



WISCONSIN AVIATION

Airframe Maintenance Log

Registration # N747AY

Manufacturer Cirrus

Model SR20

Serial # 1257

Log # 2

Dane County Regional Airport
3606 Corben Court
Madison, WI 53704
608-268-5000 ~ 800-594-5359

Watertown Municipal Airport
1714 River Drive
Watertown, WI 53094
920-261-4567 ~ 800-657-0761

WisconsinAviation.com

AIRFRAME MAINTENANCE RECORDS

Log No. 2

Aircraft Registration No. N747AY

Aircraft Mfg. Cirrus Model SR20 Serial No. 1257

Engine Mfg. Continental Model IO360-E56 Serial No. 357504

Engine Mfg. _____ Model _____ Serial No. _____

Propeller Mfg. Hartzell Model BHC-J2YF-1BE/F7694 Serial No. EE 312B

Hub Design No. _____ Hub Serial No. _____

Blade Design No. J78177 Blade Serial No's. J78009

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)



Date: 3/25/2013; Aircraft: N747AY; Type: CIRRUS SR20; S/N: 1257; Hobbs: 944.70; Total Time: 944.70; Engine - Type: IO-360-ES6, S/N: 357504, Time: 944.70; Prop - Type: BHC-J2YF-1BF, S/N: EF312B, Time: 944.70
Airframe Work

Completed an Annual inspection in accordance with FAR 43, Appendix D. Complied with AD 08-11-18 (7/7/08) SR20 heat exchanger pressure test and inspection, defects were repaired. Next Due: 1044.7 ACTT. Replaced ELT battery p/n MN1300. Next replacement due date 12/2022. Inspected and tested ELT in accordance with FAR 91.207(d), no defects noted. Inspected and tested ELT in accordance with FAR 91.207 (d), no defects noted, Next Due: 3/2014. Completed Inspection for Continued Airworthiness of GNS 400, no defects noted. Completed Inspection for Continued Airworthiness of Aspen EFD 1000. Advised owner of discrepancy's as follows; Internal battery stays on with power off and aircraft is below 30 knots. Internal battery failed capacitance test.

Replaced Turn Coordinator batteries. Replaced induction air filter BA-24 with new. Replaced instrument air filter p/n RAD9-18-1 with new. Replaced vacuum regulator filter p/n RAB3-5-1 with new. Inspected and weighed cabin fire extinguisher, no defects noted. Replaced OAT Clock battery. Performed compass swing check and completed correction card. Serviced new battery p/n G243, s/n G02759894 with acid and charged in accordance with Gill Activation and Service instructions. Installed battery in aircraft. Replaced right tire with new, p/n 156E66-4, s/n 22737584, and tube p/n 097-500-0. Cleaned, inspected and repacked wheel bearings. Reinstalled wheel and tire assembly. Replaced nose wheel thrust washer p/n 50545-001 with new. Replaced nose wheel washer p/n AN970-8 with new. Replaced nose gear fork bearings p/n 24FDU16 and p/n 50544-001 with new. Replaced all o-rings inside co-pilots right brake master cylinder with new o-rings p/n MS28775-006, MS28775-110, MS28775-113. Installed, serviced brake system with MIL-5606, bled brakes and ops checked good. Replaced right brake linings p/n 066-14100 with new. Replaced right brake caliper o-ring p/n MS28775-224 with new.

Replaced landing light lens p/n 14526-003 with new. Repaired cowling as needed, installed landing light support ring hardware and replaced isolators p/n 14502-003 with new. Replaced lower cowl nose strut seal p/n 14529-001 with new. Replaced top cowl oil door hinge p/n 10846-103 with new. Replaced top cowl oil door latches p/n 50701-002 with new. Replaced hose with proper length hose p/n MIL-H-5593-4. Replaced left and right main gear fairing upper brackets p/n 13522-001 with new. Removed, weld repaired and reinstalled right exhaust heat exchanger. Tightened and safetied elevators center hinges and elevator control rod end bolt. Fabricated and installed Aspen Avionics placards. Cleaned, treated, prepped and painted nose wheel.

I certify that this aircraft has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.

Doug Seibel
A&P389765035 IA

Doug Seibel IA389765035

Wisconsin Aviation - Madison
3606 Corben Court
Madison, WI 53704
608-268-5003



Wisconsin Aviation - Watertown
1741 River Drive
Watertown, WI 53094
920-261-4567

MAKE: Cirrus
MODEL: SR20
S/N: 1257
REG. NO: N747AY
WORK ORDER:
3008-08-2013

 **ADVANCED** Advanced Lancaster LP
530 Airport Rd.
Litz, PA 17543
Phone: 717-735-5179

DATE: 8/20/2013
A/C TSN: 1030.1
HOBBS: 1030.1

Airframe Entries

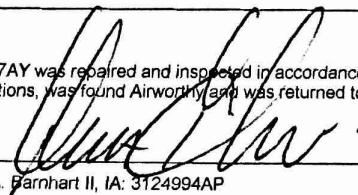
Removed and replaced the CAPS reefing line cutters with serial number 4892 and 4902, next due July 2019.... Temporarily installed screw and nut to secure the vacuum manifold.

Maintenance Release

The aircraft and/or component(s) on N747AY 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.

DATE: 8/20/2013

SIGNED:




Work Order: 3008-08-2013

Richard A. Barnhart II, IA: 3124994AP

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GARMIN[®]

FAA UNIT SERVICE REPORT

RMA NUMBER	UNIT NAME	SERIAL NUMBER	UNIT NUMBER
60404021	GNS430	97107986	011-00280-10
SERVICE START DATE	SERVICE COMPLETION DATE	RETURNED TO SERVICE BY	Service Request Number
9/23/2013	9/25/2013	900	

UNIT DISCREPANCY

Low battery message. Buttons intermittent & NAV Xfer inop. LOC off cal. GAS inop. COM squelch.

REPAIR SUMMARY

Confirmed the return issue. Repaired the CDU, replaced the Main board, and repaired the COM board to correct the return issues. Confirmed all applicable hardware modifications are installed. Updated software to the latest version. Aligned unit for optimum performance. Unit passes all tests and is operating within normal limits. Unit acquired satellites. OK to return to Service.

The Main and GPS softwares are at the latest revision. This unit complies with these Service Bulletins 0502, 0844, 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.

- This unit complies with MOD 1 per Garmin's Service Bulletin No. 0019*
- This unit complies with MOD 2 per Garmin's Service Bulletin No. 0101*
- This unit complies with MOD 3 per Garmin's Service Bulletin No. 0203B*
- This unit complies with MOD 4 per Garmin's Service Bulletin No. 0207*
- This unit complies with MOD 5 per Garmin's Service Bulletin No. 0211*
- This unit complies with MOD 7 per Garmin's Service Bulletin No. 0532 and 0608*

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- AG, Revision Date 8/23/2012.


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.

GARMIN
FAA UNIT
SERVICE REPORT

RMA NUMBER	UNIT NAME	SERIAL NUMBER	UNIT NUMBER
60404021	GNS430	97107986	011-00280-10

FAA Approved Product

This appliance has been repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. The details of the repairs to this appliance are on file at this repair station under the above listed RMA Number


Jeremy W. Little
FAA Certified Repairman

9/25/2013
Date


2684898
Certificate Number

FAA Repair Station Number
G6XR582Y

AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

1. Approving National Aviation Authority/Country: FAA/UNITED STATES				3. System Tracking Ref. No. RMA 60404021	
4. Organization: GARMIN International 1200 E 151st Olathe, KS 66062		Certificate No. G6XR582Y		5. Work Order Contract/Invoice Number: RMA 60404021	
6. Item: 1.	7. Description: GNS430	8. Part Number: 011-00280-10	9. Eligibility: N/A	10. Quantity: 1	11. Serial/Batch Number: 97107986
12. Status/Work: REPAIRED					
13. REMARKS: Confirmed the return issue. Repaired the CDU, replaced the Main board, and repaired the COM board to correct the return issues. Aligned unit for optimum performance. Unit passes all tests and is operating within normal limits. Unit acquired satellites. OK to return to Service. Confirmed all applicable hardware modifications are installed. Updated software to the latest version. The Main and GPS softwares are at the latest revision. This unit complies with these Service Bulletins 0502, 0844. 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. This unit complies with MOD 1 per Garmin's Service Bulletin No. 0019 This unit complies with MOD 2 per Garmin's Service Bulletin No. 0101 This unit complies with MOD 3 per Garmin's Service Bulletin No. 0203B This unit complies with MOD 4 per Garmin's Service Bulletin No. 0207 This unit complies with MOD 5 per Garmin's Service Bulletin No. 0211 This unit complies with MOD 7 per Garmin's Service Bulletin No. 0532 and 0608 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- AG, Revision Date 8/23/2012. 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.					
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: 	
17. Name (Typed or Printed) N / A		18. Date (m/d/y) N / A		22. Name (Typed or Printed) Jeremy W. Little	
				21. Approval/Certificate No.: G6XR582Y	
				23. Date (m/d/y) Sep 25 2013	
User/Installer Responsibilities					
It is important to understand that the existence of this Document alone does not automatically constitute authority to install the part/component/assembly. 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. 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.					

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
				N747AY Model: Cirrus SR20 S/N: 1257 Hobbs: 1050.8 ACTT: 1050.8 Date: Sept-19-2013 Continental IO360-E56 Ser# 357504 Eng TTSN: 1050.8 Hartzell Model BHC-J2YF-1BF Ser# EF312B Prop TSO: 364.6 Bun Air W/O 12077 <ul style="list-style-type: none"> Removed #2 Garmin GNS430 Se# 97107986 and sent it to Garmin for repair. Garmin repaired the unit. See attached FAA from 8130 and Garmin Service Report. Reinstalled the unit and op's checked OK. Kirk Knepper  A&P522199032

N747AY Model: Cirrus SR20 S/N: 1257 Hobbs: 1099.5 ACTT: 1099.5 March- 18-2014
 Continental IO360-E56 Ser# 357504 Eng TTSN: 1099.5
 Hartzell Model BHC-J2YF-1BF Ser# EF312B Prop TSO: 413.6
 Bun Air W/O 12049

Performed an Annual Inspection at this time.

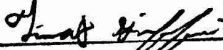
- C/W FAR 91.207 (d) ELT mount and op's. Batteries are to be replaced DEC-2022.
- C/W AD08-11-18 Heat exchanger pressure test. No defects noted. Due Next Hobbs:1199.5
- Serviced the main aircraft battery.
- Replaced turn coordinator batteries.
- Inspected and weighed cabin fire extinguisher.
- Cleaned, inspected and repacked all wheel bearings.
- Removed and resealed L/H wing outboard fuel panel.
- Adjusted flap 100% switch. Op's check good.

All AD's C/W thru this date. Run up and leak check good. I certify that this airframe has been inspected in accordance with an annual inspection and was determined to be in airworthy condition at this time.

Kirk Knepper  A&P522199032IA

N747AY CIRRUS: SR20 S/N:1257 HOBBS: 1207.3
 DATE: SEPTEMBER 2, 2014 BUN AIR W/O: 12220

INSTALLED NEW LANDING LIGHT P/N 4596.
 INSTALLED NUT PLATE FOR LANDING LIGHT SUPPORT BRACKET USING 2 MS20470A-3-4 RIVETS.

TIMOTHY GRIFFITH  A&P 3611291

Page No. _____

DATE

N747AY Model: Cirrus SR20 S/N: 1257 Hobbs:1267.0 ACTT: 1267.0 March- 12-2015
 Continental IO360-ES6 Ser# 357504 Eng TTSN: 1267.0
 Hartzell Model BHC-J2YF-1BF Ser# EF312B Prop TSO: 581.1
 Bun Air W/O 12283

Performed an Annual Inspection at this time.

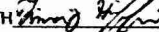
- C/W FAR 91.207 (d) ELT mount and op's. Batteries are to be replaced DEC-2022.
- C/W AD08-11-18 Heat exchanger pressure test. No defects noted. Due Next Hobbs:1367.0
- Serviced the main aircraft battery.
- Replaced all brake linings PN: 066-14100.
- Cleaned, inspected and repacked all wheel bearings.
- Inspected and weighed cabin fire extinguisher.
- Installed a new tail tie down.
- Repainted the anti-slip compound on the steps.

All AD's C/W thru this date. Run up and leak check good. I certify that this airframe has been inspected in accordance with an annual inspection and was determined to be in airworthy condition at this time.

Kirk Knepper  A&P522199032IA

CIRRUS SR20 N747AY S/N:1257 DATE: 7-28-15
 HOBBS: 1335.1 BUN AIR W/O:1539

DRAINED ENGINE OIL AND REMOVED OIL FILTER AND CUT OPEN. NDN. TOOK OIL SAMPLE. INSTALLED NEW OIL FILTER P/N AA48108-2 AND SERVICED ENGINE WITH PHILLIPS 20W-50.

TIMOTHY GRIFFITH  A&P 3611291

N747AY CIRRUS: SR20 S/N: 1257 HOBBS: 1371.5
 DATE: SEPTEMBER 29, 2015 BUN AIR W/O: 1567

Drained oil and changed filter. Installed new filter P/N AA-48108-2 and 7qts. 20W50XC. Oil sample was taken at this time.

Installed new landing light P/N 4596. Run up and leak check good.

Shane Pfaunmiller  A&P 3751545

N747AY Model: Cirrus SR20 S/N: 1257 Hobbs:1398.6 ACTT: 1398.6 December-16-2015
 Continental IO360-ES6 Ser# 357504 Eng TTSN: 1267.0
 Hartzell Model BHC-J2YF-1BF Ser# EF312B Prop TSO: 581.1
 Bun Air W/O 12283

Replaced Nose Gear Rebound bumper P/N 14020-001 S/N N/A
R&R manifold pressure transducer P/N 12635-001. S/N N/A OPS CHECK GOOD.

ALL WORK DONE IAW CURRENT /APPROVED TECHNICAL DATA.

Luke Tressler  A&P 3332044

BunAir

MAKE: CIRRUS
REGISTRATION: N747AY
AFTT: 1405.9


697 Belden Rd, Bedford, Pa 15522
PH:800-296-8171 FAX:814-623-8173
MODEL: SR20
SERIAL NUMBER: 1257
HOBBS: 1405.9

DESCRIPTION OF WORK PERFORMED

- 1 Performed an Annual Inspection In Accordance with FAR 43 Appendix D
 - 2 C/W ELT inspection per FAR 91.207 (d) - Battery Replacement due MAY 2018 . Next Inspection due May 2017 Replaced Battery Case and Oring
 - 3 Replaced Prop Governor rod end. Rigged throttle/prop controls for proper travel and engagement
 - 4 Replaced Vac Manifold PN 1H5-28 SN 15113-1 and Standby Vac Hose and Clamps
 - 5 Replaced LH and RH Flap Torque Tubes and checked/adjusted Flap Travel IAW Cirrus Maintenance Manual
 - 6 Replaced Landing Light Vibration Isolators and adjusted as needed
 - 7 Replaced lower cowling nose gear fork closeout seal with new assembly
 - 8 Resealed debonded Windshiled (lower RH corner) and Pilot/Copilot windows (lower fwd corners)
 - 9 Replaced MLG fairing clips, spacers, hardware and welluts as needed
 - 10 Repositioned Pilot Cabin Door Moulding
 - 11 Secured/Bonded static line tie block in aft belly
 - 12 Replaced all three baggage door threshold trim wellnuts
 - 13 Replaced LH and RH MLG wheel brake discs and linings
 - 14 Replaced RH wheel outer bearing and race with new parts
 - 15 Replaced RH Aft Engine Mount Bonding Strap with new part
 - 16 C/W AD2008-11-18 Per SB2X-78-07-R1 Test and Inspection - Next due HOBBS: 1505.9
- I certify that this aircraft has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition. This aircraft is approved for return to service.

4/6/16

DATE


Keith Boman IA3141166

3141166 IA