

N297CD

CLOSED

**AIRCRAFT LOG**  
**AF5-1**



# AIRCRAFT DESCRIPTION

MANUFACTURER Cirrus Design MODEL SR20 DATE OF MFG. 9/2002  
SERIAL NUMBER 1232 REGISTRATION NUMBER N297CD

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 \_\_\_\_\_  
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\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Inspection Status

[Check one]

F.A.R. 91.409 ANNUAL/100 HOUR

F.A.R. 91.409 PROGRESSIVE

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

OTHER

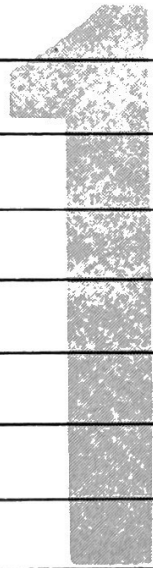
DATE ENTERED \_\_\_\_\_

MAINTENANCE RESPONSIBILITY

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# INSTALLED EQUIPMENT

ITEM	MANUFACTURER	MODEL	SERIAL NO.
ENGINE	Teledyne Continental	IO360ES6B	R 357535
ENGINE			L
PROPELLER	Hartzel Propeller inc.	BHC-524F-1	R
PROPELLER		BF/F7694	L
ENGINE			
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PROPELLER			



# LIFE LIMITED PARTS OR OVERHAUL REQUIREMENTS

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.
<b>Life Limited Parts SR20</b>							
<b>PART NAME</b>	<b>PART NUMBER</b>	<b>S/N</b>	<b>EXPIRES</b>				
CAPS Rocket Motor	15047-001	2/2568	07/2012				
CAPS Parachute	15046-001	00232	05/2012				
CAPS Reefing Line Cutters	25547-002	10179/10266	03/2008 <del>04/2005</del>				
ELT Batteries	MN1300	Date Installed	08/2002	03/2008			
Turn Coordinator/Roll Computer Batteries	MN1604	Date Installed	9/2002	9/2003			

## Life Limited Parts SR20-1232

Part Name	Part Number	Serial Number	Expires
CAPS Rocket Motor	26601-001	990	9/2022
CAPS Parachute	15046-001S	00245	9/2022
CAPS Reefing Line Cutters	25547-002	10179/10266	11/2022
ELT Batteries	MN1300		2/2025
Turn and Bank Batteries	MN1604		3/2019



# AIRWORTHINESS DIRECTIVE / FACTORY BULLETIN COMPLIANCE RECORD

A.D./BULL. NUMBER	ITEM AFFECTED	DATE & HRS. AT COMP.	METHOD OF COMPLIANCE	TYPE OF A.D. 1 TIME/RECUR.	NEXT COMP. DATE/HRS./CYCLE	AUTHORIZED SIGNATURE CERTIFICATE NO.
		9/6/02 S.O.KES	Searched AD's through bi-weekly issue <u>2002-17</u> . All AD's are in compliance at this time.			<div style="display: flex; justify-content: space-between;"> <span style="font-size: 1.2em; font-family: cursive;">Daniel J Hill</span> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; text-align: center; width: 40px;">                     MFG 219                 </div> </div>

**SILVERHAWK AVIATION INC. Lincoln, NE**

Date: 10-09-02 W.O. 02-6669 N297CD Tach: 31.7

C/W S.B. 20-27-06 by installing improved nut P/N MS21044N3 on yaw and roll trim cartridge. Adjusted left aft baggage door striker.

END

The aircraft and or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is Approved for return to service as airworthy.

Pertinent details of the repair are on file at this agency under work order No. 02-6669 Date 10-9-02

Signed [Signature] For,  
 Silverhawk Aviation CRS# YQSR759U  
 Lincoln, NE 68524








# ALTIMETER & STATIC SYSTEM CHECKS

N#- 297CD Date- 7/10/07

Kings Avionics, Inc. Station # TF2R185L

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

Signature Peter D Coules Repairman # 2629904

Hobbs/Tac \_\_\_\_\_ W.O. # 63129/62634/62635

Action: Recertified GTX327, Encoder + Alt.

Static Leak check OK. Integration check OK.

Software upgrade from ver 2.02 to 2.09

CHECK REQUIRED	APPROVED BY: AGENCY CERT. NO

Registration # 297CD

I certify that the following equipment and associated pitot/static systems were tested as required by FAR 91.411, FAR 43, Appendix E, FAR 23.1325, FAR 25.1325 and/or specific RVSM requirements found in \_\_\_\_\_

Pilot's Altimeter	Model # <u>United</u>	S/N # <u>427438</u>
Co-Pilot's Altimeter	_____	_____
STDBY Altimeter	_____	_____
Remote Encoder/ADC	<u>A-30</u>	<u>8044B</u>
RVSM Compliance	_____	_____ if applicable

MAX Test Altitude to 20,000 ft. Date 7/10/07

Signature: Peter D Coules Certificate # 2629904

FAA Repair Station : TF2R185L Kings Avionics, Inc.

KAForm-003

Registration # 297CD

I certify that the following transponder and altitude reporting system was tested as required by FAR 91.413 as per the instructions in FAR 43 appendix F.

Transponder Model # GTX 327 S/N 83710623

Signature Peter D Coules Date 7/10/07

Certificate No. 2629904 for Kings Avionics, Inc.

FAA Repair Station TF2R185L

KA-Form-009



# ALTIMETER SCALE CORRECTION CARD

Aircraft No. \_\_\_\_\_

N-297CD

Altimeter S/N: \_\_\_\_\_

427438

## SCALE CORRECTIONS

For	Read
-1000	-990
0	+10
500	510
1000	1010
1500	1510
2000	2010
3000	3010
4000	4020
6000	6010
8000	8010
10000	10020
12000	12030

For	Read
14000	14040
16000	16050
18000	18080
20000	20100
22000	
25000	
30000	
35000	
40000	
45000	
50000	

Tested By \_\_\_\_\_

Jerry E. Kelly  
2587433

Date \_\_\_\_\_

10-JULY-07

WO# \_\_\_\_\_

62635

**Kings Avionics, Inc. R/S# TF2R185L**

















# MAINTENANCE RECORD

## F.A.R. 43.9

**SILVERHAWK AVIATION INC. Lincoln, NE**

Date: 11-2-04 W.O. 04-9311 N297CD Tach: 234.1

C/W S.B. 2X-28-02 by installation of improved fuel selector extension shaft assembly P/N 70066-101. C/W S.B. 2X-28-03 by installing fuel valve shaft sleeve P/N 70097-101. C/W S.B. 2X-25-06R1 by replacement of seat recline lock mechanism P/N 13249-003 on both crew seats. C/W S.B. A2X-25-08 by adjustment of crew seat break over bolt. C/W S.B. 2X-27-08R1 by installing SK 70067-001. C/W S.B. 2X-32-08R1 by inspection of brakes lines and installing anti-chafe spacer kit P/N 16180-001, also installed new left brake line because of chafing which exceeded 10%, bled brakes and system function checked good. S.B. 2X-34-08 DNA to this aircraft. C/W S.B. 2X-80-01 by removing starter P/N 655566D24 S/N 021650037 and installing starter P/N 656181B24V S/N 042380050 and relocated battery cable and Adel clamp. C/W S.B. 2X-95-08 by correcting Caps reefing line cutter replacement entry to 03/2008.

END

The aircraft and or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is Approved for return to service as airworthy.

Pertinent details of the repair are on file at this agency under work order No. 04-9311

Date 11-2-04

Signed  For,  
Silverhawk Aviation CRS# YQSR759U  
Lincoln, NE 68524

**Silverhawk Aviation Inc. Lincoln, NE**

Date 11/2/2004 WO:04-9326 297CD Tach 234.3

Troubleshoot autopilot not tracking GPS. Confered with Cirrus & determined the rate Gyro malfunction. Customer defered repair.

This aircraft and or component above was repaired and inspected in accordance with the current Federal Aviation Administration Regulations and is approved and returned to service and airworthy. Pertinrnt details of the repair are on file at this agency under work order:

WO 04-9326 Date 11/2/2004 Signed 

Silverhawk Aviation CRS # YQSR759U  
Lincoln NE 68524

# MAINTENANCE RECORD

## F.A.R. 43.9

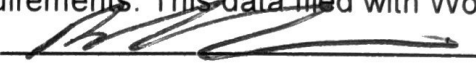
**Silverhawk Aviation Inc. Lincoln, NE**

Date 10/26/2004 WO:04-9326 297CD Tach 234.3

D/  
COM

ERVIC

Altimeter, Transponder, and Altitude Reporting Equipment tested in compliance with FAR 91.411, FAR 91.413, Part 43, Appendix F.

Static System certified per FAR 23.1325. All systems meet requirements. This data filed with WorkOrder# 04-9326 at Repair Station #YQSR759U Date 10/26/2004 Signature 

This aircraft and or component above was repaired and inspected in accordance with the current Federal Aviation Administration Regulations and is approved and returned to service and airworthy. Pertinrnt details of the repair are on file at this agency under work order:

WO 04-9326 Date 10/26/2004 Signed 

Silverhawk Aviation CRS # YQSR759U  
Lincoln NE 68524

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SILVERHAWK AVIATION INC. Lincoln, NE

Date: 11-02-2004 W.O. 04-9287 N297CD Tach: 234.1  
ACTT : 234.1 ETT: 234.1 ETSOH: 234.1 PTT: 234.1 PSTOH: 234.1

Completed Annual inspection IAW Cirrus Design Inspection checklist. Installed new vacuum regulator filter P/N B3-5-1. Installed new left main wheel bearings and races P/N 13889 and 13836. C/W S.B. 2X-25-05R1 by installing AM-Safe seat belt buckle plugs kit P/N 70064-102. C/W S.B. 2X-55-10 by installing horizontal stab inspection hole close out kit P/N 70070-001. C/W S.B. 2X-95-07 by installation of CAPS placard @ fuselage station 222. Adjusted elevator cable tension to obtain proper tension per the maintenance manual. Installed new turn coordinator batteries with P/N MN1604, next due March 2009. Stop drilled crack in forward right engine baffle. Installed new bracket air filter P/N BA-24. Installed new right gear fairing cuff v-clip with P/N 12976-101. Removed and replaced bad well nuts as needed on the left and right upper strut fairings P/N 50803-001 and 80002-001. Installed new left inboard flap track fairing. Reinstalled left strut cuff nut plate. Re-sealed left and right inboard lower wing root fairings. Inspected nose wheel rubbing sound on landing gear to nose strut fairing hinge rubbing on nose wheel fairing. Contoured fairing to prevent further rubbing. Troubleshoot intermittent CHT indicator to poorly crimped pins on the wire from the firewall connector to the instrument connector, re-crimped pins and re-checked good.

END

Tach/Hr Meter 234.1 Total Time 234.1

I certify this (aircraft) (engine) (propeller) has been inspected in accordance with a/an ANNUAL inspection as per FAR 91.409 A and was determined to be in an airworthy condition.

Dated 11-2-04 W.O. 04-9287 Signed SC ZC  
Silverhawk Aviation CRS # YQSR759U  
Lincoln, NE 68524


DA  
COMF

# Silverhawk Aviation Inc. Lincoln, NE

Date 11/5/2004 WO:04-9345 297CD Tach 234.3

Troubleshoot autopilot not tracking GPS. Removed Turn coordinator and replaced with new unit. System checks good a this time.

P/N: 01260-4-8-28 S/N: 3118D OFF S/N: 3627D ON

This aircraft and or component above was repaired and inspected in accordance with the current Federal Aviation Administration Regulations and is approved and returned to service and airworthy. Pertinrnt details of the repair are on file at this agency under work order.

WO 04-9345 Date 11/5/2004 Signed 

Silverhawk Aviation CRS # YQSR759U  
Lincoln NE 68524

SO#	06-10797	<b>SILVERHAWK AVIATION INC.</b>			DATE	03/07/06
REG.	N297CD	<b>Lincoln Municipal Airport [LNK]</b>			TACH	335.1
MAKE	Cirrus					
MODEL	SR20	SERIAL NO.	1232			

1. Complied with SB 2X-57-05R1 "Aileron hinge gap and bearing inspection."
  - a. Installed Cirrus kit P/N 70105-001.
2. Complied with SB 2X-25-07R4 "Inertial harness"
  - a. Installed Cirrus kit P/N 70076-001-8013.
3. Complied with SB 2X-28-04-R1 "Fuel line chafing."
  - a. Installed Cirrus kit P/N 70133-001.
4. Complied with SB 2X-32-14 "Brake Indicator"
  - a. Installed Cirrus kit P/N 70144-001.
5. Complied with SB 2X-57-06R1 "Flap hinge fairing."
  - a. Installed Cirrus kit P/N 16738-101.

The work identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is Approved for return to service as airworthy.

Pertinent details of the repair are on file at this agency under work order No. 06-10797

Date 03/07/06

Signed  For,  
Silverhawk Aviation Inc. CRS# YQSR759U  
Lincoln, NE 68524



# MAINTENANCE RECORD

## F.A.R. 43.9

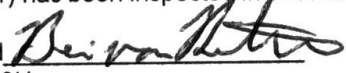
DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
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<b>SO#</b>	06-10787	<b>SILVERHAWK JET CENTER</b>			<b>DATE</b>	03/08/06
<b>REG.</b>	N297CD	<b>Lincoln Municipal Airport [LNK]</b>			<b>ACTT</b>	334.8
<b>MAKE</b>	Cirrus	<b>MODEL</b>	SR20		<b>HOUR</b>	334.8
		<b>SERIAL NO.</b>	1232			

1. Compled with an Annual inspection IAW Cirrus Design SR20 Maintenance Manual checklist.
2. Complied with ELT inspection IAW CFR14 91.207 para. D sec. 1-4.
3. Installed new ELT batteries (8ea.) P/N MN1300. (Batteries due replacement Mar. 2012).
4. Installed new alternator mounting bracket P/N 654358.
5. Installed new L/H aft navigation light bulb P/N 34-0428070-64.
6. Installed new L/H nose landing gear upper bumper P/N 14020-001.
7. Secured drain line under center console.
8. Installed new mixture control rod end P/N 11314-003.
9. Installed new propeller control rod end at governor P/N 11314-003.
10. Installed new propeller control cable anchorage clip P/N 11669-003.
11. Installed new anti-chafe tape to flaps P/N 51168-002.
12. Rebonded both strut fairing nutplates.
13. Installed new nose strut seal P/N 14529-001.
14. Installed new overhead dome light bulb P/N 50608-001.
15. Installed new R/H and L/H brake linings P/N 066-14100.
16. Installed new grommet on L/H VOR antenna on vertical stab.
17. Installed convolute tube on fuel boost pump wiring to prevent chafing.
18. Installed new adel clamp on fuel pump drain line P/N MS21919.
19. Installed new adel clamp on #6 intake tube P/N MS21919DG27.
20. Installed new ring terminals on both mag p-leads.
21. Installed new step tread to both entry steps P/N 12683-006
22. Performed compass swing and installed new compass card.

Main Compass Card			
HDG	COR	HDG	COR
0	0	210	0
30	-2	240	-1
60	-1	270	-2
90	0	300	-1
120	0	330	-2
150	-1	360	0
180	-1	XXXXXXXXXXXXXXXXXX	
<b>A/C</b>		<b>297CD</b>	
<b>SilverHawk Jet Center</b>			

I certify this (aircraft) (engine) (propeller) has been inspected in accordance with a/an Annual inspection as per FAR 91.409 (a)(1) and was determined to be in an airworthy condition.

Dated 03/08/06 W.O. 06-10787 Signed   
 Silverhawk Jet Center CRS # YQSR759U  
 Lincoln, NE 68524

# MAINTENANCE RECORD

## F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
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SO#	06-10854	<b>SILVERHAWK JET CENTER</b>			DATE	03/09/06
REG.	297CD	<b>Lincoln Municipal Airport [LNK]</b>			TACH	336.1
MAKE	CIRRUS					
MODEL	SR20	SERIAL NO.	1232			

1. C/W 12 month Turn and Battery standby replacement P/N MN1604.
2. Installed new vacuum regulator filter P/N B3-5-1.
3. Installed new induction air filter P/N BA24.
4. Installed new instrument air filter P/N AAD9-18-1.
5. C/W SB 2X-25-17 by installing SK 70130-001, crew seat pin replacement.

The work identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is Approved for return to service as airworthy.

Pertinent details of the repair are on file at this agency under work order No. 06-10854 Date 3-9-06

Signed [Signature] For  
 Silverhawk Aviation Inc. CRS# YQSR759U  
 Lincoln, NE 68524

### STRATUS AVIATION MAINTENANCE

Clay County Regional Airport 13106 Rhodus Road Excelsior Springs MO 64024  
 This constitutes an official maintenance record per 14 CFR 43.9 & 43.11.

**AIRFRAME S/N: 1232**

Reg. No.	Date	Hr Meter
N297CD	6/28/2007	395.9

This Aircraft has been inspected for it's intended flight from GPH to IXD under a special airworthiness Cert and is approved for this flight.

File name: **M**

Inspector signature A&P 3201708

[Signature]

Richard E. Anderson



# MAINTENANCE RECORD

## F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
7-17-2007	ACTT: 397.7	Hobbs: 397.1	N297CD Airframe Log
<p>Completed an Annual inspection in accordance with Cirrus Design AMM Chapter 5-20 Scheduled Maintenance Checks. Replaced the following items with new; engine induction air filter, vacuum central and relief filters, landing light shock mounts 2 ea., nose gear rebound bumpers 2 ea., R/H and L/H main tires and balanced, pilot co-pilot and baggage door locks, turn and bank batteries, OAT battery, CHT probe.</p> <p>Performed the following maintenance; Secured several items in the engine compartment. Performed annual inspection of the vacuum manifold valve. No defects noted. Retorque the flap and elevator control torque tube bolts. Reset the nose gear fork tension to 25 lbs. Cleaned and glued the lower R/H and L/H wing root fairing back down using CS-3204 B2. Removed the nose wheel pant brackets and inspected for damage. Reinstalled using loctite 271 torque the bolts and installed safety. Inspected the ELT IAW FAR 91.207(d). No defects noted. Battery date 3-08.</p> <p>Complied with the following; Cirrus Service Bulletin <b>2X-27-14R2</b> by inspecting controls for proper rig and replacing rudder/aileron interconnect hardware with hardware called out by the bulletin. Cirrus <b>SB 2X-52-04R2</b> by installing kit P/N 70151-001. Cirrus <b>SB 2X-78-07</b> by inspecting and pressure testing the exhaust system. No defects noted. Cirrus <b>SB 2X-95-09R1</b> by installing kit P/N 70142-001. Cirrus <b>SB A2X-95-10R2</b> by inspecting the rocket pick up collar for damage and installed kit P/N 70181-002. Rocket S/N 00568. Replacement date 7-2012. <b>AD 2002-21-02</b> by inspecting for proper compliance of <b>SB 20-27-06</b> (PCW 10-9-02). Found correct nut to be installed on rudder cartridge and roll trim cartridge was replaced with new during compliance with <b>SB 2X-27-08R1</b> (PCW 11-2-04). <b>AD 2006-07-06</b> by inspecting for proper compliance of <b>SB 2X-28-04R1</b> (PCW 3-7-06). Installed spiral wrap around fuel lines and found</p>			
<p>cont →</p>			

# MAINTENANCE RECORD


## F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED OR APPROVED TO SERVICE
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kit P/N 70133-001 to be installed. AD 2006-19-10 by inspecting for proper compliance of SB 2X-25-06R1 (PCW 11-2-04) and SB 2X-25-17 (PCW 3-8-06). Found kits P/N 13249-003 and 70130-001 to be properly installed. AD 2006-21-03 by inspecting for proper compliance with SB 2X-32-14R1 (PCW 3-7-06). Installed new SR-20 POH revision A7 in the aircraft. Modified the wheel pants IAW the measurements listed in the SB. Replaced R/H and L/H brake caliper O-rings with new and bled the brakes. Installed the brake lining wear gauge on the key chain. Kit P/N 70144-001 previously installed 3-7-06.

I certify that this aircraft has been inspected in accordance with an Annual Inspection and is determined to be in airworthy condition. See W.O. 19826 for details.

ELT battery due: 3-2008  
IFR cert due: 7-2009

  
Anthony D. Stanton  
Executive Beechcraft Inc.  
280 Gardner Drive  
New Century, Kansas 66031  
CRS YEBR071L

### STRATUS AVIATION MAINTENANCE

Midwest National Air Center 13106 Rhodus Road Excelsior Springs MO 64024

This constitutes an official maintenance record per 14 CFR 43.9 & 43.11.

**AIRFRAME S/N: 1232**

Reg. No.	Date	Hr Meter
N297CD	9/21/2007	410.6

1) Installed new tach generator p/n 12323-001

File name: 2007-9M70

Inspector signature A&P 3201708





Richard E. Anderson





# INSPECTION RECORD

## F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
06 SEPT 02	8.0	<p>Production Flight Test accomplished in accordance with Cirrus Procedure #90500.</p> <p>Name: Andy Black Date: <u>06 SEPT 02</u></p> <p>Signature: </p> <p>Title: Production Flight Test Pilot</p>
9/6/02	8.0	<p>I find that the aircraft meets the requirements for the certification requested and have issued a Standard Airworthiness Certificate dated <u>09 / 06 / 02</u>.</p> <p>The next inspection is due <u>09 / 30 / 03</u>.</p> <p></p> <p>Jeffrey K. Holter DMIR410073CE</p>



# STRATUS AVIATION MAINTENANCE

Midwest National Air Center 13106 Rhodus Road Excelsior Springs MO 64024

**This constitutes an official maintenance record per FAR 43.9 & 43.11.**

**AIRFRAME S/N: 1232**

Reg. No.	Date	Tach	A/C TT
N297CD	11/1/2008	442	442

- 1) Completed 12 month items:
  - a. 14 CFR 91.207 ELT inspection battery due date 11/2013.
  - b. Turn Coordinator/Roll Computer emergency batteries
- 2) Completed 12-month/100-hours items:
  - a. Replaced the vacuum regulator filter P/N AAD9-18-1.
- 3) Completed 5-year items:
  - a. Replaced the 4) Gascolator seals P/N MS29513-137, NAS1523-8B.
  - b. Replaced the Aileron-Rudder interconnect shock cord P/N 12983-001.
  - c. Replaced the ELT batteries
- 4) Completed 12-month/500-hour items:
  - a. Replaced Instrument air filter element P/N AAD9-18-1.
- 5) Completed 6-year items:
  - a. Replacement of Cirrus Airframe Parachute System (CAPS) Reefing Line Cutters, installed service kit 12020 Lot # TOS08G003-054
- 6) Completed 200-hour items:
  - a. Replaced induction air filter P/N Brackett BA24.
- 7) Repairs Completed:
  - a. Removed RH flap drilled out loose rivets along the spar and replace with pull rivets wet with structure adhesive.
  - b. Fabricated doublers and installed on the RH forward engine baffling, also replaced loose riveters on the LH side.
  - c. Completed welded repair on the LH exhaust riser slip joint coupling bracket.

SERVICE

INSPECTION RECORD

8) Completed the following Airworthiness Directives:

- a. **AD 2008-03-16** dated 03/11/2008 Modification to the rudder aileron interconnect system as outlined in **SB 2X-27-14 Rev 3** dated 10/10/2007. Completed part (e) of the AD by completed **SB 2X-27-14 Rev 3** dated Oct 10/2007 installed field service kit 70197-001.
- b. **AD2008-11-18** dated 07/07/2008 inspection of the exhaust system. Completed part (e)(1) pressurization inspection of the exhaust system **Next time due 542.hours.**

SERVICE

I certify that this **AIRCRAFT** has been inspected in accordance with an "**ANNUAL**" inspection and was determined to be in airworthy condition. File name: **2008 - 10 - 235**  
Inspector Signature *Richard E. Anderson* **A&P 3201708 IA**

**Richard E. Anderson**

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## INSPECTION RECORD

F.A.R. 43.11-91.409

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

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
3-19-2010	Hobbs shows 472.0 hrs	ELT checked per FAR 91.207 par "D" found in serviceable condition. Next due 4-1-2011. Replaced ELT batteries. New batteries dated Mar 2010. Replaced tach gen with new assy SN 1915 Inspected aircraft using Cirrus insp form as a guide. AD <sup>S</sup> CK'd thru 2010-5 New-AD summary given to owner
I certify that this aircraft was inspected in accordance with an Annual inspection and was determined to be in Airworthy condition at this time and date.		

Charles J Wirt I.A. ATP 1714 637

# Higginsville Avionics Lab

FAA Certified Repair Station #SK2R164L

**Aircraft**  
**Cirrus SR 20**

**N Number**  
**N297CD**

**Current Tach/Hobbs**  
**0475.7**

Date: April 8, 2010

Refer to WO # 27564

I certify that Transponder

Model GTX 327

s/n 83710623

installed in this aircraft has been tested and inspected and found to comply with requirements of F.A.R. 91.413. The altimeter, static system and encoder tests required by F.A.R. 91.411 have been performed. I certify the transponder, altimeter and encoder were tested to altitudes indicated and are approved for return to service.

Signed:



Insp. # 2584537

Test Altitude Feet	Altimeter Scale Error	Encoder Transition Point	Test Altitude Feet	Altimeter Scale Error	Encoder Transition Point
-1000	+20	-970	22000	-	-
0	0	-60	25000	-	-
500	+10	460	30000	-	-
1000	0	950	35000	-	-
1500	0	1460			
2000	0	1960			
3000	0	2960			
4000	0	3970			
6000	0	5970			
8000	0	7960			
10000	0	9980			
12000	0	11970			
14000	+20	13980			
16000	+30	15990			
18000	+40	18000			
20000	+80	20010			

**Altimeter**

United  
5934PD-3  
427438  
0

OK

+30

+30

0

Manufacturer  
Model #  
Serial Number  
Leak Test

Friction Test

Hysteresis #1

Hysteresis #2

After Effect Test

**Encoder**

ACK  
A-30  
80443

Valid only when properly inserted in aircraft logbook.



## INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
5-16-2011	Hobbs shows 507.4 hrs	<p>Inspected aircraft using Cirrus MM Chapter 5-20 scheduled maint check as a guide. Replaced T+B indicator batteries. Duracell MN1604 Batteries dated Mar 2015. (Next replacement due 6-1-2012) Replaced CAT/clock battery with Duracell MN1500 battery dated Mar 2017. Next due 6-1-2013 per MM. Replaced ELT remote control battery with new Duracell PX28L battery. Next due 6-1-2013 per ACK. ELT checked per FAR 91.207 par "D" found in serviceable condition. Next due 6-1-2012. ELT Batteries dated Mar 2016. Installed new landing light support mounts PN 14502-003. Replaced landing light lens. Serviced brake reservoir. Serviced AC batteries. AD's CK'd thru 2011-10. Updated AD listing.</p> <p>I certify that this Aircraft has been inspected in accordance with an Annual inspection and was determined to be in Airworthy condition at this time and date</p> <p>Charles J Wirt T.A. A4P 1714637</p>

# INSPECTION RECORD

F.A.R. 43.11-91.409

KIND OF INSPECTION - STATUS & DISCREPANCY LIST

SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

AIRCRAFT TIME  
IN SERVICE

DATE

3-26-2012 Hobbs shows 536.4 hrs  
Replaced starter relay PN X61-0012 and master  
relay PN X61-0007. Replaced aircraft battery with  
new Bill G-243 battery SN G 02701900

Charles J Wirt A+P 1714637

49



# INSPECTION RECORD

## F.A.R. 43.11-91.409

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

DATE

AIRCRAFT TIME  
IN SERVICE

5-29-2012 Hobbs shows 544.2 hrs

Replaced turn & bank standby batteries. Replaced  
OAT/clock battery. Replaced landing light supports.

Replaced R & L Brake linings. ELT checked per FAR 91.207  
par "D". Found to be in servicable condition. Next due

8-1-2013. AD's CK'd thru 2012-12 AD summary updated

I certify that this Aircraft has been inspected in  
accordance with an Annual inspection and was  
determined to be in Airworthy condition at this  
time and date

Charles J Wirt FAA ATP 1714637



MAKE: Cirrus  
MODEL: SR20  
S/N: 1232  
REG. NO: N297CD  
WORK ORDER: 588

www.weststaraviation.com  
532 Beechcraft Ave  
Chesterfield, MO 63005  
Tel.636-681-5600

DATE: 10.1.2012  
A/C TSN: 551.4  
HOBBS: 551.4

**Completed the Following Maintenance**

- Removed CAPS enclosure cover, removed CAPS rocket; P/N 15047-001, S/N 00568, removed CAPS parachute assembly; P/N 15046-001, S/N 0232 and removed line cutters, P/N 26707-001 to be reused on replacement parachute assembly. Removed adhesive from enclosure cut out. Trimmed to fit replacement CAPS cover, P/N 20091-001. Assembled rocket motor and installed rocket shield and shelf. Installed overhauled parachute assembly; P/N 15046-001S, S/N 00245 and installed original line cutters. Installed new rocket assembly; P/N 26601-001, S/N 990. Installed replacement CAPS cover, P/N 20091-001 and painted. All work performed IAW Cirrus SR20 CMM CAPS 95-01-01. **Parachute expires Sept. 2022.**
- Complied with Cirrus **Service Bulletin 2X-95-13 "CAPS Strap and Grommet Installation"** Original Issue dated November 30, 2010 by installation of grommet material, MS21266-1N and MS21266-6N.

**"I certify that this Airframe has been inspected or repaired in accordance with current FAA Regulations, and is Approved for Return to Service with respect to the work performed "**  
Pertinent details on file at this repair station under above noted work order.

Signed: 

**Joe Parson**, Inspector for West Star Aviation, Inc. for CRS PAZR068H & EASA.145.5079

4-12-2013 Tech shows 597.1 hrs  
 Alternator removed for repairs by Aircraft Accessories Inc  
 Re installed  
 Charles J. Wiest A&P 1714637

## INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
8-20-2013	Hobbs shows 605.4 hrs	
		Replaced standby batteries MN 1604 Next due 9-1-2014
		Replaced clock battery MN 1500. Next due 9-1-2014
		Replaced ELT remote switch battery. Next due 9-1-2015 <sup>PX 286</sup>
		Replaced ELT batteries MN 1300. Next due Oct 2018
		Checked ELT per FAR 91.207 par D. found in serviceable condition. Next due 9-1-2014. Serviced brake hyd reservoir. Checked and serviced AC battery. AD's CK'd thru 2013-16
		I certify that this Aircraft has been inspected in accordance with an Annual inspection and was determined to be in Airworthy condition at this time and date
		Charles J. Wirt I.A. ATP 1714637



# INSPECTION RECORD

## F.A.R. 43.11-91.409

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

AIRCRAFT TIME  
IN SERVICE

DATE

2013

### *Higginsville Avionics Lab*

FAA Certified Repair Station #SK2R164L

Aircraft

N Number

**CIRRUS SR20**

**N297CD**

Current Tach/Hobbs

Work Order

**607.1**

**28394**

I certify that Transponder Model **GTX 327**

s/n **83710623** installed in this aircraft has been tested and inspected and found to comply with requirements of F.A.R. 91.413.

Date: **September 4, 2013**

Signed:



**2584537**

Valid only when properly inserted in logbook

4-12-2014 Hobbs shows 648.6 hrs

Replaced starter relay Lumar PN X61-0031 (alternate to original PN)  
Charles J. West ATP 1714637



# Higginsville Avionics Lab

FAA Certified Repair Station #SK2R164L

**Aircraft**  
**Cirrus SR20**

**N Number**  
**N297CD**

**Current Tach/Hobbs**  
**0609.3**

Date: September 10, 2013

Refer to WO # 28402 28394

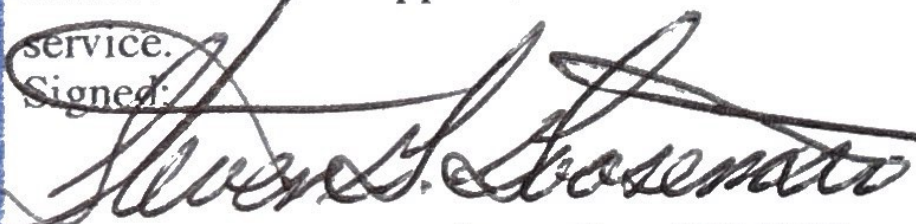
I certify that Transponder

Model GTX 327

s/n 83710623

installed in this aircraft has been tested and inspected and found to comply with requirements of F.A.R. 91.413. The altimeter, static system and encoder tests required by F.A.R. 91.411 have been performed. I certify the transponder, altimeter and encoder were tested to altitudes indicated and are approved for return to service.

Signed:



Insp. # 2584537

Test Altitude Feet	Altimeter Scale Error	Encoder Transition Point	Test Altitude Feet	Altimeter Scale Error	Encoder Transition Point
-1000	+20	-1000	22000	-	-
0	0	-80	25000	-	-
500	+10	440	30000	-	-
1000	0	930	35000	-	-
1500	+10	1440			
2000	+10	1940			
3000	0	2940			
4000	0	3940			
6000	0	5940			
8000	0	7930			
10000	0	9940			
12000	+10	11940			
14000	+10	13940			
16000	+20	15950			
18000	+50	17950			
20000	+80	19960			

Altimeter	Encoder
United	Manufacturer
5934D-3	Model #
427438	Serial Number
0	Leak Test
OK	Friction Test
+20	Hysteresis #1
+20	Hysteresis #2
+10	After Effect Test

Valid only when properly inserted in aircraft logbook.

## INSPECTION RECORD

F.A.R. 43.11-91.409

KIND OF INSPECTION - STATUS &amp; DISCREPANCY LIST

SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

DATE	AIRCRAFT TIME IN SERVICE	INSPECTION DETAILS
9-18-2014	Hobbs shows 674.8 hrs	Replaced OBT / clock battery. Replaced turn and bank standby batteries. Replaced R+L brake linings. ELT checked per FAR 91.207 par "D" found in serviceable condition. Next due 10-1-2015. Secured landing light tip mount support. Serviced brake reservoir CK'S AO'S through 2014-17
I certify that this Aircraft has been inspected in accordance with an Annual inspection and was determined to be in Airworthy condition at this time and date		
Charles J Weir I.A. ATP 1714637		

11-26-2015	Hobbs shows 700.00 hrs	Replaced lower shock mounts on landing light Assy Repaired broken wire on alternator field wire
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Charles J Weir ATP 1714637



## INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
2.12-1-2015	2015	Hubbs shows 756.8 hrs
		AD 2008-11-18 CW per 3B 2X-78-07R1. No defects found
		next due at 850.8 hrs. ELT checked per FAR 91.207 found
		OK for service. Next due 1-1-2017. Changed Clock/OAT
		battery. next due 1-1-2017 Changed standby batteries.
		Next due 1-1-2017 Changed ELT remote control battery
		next due 1-1-2021. Serviced PC battery AD's CK'd
		thru 2015-22. AD Summary revised
		I certify that this Aircraft has been inspected
		in accordance with an Annual inspection and was
		determined to be in Airworthy condition at this
		time and date
		Charles J Wirt I.A. ATP 1714637

# INSPECTION RECORD

F.A.R. 43.11-91.409

KIND OF INSPECTION - STATUS & DISCREPANCY LIST

SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

DATE  
AIRCRAFT TIME  
IN SERVICE

Hobbs shows 765.2 hrs

Tach meter removed for repairs, Repaired by  
Dallas Instruments. Cert # VE1R555K Wo# 82475

Reinstalled and op checked normal PN ST 2035-04001

SN 268(H)

Charles J. Wirt ATP 1714637

# Higginsville Avionics Lab

FAA Certified Repair Station #SK2R164L

**Aircraft**  
**Cirrus SR20**

**N Number**  
**N297CD**

**Current Tach/Hobbs**  
**779.1**

**Date:** April 28, 2016

Refer to WO # 29073  
I certify that Transponder  
Model GTX 327  
s/n 83710623

installed in this aircraft has been tested and inspected and found to comply with requirements of F.A.R. 91.413. The altimeter, static system and encoder tests required by F.A.R. 91.411 have been performed. I certify the transponder, altimeter and encoder were tested to altitudes indicated and are approved for return to service.

Signed:



Insp. # 2584737

Val'd onl when

inserted in aircraft I book.

Test Altitude Feet	Altimeter Scale Error	Encoder Transition Point	Test Altitude Feet	Altimeter Scale Error	Encoder Transition Point
-1000	+20	-940	22000	-	-
0	20	-40	25000	-	-
500	20	470	30000	-	-
1000	20	980	35000	-	-
1500	20	1480			
2000	20	1970			
3000	20	2970			
4000	10	5970			
6000	10	5970			
8000	10	7970			
10000	20	9970			
12000	20	11980			
14000	40	13970			
16000	50	15970			
18000	80	17970			
20000	80	20000			

<b>Altimeter</b>	<b>Encoder</b>
United	Manufacturer
5934D-3	Model #
427438	Serial Number
0	Leak Test
OK	Friction Test
+20	Hysteresis #1
+10	Hysteresis #2
0	After Effect Test



# Higginsville Avionics Lab

FAA Certified Repair Station #SK2R164L

Aircraft

**Cirrus SR20**

N Number

**N297CD**

Tach/Hobbs

**800**

Date: 6/29/2016 I certify that the following equipment was installed in this aircraft according to current manufacturers specifications and AC-43.13-1B/2B.

Removed GNS 430. Sent units to factory for WAAS. Added additional wiring, reinstalled units & replaced GPS antenna with GA35 IAW with form 337 dated 6/29/2016. Updated Equipment list. No weight change.

All work was inspected and tested by  2584737  
Insp. for HAL. FAA Repair Station #SK2R164L. Refer to WO # **29096**

Valid onl when ro rl inserted in l book



**Autopilots Central, Inc.**

3112 North 74th East Avenue  
Hangar 23, Tulsa International Airport - Tulsa, OK 74115  
(918)836-6418 - Fax (918)832-0136  
FAA CRS CM2R747K  
Logbook Entry

Sold To: Dan Haug  
430 Dickinson Ln.  
Kansas City, MO 64119

Work Order: **MA16-05331**  
Acct Number: 816-718-0225

Opened: 11/01/2016  
Closed: 2/01/2017

<b>Aircraft Number:</b> N297CD		<b>Type:</b> CIRRUS SR20		<b>S/N:</b> 1232	
Total Time:		Hobbs Time: 823.3		Tach Time:	
LG Cycles:					
<b>Eng#</b>	<b>Type</b>	<b>S/N</b>	<b>Time</b>	<b>Cycles</b>	<b>Prop Type</b>
1	IO-360-ES 6	357535	823.3		BHC-J2YF-1BF
					Prop S/N
					EF295B
					Prop Time
					823.3

**Discrepancy: 1**

**Problem:**

Order roll servo P/N:12546-003. SR20 s/n: 1232

**Action Taken:**

Removed original roll servo p/n 11796-002, s/n 0640. Installed new unit p/n 11796-006, s/n 1301 date code H1603. Checked and adjusted roll trim travels left at 5.7 and right at 5.8 should be 6 +/-1 degree. Ground and flight test OK.

Part Number	Description	Credit	Quantity	Units	Unit Price	Extended
12546-003S	Roll Trim Motor		1.00	Each		\$
	S/N: 1301					
	Freight		1.00			\$

**Discrepancy: 2**

**Problem:**

Annual inspection is due.

**Action Taken:**

N297CD SR20, s/n 1232, Hobbs/Flight 823.3 Annual Inspection  
Inspected this aircraft using the Cirrus annual inspection form. Researched the AD notes on the airframe, engine, propeller and appliances. Researched the mandatory service bulletins on this aircraft. Reviewed the FAA Type Certificate #A00009CH, Rev. 20 dated 06/27/2016 for required equipment. Complied with 91.207(d) ELT test, ACK model E-01, s/n 042564. ELT batteries next due 1/31/2025. CAPS rocket motor and parachute due 10/31/2022. Reefing line cutters due 11/2022. Clock battery next due 1/31/2019. Turn & Bank batteries next due 1/31/2019. IFR Certifications next due 4/30/2018. Annual inspection next due 12/30/2018.

I certify this aircraft has been inspected in accordance with an annual inspection and determined to be in airworthy condition on this date.

W/O MA16-05331

Date: 2/1/2017

Flight / Hobbs: 823.3

Signature: 

Autopilots Central, Inc.  
Tulsa, OK.  
FAA CRS: CM2R747K

**Discrepancy: 3**

**Problem:**

Airframe inspection and special inspections

**Action Taken:**

Adjusted aileron interconnect bungee and secured per sb 2X-27-14R3. Checked electric fuel pump per sb 2X-28-12R1, installed new pump p/n 5217-00-1R, s/n 0165. Checked sb2X-32-18R1 NLG gusset inspection. Checked RPM using electronic RPM checker and found Indicator is indicating 100 RPM high. Accomplished battery capacity test at 65%. Installed new copilots sun visor. Installed flight control kit p/n70124-001. Installed (5) new NLG pucks. Installed and adjusted new NLG axle and bolt. Installed new landing light lens. Installed new NLG wheel pant attach brackets. Removed, cleaned, reinstalled using new sealant right hand inboard wing fuel panel. Installed new ELT batteries and

**Autopilots Central, Inc.**  
3112 North 74th East Avenue

tested. Installed new clock battery and T&B battery. Reassembled pilots drink holder. Rotated main landing gear tires. Installed new brake linings on right hand brake calipers. Checked wing fuel cap resistance: Left =14.8, right = 10.7 max. 100 ohms. Installed new CAPS reefing line cutters p/n 211512, dated 11/2016, s/n's 10179 and 10266. Line cutters next due 6 years in 11/2022. Installed missing cowl chaff tape on lower cowl. Installed new oil placard on engine cowling oil door. Replaced (3) missing screws that attach instrument panel to bolster panel with serviceable.

Part Number	Description	Credit	Quantity	Units	Unit Price	Extended
066-14100	Lining		4.00	Each		\$
10024-003	Axle, Nose Landing Gear		1.00	Each		\$
105-00200	Rivet, Brake		12.00	Each		\$
11799-004	Pant Bracket, NLG		2.00	Each		\$
11879-006	Puck, Nose Landing Gear		5.00	Each		\$
12428-004	Placard, Oil Drain		1.00	Each		\$
12698-003	Sunvisor, RH		1.00	Each		\$
	Freight		1.00			\$
14526-003	Lens, Landing Light, SR20		1.00	Each		\$
25347-002	Kit, Line Cutter Replacement		1.00	Each		\$
70124-001	Kit, Flight Control		1.00	Each		\$
AN310-6	Nut		1.00	Each		\$
AN6-72	Bolt		1.00	Each		\$
D436-36	Enviro Splice, Red		3.00	Each		\$
M674	Gasket		12.00	Each		\$
MS29513-08	O-Ring		1.00	Each		\$
MS29513-137	O-Ring		1.00	Each		\$
NAS1523-8B	Stat-O-Seal		1.00	Each		\$

**Discrepancy: 4**

**Problem:**

Engine 100 hour / annual inspection

**Action Taken:**

N297CD SR20, s/n 1232, Hobbs/Flight 823.3 Annual / 100 Hour Inspection  
Inspected this Engine using the Cirrus / Continental annual / 100 hour inspection forms.  
Accomplished AD2008-11-18 by pressure checking and inspecting exhaust system. Removed and re-installed heat exchanger after repair. Removed, cut and inspected oil filter media for debris. Installed new oil filter. Cylinder compressions: #1=72, #2=68, #3=71, #4=68, #5=71, #6=70. Cleaned and gapped spark plugs, reinstalled using new gaskets. Check magneto to engine timing. Cleaned fuel filter. Replaced induction filter. Inspected and tested exhaust system. Adjusted idle speed and idle mixture. Ground run for operation and leak checks.

I certify this Engine has been inspected in accordance with an annual / 100 hour inspection and determined to be in airworthy condition on this date.

W/O MA16-05331

Date: 2/1/2017

Flight / Hobbs 823.3

Signature: *[Handwritten Signature]*

Autopilots Central, Inc.  
Tulsa, OK.  
FAA CRS: CM2R747K

Part Number	Description	Credit	Quantity	Units	Unit Price	Extended
5217-00-1R	Fuel Pump		1.00	Each		\$
	S/N: 0165					
AA48108-2	Oil Filter		1.00	Each		\$

RCRAFT TIME  
KIND OF INSPECTION  
OF FEDERAL APPROVING AD DISCAPPROVING AIRCRAFT FOR SERVICE



**Autopilots Central, Inc.**

3112 North 74th East Avenue

**Discrepancy: 5**

**Problem:**

Propeller 100 hour/ annual inspection.

**Action Taken:**

N297CD SR20, s/n 1232, Hobbs/Flight 823.3 Annual / 100 Hour Inspection  
Inspected this Propeller using the Cirrus / Hartzell annual / 100 hour inspection forms.  
Lubed hub and profiled blades.

I certify this propeller has been inspected in accordance with an annual / 100 hour inspection and determined to be in airworthy condition on this date.

W/O MA16-05331

Date: 2/1/2017

Flight / Hobbs: 823.3

Signature: *[Signature]*

Autopilots Central, Inc.  
Tulsa, OK.  
FAA CRS: CM2R747K

**Discrepancy: 6**

**Problem:**

GTX327 Transponder (011-00490-00) S/N: 83710623  
Sublet to Garmin - RMA # R92695299

**Action Taken:**

Description: Factory Repair  
Confirmed return issue. Repaired the CDU to resolve the return issue. Updated software to the latest version. Unit passes all tests and is operating within normal limits. OK to return to service.  
Performed By: Garmin International, Inc. PO #: PO17-17609

**Miscellaneous Charges:**

Misc Supplies: \$

**Totals:**

SubTotal: \$

Charges: \$

The articles and/or work hereon described is/are certified  
airworthy, (unless otherwise specified).

Autopilots Central, Inc.  
FAA CRS CM2R747K

Authorized Signature *[Signature]*

# INSPECTION RECORD

## F.A.R. 43.11-91.409

KIND OF INSPECTION - STATUS & DISCREPANCY LIST

SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

DATE  
AIRCRAFT TIME  
IN SERVICE

5-8-2017 N297CD Hobbs 882.2 W/O 23712 Airframe  
Installed new nose wheel tire (505C61-8) & tube (5.00x5),  
reinstalled nose wheel fairings. Installed new main tires  
(15x6-6TT) & tubes (15x6.00) greased wheel bearings.  
Torque & safety. Installed wheel fairings. Replaced ship  
battery with new Concord RG 24 11/15. SBO. Installed new RHM  
38E spark plugs and torque. Post run up and taxi good.

*Jeffrey A. Johnson*  
Jeffrey A. Johnson, MF2R003L Star Aero, Inc. 11669 Airport Rd.  
Higginsville, mo. 64037

8-31-2017 N297CD Tack 943.1 Airframe  
Removed old vaccum pump and installeld a new  
Rapco 215CC vaccum pump with new gasket & torque.

*Jessica A. Trimble*  
Jessica A. Trimble AP3846493, Warrensburg, Mo. 64093

# INSPECTION RECORD

## F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
10-8-2017	Hobbs 961.2	Replaced alternator control unit PN AC2110 OP'S OK normal SN P62405 (new)
		<i>Charles J West ATP 1714637</i>

### Higginsville Avionics LLC

FAA Certified Repair Station #SK2R164L

**Aircraft**

**Cirrus SR20**

**N Number**

**N297CD**

**Tach/Hobbs**

**966.9**

Date: 11/17/2017 I certify that the following equipment was installed in this aircraft according to current manufacturers specifications and AC-43.13-1B/2B.

Removed GTX 327 transponder. Installed GTX 345 transponder, Flightstream 210 and all necessary equipment and accessories IAW FAA Form 337 dated 11/21/17. Weight change negligible. Updated equipment list.

All work was inspected and tested by *[Signature]*  
Insp. for HAL. FAA Repair Station #SK2R164L. Refer to WO # 29752

2584737



# Higginsville Avionics LLC

FAA Certified Repair Station #SK2R164L

**Aircraft**

**Cirrus SR20**

**N Number**

**N297CD**

**Current Tach/Hobbs**

**966.9**

Date: **November 21, 2017**

Refer to WO # 29752

I certify that Transponder

Model GTX 345

s/n 3EG009179

installed in this aircraft has been tested and inspected and found to comply with requirements of F.A.R. 91.413. The altimeter, static system and encoder tests required by F.A.R. 91.411 have been performed. I certify the transponder, altimeter and encoder were tested to altitudes indicated and are approved for return to service.

Signed:



Insp. # **2584737**

Test Altitude Feet	Altimeter Scale Error	Encoder Transition Point	Test Altitude Feet	Altimeter Scale Error	Encoder Transition Point
-1000	0	-960	22000	-	-
0	0	-80	25000	-	-
500	0	440	30000	-	-
1000	10	920	35000	-	-
1500	0	1440			
2000	0	1930			
3000	10	2930			
4000	0	3960			
6000	10	5940			
8000	0	7940			
10000	0	9940			
12000	20	11940			
14000	30	13920			
16000	30	15940			
18000	60	17940			
20000	100	19980			

Altimeter	Encoder
United	Manufacturer
5934D-3	Model #
427438	Serial Number
0	Leak Test
ok	Friction Test
20	Hysteresis #1
10	Hysteresis #2
10	After Effect Test

Valid only when **rl** inserted in aircraft I book.







# INSPECTION RECORD

## F.A.R. 43.11-91.409

DATE

AIRCRAFT TIME  
IN SERVICE

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

MAKE: CIRRUS  
MODEL: SR20  
S/N: 1232  
REG. NO: N297CD  
WORK ORDER: 0291



**Mistwood Aviation Services, LLC.**

2404 Northline Ind. Blvd.  
Maryland Hts., MO 63043  
Phone: 314-991-6000

DATE: 27 March, 2018  
A/C TSN: 992.7  
TACH: 992.7

### Airframe Entries

Performed Log book and AD research, all AD's current per Triton Data Release 2018-04/-05.  
Performed Annual Inspection IAW Cirrus SR20 Airplane Maintenance Manual 12137-001 Reissue B June 2010, Rev B8 19 Sep 2017.  
Complied with 12 Month Inspection and Operational Check of ELT per FAR 91.207 (d) 1-4. Battery expiration date 1/31/2025.  
Installed new NLG rebound bumpers P/N 14020-001 IAW Cirrus SR20 AMM 32-20.  
Complied with AD 2008-11-18: Heat Exchanger Inspection by performing Cirrus Mandatory Service Bulletin 2X-78-07R1 Heat Exchanger Test and replaced heat exchanger and shroud, Cirrus kit 70201-001. Next inspection due 1092.7 or next Annual.  
Replaced vacuum air regulator and instrument air filters with new P/N 50118-002 and RAD9-18-1 IAW Cirrus SR20 AMM 37-10.  
Replaced left and right main landing gear strut bushings with new P/N 16937-002 IAW Cirrus SR20 AMM 32-10.  
Replaced left and right main landing gear strut solid brake lines, part numbers 14445-001 and 14445-002 and bled the brakes IAW Cirrus SR20 AMM 32-42.  
Replaced left and right main landing gear flexible brake hoses with new P/N 50555-096 IAW Cirrus SR20 AMM 32-42.  
Replaced fuel cap o-rings by installation of Cirrus kits 00-225-FPM75 IAW Cirrus SR20 AMM 28-10.  
Replaced left outboard aileron hinge bearing with new P/N MS27645-3A IAW Cirrus SR20 AMM 57-50.  
Replaced left and right brake rotors with new P/N RA164-24400 IAW Cleveland Wheels and Brakes CMM AWBCMM0001-12/USA.  
Replaced right flap, part number 16891-002 IAW Cirrus SR20 AMM 57-50.  
Replaced NLG rebound bumper bushings with new P/N 12937-001 IAW SR20 AMM 32-20.  
Replaced standby turn and bank 9V batteries IAW Cirrus SR20 AMM 24-30.  
Removed and installed right main landing gear strut to facilitate removal and installation of solid brake line IAW Cirrus SR20 AMM 32-10.

I certify this aircraft has been inspected in accordance with an Annual Inspection meeting the intent of 14 CFR 91.409 and Part 43 Appendix D and has been determined to be in an airworthy condition and is approved for return to service. Pertinent details of the inspection/repairs are on file at Mistwood Aviation Services under the above noted work order.

DATE: 27 March, 2018

SIGNED:

John Merriman, IA: 2787167

Work Order: 0291

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