

N1640 LOG #2

AIRCRAFT LOG
AF5-1

AIRCRAFT DESCRIPTION

MANUFACTURER Cessna MODEL SR22 DATE OF MFG. 6/10/2003
 SERIAL NUMBER 0579 REGISTRATION NUMBER N1640C

REGISTERED OWNER _____	
STREET ADDRESS _____	
CITY, STATE, ZIP _____	
OPERATOR _____	
STREET ADDRESS _____	
CITY, STATE, ZIP _____	
REGISTERED OWNER _____	
STREET ADDRESS _____	
CITY, STATE, ZIP _____	
OPERATOR _____	
STREET ADDRESS _____	
CITY, STATE, ZIP _____	

Inspection Status (Check one)

- ☒ F.A.R. 91.409 ANNUAL/100 HOUR
- ☐ F.A.R. 91.409 PROGRESSIVE
- ☐ F.A.R. 135.419 A.T.C.O.
- ☐ OTHER

DATE ENTERED _____

MAINTENANCE RESPONSIBILITY _____

INSTALLED EQUIPMENT

ITEM	MANUFACTURER	MODEL	SERIAL NO.
ENGINE	TCM	I0550N79	687494
ENGINE			
PROPELLER	Hartzell	RHC-33YE-1RF	FP 3866 B
PROPELLER			
ENGINE			
ENGINE			
PROPELLER	LIFE LIMITED PARTS SR22		
PROPELLER	PART NAME	PART NUMBER	NOTE
ENGINE	CAPS ROCKET MOTOR	26601-001	SN 1361
ENGINE	PARACHUTE	25337-001	SN B1124
ENGINE	REEFING LINE CUTTERS	25347-002	S/N 0746
PROPELLER	ELT BATTERY	MN1300	NSN
PROPELLER			
ENGINE			
ENGINE			
PROPELLER			
PROPELLER			

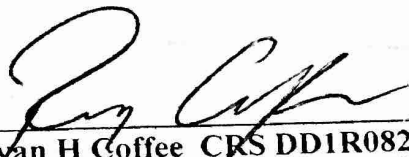
PART NAME	PART NUMBER	NOTE	EXPIRES
CAPS ROCKET MOTOR	26601-001	SN 1361	4/9/2023
PARACHUTE	25337-001	SN B1124	4/9/2023
REEFING LINE CUTTERS	25347-002	S/N 0746	3/31/21
ELT BATTERY	MN1300	NSN	9/2015

ITEM	
ENGINE	
ENGINE	
PROPELLER	
PROPELLER	
ENGINE	
ENGINE	
PROPELLER	

Avionics, Inc.
Hangar #2, Lunken Airport
Cincinnati, OH 45226

Cirrus SR22 N1640C
S/N 0579
WO# 110928-1A

Performed PFD magnetometer calibration in accordance with Cirrus Maintenance Manual #34-20 dated Jun 15, 2010. Performed operational checks and found results satisfactory.


Ryan H Coffee CRS DD1R082K

Date 9-28-2011

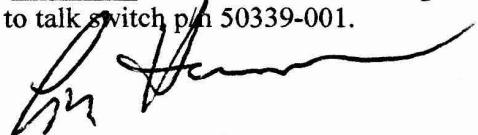
SERIAL NO.



4510 Airport Rd. Cincinnati OH.45226 (513) 321-1200

N1640C Date: 8/31/2011 Airframe Hobbs: 2272.2 Flight: 156.3

1. Installed new pilots push to talk switch p/n 50339-001.

Greg Herrmann 406901563IA 



PROPELLER			
PROPELLER			

MAJOR ALTERATION

Registration #N N1640C

Performed altimeter(s), static system and altitude reporting equipment tests as required by FAA Part 91.411 IAW FAR 43, Appendix E.

Altimeter(s) and Static System Test Date: 9/28/2011

LH S/N 22531264 RH S/N 431424

Encoder S/N 83889 Tested to: 18000 ft

Performed ATC transponder tests and inspections as required by FAA part 91.413 IAW FAR 43 Appendix F.

#1 Transponder Model GTX327 S/N 83713774

#2 Transponder Model n/a S/N n/a

Signed:

Date:

9-28-11

For Avionics, Inc.

FAA Repair Station DD1R082K

DESCRIPTION

Avionics, Inc.

Altimeter S/N 22531264

DD1R082K

N 1640C

Altitude Ft.	Altimeter Reads	Altitude Ft.	Altimeter reads
1000	0	14000	14020
0	-20	16000	16000
500	490	18000	18050
1000	1010	20000	X
2000	1970	22000	X
3000	2970	25000	X
4000	3970	30000	X
6000	5970	35000	X
8000	7980	40000	X
10000	9980	45000	X
12000	12000	50000	X

Signed:

Date:

9-28-11

For Avionics, Inc.

FAA Repair Station DD1R082K

Avionics, Inc.

Altimeter S/N 43142

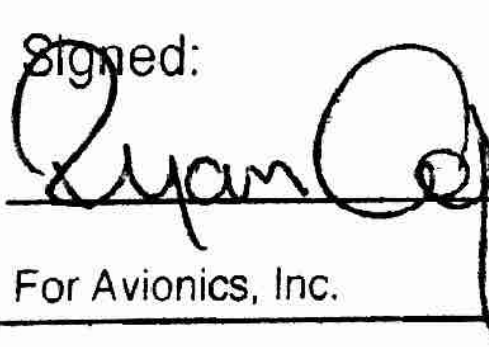
DD1R082K

N 1640C

Altitude Ft.	Altimeter Reads	Altitude Ft.	Altimeter reads
1000	-1020	14000	14020
0	-20	16000	16050
500	510	18000	18080
1000	990	20000	X
2000	1980	22000	X
3000	2980	25000	X
4000	3980	30000	X
6000	5960	35000	X
8000	7960	40000	X
10000	9960	45000	X
12000	12010	50000	X

Signed:

Date:

 9-28-11

For Avionics, Inc.

FAA Repair Station DD1R082K

MAJOR ALTERATIONS

DESCRIPTION OF ALTERATION

DATE



4510 Airport Rd.
Cincinnati OH 45226
(513) 321-1200



N1640C S/N: 0579 Date: 10/28/2011 Airframe Hobbs: 2346.8 Flight: 216.0 AFTT: 2294.9

I certify that I have inspected this aircraft I/A/W an Annual inspection per Cirrus SR22 AMM rev. B1 dated 31 May 2011 Chapter 5-20 and determined it to be airworthy for return to service. The following work was accomplished at this time:

1. Serviced all lubrication items as needed.
2. Installed new center arm rest pn# 12260-002-008
3. Installed new NLG spindle nut pn#MS17826-8.
4. Installed new NLG Teflon washer pn# 50545-001.
5. Installed new NLG pant brackets p/n 1179-003.
6. Installed new NLG wheel pant pn#15312-001.
7. Refinished interior seats using SEM Color coat.
8. Installed new pilots seat emergency absorption module pn# 14152-004.
9. Installed new pilots door cable p/n 10642-002.

Service Bulletins

SB 2X-32-19 R2 accomplished at this time. Nose landing gear assembly inspection and reinforcement.
Cracks were found. Reinforced NLG per SB using kit pn# 70238-001.

I certify that this airframe has been inspected and repaired in accordance with current regulations of the FAA and is approved for return to service.

Greg Herrmann 406901563IA

LIFE LIMITED PARTS OR OVERHAUL REQUIREMENTS

[illegible]



4510 Airport Rd. Cincinnati OH 45226 (513) 321-1200



N1640C S/N: 0579 Date: 2/14/2012 Airframe Hobbs: 2442.1 Flight: 288.5

1. Inspected aircraft for a hard landing per Cirrus AMM 5-50 pg.1 par.2. B.
2. Inspected firewall for damage. None found.
3. Installed new nose landing gear assembly p/n 14082-004 per Cirrus AMM 32-20 pg10.
4. Cleaned nose wheel bearings and lubed.
5. Installed new nose landing gear wheelbearing p/n 08125.
6. Installed new nose tire Goodyear FSII p/n 156E61-3 and tube p/n 092-308-0.
7. Installed new brake linings p/n 066-10500.
8. Installed new brake orings p/n MS28775-222 and brake stickers p/n 70227-002.
9. Installed new nose wheel pant p/n 15312-001.
10. Installed new nose gear fairing p/n 15566-001.
11. Installed new nose landing gear spindle nut p/n MS17826-3.
12. Installed new alternate air scat hose p/n 04-6400001-10-58-6.
13. Installed new landing light lens retainer p/n 17984-001
14. Refinished lower nose cowling using Delfleet F3930 FDGH.

Greg Herrmann 406901563IA



4510 Airport Rd.
Cincinnati OH 45226
(513) 321-1200



N1640C S/N: 0579 Date: 2/28/2012 Airframe Hobbs: 2472.2 Flight: 314.0 AFTT: 2389.7

1. Installed new #1 battery p/n RG24-15M s/n 40466058.

Greg Herrmann 406901563IA



4510 Airport Rd.
Cincinnati OH 45226
(513) 321-1200



N1640C S/N: 0579 Date: 3/1/2012 Airframe Hobbs: 2473.1 Flight: 312.4 AFTT: 2391.3

I certify that I have inspected this aircraft I/A/W an **Annual** inspection per Cirrus SR22 AMM rev. B1 dated 31 May 2011 Chapter 5-20 and determined it to be airworthy for return to service. The following work was accomplished at this time:

1. Serviced all lubrication items as needed.

Service Bulletins

SB 2X-32-19 R2 accomplished at this time. Nose landing gear assembly inspection and reinforcement.
Inspected for cracks. None found.

I certify that this airframe has been inspected and repaired in accordance with current regulations of the FAA and is approved for return to service.

Greg Herrmann 406901563IA



4510 Airport Rd. Cincinnati OH 45226 (513) 321-1200



N1640C Date: 4/17/2012 Airframe Hobbs: 2570.9 Flight: 391.8

1. Installed new right main tire Goodyear FLC II p/n 301-249-420. Cleaned and greased wheel bearings. Spin checks good.

Greg Herrmann 406901563IA

NAME OF PART	PART NUMBER	SERIAL NUMBER	INSTALLATION DATE/HOURS	TIME ON PART AT INSTALL	LIFE LIMIT OR T.B.O.	REMOVAL DATE/HOURS	AGENCY CERT. NO.
--------------	-------------	---------------	-------------------------	-------------------------	----------------------	--------------------	------------------



I certify that I have inspected this aircraft I/A/W an **Annual** inspection per Cirrus SR22 AMM rev. B1 dated 31 May 2011 Chapter 5-20 and determined it to be airworthy for return to service. The following work was accomplished at this time:

- Greg Herrmann 406901563IA

[Signature]

[illegible]



4510 Airport Rd.
Cincinnati OH 45226
(513) 321-1200



N1640C S/N: 0579 Date: 6/29/2012 Airframe Hobbs: 2723.6 Flight: 509.8 AFTT: 2588.7

I certify that I have inspected this aircraft I/A/W an Annual inspection per Cirrus SR22 AMM rev. B1 dated 31 May 2011 Chapter 5-20 and determined it to be airworthy for return to service. The following work was accomplished at this time:

1. Serviced all lubrication items as needed.
2. Replaced thrust washer in nose landing gear spindle p/n 50545-001.
3. Adjusted nose fork tension to 25lbs of pull.
4. Installed new nose tire FLCIII 5.00x5. Spin checks good.
5. Installed new l/h wheel pant bracket p/n 17205-001.
6. Installed new r/h wheel pant bracket p/n 17205-002.
7. Installed new r/h brake linings p/n 066-10500.

Airworthiness directives

All AD's current as of this date.

Service Bulletins

SB 2X-32-19 R2 accomplished at this time. Nose landing gear assembly inspection and reinforcement.
Inspected for cracks. None found.

I certify that this airframe has been inspected and repaired in accordance with current regulations of the FAA and is approved for return to service.

Greg Herrmann 406901563IA



4510 Airport Rd. Cincinnati OH 45226 (513) 321-1200



N1640C Date: 7/11/2012 Airframe Hobbs: 2747.5 Flight: 528.2

1. Installed new right position lens p/n 86-4250066-30 and lamp p/n 50911-001.

Greg Herrmann 406901563IA



4510 Airport Rd. Cincinnati OH 45226 (513) 321-1200



N1640C Date: 7/24/2012 Airframe Hobbs: 2760.5 Flight: 538.6

1. Installed Avidyne Sensor interface unit (siu) p/n 40800 s/n 143 for emax instrumentation. Functional checks normal.

Greg Herrmann 406901563IA



4510 Airport Rd.
Cincinnati OH 45226
(513) 321-1200



N1640C S/N: 0579 Date: 8/7/2012 Airframe Hobbs: 2779.6 Flight: 553.2 AFTT: 2628.9

1. Removed defective MCU 120 p/n 16600-001 s/n 00478. Installed new MCU 120 p/n 16600-001 s/n 00823.
2. Installed new remote elt switch battery p/n 2CR11108.

Greg Herrmann 406901563IA



4510 Airport Rd. Cincinnati OH 45226 (513) 321-1200



N1640C Date: 8/17/2012 Airframe Hobbs: 2502.0 Flight: 570.1

1. Installed new nose wheel pant brackets p/n 11799-003.

Greg Herrmann 406901563IA

AIRWORK

ITEM
AFFECTED

Avionics, Inc.
Hangar #2, Lunken Airport
Cincinnati, OH 45226

Make and Model Cirrus SR22 N1640C
S/N 0579
WO# 120824-1

Removed STec 55X autopilot controller, PN 01192-34-61T-30, SN 0737-12747 and installed STec 55X autopilot controller, PN 01192-34-61T-30, SN 1209-15330. Ground test good. Flight 578.00. (end)


CRS DD1R082K

Date 8/24/12

RECORD

SIGNATURE
CERTIFICATE NO.



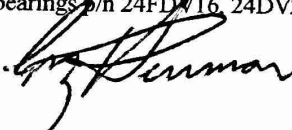
4510 Airport Rd. Cincinnati OH 45226 (513) 321-1200



N1640C Date: 9/10/2012 Airframe Hobbs: 2824.5 Flight: 587.4

1. Installed new left main tire Goodyear FLS II p/n 301-249-438 and tube p/n 097-500-0. Cleaned and greased wheel bearings. Spin checks good.
2. Installed new right strobe light p/n 36-0050705-00. Functional tests normal.
3. Installed new #2 batteries 50979-001.
4. Installed new nose gear fork bearings p/n 24FDW16, 24DV24 and castle nut p/n MS17826-8.

Greg Herrmann 406901563IA





4510 Airport Rd.
Cincinnati OH 45226
(513) 321-1200



N1640C S/N: 0579 Date: 9/26/2012 Airframe Hobbs: 2723.6 Flight: 604.0 AFTT: 2682.9

I certify that I have inspected this aircraft I/A/W an Annual inspection per Cirrus SR22 AMM rev. B1 dated 31 May 2011 Chapter 5-20 and determined it to be airworthy for return to service. The following work was accomplished at this time:

1. Serviced all lubrication items as needed.
2. Resealed copilot door window using semkit sealant p/n PR1452B12.
3. Installed new l/h brake linings p/n 066-10500.

Airworthiness directives

All AD's current as of this date.

Service Bulletins

SB 2X-32-19 R2 accomplished at this time. Nose landing gear assembly inspection and reinforcement.
Inspected for cracks. None found.

I certify that this airframe has been inspected and repaired in accordance with current regulations of the FAA and is approved for return to service.

Greg Herrmann 406901563IA



4510 Airport Rd.
Cincinnati OH 45226
(513) 321-1200



N1640C Date: 12/21/2012 Engine Hobbs: 2897.1 Flight: 644.2 TSMOH: 644.2

1. Accomplished SB 2X-77-04 MAP / Oil Pressure sensor replacement by installation of kit p/n 70264-002.
Operational tests good.

Greg Herrmann 406901563IA

A.D./BULL. NUMBER	ITEM AFFECTED	DATE & HRS. AT COMP.	METHOD OF COMPLIANCE	TYPE C 1 TIME/
----------------------	------------------	-------------------------	-------------------------	-------------------

TYPE C
1 TIME/



Hobbs :2998.6

1. Removed parachute assy. p/n 15046-002, s/n 882 and rocket assy. p/n 15047-001, s/n 00918. Installed rebuilt parachute assy. p/n 25337-001, s/n B1124 from CDC under po# 4500193394 (Cof C). Installed new rocket assy. p/n 26601-001, s/n 1361 from CDC under po# 4500193394 (C of C). Installed new CAPS cover from Cirrus CAPS-KIT-S as per Cirrus ANMM chap 95-01-01. Installed using 55g Epon 862, 6g Heloxy 68, 8.8g Epicure, 4.7g Aerosil and 5.3g Sil-Cell. Performed heated cure method for 1hr at 140 F. All above work done i.a.w. Cirrus CAPS Maint. Manual #95-01-01 rev. C, chapter 95-01-01, p. 10, para 2 through chapter 95-01-01, p. 20, para s. Parachute due 04/09/2033. Rocket due 04/09/23. Line cutters due ().
2. Painted caps cover replacement area with F3975 primer, Delftest FBC 5.0, and F3930 clear coat. Applied two new caps placards Cirrus p/n 12430-001.
3. C/W SB 2X-95-13 "CAPS strap abrasion" per SB instructions. NFA.

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details of the repair are on file at this agency.

-END

Signature: _____

for CRS# IKB028F

Hangar #2, Lunken Airport
Cincinnati, OH 45226

Removed and replaced encoder (P/N A-30 S/N 36609) with new (P/N A-30 S/N 130064) and tested I.A.W ACK A-30 M.M and ops checks are good at this time. Hobbs 3043.4 Tach 0758.6

Date 7/2/13

George Bety

AUTHORIZED SIGNATURE
CERTIFICATE NO.



4510 Airport Rd.
Cincinnati OH 45226
(513) 321-1200



N1640C S/N: 0579 Date: 8/13/2013 Airframe Hobbs:3060.9 Flight:772.1 TSMOH:772.1

1. Removed defective MCU 120 p/n 16600-001 s/n 00823. Installed overhauled MCU 120 p/n 16600-001 s/n 00949.
2. Installed new main battery p/n RG24-15M s/n 40597656.
3. Run-up and operational tests good.

Greg Herrmann 406901563IA

Avionics, Inc.
Hangar #2, Lunken Airport
Cincinnati, OH 45226

Make and Model N1640C
S/N 0579
WO# 130717-2

Removed and replaced transponder with serviceable unit (P/N 011-00490-00 S/N 83702090) and performed integration check I.A.W FAR 43 Appendix E Paragraph © as required by 91.411 and all check are good at this time. Hobbs 3050.8 Tach 0764.1

CRS DDIR/82K

Date 07/17/13

Avionics, Inc. Hangar #2, Lunken Airport Cincinnati, OH 45226	Make and Model N1640C S/N 0579 WO# 130809-2
--	--

ETIN COMPLIANCE RECORD

EXT COMP. /HRS./CYCLE	AUTHORIZED SIGNATURE CERTIFICATE NO.

Removed autopilot and had it repaired, reinstalled repaired unit and tested I.A.W S-TEC 55 M.M and ops check is good at this time.

Tach 0791.9 Hobbs 3086.3

Greg Herrmann

Date 09/05/13

CRS DD1R082K



4510 Airport Rd.
Cincinnati OH 45226
(513) 321-1200



N1640C S/N: 0579 Date: 9/16/2013 Airframe Hobbs: 3103.4 Flight: 805.0 AFTT: 2883.5

I certify that I have inspected this aircraft I/A/W an **Annual** inspection per Cirrus SR22 AMM rev. B1 dated 31 May 2011 Chapter 5-20 and determined it to be airworthy for return to service. The following work was accomplished at this time:

1. Serviced all lubrication items as needed.
2. Installed new right main tire p/n 156E66-4. Spin checks good.
3. Installed new l/h main gear fairing bracket p/n 17205-001.
4. Installed new r/h main gear fairing bracket p/n 17205-002.
5. Installed 2 new landing light shock mounts p/n 14502-003.
6. Installed new HVAC linkage p/n 12111-003.

Airworthiness directives

All AD's current as of this date.

Service Bulletins

SB 2X-32-19 R2 accomplished at this time. Nose landing gear assembly inspection and reinforcement Inspected for cracks. None found.

I certify that this airframe has been inspected and repaired in accordance with current regulations of the FAA and is approved for return to service.

Greg Herrmann 406901563IA

Greg Herrmann

Avionics, Inc.
Hangar #2, Lunken Airport
Cincinnati, OH 45226

Make and Model N1640C
S/N 0597
WO# 130927-1

HECKS

Performed 2 year certification I.A.W
Leak Check I.A.W FAR 43 Appendix E Paragraph (a) as required by 91.411
Certification I.A.W FAR 43 Appendix E Paragraph (b) as required by 91.411
Integration I.A.W FAR 43 Appendix E Paragraph © as required by 91.411
XPDR Cert I.A.W FAR 43 Appendix F as required by 91.413
And all checks are good at this time, Hobbs 3116.3 Flight 0814.9

G. M. M. M.
CRS DD1R082K

Date 09/27/13

RECHECK REQUIRED	APPROVED BY: AGENCY CERT. NO.

Avionics, Inc. Altimeter S/N 431424

DD1R082K

N 1640C

Altitude Ft.	Altimeter Reads	Altitude Ft.	Altimeter reads
-1000	-1010	14000	13970
0	-10	16000	15980
500	500	18000	17980
1000	1000	20000	
2000	1990	22000	
3000	2980	25000	
4000	3980	30000	
6000	5970	35000	
8000	7970	40000	
10000	9950	45000	
12000	11960	50000	

Signed:
G. M. M. M.
GA

Date: 09/27/13

For Avionics, Inc.

FAA Repair Station DD1R082K

Altimeter S/N 22531264

DD1R082K

N 1640C

Altitude Ft.	Altimeter Reads	Altitude Ft.	Altimeter reads
-1000	-1000	14000	14000
0	-10	16000	16010
500	490	18000	18010
1000	1000	20000	
2000	1990	22000	
3000	2980	25000	
4000	3980	30000	
6000	5970	35000	
8000	7980	40000	
10000	9980	45000	
12000	11990	50000	

Signed:

Date:

6. May 1952

09/27/13

For Avionics, Inc.

FAA Repair Station DD1R082K

Registration #N

1640C

Performed altimeter(s), static system and altitude reporting equipment tests as required by FAA Part 91.411 IAW FAR 43, Appendix E.

Altimeter(s) and Static System Test Date: 9/27/2013

LH S/N 22531264 RH S/N 431424

Encoder S/N 83889 Tested to: 18000 ft

Performed ATC transponder tests and Inspections as required by FAA part 91.413 IAW FAR 43 Appendix F.

#1 Transponder Model	GTX-327	S/N	83713774
----------------------	---------	-----	----------

#2 Transponder Model S/N

Signed:

Date:

Emerson

09/27/13

For Avionics, Inc.

FAA Repair Station DD1R082K



4510 Airport Rd.
Cincinnati OH 45226
(513) 321-1200



N1640C S/N: 0579 Date: 10/10/2013 Airframe Hobbs:3143.2 Flight:838.0 TTAF:2916.9

1. Removed defective MCU 120 p/n 16600-001 s/n 00949. Installed overhauled MCU 120 p/n 16600-001 s/n 00394.
2. Run-up and operational tests good.

Greg Herrmann 406901563IA



4510 Airport Rd. Cincinnati OH 45226 (513) 321-1200



N1640C S/N: 0579 Date: 12/20/2013 Airframe Hobbs: 3191.3 Flight: 871.9

1. Installed new seat foam p/n 13133-G2-SCS and seat covers p/n 20907-G2-SCS to crew seats

Greg Herrmann 406901563IA

RADIO & ELECTRONIC CHECKS

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



4510 Airport Rd.
Cincinnati OH 45226
(513) 321-1200



N1640C S/N: 0579 Date: 5/5/2014 Airframe Hobbs: 3339.8 Flight: 998.3 AFTT: 3076.8

I certify that I have inspected this aircraft I/A/W an Annual inspection per Cirrus SR22 AMM rev. B1 dated 31 May 2011 Chapter 5-20 and determined it to be airworthy for return to service. The following work was accomplished at this time:

1. Serviced all lubrication items as needed.
2. Installed new left main tire p/n 156E61-3. Spin checks good.
3. Installed new l/h and right hand brake disks p/n RA164-01501.
4. Installed new nose gear fairing bracket p/n 11799-003.
5. Installed new o-rings in brake calipers p/n MS28775-222 and blue and yellow temp stickers p/n 51698-001 and 51545-001.
6. Installed new nose landing gear thrust washer p/n 50545-001.

Airworthiness directives

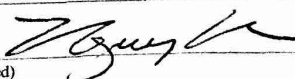
All AD's current as of this date.

Service Bulletins

SB 2X-32-19 R2 accomplished at this time. Nose landing gear assembly inspection and reinforcement.
Inspected for cracks. None found.

I certify that this airframe has been inspected and repaired in accordance with current regulations of the FAA and is approved for return to service.

Greg Herrmann 406901563IA

1. Approving National Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG				3. System Tracking Ref. No. RMA 64887510	
4. Organization: GARMIN International 1200 E 151st Olathe, KS 66062 Certificate No. G6XR582Y						5. Work Order Contract/Invoice Number: RMA 64887510	
6. Item: 1.	7. Description: GTX327	8. Part Number: 011-00490-00	9. Eligibility: * N/A	10. Quantity: 1	11. Serial/Batch Number: 83719417	12. Status/Work: REPAIRED	
<p>13. REMARKS: Confirmed the return issue. Repaired TX board to correct the return issue. Replaced Front panel Lens for cosmetic. Confirmed all applicable hardware modifications are installed. Updated software to the latest version. Unit passes all tests and is operating within normal limits. OK to return to Service.</p> <p>This unit complies with this Service Bulletin 0809. It is the responsibility of the Installer to verify that the installation complies with the previous listed Service Bulletins. If this unit is part of a dual unit installation Garmin recommends that both units have the same software levels. It is the responsibility of the installer to assess installation compatibility.</p> <p>This "Certifies that the work specified in block 12/13 was carried out in accordance with EASA Part-145 and in respect to that work the component is ready for release to service under EASA Part-145 Approval Number: EASA.145.5534". The work that was performed on this unit was done to meet the requirements of all sections of the maintenance manual part number 190-00364-00 Rev- AH, Revision Date 9/30/2013.</p> <p>Thank You for Choosing Garmin! If you have any questions or concerns please do not hesitate to contact our customer service department at 1-800-800-1020. Please view Garmin's web site at www.garmin.com for any update or product information.</p>							
All repaired or replaced GARMIN units have a 90-day warranty or the continuation of the original factory warranty from the original purchase date, whichever is longer.							
14. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in condition for safe operation <input type="checkbox"/> Non-approved design data specified in block 13				19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> Other regulations specified in Block 13 Certifies that unless otherwise specified in block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
15. Authorized Signature N / A		16. Approval/Authorization No.: N / A		20. Authorized Signature:  Tu Nguyen		21. Approval/Certificate No.: G6XR582Y	
17. Name (Typed or Printed) N / A		18. Date (m/d/y) N / A		22. Name (Typed or Printed) Tu Nguyen		23. Date (m/d/y) Feb 03 2014	
User/Installer Responsibilities							
<p>It is important to understand that the existence of this Document alone does not automatically constitute authority to install the part/component/assembly.</p> <p>Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the Airworthiness Authority of the country specified in block 1.</p> <p>Statements in block 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.</p>							

DATE



4510 Airport Rd. Cincinnati OH 45226 (513) 321-1200



N1640C S/N: 0579 Date: 5/19/2014 Airframe Hobbs: 3349.1 Flight: 1006.2

1. Refinished all wheel pants and fairings using PPG Concept #92813 per AMM51-30.

Greg Herrmann 406901563IA



4510 Airport Rd.
Cincinnati OH 45226
(513) 321-1200



N1640C S/N: 0579 Date: 5/23/2014 Airframe Hobbs: 3351.9 Flight: 1008.1

1. Installed new #4 egt probe p/n 16579-002.
2. Run-up and operational tests good.

Greg Herrmann 406901563IA

RADIO & ELECTRONIC CHECKS

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



4510 Airport Rd.
Cincinnati OH 45226
(513) 321-1200



N1640C S/N: 0579 Date: 8/28/2014 Airframe Hobbs: 3463.8 Flight: 1099.1 AFTT: 3177.0

I certify that I have inspected this aircraft I/A/W an **Annual** inspection per Cirrus SR22 AMM rev. B1 dated 31 May 2011 Chapter 5-20 and determined it to be airworthy for return to service. The following work was accomplished at this time:

1. Serviced all lubrication items as needed.
2. Installed new nose tire p/n 070-312-0 and tube p/n 092-308-0. Spin checks good.
3. Installed new l/h and right hand brake disks p/n RA164-01501.
4. Installed new #2 batteries p/n 50979-001.
5. Resealed pilot door window using sealant p/n CS3247B1-2.
6. Installed new left aileron gap seal p/n 14390-003.

Airworthiness directives

All AD's current as of this date.

Service Bulletins

SB 2X-32-19 R2 accomplished at this time. Nose landing gear assembly inspection and reinforcement Inspected for cracks. None found.

I certify that this airframe has been inspected and repaired in accordance with current regulations of the FAA and is approved for return to service.

Greg Herrmann 406901563IA

RADIO & ELECTRONIC CHECKS

DATE



4510 Airport Rd.
Cincinnati OH 45226
(513) 321-1200



N1640C S/N: 0579 Date: 12/30/2014 Airframe Hobbs:3539.5 Flight:1159.9

1. Installed new current sensor p/n 14604-002 in MCU for Alt 1 indicator.
2. Run-up and operational tests good.

Greg Herrmann 406901563IA



4510 Airport Rd.
Cincinnati OH 45226
(513) 321-1200



N1640C S/N: 0579 Date: 1/21/2015 Airframe Hobbs: 3548.6 Flight: 1166.4

1. Installed aft tie down p/n 16678-001.
2. Install new oil pressure transducer p/n 12635-004.

Greg Herrmann 406901563IA

RADIO & ELECTRONIC CHECKS

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



4510 Airport Rd.
Cincinnati OH 45226
(513) 321-1200



N1640C S/N: 0579 Date: 3/31/2015 Airframe Hobbs: 3588.6 Flight: 1199.2 AFTT: 3277.1

I certify that I have inspected this aircraft I/A/W an **Annual** inspection per Cirrus SR22 AMM rev. B1 dated 31 May 2011 Chapter 5-20 and determined it to be airworthy for return to service. The following work was accomplished at this time:

1. Serviced all lubrication items as needed.
2. Installed new nose tire p/n 070-312-0 and tube p/n 092-308-0. Spin checks good.
3. Installed all new brake linings p/n 006-10500.
4. C/W elt inspection per FAR 91.207d battery due Sept 2015

Airworthiness directives

All AD's current as of this date.

Service Bulletins

SB 2X-32-19 R2 accomplished at this time. Nose landing gear assembly inspection and reinforcement.
Inspected for cracks. None found.

I certify that this airframe has been inspected and repaired in accordance with current regulations of the FAA and is approved for return to service.

Greg Herrmann 406901563IA

RADIO & ELECTR

DATE	TOTAL	EQUIPMENT	TYPE OF	EI
------	-------	-----------	---------	----

Registration #N 1640C

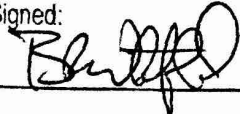
Performed altimeter(s). static system and altitude reporting equipment tests as required by FAA Part 91.411 IAW FAR 43. Appendix E.

Altimeter(s) and Static System Test Date: 7/2/2015
 LH S/N 22531264 RH S/N 431424
 Encoder S/N 130064 Tested to: 20,000 ft

Performed ATC transponder tests and Inspections as required by FAA part 91.413 IAW FAR 43 Appendix F.

#1 Transponder Model GTX-327 S/N 83702090

#2 Transponder Model N/A S/N N/A

Signed:  Date: 7-2-15

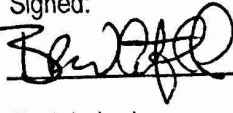
For Avionics, Inc. FAA Repair Station DD1R082K

FedEx 146525 Rev. 02/09 RR00 14 : : : :

Avionics, Inc. Altimeter S/N 431424

DD1R082K N 1640C

Altitude Ft.	Altimeter Reads	Altitude Ft.	Altimeter reads
1000	-1010	14000	13970
0	-10	16000	15970
500	500	18000	17980
1000	1000	20000	19980
2000	1990	22000	
3000	2980	25000	
4000	3980	30000	
6000	5980	35000	
8000	7970	40000	
10000	9970	45000	
12000	11970	50000	

Signed:  Date: 7-2-15

For Avionics, Inc. FAA Repair Station DD1R082K

For Avionics, Inc. FAA Repair Station DD1R082K

CHECKED BY:

NO.

Avionics, Inc.

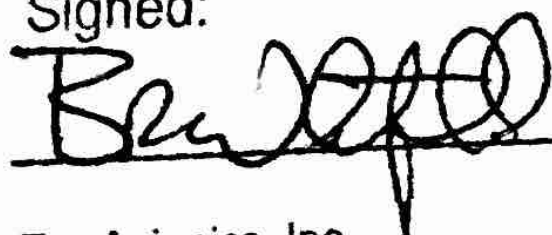
Altimeter S/N 22531264

DD1R082K

N 1640C

Altitude Ft.	Altimeter Reads	Altitude Ft.	Altimeter reads
1000	-1000	14000	13990
0	-10	16000	15980
500	490	18000	17980
1000	1000	20000	19980
2000	1990	22000	
3000	2990	25000	
4000	3990	30000	
6000	5970	35000	
8000	7980	40000	
10000	9980	45000	
12000	11990	50000	

Signed:



Date:

7-2-15

For Avionics, Inc.

FAA Repair Station DD1R082K

RADIO & ELECTRONIC CHECKS

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



4510 Airport Rd.
Cincinnati OH 45226
(513) 321-1200



N1640C S/N: 0579 Date: 4/1/2016 Airframe Hobbs: 3735.7 Flight: 1324.1 AFTT: 3402.0

I certify that I have inspected this aircraft I/A/W an **Annual** inspection per Cirrus SR22 AMM rev. B1 dated 31 May 2011 Chapter 5-20 and determined it to be airworthy for return to service. The following work was accomplished at this time:

1. Serviced all lubrication items as needed.
2. Installed new left main tire p/n 156E66-4. Spin checks good.
3. Resealed TKS panel trailing edges.
4. Installed all new brake linings p/n 006-10500.
5. Installed new nose fork spindle bushings p/n 50544-001 and 50543-001.
6. Installed new nose gear attach bushings p/n 14929-001, 13705-004, 13705-001 and bolts p/n NAS6608D25.
7. Installed new power lever bushings p/n NAS77-10-013.
8. Installed new cockpit fire extinguisher p/n A344T.
9. Installed new ELT batteries p/n MN1300.
10. C/W elt inspection per FAR 91.207d battery due April 2018

Airworthiness directives

All AD's current as of this date.

Service Bulletins

SB 2X-32-19 R2 accomplished at this time. Nose landing gear assembly inspection and reinforcement.
Inspected for cracks. None found.

I certify that this airframe has been inspected and repaired in accordance with current regulations of the FAA and is approved for return to service.

Greg Herrmann 406901563IA

MAINTENANCE RECORD F.A.R. 43.9



4510 Airport Rd.
Cincinnati OH 45226
(513) 321-1200



N1640C S/N: 0579 Date: 4/5/2016 Airframe Hobbs: 3746.0 Flight: 1332.6

1. Resealed wing fuel tank access panels using AC 350 sealant. Leak checks good.
2. Installed new #6 CHT probe p/n 14830-003

Greg Herrmann 4069015631A



4510 Airport Rd.
Cincinnati OH 45226
(513) 321-1200



N1640C S/N: 0579 Date: 4/4/2017 Airframe Hobbs: 3817.7 Flight: 1393.4 AFTT: 3471.3

I certify that I have inspected this aircraft I/A/W an **Annual** inspection per Cirrus SR22 AMM rev. B1 dated 31 May 2011 Chapter 5-20 and determined it to be airworthy for return to service. The following work was accomplished at this time:

1. Serviced all lubrication items as needed.
2. Installed new flap rod ends p/n 11314-004.
3. Installed new right recognition light socket p/n 02-0350260-00, lens p/n 08-4250066-30 and bulb p/n 34-0428070-64.
4. Installed overhauled electric boost pump p/n 11839-001S s/n 2854.
5. Repaired oil service door hinge.
6. Installed new left wheel pant bracket p/n 13522-001.
7. Installed new o-rings in both calipers p/n MS28775-222 and over temp stickers p/n 51698-001 and 51698-003.
8. Installed new rudder aileron interconnect bungee p/n 12983-001.
9. Installed new left aileron gap seal p/n 14390-003.
10. Installed new door gas strut rod ends p/n 21845-002.
11. C/W elt inspection per FAR 91.207d **battery due April 2018**

Airworthiness directives

All AD's current as of this date.

Service Bulletins

SB 2X-32-19 R2 accomplished at this time. Nose landing gear assembly inspection and reinforcement.

Inspected for cracks. None found.

SB2x-28-12R1 accomplished Electric fuel pump inspection.

SB2X-52-08R2 accomplished at this time. Catcher /Diverter and gas strut rod end replacement.

I certify that this airframe has been inspected and repaired in accordance with current regulations of the FAA and is approved for return to service.

Greg Herrmann 4069015631A

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

AIRCRAFT TIME IN SERVICE		DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USE		AGENCY & CERTIFICATE NO.		SERVICE
2460 Greentree Rd. Lebanon, Ohio 45036 FAA Repair Sta. #8WCR657C		Date: <u>7-13-2018</u> W.O. No.: <u>50680</u> Tech: <u>[Signature]</u> A/C Reg. No.: <u>N1640C64C</u>		W.O. NO.: <u>50680</u> Tech: <u>[Signature]</u> A/C Reg. No.: <u>N1640C</u>		
Altimeter Correction Card S/N: <u>225312641</u> <u>Aviolyd</u>				Altimeter Correction Card S/N: <u>431424</u> <u>unit</u>		
Alt	Error	Alt	Error	Alt	Error	
-1000	+20	10,000	-20	-1000	+20	
0	-10	12,000	-60	0	0	
500	-20	14,000	-70	500	-5	
1,000	-20	16,000	-90	1,000	-10	
1,500	-20	18,000	-60	1,500	-5	
2,000	-20	20,000	-70	2,000	0	
3,000	-20	22,000	7	3,000	0	
4,000	0	25,000	7	4,000	0	
6,000	-20	30,000	7	6,000	-10	
8,000	-20	35,000	7	8,000	-20	

4-13-2018 Cirrus N1640C

This is to certify that the Altimeter and static system test required by 14 CFR 91.411 and as outlined in 14 CFR 43 Appendices E&F has been performed. The Altimeter was tested to 20,000.

This is to certify that the Altimeter and static system test required by 14 CFR 91.411 and as outlined in 14 CFR 43 Appendices E&F has been performed. The Altimeter was tested to 20,000.

This is to certify that the ATC Transponder model GTX-327 S/N 83702090, Installed in this aircraft, meets the FAA test as required by 14 CFR 91.413 and as outline in 14 CFR 43 appendix F.

This is to certify that the correspondence test as required by 91.413 has been performed in accordance with the procedures outlined in 14 CFR 43 appendix E Paragraph C. ACK 4:30 PM 130064

For details see Work Order 50680

Signed [Signature]

Warren County Avionics
2460 Greentree Road
Lebanon, Ohio 45036
CRS#8WCR657C

MAINTENANCE RECORD



4510 Airport Rd.
Cincinnati OH 45226
(513) 321-1200



N1640C S/N: 0579 Date: 4/19/2018 Airframe Hobbs: 3900.4 Flight: 1464.4 AFTT: 3542.3

I certify that I have inspected this aircraft I/A/W an **Annual** inspection per Cirrus SR22 AMM rev. B1 dated 31 May 2011 Chapter 5-20 and determined it to be airworthy for return to service. The following work was accomplished at this time:

1. Serviced 50hr, 100hr and 200hr lubrication items.
2. Installed new left and right aileron gap seals p/n 14390-003.
3. Installed new pilots trim switch p/n 50360-001.
4. Installed new #2 batteries p/n 50979-001.
5. Installed new front seat track assemblies p/n 12490-009 and 12490-010.
6. Installed new left wheel pant bracket p/n 17205-002.
7. Installed new o-rings in both calipers p/n MS28775-222 and over temp stickers p/n 51698-001 and 51698-003.
8. Installed new rudder aileron interconnect bungee p/n 12983-001.
9. Installed new #2 alternator p/n BC410-1 s/n 1C81D0N22K.
10. Refinished top cowling and installed all new stainless 4000 series camlocs.
11. Resealed loose cabin windows.
12. Installed new ELT batteries p/n MN-1300.
13. C/W elt inspection per FAR 91.207d **battery due April 2020**

Airworthiness directives

All AD's current as of this date.

Service Bulletins

SB 2X-32-19 R2 accomplished at this time. Nose landing gear assembly inspection and reinforcement
Inspected for cracks. None found.

I certify that this airframe has been inspected and repaired in accordance with current regulations of the FAA and is approved for return to service.

Greg Herrmann 406901563IA