner/operator.					
Noel F. Fisher A&P 1905582 					
Twin City Airmotive (KFIT) Fitchburg, MA 01420 tel. 978-342-8700 twincity98@verizon.net					
Date: 6/17/14	Hobbs: 2697.3	Tach: 2383.8	N 531SR	Airframe Repairs	
AFTT:			A/C Serial #	2438	
Performed the following repairs utilizing the manufacturer's maintenance manuals:					
1. Removed glareshield, top and R/H cowl, R/H bolster panel, seat, R/H OB side panel. Removed and replaced heater valve control cable with new P/N 18277-002. Adjusted cable and heat valve. Reinstalled all items removed.					
2. Inspected nose wheel and found out of adjustment. Tightened axle bolt one castellation and resafetied.					
-----End-----					
This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and/or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no. 6629 and a copy has been provided to the owner/operator.					
Noel F. Fisher A&P 1905582 					
Twin City Airmotive (KFIT) Fitchburg, MA 01420 tel. 978-342-8700 Twincity98@verizon.net					
Date: 6/26/14	Hobbs: 2724.5	Tach: 2407.4	N 531SR	Airframe Annual	
AFTT: 2407.4			Serial #:	2438	
Performed the following annual inspection in accordance with FAR43 Appendix D:					
1. C/W FAR 91.207 (d) ELT Inspection. No discrepancies noted at this time. No discrepancies noted at this time. Next inspection due at Annual 2015/100hrs.					
2. C/W 500hr Inspection of Lower Weldment Bolts. No discrepancies noted at this time.					
3. C/W 500hr Inspection of Cabin Air Control. No discrepancies noted at this time.					
4. Removed and replaced bad screw in cowl with new P/N AN5251032R8.					
5. Removed and replaced rudder rod end with new P/N 11315-004.					
6. Removed and replaced elevator rod end with new P/N 11315-004.					
7. Used metal tube to make rounded corner with fiberglass patch on to of both main gear fairings. Built up fiberglass and sanded smooth.					
8. Made fiberglass patch on both side of hole in IB R/H main fairing. Sanded sharp edges and drilled hole.					
9. Removed R/H main tire. Disassembled and cleaned corrosion on wheel halves and brake disc. Rotated tube. Installed new brake disc P/N 164-02504. Installed tire after washing gear.					
10. Cleaned L/H fuel cap area. Resistance check ok.					
11. Weighed fire extinguisher as required. 11bs. 1.8oz.					
12. Removed and replaced drive grommets on A/C drive with new P/N 1133089-1. Torqued to 60in lbs. and safetied.					
13. Made fiberglass patch on both side of R/H main gear fairing bolt hole. Sanded sharp edges. Drilled new hole. Torqued bolts to 150.					
14. Removed L/H main tire. Disassembled and cleaned wheel halves and brake disc. Removed and replaced tire with new P/ 072-449-0. Torqued bolts.					
15. Tightened jamb nut on pilot side lower door hinge.					
16. C/W Magnometer check as required.					
17. Applied anti chaffe tape to wheel pant cuffs where they were chaffing the wing skin.					
18. Sanded off top layer of paint on nose cap. Fiberglass patched holes inside and outside. Sanded smooth and filled in divots with filler. Primed twice.					
-----Continue-----					

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTAL brought forward from previous page			

19. Removed and replaced nose gear bumper with new P/N 18380-001.
20. Washed and vacuumed aircraft.
21. C/W Airworthiness Directive research to 2014/12 biweekly issuance.

-----End-----

This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and/or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no. 6646 and a copy has been provided to the owner/operator.

I certify that this Airframe has been inspected in accordance with an Annual Inspection and WAS DETERMINED TO BE IN AIRWORTHINESS CONDITION.

Mark Maljanian A&P 33545223 IA _____



Twin City Airmotive (KFIT) Fitchburg, MA 01420 tel. 978-342-8700 twincity98@verizon.net

Date: 7/25/14 Hobbs: Tach: N 531SR Airframe Repairs
AFTT: A/C Serial # 2438

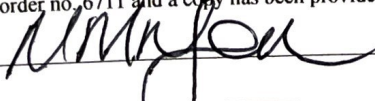
Performed the following repairs utilizing the manufacturer's maintenance manuals:

1. Removed battery P/N RG24-15M s/n 40520965 and installed new Concorde battery P/N RG24-15M s/n 40677198. Ops check good.

-----End-----

This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and/or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no. 6711 and a copy has been provided to the owner/operator.

Mark Maljanian A&P 33545223 _____



Twin City Airmotive (KFIT) Fitchburg, MA 01420 tel. 978-342-8700 Twincity98@verizon.net

Date: 8/14/14 Hobbs: 2506.4 Tach: 2845.9 N 531SR Airframe Annual
AFTT: 2506.4 Serial #: 2438

Performed the following annual inspection utilizing the manufacturer's annual inspection guide:

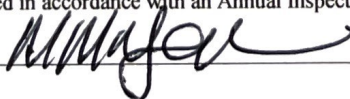
1. C/W FAR 91.207 (d) ELT Inspection. No discrepancies noted at this time. Next inspection due at Annual 2015/100hrs.
2. Removed and replaced R/H main tire with new Condor 16x6 6ply tire P/N 072-449-0.
3. Inspected and weighed fire bottle. 1lb 1.8oz.
4. Removed and replaced (8) brake linings with new P/N APS66-06200.
5. Inspected wheel cylinders and found ok. Removed and replaced R/H brake temp stickers with new P/N 51698-001 and 51698-003.
6. Inspected all cable tensions in accordance with Cirrus Maintenance Manual. All found within limit.
7. Cleaned seat rails as required.
8. Removed and serviced battery. Cleaned tray and reinstalled battery in aircraft.
9. Serviced landing gear as required. Serviced wheel bearings and brakes. Washed and cleaned and reinstalled.
10. Serviced nose wheel as required. Checked fork for poper bearing tightness. Serviced nose wheel bearing. Reinstalled.
11. Repaired nose fairing cap in several places with fiberglass. Primed and painted.
12. Removed air conditioner compressor and bracketry. Evacuated system. Sent to Unlimited Aero Engines for repair by rebushing mounting holes. Reinstalled air compressor bracketry and compressor after repair. Serviced with Freon and oil as required.
13. Washed and vacuumed aircraft.

-----End-----

This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and/or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no. 6728 and a copy has been provided to the owner/operator.

I certify that this Airframe has been inspected in accordance with an Annual Inspection and WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

Mark Maljanian A&P 33545223 IA _____



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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTAL brought forward from previous page			

Twin City Airmotive (KFIT) Fitchburg, MA 01420 tel. 978-342-8700 twincity98@verizon.net

Date: 9/8/14 Hobbs: 2917.9 Flt: 2565.1 N 531SR Airframe Repairs
AFTT: _____ A/C Serial # 2438

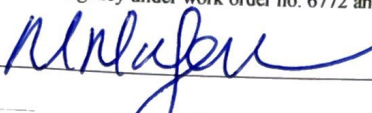
Performed the following repairs utilizing the manufacturer's maintenance manuals:

1. Removed glare shield. Removed cabin heat cable - straightened and reinstalled. Connected to airbox and cabin linkage. Reinstalled glare shield.
2. Gained access to evaporator under baggage floor. Washed and cleaned as required. Reassembled as needed.

-----End-----

This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and/or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no. 6772 and a copy has been provided to the owner/operator.

Mark Maljanian A&P 33545223



Twin City Airmotive (KFIT) Fitchburg, MA 01420 tel. 978-342-8700 Twincity98@verizon.net

Date: 10/13/14 Hobbs: 2965.6 Flt: 2607.0 N 531SR Airframe Annual
AFTT: 2607.0 Serial #: 2438

Performed the following annual inspection in accordance with FAR 43 Appendix D:

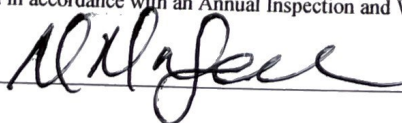
1. C/W FAR 91.207 (d) ELT Inspection. No discrepancies noted at this time. Next inspection due at Annual 2015/100hrs. Function checked unit. Function checked remote switch. Battery expires April 2018.
2. Checked TKS panels. Cleaned surface of panels. Checked for external leaks - none found.
3. Cleaned TKS strainer. Reinstalled with new orings P/N AS3582-112 and P/N 15164-093 and (2) tywraps P/N TY5253M.
4. Installed close out panel on lower cowl around gear leg with new P/N 20665-002.
5. Removed and replaced (6) nose gear bumpers with (6) new P/N 13386-001. Torqued bolts removed. Found rear attachment bolts loose. Reattached with washers. Torqued and safetied.
6. Checked strap in fuel tank and found still attached to tank.
7. Tightened bolt and resafetied rudder rod end bolt.
8. Installed (2) pressure sensitive mounting bases P/N 1A871 on L/H and R/H IB panel. Tied up wire with tywrap in L/H and R/H bay above main wheels.
9. Reinstalled top on main ship battery.
10. Leading edge of main nose gear fairing fiberglass breaking down strut area. Dremelled smooth and cleaned area.
11. Sanded both sides of R/H gear fairing. Dremelled hole through. Fiberglass patched inside and used filler to fill and even out.
12. Inspected firebottle P/N RT-A400 s/n U121878. Weighed 1lbs 1.8oz.
13. Adjusted gap on R/H main gear leg and grommet.
14. Removed L/H main tire. Disassembled, cleaned and inspected halves, inspected and repacked bearings. Rotated tire. Inflated to 62psi and reinstalled on aircraft.
15. Removed and replaced nose tire bearing and race with new P/N 08125 and 08231.
16. Front nose fairing cracked at screw hole. Fiberglass patched and filled in with filler. Sanded smooth and prepped for paint with MX190 and primed.
17. Retaped area on lower cowl as needed.
18. Washed and vacuumed aircraft.
19. C/W Airworthiness Directive research to 2014/20 biweekly issuance.

-----End-----

This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and/or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no. 6829 and a copy has been provided to the owner/operator.

I certify that this Airframe has been inspected in accordance with an Annual Inspection and WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

Mark Maljanian A&P 33545223 IA



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DESCRIPTION OF WORK PERFORMED—
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	
			TOTAL brought forward from previous page

Twin City Airmotive (KFIT) Fitchburg, MA 01420 tel. 978-342-8700 twincity98@verizon.net

Date: 10/20/14 Hobbs: 2610.0 Tach: N 531SR Airframe Repairs

AFTT: A/C Serial # 2438

Performed the following repairs utilizing the manufacturer's maintenance manuals:

1. Installed (2) new batteries in #2 housing with new P/N 50979-001 and installed in aircraft.

-----End-----
This aircraft was inspected and/or repaired in accordance with the manufacture's maintenance manuals. All systems interrupted have been tested and/or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no. 6890 and a copy has been provided to the owner/operator.

Noel F. Fisher A&P 1905582 

Twin City Airmotive (KFIT) Fitchburg, MA 01420 tel. 978-342-8700 Twincity98@verizon.net

Date: 1/2/2015 Hobbs: Tach: 2712.1 N 531SR Airframe Annual

AFTT: 2712.1 Serial #: 2438

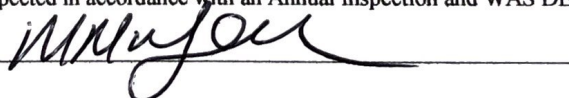
Performed the following inspection in accordance with FAR 43 Appendix:

1. C/W FAR 91.207 (d) ELT Inspection. No discrepancies noted at this time. Next inspection due at Annual 2016/100hrs. Function checked unit. Function checked remote switch. Battery expires April 2018.
2. C/W SB 2X-57-13R1 Gear Bolts. Retorqued gear bolts on main gear.
3. Inspected and weighed fire extinguisher as required. 1lb 1.7oz.
4. Removed and replaced brake discs with new P/N APS164-02504.
5. Removed and replaced brake linings with new P/N APS66-06220. Installed with new rivets P/N APS177-00300.
6. Replaced bearing blocks, actuating pins and actuating arm bearings on L/H and R/H side. Safetied bolts. Reinstalled ailerons and safetied bolts. Installed L/H and R/H close out panels.
7. Cleaned TKS fitting with alcohol and sprayed with ACF-50.
8. Removed and replaced orings for TKS on (2) lines to tail with new (2) P/N 15164-091.
9. Reglued seal along glareshield as needed.
10. Updated all SB and AD research.
11. Painted nose cap and R/H gear fairing at wing attachment as required.
12. Repaired gear fairing on main gear inner sections on L/H and R/H side as required. Patched inside with fiberglass patch. Sanded outside and filled with filler where needed.
13. Repaired holes in front on inner main gear faring on R/H side as required with fiberglass patch. Filled in uneven areas with filler.
14. Repaired hole in nose gear fairing with fiberglass patch. Filled in with filler where needed.
15. Removed and replaced all nose fork bearings with new. All work was done in accordance with Cirrus Maintenance Manual.
16. Removed and replaced nose tire bearing and race with new.
17. Reattached baggage door trim using new 1300L adhesive.
18. C/W SR 2X-28-11R3. Fuel Line Replacement. Drained TKS tank. Removed access panels. Completed SB in accordance with manufacturer's directions. Resealed TKS tank. Allowed sealant to cure. Resealed access panel. Allowed to cure. Serviced tank with TKS fluid.
19. Washed and vacuumed aircraft.
20. C/W Airworthiness Directive research to 2014/26 biweekly issuance.

-----End-----

This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and/or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no. 6934 and a copy has been provided to the owner/operator.

I certify that this Airframe has been inspected in accordance with an Annual Inspection and WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

Mark Maljanian A&P 33545223 IA 

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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTAL brought forward from previous page			

Twin City Airmotive (KFIT) Fitchburg, MA 01420 tel. 978-342-8700 twincity98@verizon.net

Date: 2/26/15 Hobbs: Tach: N 531SR Airframe Repairs
AFTT: A/C Serial # 2438

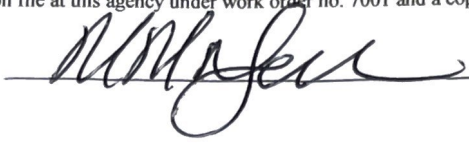
Performed the following repairs utilizing the manufacturer's maintenance manuals:

- Operator noted R/H strobe/nav Assy damaged when aircraft was moved from hanger. Installed serviceable nav Assy. Isolated strobe supply wiring. Filled out MEL for return to service.
- Removed R/H wing tip. Removed and replaced plate P/N 02-0350259-00, socket P/N 02-0350260-00, strobe P/N 36-0050705-00, shield P/N 02-0350071-35, lamp P/N 34-0428070-64, lamp P/N T7512-24, gasket P/N 38-0230021-00, lens P/N A615, Lens green P/N T1284G. Secured all wiring and shielding. Reinstalled wing tip - operation check satisfactory.

End

This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and/or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no. 7001 and a copy has been provided to the owner/operator.

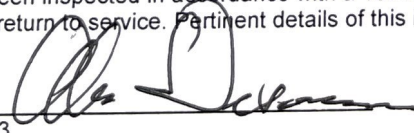
Mark Maljanian A&P 33545223





- Date: 4/16/2015; Aircraft: N531SR; Type: SR22; S/N: 2438; Hobbs: 3179.30; Tach: 2811.20; Total Time: 2811.20
- * Performed a 100-hour Inspection on the airframe in accordance with the inspection checklist contained in the SR22 Maintenance Manual.
 - * Opened and closed the aircraft to perform inspection.
 - * Complied with Airworthiness Directive research to 2015/06 Biweekly issuance.
 - * Completed aircraft lubrication per manufacturers recommendations.
 - * Completed the wheel bearing cleaning, inspection, and re-greasing.
 - * Completed airframe fuel strainer or fuel bowl filter cleaning.
 - * Cleaned the landing gear for inspection.
 - * Removed the induction air filter. Inspected and cleaned the induction air filter housing. Replaced the induction air filter and secured.
 - * Inspected the aircraft battery, serviced electrolyte using distilled water and charged the battery. Inspected and cleaned the battery area. Touched up battery area as required. Reinstalled battery and electrical connections. Operationally tested the battery with satisfactory results.
 - * Complied with FAR 91.207 (d) Inspection and operational check of ELT. Remove, inspected and reinstalled the ELT battery(ies) as necessary. exp date: 4/2018.
 - * Removed and replaced the copilot lower door latch p/n 21889-001. Adjusted the cable tension on the locks in accordance with the Cirrus SR22 Maintenance Manual. Operationally tested the door with satisfactory results.
 - * Removed the right brake caliper and inspected for damage with none noted. Cleaned and installed new o-rings. Reinstalled the brake caliper. Installed new over-temperature indicator labels.
 - * SB2X-05-02, Induction Duct Flapper Bolt Interval Replacement was PCW 4/9/2014 @ 2249.4hrs Flt Hobbs and 1/2/2015 @ 2712hrs Flight Hobbs. Next replacement due at 3212hrs Flight Hobbs.
 - * SB2X-52-07R4, Cabin Door Rod End Replacement has been previously complied with through AD 08-14-13 on 9/22/2008 at 501.4hrs Flight Hobbs. Added an additional shim washer to the lower copilot door hinge in accordance with the SB accomplishment instructions and cotter-pinned.
 - * Checked for water in the pitot/static system lines with no moisture noted.
 - * Disabled the oxygen system and placarded the switch and filler port cover.
 - * Removed the nose fork and inspected the spindle. Found the cup was damaged and removed. Installed a new spindle cup p/n 11637-001. Cleaned the nose gear leg. Touched up the paint and applied anti-chafe tape. Reassembled the nose gear leg fairing. Reinstalled the nose gear fork on the strut with a new thrust washer p/n 50545-001, Belleville washers p/n 51853-001 and AN970-8 washer. Torqued the fork in accordance with manufacturer's specifications and safetied. Work was performed in reference to the Cirrus SR22 Maintenance Manual.
 - * Removed and replaced both main landing gear upper strut grommets p/n 16937-002.
 - * Removed the left main landing gear tire. Installed a new tire p/n 156E61-3 15x6.00 6ply Flight Special II and torqued the bolts to manufacturer's specifications.

I certify that this aircraft has been inspected in accordance with a 100 hour Inspection and was determined to be in airworthy condition and is approved for return to service. Pertinent details of this inspection are on file at Infinity Aviation Services LLC under the work order listed.

Signature: Alan Desrosiers
 Date: 4/16/2015, W/O: 15653
 Infinity Aviation Services LLC
 FAA Certified Repair Station
 #16FR992Y



DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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FLIGHTLEVEL

Airframe Logbook Entry

Name: Cornerstone Aviation L.L.C.	Tail # N531SR	Hobbs: 3284.4
W.O.: 9068	Serial #: 2438	Flight: 2908.5
Date: 5/29/2015	Model SR22	

Completed 100 Hr. Aircraft inspection this date IAW Cirrus SR22 AMM checklist C/W FAR 91.207 (d) ELT battery due replacement 4/2018. Performed capacity test on battery and passed. Replaced engine cowling RAM air ducting. Cleaned all TKS panels and replaced propeller slinger ring feed tube. Replaced LH muffler and RH heat exchanger. C/W monthly fire extinguisher weight check. Secured battery box cover. C/W 500 Hr. engine weldment lower attachment point special inspection. C/W 500 hr. Cabin Air Control special inspection. Cleaned and greased all weal bearings. Replaced LH and RH brake pads. Replaced LH brake disc with serviceable disc. Replaced Flight Hobbs meter differential pressure switch Replaced LH & RH main wheel outboard grease seals. Adjusted nose gear fork tension and saftied. I certify that this aircraft has been inspected IAW an 100 Hr. inspection and is airworthy at this time and is approved for return to service.

Signature:  Steven Wolff A&P IA 16629146
 Flightlevel Norwood Aircraft Maintenance
 209 Access Road, Norwood MA 02062 781-769-8686



Date: 7/16/2015; Aircraft: N531SR; Type: SR22; S/N: 2438; Hobbs: 3387.30; Tach: 3008.70; Total Time: 3008.70

- * Performed a 100-hour Inspection on the airframe in accordance with the inspection checklist contained in the SR22 Maintenance Manual.
- * Opened and closed the aircraft to perform inspection.
- * Complied with Airworthiness Directive research to 2015/13 Biweekly issuance.
- * Completed aircraft lubrication per manufacturers recommendations.
- * Completed the wheel bearing cleaning, inspection, and re-greasing.
- * Completed airframe fuel strainer or fuel bowl filter cleaning.
- * Cleaned the landing gear for inspection.
- * Removed the induction air filter. Inspected and cleaned the induction air filter housing. Replaced the induction air filter and secured.
- * Inspected the aircraft battery, serviced electrolyte using distilled water and charged the battery. Inspected and cleaned the battery area. Touched up battery area as required. Reinstalled battery and electrical connections. Operationally tested the battery with satisfactory results.
- * Complied with FAR 91.207 (d) Inspection and operational check of ELT. Remove, inspected and reinstalled the ELT battery(ies) as necessary. exp date: 4/2018.
- * Removed and replaced the nose wheel tire p/n 505C61-8 5.00x5 6ply. Torqued the wheel half bolts to manufacturer's specifications.
- * Removed and replaced the right main landing gear tire p/n 156E61-3 15x6.00 6ply Flight Special II. Torqued the wheel half bolts to manufacturer's specifications.
- * Removed the right aft nav lens and installed the correct lens p/n 68-4250066-30 with new gasket. Operational check was satisfactory.
- * Lubricated the copilot door upper latch. Operationally tested the door with satisfactory results.

I certify that this aircraft has been inspected in accordance with a 100 hour Inspection and was determined to be in airworthy condition and is approved for return to service. Pertinent details of this inspection are on file at Infinity Aviation Services LLC under the work order listed.

Signature: Alan Desrosiers 
 Date: 7/16/2015, W/O: 15757
 Infinity Aviation Services LLC
 FAA Certified Repair Station
 #I6FR992Y

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Date: 8/13/2015; Aircraft: N531SR; Type: SR22; S/N: 2438; Hobbs: 3491.60; Tach: 3110.50; Total Time: 3110.50
* I certify that this aircraft has been inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition and is approved for return to service. Pertinent details of this inspection are on file at Infinity Aviation Services LLC under the work order listed.

Signature: Alan Desrosiers
Date: 8/13/2015, W/O: 15796
Infinity Aviation Services LLC
FAA Certified Repair Station
#I6FR992Y



Date: 8/24/2015; Aircraft: N531SR; Type: SR22; S/N: 2438; Hobbs: 3491.60; Tach: 3110.50; Total Time: 3110.50
* Removed the air conditioning compressor to gain access to the air conditioning drive adapter. Removed the adapter. Installed a serviced drive shaft and hub assembly p/n 1133175-3S, belt tension turnbuckle p/n 1133087-1 and new hardware as needed. Reinstalled the compressor and adjusted the belt tension. Serviced the freon and added 1.8lbs. Performed an engine ground run and operationally tested the system with satisfactory results.
* Removed and replaced both nose wheel pant brackets p/n 11799-004.
* Removed the nose fork and cleaned. Reinstalled the nose fork with a new thrust washer p/n 50545-001 and AN970-8 washer. Set tension to within manufacturer's specifications.
* Complied with SB2X-28-12, Electric Fuel Pump Inspection in accordance with the accomplishment instructions with no leaks noted.
* Removed the elevator trim motor from the aircraft. Disassembled and tightened the housing screws. Reassembled the trim housing to the mounting plate and reinstalled on the aircraft.
* Cleaned the induction "Y" tube and installed a new threaded rod p/n 14626-002.
* Removed the right brake caliper, disassembled and cleaned. Installed new piston o-rings p/n M83461/1-222 and reassembled the caliper. Bled the caliper and reinstalled. Installed a new yellow over-temperature label.
* Rebonded one of the right main landing gear lower strut grommets.
* Removed and replaced the left and right brake linings p/n 066-06200.
* Removed the nose gear leg. Replaced the gear leg mount bushings p/n 13705-003, NAS77-10-013, NAS77-8-050 and hardware. Reinstalled the nose gear leg.
* Cleaned the brake line anchor on the left main strut and re-secured.

Signature: Alan Desrosiers
Date: 8/20/2015, W/O: 15796
Infinity Aviation Services LLC
FAA Certified Repair Station
#I6FR992Y

Autumn Air Services 557 Crawford St. Fitchburg, MA 01420 (978) 343-5727

Date: 9-29-2015 N N531SR Hrs. Flt hoobs: 3212.8
Tech: Jeff Hill A&P: 32075561A Sign:

- Description of Work: Aircraft
1. Tach: 3212.8, Total time: 3212.8, Engine SMOH: 1202.3, Propeller SMOH: 1743.4.
 2. The ELT was inspected i/a/w FAR 91.207d with no discrepancies noted. Battery is next due 4/2018.
 3. AD's were reviewed as of revision 2015-20.
 4. Serviced aircraft as follows: Repacked wheel bearings, lubed/ greased landing gear, lubed/ serviced brake system. Lubed flight, engine and accessory controls. Lubed all hinges, mechanisms, bearings, pulleys, drives and rod ends. Serviced, charged and cleaned battery and box. Cleaned main fuel screen. Replaced air filter, Engine: BA24. Cleaned the engine, belly and washed the aircraft. Dressed and painted the propeller.
 5. Replaced induction air filter with new BA24. Next due Flt hobbs: 3412.8.
 6. Replaced alternate air valve bolt with new AN3-34. Next due Flt hobbs: 3712.8.
 7. Replaced LH exhaust muffler with new p/n A14836-001. Next due Flt hobbs: 4212.8
 8. Secured fwd baffle hardware and safetied.
 9. Separated alternate air control and fuel line, secured control.
 10. Replaced propeller control rodend with new P/N 11314-003. Checked rig and safetied.
 11. Removed and cleaned air/oil separator. Next due Flt hobbs: 3312.8.
 12. Replaced LH main tire and tube with new Goodyear Flight Special II, P/N 156E61-3, S/N: 51072081, tube P/N 097-500-0. Reassembled wheel, torqued hardware. Reinstalled and set bearing drag and safetied. Reinstalled brakes, torqued mounting hardware.
 13. The systems affected were operationally tested with no discrepancies noted.
 14. All work was performed i/a/w the manufacturer's service instructions and AC43.13.1B.
 15. I certify that this Aircraft has been inspected i/a/w an ANNUAL/100 HR inspection and determined to be in airworthy condition. End.

DATE



Date: 11/03/2015; Aircraft: N531SR; Type: SR22; S/N: 2438; Hobbs: 3640.40; Tach: 3258.70; Total Time: 3258.70
 * Complied with 50 hour interval inspection in accordance with the Cirrus Scheduled Maintenance Manual.
 * Reviewed compliance status with current FAA regulations.
 * Removed engine cowling and cleaned.
 * Visually inspected compressor mount grommets.
 * Performed inspection/check of the brake linings.
 * Replenished brake fluid reservoir.
 * Performed inspection/check of the oleo strut
 * Performed aircraft lubrication per Lubrication Schedule.
 * Verified all Airworthiness Directives are complied with and airplane papers in proper order.
 * Reinstalled the engine cowling.
 * Removed and replaced the right brake linings p/n 066-06200 with new brake shim p/n 068-01100.

Signature: Alan Desrosiers
 Date: 11/3/2015, W/O: 15897
 Infinity Aviation Services LLC
 FAA Certified Repair Station
 #16FR992Y

12-11-15 Hobbs: 3617.3 FLT Hobbs: 3289.6

Removed Engine M/N 10-550-n S/N 1008957 From
 AIRCRAFT FOR OVERHAUL.

End

Autumn Air Services.

557 Crawford St. Fitchburg, MA 01420

(978) 343-5727

Date: 2-27-2016

N

N531SR

Hrs.:

FLT Hobbs: 3289.6

Tech: Jeff Hill

A&P:

3207556

Sign:

Description of Work:

1. Reinstalled after overhaul by Victor Aviation Services, Inc. under W.O.# 17176. Reinstalled engine using new Barry engine mounts P/N 96301-01, installed with new locking hardware and torqued mounting bolts.
2. Removed propeller M/N PHC-J3YF-1N-N7605B, S/N FP6404B for overhaul. Reinstalled propeller M/N PHC-J3YF-1N-N7605B, S/N FP6404B after overhaul by New England Propeller Services under W.O.# CR-42214. Installed using new locking hardware and torqued.
3. Removed propeller governor P/N C290D3-R/T23, S/N 040387. Reinstalled after overhaul by New England Propeller Services, Inc. under W.O.# CR-42404. Installed using new mounting gasket and locking hardware.
4. Removed #2 alternator P/N BC410-1, S/N 0564797X. Installed overhauled #2 alternator P/N BC410-1, S/N 0921393. Installed using new gasket and locking hardware, and torqued.
5. Installed new starter P/N C24ST5, S/N 4C5-431523.
6. Reinstalled Reiff heater system and secured.
7. Reinstalled air conditioner drive and compressor using new gasket and hardware.
8. Cleaned Airwolf Air/oil separator. Reinstalled and secured hoses and clamps.
9. Reinstalled exhaust stacks and mufflers using new gaskets and locking hardware.
10. Reinstalled CHT and EGT probes.
11. Installed new engine air filter P/N BA24.
12. Run up and leak checked fuel and oil systems. No disc noted.
13. The systems affected were operationally tested with no discrepancies noted.
14. All work was performed i/a/w manufacturer's service instructions and AC43.13.1B. End

3/25/16

This logbook closed. New Logbook started
 This date

End

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3207556
 A&P