

AIRCRAFT DESCRIPTION

MANUFACTURER Cirrus Design Corp. MODEL SR-22 DATE OF MFG. Sept. 2005
SERIAL NUMBER 1592 REGISTRATION NUMBER N313DG

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	Teledyne Continental Motors	IO-550-N	R 917822
ENGINE			L
PROPELLER	Hartzell Propeller Inc.	PHC-334F-12F	R
PROPELLER			L FP3954R
ENGINE	1		
ENGINE			
PROPELLER			
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INSTALLED EQUIPMENT

ITEM	MANUFACTURER	MODEL	SERIAL NO.
ENGINE			R
ENGINE			L
ENGINE			R
ENGINE			L
PROPELLER			
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PROPELLER			
ENGINE			
ENGINE			
PROPELLER			
PROPELLER			

MAJOR ALTERATIONS

DATE	DESCRIPTION OF ALTERATION

4

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.
Life Limited Parts SR22							
PART NAME	PART NUMBER					EXPIRES	
CAPS Rocket Motor	15047-001			S/N 2197		6/15	
CAPS Parachute	20331-001			S/N C1894		7/15	
CAPS Reefing Line Cutters	5212			LOT 70505B C02-C26		03/11	
ELT Batteries	MN1300			Date Installed 08/05		03/12	
EMA Controller, AAIR	20902-001			S/N 25 JUL 05-93		25 JUL 12	
Pilot Seat Inflator Assy, AAIR	20902-002			S/N AASI 145 S10267		7/11/2015 7/10/12	ACCORDING TO SB TIME LIMIT CHANGED TO
Co-Pilot Seat Inflator Assy, AAIR	20902-002			S/N AASI 145 S10281		7/12/2015 7/10/12	10 YEARS



HAUL REQUIREMENTS

LIFE LIMIT OR T.B.O.	REMOVAL DATE/HOURS	AGENCY CERT. NO.

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.
		9/2/05				
		3.3				
Searched AD's through bi-weekly issue 2005-17. All AD's are in compliance at this time.						
AV. 1-1	AV. 1-1		AV. 1-1	one time		3026965
AV. 1-2	AV. 1-2		AV. 1-2	one time		3026965



 3026965
 3026965

RECORD

Airport Road
 1, Florida 32540
 Drug/Alcohol Plan #B-SO-00156S
 DZJR423D

TURE
 O.



Miracle Strip Aviation

1001 Airport Road
 Destin, Florida 32540
 Anti-Drug/Alcohol Plan #B-SO-00156S
 CRS#DZJR423D

AUTHORIZED SIGNATURE
 CERTIFICATE NO.

N# 313DG Hobbs: 375.7

except as stated below, no other work, inspection,
 Corrective action or determination of
 Airworthiness was made at this time.

Description of work performed:

C/W SB 2X-27-14 RUDDER/AILERON
INNERCONNECT BY INSTALLING
KIT # 70187-001 AS PER SB.
C/W SB 2X-52-7 CREW DOOR ROD
END REPLACEMENT BY INSTALLING
KIT # 70186-001 AS PER SB

Maintenance Release: The Aircraft, Airframe, Aircraft Engine, Propeller or Appliance was Repaired and Inspected
 In Accordance With Current Regulations of the FAA Administration and is approved for return to service.

Signed: [Signature] CRS#DZJR423D

WO# SOW-07-0123

Date: 6-2-7

no other work, inspection,
 termination of
 work at this time.

used Kit#
instaler Kit#
22 MIN.

ice was Repaired and Inspected
 and for return to service.

123D

5/11/07

SB	Rudder	9-4-07	I/A/W SB			
2X-27-14	AILERON	397.8	2X-27-14R1	ONE TIME	<u>[Signature]</u>	SOW-07-0162
SB	CABIN	5-15-08	Installed KIT		<u>[Signature]</u>	DZJR423D
2X-52-01R	DOORS	495.8	70186-005 PER SB	ONE TIME	<u>[Signature]</u>	SOW-68-0118
7D	CABIN	8-15-08	I/A/W SB		<u>[Signature]</u>	DZJR423D
08-14-13	DOORS	495.8	2X-52-07 R4	ONE TIME	<u>[Signature]</u>	SOW-08-0370
NO		7-27-09			<u>[Signature]</u>	DZJR423D
009-500	PFD	599.4	NIRBY S/P	ONE TIME	<u>[Signature]</u>	SOW-07-0249
					<u>[Signature]</u>	DZJR423D

AIRWORTHINESS DIRECTIVE / FACTORY BULLETIN COMPLIANCE RECORD

AI

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.

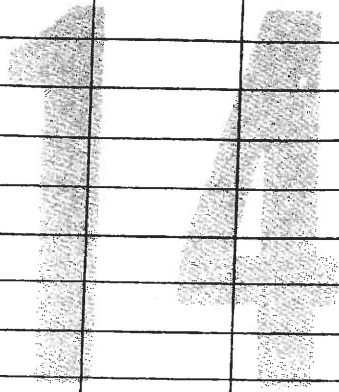
A.D./BU
NUMBE

12

AIRWORTHINESS DIRECTIVE / FACTORY BULLETIN COMPLIANCE RECORD

AIRW

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.	A.D./BULL. NUMBER	A



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.	DATE

16

BULLETIN COMPLIANCE RECORD

ALTIMETER & STATIC SYSTEM CHECKS
F.A.R. 91.411

NEXT COMP. DATE/HRS./CYCLE	AUTHORIZED SIGNATURE CERTIFICATE NO.

DATE	MANUFACTURER	MODEL	SERIAL NO.	LOCATION	MAX. ALT.	RECHECK REQUIRED	APPROVED BY: AGENCY CERT. NO.

I certify that the altimeter, static system, transponder, and altitude reporter test required by FAR's 91.411, 91.413, & 91.217 have been performed and found within the limits of FAR 43 appendices E & F and AC 43-6B.

TESTED TO 18,000 FEET ON 08/24/05
 Transponder: Mfg Garmin P/N 13587-050
 Model: GTX-327 S/N 83721106
 Encoder: Model ACK P/N A-30 S/N 97321
 Altimeter: Mfg Avidyne
 (PFD) 15222-002 S/N 20318305
 Mfg United P/N 12731-002 S/N 446133

CDC Quality Assurance on 08/24/05
 Cirrus Design Corporation Duluth, MN USA
 PC# 338CE

ALTIMETER & STATIC SYSTEM CHECKS
F.A.R. 91.411

DATE	MANUFACTURER	MODEL	SERIAL NO.	LOCATION	MAX. ALT.	RECHECK REQUIRED	APPROVED BY: AGENCY CERT. NO.

18

D

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a
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s

SYSTEM CHECKS

1

MAX. ALT.	RECHECK REQUIRED	APPROVED BY: AGENCY CERT. NO.



Airframe Log Entry

Reg. # N313DG Make: CIRRUS Model:SR22
S/N:1592 Date : 12/1/11
Hrs: Lnds:

Adjusted the altitude encoder and tested. System ops checks good IAW ACK Technologies A-30 altitude encoder operation and installation manual. Tested and inspected the automatic pressure altitude reporting system IAW Title 14 CFR part 91.413 paragraph (b).

The above described repair or maintenance is approved for return to service.
A detailed record is on file under Work Order #13V3A

Signed: Peter Marte Q.I. 1072



Duncan Aviation CRS#JGV3194F

Phone: 203-386-0111

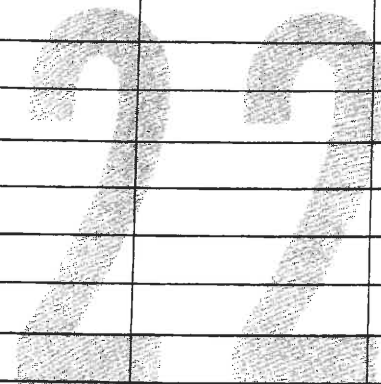
RADIO & ELECTRONIC CHECKS

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

20

RADIO & ELECTRONIC CHECKS

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



DATE

RADIO & ELECTRONIC CHECKS

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

26

ONIC CHECKS

FOR TS	NEXT CHECK DUE	CHECKED BY: SIGNATURE — CERT. NO.

66

RADIO & ELECTRONIC CHECKS

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

27

RADIO & ELECTRONIC CHECKS

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

28

I
CO

NIC CHECKS

NEXT CHECK DUE	CHECKED BY: SIGNATURE — CERT. NO.

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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MAKE: Cirrus
MODEL: SR22-G2
S/N: 22-1592
REG. NO: 313DG
WORK ORDER:
4579-09-2005



Cirrus Design Factory Service Center

Repair Station No. YD5R855Y
4515 Taylor Circle
Duluth, MN 55811
Phone: 218- 788-3101

DATE: 9/4/2005
A/C TSN:
TASH
6.2 Hobbs

Airframe Entries

(1) 35-00 Installed a Precise Flight Inc. semi-portable oxygen system; P/N KT4360-A4, S/N BH0024155 IAW STC# SA01232SE & standard maintenance practices. Serviced bottle to 2000 PSI IAW Manufacturer's instructions. Added supplement to Pilot's Operating Handbook detailing; use, operation & instructions for continued airworthiness. Calculated new aircraft weight & balance and updated equipment list to reflect this installation. See FAA forms; 337 dated 09-04-05 & 8130-3 dated 06-30-05 for details.

I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at this Certified Repair Station CRS YD5R855Y.

DATE: 9/4/2005

SIGNED: *Joseph Sullivan*
Joseph Sullivan
Certified Repair Station No. YD5R855Y

Work Order: 4579-09-2005
Printed by EBis 3 (datcomedia.com)

MAKE: Cirrus
MODEL: SR22-G2
S/N: 22-1592
REG. NO: 313DG
WORK ORDER:
4587-09-2005



Cirrus Design Factory Service Center

Repair Station No. YD5R855Y
4515 Taylor Circle
Duluth, MN 55811
Phone: 218- 788-3101

DATE: 9/7/2005
A/C TSN:
HOBBS: 12 7

Airframe Entries

(1) Resealed co-pilots side aft passenger, exterior window sealant IAW Cirrus AMM ch. 56-20.... (2) Removed and reapplied sealant on RH wing inboard of TKS panel, IAW Cirrus AMM 20-10.... (4) Added foam seal tape to the RH cabin door for proper door to fuselage seal IAW standard maintenance practice.... (5) Adjusted prop governor low pitch/high RPM set screw in 1-1/8 turns for proper takeoff RPM IAW CDC AMM 61-20.... (6) Replaced # 6 cylinder EGT IAW CDC AMM 77-20 and cleaned # 6 cylinder fuel injector IAW TCM MM X30568A chapter 9.... (7) Removed analog tachometer, P/N 13559-002, S/N 791, and replaced with new tach, P/N 13559-002, S/N 732, IAW CDC AMM 77-10 and standard maintenance practices.... (9) Adjusted baggage door seal for proper door operation IAW Cirrus AMM 52-30.... (10) Post maintenance flight test was performed and no discrepancies were noted.

I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at this Certified Repair Station CRS YD5R855Y.


DATE: 9/7/2005

SIGNED: *Aaron Holmgren*
Aaron Holmgren
Certified Repair Station No. YD5R855Y

Work Order: 4587-09-2005
Printed by EBis 3 (datcomedia.com)

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
	MAKE: Cirrus MODEL: SR22-G2 S/N: 22-1592 REG. NO: 313DG WORK ORDER: 4599-09-2005	 Cirrus Design Factory Service Center Repair Station No. YD5R855Y 4515 Taylor Circle Duluth, MN 55811 Phone: 218-788-3101	DATE: 9/7/2005 A/C TSN: HOBBS: 13.5
	Airframe Entries (1) Buffed exterior paint surface on right wing tip leading edge IAW CDC AMM CH 51-30.		
	I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at this Certified Repair Station CRS YD5R855Y.		
	DATE: 9/7/2005	SIGNED: <i>Andy Branca</i> Andrew Branca Certified Repair Station No. YD5R855Y	Work Order: 4599-09-2005 Printed by EBis 3 (datcomedia.com)



Leading Edge Aviation Services
 Vandenberg Airport
 Tampa, FL 33610
 (813)-626-1515



4 November 2005

N313DG

Hobbs: 69.4

Removed and replaced the right exhaust header assembly P Ns 15080-001, 15070-001, 15069-001, 20153-001
 Installed three new exhaust gaskets. P N 50965-001. Replaced and replaced exhaust collector. P N 20153-001. Inc
 Cirrus AMM section 78.

Steve Wiedler
 Steve Wiedler. A&P# 145604431

AGENCY & CERTIFICATE NO.
WORK PERFORMED/RETURNED TO SERVICE

enter DATE: 9/7/2005
A/C TSN:
HOBS: 13.5

51-30.
The aircraft, airframe, aircraft engine,
requirements of the Federal Aviation
on file at this Certified Repair Station CRS

Work Order: 4599-09-2005
Printed by EBis 3 (datcomedia.com)

ices

LEADING EDGE
AVIATION SERVICES, INC

N313DG
-001, 15070-001, 15069-001, 20153-001
laced exhaust collector, P.N. 20153-001, per

431

MAINTENANCE RECORD F.A.R. 43.9



Destin Airport
1001 Airport Road
P.O. Box 159
Destin Florida 32540
Anti-Drug/Alcohol Plan # B-S0-00156S

N# 313DG Tech/Hobbs: 94.5 Except as stated below, no other work, inspection, corrective action or determination
of airworthiness was made at this time.

Description of work performed: REPLACED ALTERNATOR PIN 646843
WITH OVERHAULED UNIT SIN 005CA120 INSTALLED
WITH NEW GASKET PIN 653981. SEE FAA FORM 8130-3
DATED 12-09-05. ALL WORK DONE IN ACCORDANCE WITH
CIRIUS SR-22 A.M.M.

Signed: [Signature] Cert #: AP549741177 Date: 12-22-05

1. Approving National Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number: QAA# 30797	
4. Organization Name and Address: Quality Aircraft Accessories Inc. (QYIR334Y) 5746 E. Apache, Bldg. A Tulsa, OK 74115				Phone: 1-877-833-6948 918-835-6948 Fax: 918-835-2804		5. Work Order/ Invoice Number: INV # 38100	
6. Item	7. Description	8. Part/Number	9. Eligibility*	10. Qty	11. Serial/Batch Number	12. Status/Work	
1	Alternator	646843	(VARIOUS)	1	005CA120	Overhaul	
13. Remarks: See Attached Work Order Summary for details. (2) pages (MECH: C1)							
14. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a 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 type="checkbox"/> Other regulation 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 item(s) is (are) approved for return-to service.			
15. Authorized Signature:		16. Approval/Authorization No.:		20. Authorized Signature:		21. Approval/Certificate No.:	
				Justin R. Hicks		QYIR334Y	
17. Name (Typed or Printed):		18. Date (m/d/yy):		22. Name (Typed or Printed):		23. Date (m/d/yy):	
				Justin R. Hicks		12-09-05	

FAA Form 8130-3 (7-06)

*Installer must cross check eligibility with applicable technical data.

FAA Form 8130-3

Airworthiness Approval Tag 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 work in accordance with the national regulation 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 to 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.

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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CIRRUS

Leading Edge Aviation Services
Vandenberg Airport
Tampa, FL 33610
(813)-626-1515

22 Sept.2006
Hobbs: 218.2

N313DG
TT:218.2



Installed MFD revision 6.0 Complied with SB 2X-25-17 (Cabin Crew Seat Break-Over Pin Replacement) by installing kit 70130-001.
Clean and retorque Rt. and Lf outer fuel transmitter center post. Complied with SB 2X-24-06 (wiring and alternator inspection) by installing Kit =70162-001.
Complied with SB 2X-52-04R1 (Cabin door strut modification) by installing kit =70168-001.
Adjusted nose gear fork tension per Cirrus ANM 32-20. Removed and replaced o-rings in both brake calipers with new o-rings. Replaced all brake linings. Cleaned, inspected, and greased wheel bearings. Cleaned power lever cables. Serviced battery #1 with reference to Cirrus ANM section 12-10. Serviced Battery #2. Lubed aircraft per cirrus mm. Removed fire extinguisher, performed weight check, and installed. Checked aileron rigging and set both to zero per cirrus mm. replaced right step wing walk tape. Replaced CAPS handle cover. Secured pilot and co-pilot kick panel trim. Repaired minor cosmetic paint defects at left wing tip, on top center fuselage and fuselage fwd. of windshield. Complied with AD 2006-07-06 with compliance with SB 2X-28-04R1 (fuel line chaff kit) Checked ADs through September 22, 2006.
Tested and inspected ELT with reference to FAR. 91.207. Battery Exp. on March 2012.

Stephen Wiedler
Stephen Wiedler A&P= 145604431



CIRRUS

Leading Edge Aviation Services
Vandenberg Airport
Tampa, FL 33610
(813)-626-1515

22 September 2006
S/N 1592

N313DG
Hobbs: 218.2



I certify this aircraft has been inspected in accordance with an annual inspection
and found to be airworthy at this time.

Mali Huff
IA# 261271909

CORD

MAINTENANCE RECORD

F.A.R. 43.9

AGENCY & CERTIFICATE NO.
WORK PERFORMED/RETURNED TO SERVICE

DATE OF COMPLETION
AIRCRAFT TIME IN SERVICE

DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED

AGENCY & CERTIFICATE NO.
WORK PERFORMED/RETURNED TO SERVICE

02/03/07

297.5

Removed and replaced amp-meter (P/N 16472-001). Ops check good. All IAW MFR MM.

Justin Judice CRSF DP SR423D



3DG
218.2
-Over Pin Replacement) by installing kit 70130-001.
(wiring and alternator inspection) by installing Kit #70162-001.
by installing kit #70168-001.
laced o-rings in both brake calipers with
aned power lever cables. Serviced battery #1 with reference
reextinguisher, performed weight check, and installed. Checked
ed CAPS handle cover. Secured pilot and co-pilot kick pannel
e fwd. of windshield. Complied with AD 2006-07-06 with
s through September 22, 2006.
attery Exp. on March 2012.

MONARCH AVIATION REPAIR STATION # V9MR 280Y

The Altimeter System Test and Inspection required by FAR 91.411
were performed on this date and found to comply with FAR Part 43
Appendix E Paragraphs a and b. Tested to 15,000 Ft.

Details of this inspection are held on file at Monarch Aviation, Inc
on Work Order # 2662 Date SEP 20, 2007

Authorized Signature _____



N313DG
Jobbs: 218.2
nce with an annual inspection
this time.

 **AVERY®** 5168®



Miracle Strip Aviation

1001 Airport Road
Destin, Florida 32540
Anti-Drug/Alcohol Plan #B-SO-00156S
CRS#DZJR423D

N# 313DG Hobbs: 386.4

except as stated below, no other work, inspection,
Corrective action or determination of
Airworthiness was made at this time.

Description of work performed:

INSTALLED NEW R/H SUN VISOR MOUNT
CIRRUS P/N 15050-103 JAW MANF.
MAINT MAN. AND TIGHTENED HEATER
CONTROL KNOB SET SCREWS

www.avery.com
1-800-GO-AVERY

Maintenance Release: The Aircraft, Airframe, Aircraft Engine, Propeller or Appliance was Repaired and Inspected
In Accordance With Current Regulations of the FAA Administration and is approved for return to service.

Signed: Danell W. [Signature]

CRS#DZJR423D

WO# 50.07.0322

Date: 23 JUN 07

MAINTENANCE RECORD

~~FAR~~ 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
		MONARCH AVIATION REPAIR STATION # V9MR 280Y	
		The ATC Transponder and Automatic Pressure Altitude Reporting Equipment Tests and Inspections required by FAR 91.411 and 91.413 were performed on this date and found to comply with FAR Part 43 Appendix E and F.	
		Details of this inspection are held on file at Monarch Aviation, Inc. on Work Order # <u>2662</u> Date <u>SEPT 20, 2007</u>	
		Authorized Signature _____	

DATE
COMP

09/20

MONARCH AVIATION, INC.
 627 AIR PARK ROAD
 DEERBARK SPRINGS FLORIDA 32435
 (850) 951-0900

DATE SEP 20, 2007 WORK ORDER 2662

OWNER MIRACLE STRIPS	AIRCRAFT CIRCUSS SR222	REGISTRATION N313DQ
-------------------------	---------------------------	------------------------

PITOT LEAK RATE	LEAK RATE NO LEAK
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KTS PER MIN REF. ONLY	FT PER MIN
--------------------------	------------

TEST SET	ALT TOL +/-	ALT. IND.	XPDR/ENCODER OUTPUT
* 0 (-10)	20	-20	0
500	20	480	500
1000	20	1000	1000
2000	25	1995	2000
4000	30	3990	4000
5000	35	4980	5000
* 8000 (+30)	60	7970	8000
* 10,000 (+30)	80	9960	10,000
12,000	90	11980	12,000
**14,000	100	13970	14,000
15,000	100	14960	15,000
**18,000	120		
20,000	120		
22,000	140		
25,000	155		
30,000	180		
35,000	205		

TACH TIME 398.2

*20K HYST. TEST POINTS RECORDED ERROR
 **35K HYST. TEST POINTS RECORDED ERROR

COMMENTS: GRAMMILU GTX 327 SW 83721106
 ACK A-30 ALTITUDE ACCORDS SW 97321
 UNITED ALT SW 446133

MAINTENANCE RECORD

F.A.R. 43.9

AGENCY & CERTIFICATE NO.
PERFORMED/RETURNED TO SERVICE

DATE OF
COMPLETION

AIRCRAFT TIME
IN SERVICE

DESCRIPTION OF WORK PERFORMED
OR APPROVED DATA USED

AGENCY & CERTIFICATE NO.
WORK PERFORMED/RETURNED TO SERVICE

09/20/07

Hours: 398.2

Removed and replaced rebuilt PFD S/N 20318305 from Avidyne. Serviced battery, cleaned terminals, and applied DC-4 compound to prevent corrosion. Removed and replaced Lt. tail pipe support springs. Removed and replaced TKS P/N 15165-002. Removed and replaced number two battery P/N 18615-001. Removed and replaced induction air filter P/N BA-24. Serviced TKS Fluid. Reinstalled Rt. rear cabin window trim seal. Cleaned brake fluid reservoir fittings, retorqued fittings, and serviced reservoir. Repositioned Lt. outboard flap well access panel, and resealed screw, and prepred and painted...

Cont → next Page.

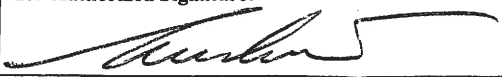
13

Hours 398.2 Date 9-25-07

ELT Tested IAW FAR 91.207



Appendix D. Battery Due Date March 2012

Maint. Release *Justin [Signature]* (Signature)

1. Approving National Aviation Authority/Country: FAA/United States		AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG					2. Form Tracking Number: RA19993	
4. Organization Name and Address: Avidyne Corporation, 55 Old Bedford Road Lincoln, MA 01773						5. Work Order/Contract/Invoice Number: RA19993		
6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:		
1	PFD	700-00006-000	TSO Article N/A	1	20318305	Rebuilt		
13. Remarks: Return to service and meets approved TSO design.								
14. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a 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 type="checkbox"/> Other regulation 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:		16. Approval/Authorization No.:		20. Authorized Signature: 		21. Approval/Certificate No.: PT1042NE		
17. Name (Typed or Printed):		18. Date (m/d/y):		22. Name (Typed or Printed): Hoang Tran		23. Date (m/d/y): 09/13/2007		
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 Blocks 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>								

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
		Chuffed areas, Removed and replaced Aft Rt. baffle sheared rivet. Repositioned Lt. flap well access panel in recess, and prepred and painted chuffed areas. All work TAW MFR MM Justin Judice CRS#DZJR423D WO# 50-07-0439 WO# 50W-07-0162	
HOURS 398.2 DATE 9-20-07			
AT THE TIME OF THIS INSPECTION, I CERTIFY THAT THIS <u>Airframe</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>Approved</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.		Maintenance Release: The Aircraft, Airframe, Aircraft Engine, Propeller or Appliance was Repaired and Inspected in Accordance with Current Regulations of the FAA Administration and is Approved for Return To Service.	
 Eric W. Mengelson A&P 30269651A		Signed:  For Miracle Strip Aviation CRS#DZJR423D WO# 50-07-0439	

RECORD

AGENCY & CERTIFICATE NO.
WORK PERFORMED/RETURNED TO SERVICE

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e sheared
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MFR MM
R423D
39

ase: The Aircraft, Airframe, Aircraft Engine,
ance was Repaired and Inspected in Accordance
lations of the FAA Administration and is
n To Service.

wo# 80-07-0439
Aviation CRS#DZJR423D

1001 Airport Road
Destin, Florida 32540
CRS DZJR423D

RD

AGENCY & CERTIFICATE NO.
WORK PERFORMED/RETURNED TO SERVICE

MIRACLE STRIP
AVIATION
AVIATAT DESTIN

N# 31306- Hobbs: 483.0

except as stated below, no other work, inspection,
Corrective action or determination of
Airworthiness was made at this time.

Description of work performed:

REMOVED AND REPLACED
LEFT STROBE Power Supply
I/A/W CIRCUIT A.M.N. 33.4/2006
PIN 50625-001 S/N 09909
INSTALLED.

Maintenance Release: The Aircraft, Airframe, Aircraft Engine, Propeller or Appliance was Repaired and Inspected
In Accordance With Current Regulations of the FAA Administration and is approved for return to service.

Signed: [Signature] CRS#DZJR423D

WO# 50W-08-0057 Date: 6-7-08

ORD

1001 Airport Road
Destin, Florida 32540
CRS DZJR423D

**MIRACLE STRIP
AVIATION
AVIATION DESTIN**

N# 313DG Hobbs: 484.8

except as stated below, no other work, inspection,
Corrective action or determination of
Airworthiness was made at this time.

Description of work performed:

REMOVED AND REPLACED LEFT STROBE
TUBE / HARNESS PN# 50909-001. OPS checked
GOOD. ALL WORK DONE I.A.W/ CIRROS MM.

Maintenance Release: The Aircraft, Airframe, Aircraft Engine, Propeller or Appliance was Repaired and Inspected
In Accordance With Current Regulations of the FAA Administration and is approved for return to service.

Signed: Matthew E. Hall CRS#DZJR423D

WO# 80-08-0255 Date: 6-20-08

AGENCY & CERTIFICATE NO.
WORK PERFORMED/RETURNED TO SERVICE

1001 Airport Road
Destin, Florida 32540

MAINTENANCE RECORD

AGENCY & CERTIFICATE NO.
WORK PERFORMED/RETURNED TO SERVICE

MIRACLE STRIP
AVIATION
AVIAT DESTIN

1001 Airport Road
Destin, Florida 32540
CRS DZJR423D

N# 31306 Hobbs: 495.8

except as stated below, no other work, inspection,
Corrective action or determination of
Airworthiness was made at this time.

Description of work performed:

Removed & replaced FWD cooling close out, ATA 71.0.000
Repaired filler cracks LT & RT wings and top corr. unit.
CRS NO 3008-14-13 cabin door 3 0506 90 I installed
Part 71080-005 as per SBAX-32-0794. Removed & replaced
HT & 244. EGT probes. CRB SBAX-31-32 RI started bit
Swamp mod. Removed & replaced LT. FWD eng. Baffle. Removed
and replaced LT & RT main tires.

Maintenance Release: The Aircraft, Airframe, Aircraft Engine, Propeller or Appliance was Repaired and Inspected
In Accordance With Current Regulations of the FAA Administration and is approved for return to service.

Signed: 

CRS#DZJR423D

WO# ~~80-08-0310~~ / 5012-08-0118 Date: 8-22-08

MIRACLE STRIP
AVIATION
AVIAT DESTIN

1001 Airport Road
Destin, Florida 32540
CRS DZJR423D

N# 31306 Hobbs: 495.8

except as stated below, no other work, inspection,
Corrective action or determination of
Airworthiness was made at this time.

Description of work performed:
HOURS _____ DATE _____

AT THE TIME OF THIS INSPECTION, I CERTIFY THAT

THIS AIRFRAME HAS BEEN INSPECTED IN ACCORDANCE

WITH Annex INSPECTION AND WAS DETERMINED

TO BE IN AIRWORTHY CONDITION.

Maintenance Release: The Aircraft, Airframe, Aircraft Engine, Propeller or Appliance was Repaired and Inspected
In Accordance With Current Regulations of the FAA Administration and is approved for return to service.

Signed: 

CRS#DZJR423D

WO# 80-06-0370

Date: 8-22-08

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
11 MAR 09	Hubbs 562	Replaced main Aircraft	Battery with
New Gill	G243	\$IN 02439764. Initial service & charge	CLW
		by Montgomery Aviation Corp. <u>DLA</u>	

40

Airframe
1001 Airport Road

FORMED

AGENCY & CERTIFICATE NO.
WORK PERFORMED/RETURNED TO SERVICE

Aircraft Battery with
final service & charge clw

Airframe

1001 Airport Road
Destin, Florida 32540
CRS DZJR423D

MIRACLE STRIP
AVIATION
AVIAT DESTIN

N# 31306 Hobbs: 589.4

except as stated below, no other work, inspection,
Corrective action or determination of
Airworthiness was made at this time.

Description of work performed:

Removed & replaced # 5001. E.A. stuck IAN
MFR service manual. MFD Sk list updated to
Rev. 7.3.4 IAN Avidyne SB & Citrus service manual
Removed & replaced LITRT Brake Linings IAN ATA 320000
Clw SB 2K-05-01 Brake Kit installed & O.H. updated
with new revisions. AD 3009-05-05 Avidyne PFD Found
N/A Rev 6/10. Clw Diagram updated & Whisking Comps
Cpl. ok.

Maintenance Release: The Aircraft, Airframe, Aircraft Engine, Propeller or Appliance was Repaired and Inspected
In Accordance With Current Regulations of the FAA Administration and is approved for return to service.

Signed:  Date: 9-29-09
WO# 30-09-0299

CRS#DZJR423D

Date: 9-29-09

MIRACLE STRIP
AVIATION
AVIAT DESTIN

1001 Airport Road
Destin, Florida 32540
CRS DZJR423D

N# 31306 Hobbs: 589.4

except as stated below, no other work, inspection,
Corrective action or determination of
Airworthiness was made at this time.

Description of work performed: _____
HOURS _____ DATE _____


AT THE TIME OF THIS INSPECTION I CERTIFY THAT

THIS AIRFRAME HAS BEEN INSPECTED IN ACCORDANCE

WITH AIRFRAME INSPECTION AND WAS DETERMINED

TO BE IN AIRWORTHY CONDITION.

Maintenance Release: The Aircraft, Airframe, Aircraft Engine, Propeller or Appliance was Repaired and Inspected
In Accordance With Current Regulations of the FAA Administration and is approved for return to service.

Signed:  Date: 9-29-09

CRS#DZJR423D

Eric W. Mengelsol
A&P 30289651A

Date: 9-29-09

VICE

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

**MIRACLE STRIP
AVIATION
AVIAT DESTIN**

1001 Airport Road
Destin, Florida 32540
CRS DZJR423D

N# 31306 Hobbs: 592.1

except as stated below, no other work, inspection, corrective action or determination of airworthiness was made at this time

Description of work performed:

*Renovated replaced #9 Batterys with
New part # 50919-001 BFA. New
Due Date 9/11/09 check good
All work was met mm.*

Maintenance Release: The Aircraft, Airframe, Aircraft Engine, Propeller or Appliance was Repaired and Inspected In Accordance With Current Regulations of the FAA Administration and is approved for return to service.

Signed

WO#

30-09-0318

CRS#DZJR423D

Date:

9/2/09

INSPECTION RECORD F.A.R. 43.11-91.409

AGENCY & CERTIFICATE NO.
WORK PERFORMED/RETURNED TO SERVICE

DATE

AIRCRAFT TIME
IN SERVICE

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

27 AUG 05 3.3

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

Name: Frank Mathews

Date 27 Aug 05

Signature:

Frank D. Mathews

Title: Production Flight Test Pilot

SEP 02 2005 3.3 hrs

I find that the aircraft meets the requirements for the
certification requested and have issued an U.S. Standard
Airworthiness Certificate dated SEP 02 / 2005.
The next inspection is due SEP 30 / 2006

Loren L. Thibert

LOREN L. THIBERT
DMIR410173CE

INSPECTION RECORD

DA

Southeast Aero Services, Inc. - St. Augustine, FL
Cirrus SR22 s/n 1592 N313DG

02, May 2006

Tach Time: 154.4

1. Complied with SB2X-28-04R1 Fuel line chafing by installation of mod kit as required.
2. Complied with SB2X-32-14R1 Wheel pant modification by installation of mod kit IAW SB instructions.
3. Replaced all o-rings in both brake calipers with new.
4. Tightened heater control knob as required.

Functional check satisfactory
James T. Markey A&P154623664 *James T. Markey*

Avionics West, Inc. dba Avwest Atlanta

2600 Cessna Lane Tel: 770-426-9411
Kennesaw, Ga 30144 Fax: 770-426-6208

WO# *7855* DATE: *4/28/06* N# *313 DG*

A 2 year IFR Certification was performed on this aircraft. Complies with FAR 43 appedix E and F, FAR 91.411, FAR 91.413. Altimeter tested per FAR 43 appendix E section (b). This A/c and or component was repaired and inspected in accord w/ current FARs and is approved for return to service.

Signed *[Signature]* -CRS# VVIR654K

*TAB'S IN BOOK
OR LOG BOOK*

DLK
AVIAT

*** AI
ANNUAL
BY S/N
AND RI
P/N 51
SHOCKC
P/N 16
2X-05-
AND SE
INSPEC
BLED B
AS REQ
ENGINE
AIRWOR

MAINTENANCE
THIS AIRCRAFT
IN ACCORDANCE
RETURN TO SERVICE

Do
Agenc

RECORD

- St. Augustine, FL
N313DG

by installation of mod kit as required.
ification by installation of mod kit IAW SB

new.

satisfactory
& P154623664 *James T. Marking*

-9411
-6208

with FAR
r FAR 43
id inspected

465 IN BOOK
OR LOG BOOK
54K

DLK



2601 Cessna Lane Kennesaw, GA 30144 770-427-4954
LOG ID# 12564 09-June-2010 WO# 10231
N313DG S/N 1592 CIRRUS SR22
AC TT 645.0 HOBBS 645.0

AVIATION, INC.

*** AIRFRAME LOG ENTRY ***

ANNUAL INSPECTION COMPLETED. THE FOLLOWING AD'S WERE COMPLIED WITH DURING THIS ANNUAL: AD 2009-26-01 BY S/N AND AD 2010-11-04 N/A NO LIFTER CHANGES DURING TIMES INDICATED. REPLACED THE FOLLOWING: LEFT AND RIGHT BRAKE CALIPER O-RINGS P/N M83461/1-222, UPPER PAN PUCK ASSEMBLY P/N 13549-002, TEMP DECALS P/N 51698-001, LEFT AND RIGHT MAIN GEAR SUPPORT GROMMETS P/N 16937-002, AILERON/ RUDDER INTERCONNECT SHOCKCORD P/N 12983-001 NEXT DUE 06-2015 AND LEFT/ RIGHT DOORGAS STRUTS P/N 18200-003. NEW MCU 120 P/N 16600-001 S/N 00643. COMPLIED WITH S/B 2X-32-19R2 BY INSTALLING KIT P/N 70238-001 AND S/B 2X-05-01 BY INSTALLING YELLOW TEMP DECALS. RIGGED AND SET CABLE TENSION FOR AILERON SYSTEM. RIGGED AND SET CABLE TENSION FOR RUDDER SYSTEM. SERVICED TIRES. LUBRICATED AIRCRAFT. SERVICED BATTERY. INSPECTED ELT S/N 053530 IN ACCORDANCE WITH FAR 91.207D (d1)(d2)(d3)(d4). REPACKED WHEEL BEARINGS. BLED BRAKES. VISUALLY INSPECTED BRAKES AND LININGS. COMPLETED PULL TEST ON NOSE GEAR PIVOT TO 25LBS AS REQUIRED BY CIRRUS DESIGN MAINTENANCE MANUAL SECTION 32-20. I CERTIFY THAT THIS AIRCRAFT AND/OR ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A/AN ANNUAL INSPECTION AND DETERMINED TO BE IN AIRWORTHY CONDITION.

MAINTENANCE RELEASE.
THIS AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT MAINTENANCE RULES OF THE FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE FOR WORK PERFORMED UNDER WO#10231 AT REPAIR STATION DK7R795J. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION.

Donal L Kendall

Signed DK7R795J FOR DLK AVIATION, INC.

INSPECTION RECORD



WORK ORDER: 1090
ACTT: 743.2
HOBBS: 743.2

MAKE: CIRRUS
MODEL: SR-22
S/N: 1592
N313DG

DATE

AIRFRAME ENTRIES:

CLEANED AND LUBRICATED L & R FLAP HINGES AND ROD ENDS. ACCESSED FLAP JACK SCREWS AND LUBRICATED IAW WITH CIRRUS MM. OPS CHECK SATISFACTORY AT THIS TIME.

The Aircraft, Airframe, Aircraft Engine, Propeller or Appliance identified above was repaired and/or inspected in accordance with current regulations of the Federal Aviation Administration and was determined to be in airworthy condition. The item identified above is approved for return to service.

DATE: 3/22/2010

SIGNED:

A handwritten signature in cursive script, appearing to read "Paul ...".

AP 76644871

RECORD

SON
TION

WORK ORDER: 1090
ACCT: 743.2
HOBBS: 743.2

ENDS. ACCESSED FLAP JACK SCREWS AND
CTORY AT THIS TIME.

ied above was repaired and/or inspected in accordance with
etermined to be in airworthy condition. The item identified above

AP 76644871

INSPECTION RECORD F.A.R. 43.11-91.409

DATE AIRCRAFT TIME
IN SERVICE

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

MAKE: Cirrus AIRCRAFT
MODEL: SR-22
S/N: 1592
REG. NO: N313DG
WORK ORDER:
08668-06-2011

US Flight Aircraft Maintenance

136 Tower Rd
White Plains, NY 10604
Phone: 914-288-8088

DATE: 15 July, 2011
A/C TSN: 764.7
HOBBS: 764.7

Airframe Entries

(1) #6 CYLINDER SHOWS 50 DEGREES HIGHER THAN OTHER CYLINDERS ON CLIMB OUT.... Cleaned #6CHT sensor connectors and doped with Stabilant 22.... (2) OXYGEN BOTTLE DUE FOR HYDROSTATIC TEST.... Removed Oxygen bottle P/N 026N0010-1 S/N BH0024155. Installed REPAIRED Oxygen bottle after Hydro Static Test by Semco Aerospace LLC FAA od1R370K airworthiness lease track # 1107-009.... (3) PAINT CRACKING ADJACENT TO 1. RH REAR WINDOW BELOW GRAB HANDLE , 2. AFT BAGGAGE WINDOW AT FORWARD VERTICAL STAB FAIRING... Investigated areas by sanding to expose hidden damage. Damage was caused by filler shrinkage and was cosmetic only. Structural integrity had not been compromised. Repaired area with Cirrus SR-22 AMM CH 51 materials and processes. Filled, shaped, cleaned area, masked, primed, painted with 3 coats Cirrus White single stage urethane top coat, wet sanded, and buffed. Touch up right passenger upper window seal with PR1829B1/2.... (4) CAPS LINE CUTTERS DUE FOR REPLACEMENT.... Replaced CAPS Reefing Line Cutters IAW Cirrus SR-22 AMM 95-01-01 and SB 2X-95-12. Next due JUNE 2017. New Line cutter Lot # 1 RRL0111 S/N 0815.... (5) STORMSCOPE INTERMITTENT... Accessed avionics maintenance page on MFD and noted Error 16, 20 registered under WX-500 fault log. Gained access, cleaned all connection by antenna and stormscope. Performed satisfactory Self test and Strike test.... (6) AUTO-PILOT READY INDICATION DOES NOT COME UP 2-OUT OF 10 TIMES.... Removed auto pilot programmer computer inspected all pins and connections to avionics rack; no defects noted. Cleaned plug and pins with alcohol, doped all connector with stabilant 22 electrical contact enhancer. Ground functional checks good. flight test required.... (8) OBTAIN OIL SAMPLE AND SUBMIT FOR S.O.A.P. TEST.... Sample taken, researched engine and oil history of engine. filled out form and sent sample out for analysis.... (11) C/W CIRRUS SR-22/ 5 YEAR OVERHAUL AND REPLACEMENT SCHEDULE PER AMM 5-10 ON AIRFRAME.... Replaced left and right In board quick fuel drains P/N 26721-001. Replaced left and right Out board fuel quick drains P/N C100191. Replaced left and right fuel tank vent lines P/N 50173-125U. Replaced all engine compartment flex hoses P/N s 124F001-4CR0072, 124F001-4CR0106, 124F001-4CR0140, 124F001-4CR0090, 124F012E0170C180. Replaced all flex brake lines ; five P/N 111417-4S-0150, two P/N P/N 111417-4S-0164, one P/N 111417-4S-0200, four P/N 111417-4S-0072 All work done AW Cirrus SR-22 AMM and performed satisfactory ground functional checks.... (12) LEFT AND RIGHT VOR GROMMETS DRY ROTTED AND CRACKED.... Replaced left and right grommets with new P/N MS35489-20. Applied Latex sealant.... (13) NLG PUCKS AND REBOUND BUMPER DRY ROTTED AND CRACKED.... Replaced NLG pucks and rebound

1. Approving National Aviation Authority/Country: **FAA/UNITED STATES**

2. **AUTHORIZED RELEASE CERTIFICATE**
FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number: **1107-009**

4. Organization Name and Address: **SEMCO Aerospace, LLC 30 Sherwood Lane Suite 6 Fairfield, NJ 07004**

5. Work Order / Contract / Invoice Number: **PA-06323**

6. Item	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1.	BOTTLE	026N0010-1	N/A	1	BH0024155	Repaired

13. Remarks: Work Order **1107-009** detailing the actual work performed is attached. All work performed was done in accordance with FAA approved data. CMM: **003NMA0001** Rev: **e** Date: **Jul/20/2011**

Technician: **M.Z.** Inspector: **Richard Solimine** Date Completed: **Jul/12/2011**

"SEMCO Aerospace certifies that the work specified in Block 12 and 13 was performed in accordance with EASA Implemental Rule part 145 approved and with respect to that work, the aircraft component is ready for release to service under EASA approval number: EASA.145.5255."

Cylinder HydroTest Date 07/2011.

Next Hydro Retest Due: 07/2016

14. Certifies the items identified above were manufactured in conformity to:

Approved design data and are in a condition for safe operation.

Non-approved design data specified in Block 13.

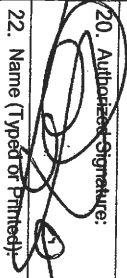
15. Authorized Signature: _____

16. Approval Authorization No.: _____

17. Name (Typed or Printed): _____

18. Date (m/d/y): _____

19. 14CFR 43.9 Return to Service Other regulation specified in Block 13

20. Authorized Signature: 

21. Approval/Certificate No.: **OD1R370K**

22. Name (Typed or Printed): **Richard Solimine**

23. Date (m/d/y): **Jul/12/2011**

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.

SEMCO Aerospace

30 Sherwood Lane Suite 6
 Fairfield, New Jersey 07004
 Phone: (201) 507-8855 Fax: (201) 507-8863
 FAA Repair Station # OD1R370K

WO. 1107-009

WORKORDER

Work Order	1107-009	Customer Name	US Flight Aircraft Maintenance		PO Number	PA-06323
Mfr. Model/Part No.	026N0010-1	Item	O2 BOTTLE	Serial No.	BH0024155	
Approved Data.	026N0010, 026N0100 & 026N3001	DOM	03/05	Work Required	Repaired	

PRELIMINARY INSP / DISCREPANCY REPORT

AIR WORTHINESS DIRECTIVES/SERVICE BULLETINS CHECKED
 THE FOLLOWING AD/SB'S WERE DUE AND COMPLETED
 LAST HT:DOM
 RETURN REG TO CUST
 IN AS IS CONDITION
 RETORQUED TO CYL.

CORRECTIVE ACTION

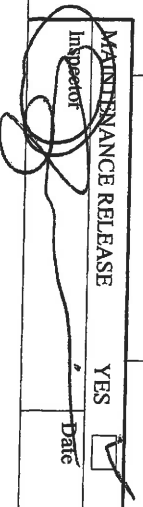
Cleaned, Inspected.
 Hydro-Retest Cylinder 07/2011.
 Valve visually checked.
 Refilled and Leak checked with Aviators Oxygen.

TECHNICIAN	INSPECTOR
M.Z.	Richard Solimine

Next Hydro Retest Due: 07/2016

PARTS SERVICES PERFORMED

Quantity	Part No.	Description Line	Quantity	Part No.	Description Line
1	OX-020168	O'Ring	1	HT	Hydrotest Functional Test Refill
			1	FCT	
			1	RFL	

MAINTENANCE RELEASE		YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>
Inspector		Date	Jul/12/2011		

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	DATE
		<p>bumper P/N s J-11968-10, 18380-001 IAW Cirrus SR-22 AMM 32-20.... (14) TKS FILTER RECOMMENDED CHANGE EACH 2-YRS.... Replaced TKS filter element P/N 26115-101 IAW Cirrus SR-22 AMM 30-05... (15) GLARE SHIELD HAS LARGE WHITE SPOTS... Painted flat black and secured glare shield.... (16) RH MAIN LANDING GEAR FAIRING BRACKET CRACKED.... Replaced bracket P/N 17205-002 IAW Cirrus SR-22 AMM 32-10.... (17) NOSE STEERING FOUND WITH IMPROPER TENSION-TOO TIGHT.... Removed nose folk, cleaned spindle cup and replaced thrust washer. Assembled folk and assembly. Re-torque and secured IAW Cirrus SR-22 AMM 32-10.... (18) RH INBOARD FUEL LEVEL SENDER LEAKING THROUGH GASKET.... Replaced gasket with new P/N 12638-102.</p> <p>Performed leak check with no leaks noted.... (19) PITOT MAST MOUNTING SCREWS CORRODED/RUSTED.... Replaced corroded screws and lock nuts with new.... (20) EVIDENCE OF CORROSION ON LEFT AND RIGHT WING GROUND PLANES.... Remove left and right wing tips. Removed and treated corrosion on the left and right wing ground planes. Installed left and right wing tips in accordance with Cirrus Maintenance Manual.... (21) FUEL TANK ACCESS PANEL ON RIGHT WING LEAKING.... Removed panel cleaned all sealant and Re-sealed panel using PR 1440 B 1/2 IAW Cirrus SR-22 AMM 28-10.... (22) R/H FWD BAFFLE SCREWS REQUIRE REPLACING DUE TO IMPROPER ENGAGEMENT.... Removed improper right hand engine baffle hardware. Install proper hardware in accordance with Cirrus Maintenance Manual.... (23) EGT PROBES CHAFFING AGAINST SPRINGS.... Applied RTV silicone avoiding chaffing.... (24) FWD ENGINE BAFFLE CRACKED.... Replaced baffle with new P/N 15480-002.... (25) LH FWD BAFFLE CRACKED BY INDUCTION FILTER BRACKET.... Stop drilled crack to stop further migration.... (26) THROTTLE CONTROL CABLE, ROD END WORN.... Replaced throttle control cable rod end P/N 11314-003 IAW Cirrus SR-22 AMM 76-10.... (27) CHT PROBES CHAFFING AGAINST SPRINGS.... Applied RTV silicone to avoid chaffing.... (28) INDUCTION AIR MANIFOLD ALTERNATE AIR DOOR HAS PLAY.... Replaced bushing and cleaned door assembly.... (29) LH TAIL PIPE ATTACH TABS "for vibration springs" SEVERELY ELONGATED & BONDING WIRE FRAYED.... Replaced worn tail pipe and springs with new, Installed new bonding wire.</p> <p>Installation airworthy.... (30) LEFT EXHAUST / MUFFLER INTERIOR FLAME CONE DROOPING/DISTORTED.... Replaced left muffler with OVERHAULED P/N 14836-001 by Aerospace welding FAA UWDR792L IAW Cirrus SR-22 AMM 78-20.... (31) BATTERY DRAIN HOSE TOO SHORT... Replaced Batter drain hose with new P/N 50209-001U.... (32) TRANSPONDER ANTENNA BENT... Replaced transponder antenna with new P/N 11-17995.... (33) EXCESSIVE PLAY ON FLAPS DUE TO WORN TORQUE TUBES AND ATTACH HARDWARE.... Replaced Left and Right flap torque tubes, P/N 10320-004, P/N 10322004 IAW Cirrus SR-22 AMM 27-50. Performed satisfactory ground functional checks.... (34) IMPROPER ELECTRICAL CRIMPS ON TERMINALS FOR RIGHT HAND FUEL SENDER WIRES.... Re-cripped electrical terminals.... (35) NOSE WHEEL BEARINGS WORN AND PRESENCE OF BRINNELLING.... Replaced bearing and races with new P/N 08125-20629, 08231-20629.</p> <p>Installed wheel with new grease seals P/N 154-00600.... (36) ELEVATOR TRIM CARTRIDGE BUSHINGS COMPLETELY WORN.... Replaced elevator trim cartridge bushings and spacer. P/N s 50200-001, 11268-001.... (37) RECOMMEND APPLYING ANTI- ERROSION TAPE TO LEADING EDGES OF WINGS AND HORIZONTAL STABILIZER TO PRESERVE PAINT.... specific</p>	

Approving National Aviation Authority/Country: FAA/UNITED STATES	2.	<h1 style="margin: 0;">AUTHORIZED RELEASE CERTIFICATE</h1> <p style="margin: 0;">FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG</p>	3. Form Tracking Number: <div style="text-align: right;">139568</div>
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4. Organization Name and Address: <div style="text-align: center;">Aerospace Welding Minneapolis, Inc. 1045 Gemini Road Eagan MN 55121</div>	5. Work Order/Contract/Invoice Number <div style="text-align: right;">139568</div>
--	---

6. Item:	7. Description:	8. Part Number:	9. Eligibility:*	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	MUFFLER	14836-001	N/A	1 each	N/A	OVERHAULED

13. Remarks:
 REF: WORK ORDER #139568.

Aerospace Welding Minneapolis, Inc. 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 considered ready for release to service under EASA part 145

Approval Number: EASA. 1456155. This form covers certification of the part identified in block 7/8 only and any additional EASA requirements are the responsibility of the installer.

14. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a 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 regulation 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:	16. Approval/Authorization No.:	20. Authorized Signature 	21. Approval/Certificate No.: UWDR792L
17. Name (Typed or Printed):	18. Date:	22. Name (Typed or Printed): Tom Knaresboro	23. Date (m/d/y): May 13 2011

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 Blocks 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.

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

AUTHORIZED RELEASE

FAA Form 8130-3, AIRWORK

Minneapolis, Inc. 1045 Gemini

Part Number: 9.

Eligible

3-001

ifies that the work specified in
isidered ready for release to ser
orm covers certification of the

ured in conformity to;

ATOR TRIM CARTRIDGE
s 50200-001, 11268-001.... (37) RECOMMEND APPLYING
RIZONTAL STABILIZER TO PRESERVE PAINT.... specific

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ANTI-ERROSION TAPE TO LEADING EDGES OF WINGS AND HORIZONTAL STABILIZER TO PRESERVE PAINT.... specific tape no longer available will discuss further.... (38) INTERIOR VELCRO ON CARPETS AND TRIM PANELS DE-LAMINATED.... Install new Velcro on carpets and trim panels in accordance with Cirrus Maintenance Manual.... (39) PILOT ENTRY STEP ANTI SKID WORN.... Remove pilot entry step anti skid pad. Cleaned and prepared. Installed new anti skid pad #P/N 1263-005 in accordance with Cirrus Maintenance Manual.... (41) #4 EGT SENSOR METAL CLAMP CRACKED.... Replaced clamp with new and secured.... (42) RH MAIN LANDING GEAR FAIRING BRACKET CRACKED.... Replaced bracket P/N 17205-002 IAW Cirrus SR-22 AMM 32-10.... (43) FUEL TANK ACCESS PANEL ON LEFT WING LEAKING. (by main wheel fairing)... Re-sealed panel using PR 1440 B 1/2 IAW Cirrus SR-22 AMM 28-10.... (44) INSTALL MISSING COWL ANTI CHAFE TAPE ON LOWER HALF.... Installed Anti Chafe tepe P/N 50700-063U Accordingly.

The work performed has been approved for return to service.

DATE: 15 July, 2011

SIGNED:

Michael A Kingersky, A&P: 45583999

Work Order: 06668-06-2011

Printed by EBis 3 (datcomedia.com)

MAKE: Cirrus AIRCRAFT
MODEL: SR-22
S/N: 1592
REG. NO: N313DG
WORK ORDER:
06667-06-2011

US Flight Aircraft Maintenance

136 Tower Rd
White Plains, NY 10604
Phone: 914-288-8088

DATE: 15 July, 2011
A/C TSN: 764.7
HOBBS: 764.7

Airframe Entries

(1) C/W CIRRUS AIRCRAFT 100HR/ANNUAL INSPECTION OF AIRFRAME.... Complied with 100 hour/Annual inspection as per Cirrus Aircraft SR-22 maintenance manual insp checklist,

ADs checked thru 07/2011.

I certify this AIRFRAME has been inspected in accordance with an ANNUAL inspection and has been determined to be in airworthy condition.

I certify that this airframe has been approved for return to service.

DATE: 15 July, 2011

SIGNED:

Bernard Paquette, IA: 445400371A

Work Order: 06667-06-2011

Printed by EBis 3 (datcomedia.com)

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 Design Corp
 MODEL: Sr22
 S/N: 1592
 REG. NO: 313DG
 WORK ORDER:
 0125-01-2012



Performance Flight

136 Tower Lane Hangar M
 West Harrison, NY 10604
 Phone: 914-397-1444

DATE: 1/12/2012
 A/C TSN: 822.7
 FLIGHTTIME:

Airframe Entries

(1) Comply with 50 Hour Cirrus Inspection... Complied with Cirrus Design Corporations SR22 AMM 50 HR inspection checklist, SR22 Maintenance Program 50 HR checklist, and the scope and detail of FAR 43 Appendix D as guides. Performed pre-inspection ground function check of engine and related systems. Drained oil and removed filter, inspected filter for metal, no metal found. Torque and secured new CH48108-1 oil filter, and serviced engine with 8qts of Phillips 20w50XC oil. Battery checked, Air intakes checked, Serviced landing gear tires. I certify this engine and airframe were inspected I/A/W the 50 HR inspection and has been determined to be in airworthy condition.... (3) Right Main Break assembly overtemp.... Removed brake RH brake caliper from aircraft. Removed brake caliper o-rings and replaced with new o-rings (pn: M834611-222). Resecured caliper on aircraft and bled system with MIL-H-5606 fluid as needed. Performed ground functional check of work performed, no defects noted. All work performed in accordance with CDC SR22 AMM CH:32-42.... (5) Cylinder #5 exhaust riser has a 1 inch crack just below right side flange Removed and replaced 1 New Exhaust Header on the #5 Cylinder P/N 15070-003 I.A.W. the Cirrus Maintenance Manual Chapter 78-10.

Maintenance Release

The aircraft and/or component(s) on 313DG was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service.

DATE: 1/12/2012

SIGNED:

Laurence McKenzie

Work Order: 0125-01-2012

Laurence McKenzie, A&P: 3039316

Printed by EBIS 3 (datcomedia.com)

RECORD
01.409

- STATUS & DISCREPANCY LIST
APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

DATE: 1/12/2012
A/C TSN: 822.7
FLIGHTTIME:

Design Corporations SR22 AMM 50 HR inspection checklist,
all of FAR 43 Appendix D as guides. Performed pre-inspection
removed filter, inspected filter for metal, no metal found.
th 8qts of Phillips 20w50XC oil. Battery checked, Air intakes
were inspected I/A/W the 50 HR inspection and has been
ably overtemp.... Removed brake RH brake caliper from
s (pn: M83461/1-222). Resecured caliper on aircraft and bled
al check of work performed, no defects noted. All work
der #5 exhaust riser has a 1 inch crack just below right side
ylinder P/N 15070-003 I.A.W. the Cirrus Maintenance Manual

ance with current FARs rules of the Federal Aviation Regulations and

Ken...
Work Order: 0125-01-2012
Printed by EBis 3 (datcomedia.com)

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

MAKE: Cirrus Design Corp
MODEL: Sr22
S/N: 1592
REG. NO: 313DG
WORK ORDER:
0125-01-2012



Performance Flight

136 Tower Lane Hangar M
West Harrison, NY 10604
Phone: 914-397-1444

DATE: 1/12/12
A/C TSN: 822.7
FLIGHTTIME:

Airframe Entries

(2) Complete an operational check of aircraft flaps.... Performed ground functional check of flap system, no defects noted. Visually inspected flap system for condition and security, no defects noted. Mandatory service bulletin SB2X-27-16R1 Modification to Prevent Possible Asymmetric Flap and Flap Actuator Over-Extension Condition not complied with as of this date.... (6) Comply with mandatory service bulletin SB2X-27-16R1 Modification to Prevent Possible Asymmetric Flap and Flap Actuator Over-Extension Condition... Complied with mandatory service bulletin SB2X-27-16R1 Modification to Prevent Possible Asymmetric Flap and Flap Actuator Over-Extension Condition. Installed flap system actuator kit (pn: 70255-002) and performed ground functional check of work performed, no defects noted. All work performed in accordance with CDC SB2X-27-16 R1. No further action required.

Maintenance Release

The aircraft and/or component(s) on 313DG was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service.

DATE: 1/12/12

SIGNED: *Chris Szabo*
Chris Szabo, A&P: 3277499

Work Order: 0125-01-2012

Printed by EBis 3 (datcomedia.com)

CORD
.409

STATUS & DISCREPANCY LIST
APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

DATE: 3/6/2012
A/C TSN: 822.7
FLIGHTTIME:

Removed batteries and replaced with new "D-cell" batteries.
Compliance with FAR 91.207. ELT battery expiration date:
10.... (2) Trouble shoot prop anti-ice system.... Performed
no defects noted.... (3) Replace Battery #2 Assembly
batteries (pn:50979-001) in battery #2 assembly.
All work performed in accordance with CDC SR22 AMM

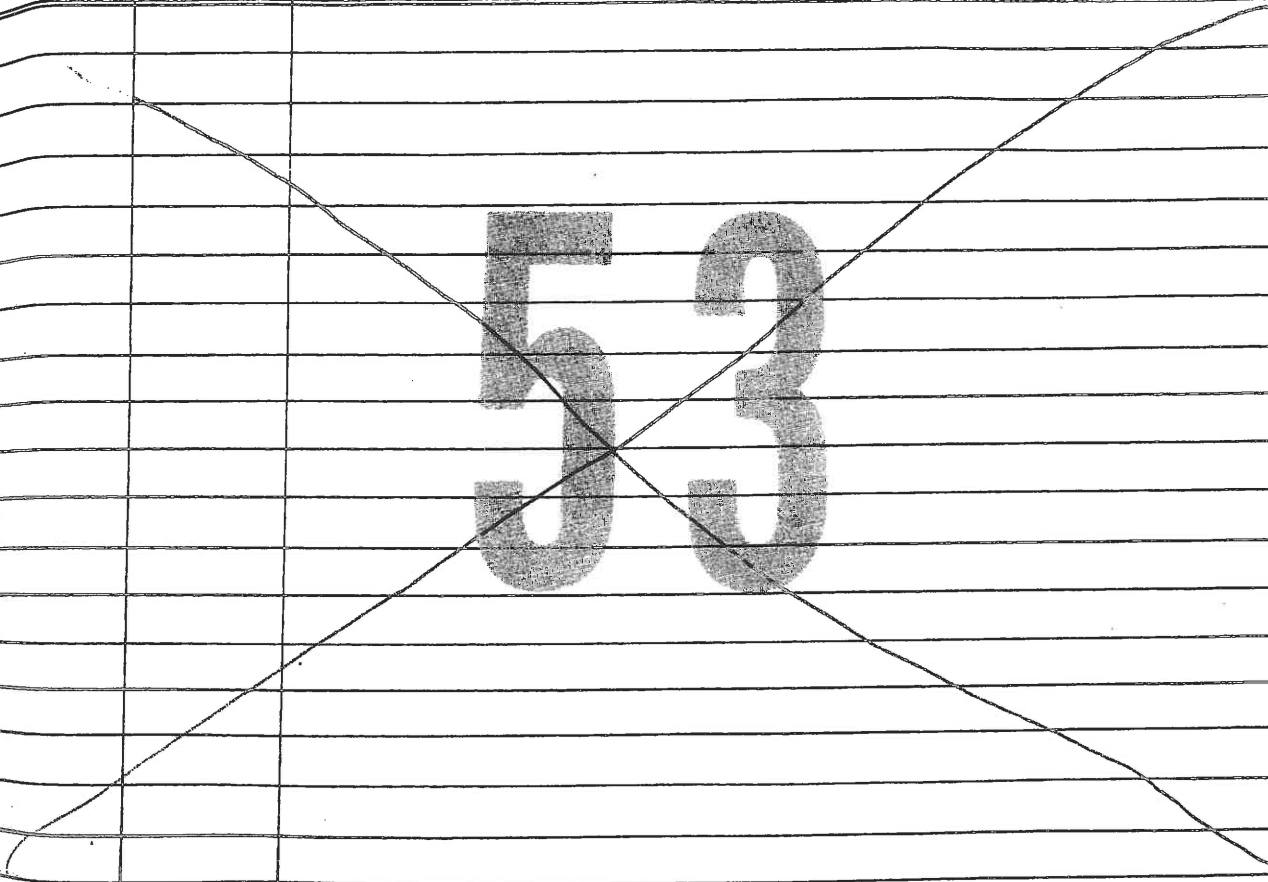
Compliance with current FARs rules of the Federal Aviation Regulations and

Work Order: 0195-03-2012

Printed by EBis 3 (datcomedia.com)

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
		

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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 Design Corp
 MODEL: Sr22
 S/N: 1592
 REG. NO: 313DG
 WORK ORDER:
 0125-01-2012



Performance Flight

136 Tower Lane Hangar M
 West Harrison, NY 10604
 Phone: 914-397-1444

DATE: 1/12/2012
 A/C TSN: 822.7
 FLIGHTTIME:

Airframe Entries

(2) Complete an operational check of aircraft flaps.... Performed ground functional check of flap system, no defects noted. Visually inspected flap system for condition and security, no defects noted. Mandatory service bulletin SB2X-27-16R1 Modification to Prevent Possible Asymmetric Flap and Flap Actuator Over-Extension Condition not complied with as of this date.... (9) Replace Flap Actuator assembly and rig flaps... Removed flap actuator assembly, and replaced with new flap actuator assembly (pn: 11787-003). Performed flap rigging and verified flap travel. Performed ground functional check work performed, no defects noted. All work performed in accordance with CDC SR22 AMM CH:27-50.

Maintenance Release

The aircraft and/or component(s) on 313DG was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service.

DATE: 1/12/2012

SIGNED:

Chris Szabo, A&P: 3277496

Work Order: 0125-01-2012

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RECORD
-91.409

STATUS & DISCREPANCY LIST
APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

DATE: 1/12/2012
A/C TSN: 822.7
FLIGHTTIME:

Functional check of flap system, no defects noted. Visually
inspected service bulletin SB2X-27-16R1 Modification to
Condition not complied with as of this date.... (9) Replace Flap
actuator assembly (pn: 11787-003).
Functional check work performed, no defects noted. All work

Compliance with current FARs rules of the Federal Aviation Regulations and

Work Order: 0125-01-2012

Printed by EBis 3 (datcomedia.com)

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 Design Corp
MODEL: SR22
S/N: 1592
REG. NO: 313DG
WORK ORDER:
0274-04-2012



Performance Flight

136 Tower Lane Hangar M
West Harrison, NY 10604
Phone: 914-397-1444

DATE: 4/30/2012
A/C TSN: 837
FLIGHTTIME: 837

Airframe Entries

(5) LH and RH landing gear fairing well nuts need replaced.... Replaced well nuts PN: E-632 and Q-1032 in L/H and R/H landing gear fairings IAW Cirrus AMM 32.... (6) RH brake overtemp... Replaced O rings PN:M83461/1-222 temperature Labels 51698-003 and 51698-001, and bled the brake system, operational check of brake system good.... (7) RH brake linings worn beyond limits.... Removed R/H brake linings from backing plate. Installed new brake linings and rivets PN: 066-10500 and 105-00200 onto backing plate. Reinstall brake lining onto R/H wheel Assy.... (12) LH passenger overhead light inop.... Removed L/H passenger overhead light. Replaced the bulb and fixture. P/N: bulb- 400 P/N: fixture-5049-002. Opps checked light everything checked out ok. All work was performed IAW the Cirrus SR 22 Maintenance Manul 33-20... (13) Comply with recommended SB2X-24-09.... Installed in line TVS fuse and holder PN:50109-001,50960-001 and 50961-001 IAW SB2X-24-09, operational check of electrical system good.... (15) Both the inboard and the outboard nose wheel bearings are worn.... Remove 2 worn cup races and wheel bearings and installed 2 new Parker Cup Bearings, P/N 214-00300, and 2 New Parker Cone Bearings, P/N 214-00400 serviced with grease. I.A.W. the Cirrus SR22 MM.Chapter 32-20.... (17) #1 Battery Failed Capacity Check... Replaced battery #1 with Concord Sealed Lead Acid Batter RG24-11M.Operational check of electrical system good.

Maintenance Release

The aircraft and/or component(s) on 313DG was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service.

DATE: 4/30/2012

SIGNED:

Martin Sealey, A&P: 3212242

Work Order: 0274-04-2012

Printed by EBis 3 (datcomedia.com)

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		DAT
		MAKE: Cirrus Design Corp MODEL: Sr22 S/N: 1592 REG. NO: 313DG WORK ORDER: 0274-04-2012	 Performance Flight 136 Tower Lane Hangar M West Harrison, NY 10604 Phone: 914-397-1444	DATE: 4/30/2012 A/C TSN: 837 FLIGHTTIME: 837
		Airframe Entries		
		(2) Complete Aircraft Annual Inspection of Airframe... AIRFRAME - Completed Annual Inspection in accordance with Cirrus Design Corp Annual Inspection checklist. Opened all inspection panels, removed cowling, and wheel pants. Lubricated aircraft as required. Checked control cables for proper tension. Cleaned, inspected, and repacked wheel bearings as required. Performed visual inspection of landing gear, no defects noted. Removed interior and all interior panels for inspection. Visually inspected airframe and components, no defects noted. Removed ELT SN:053530 and inspected for condition and proper operation in accordance with FAR 91.207. ELT battery expiration date: 03/2016, Completed SB & AD search, all AD's and SB's complied with as of 4/26/2012. Closed all inspection panels, installed wheel pants and cowls. I certify this airframe was inspected in accordance with a Annual inspection, and has been found to be in an airworthy condition.		
		Maintenance Release		
		The aircraft and/or component(s) on 313DG was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service.		
		DATE: 4/30/2012	SIGNED:  Work Order: 0274-04-2012	
			Printed by EBis 3 (datcomedia.com)	

CORD
1.409

INSPECTION RECORD

F.A.R. 43.11-91.409

STATUS & DISCREPANCY LIST
APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

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

DATE: 4/30/2012
A/C TSN: 837
FLIGHTTIME: 837

MAKE: Cirrus Design Corp
MODEL: Sr22
S/N: 1592
REG. NO: 313DG
WORK ORDER:
0274-04-2012



Performance Flight

136 Tower Lane Hangar M
West Harrison, NY 10604
Phone: 914-397-1444

DATE: 4/30/2012
A/C TSN: 837
FLIGHTTIME: 837

Completed Annual Inspection in accordance with Cirrus Design
and cowlings, and wheel pants. Lubricated aircraft as
required, and repacked wheel bearings as required. Performed
and inspected for condition and proper operation in
completed SB & AD search, all AD's and SB's complied with
cowlings. I certify this airframe was inspected in accordance
with current FARs rules of the Federal Aviation Regulations and

Avionics Entries

(11) GNS 430 comm. # 2 memory battery low.... Removed #2 GNS 430 and sent for repair to Precision avionics. See W/O 12021
attached to page for repair work performed. Reinstalled repaired #2 GNS 430 and booted system. Everything checked out ok.
Removal and Reinstallation was performed I/A/W the Cirrus SR 22 maintenance manual

Maintenance Release

The aircraft and/or component(s) on 313DG was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and
was found Airworthy for return to service.

DATE: 4/30/2012

SIGNED:

Work Order: 0274-04-2012

Martin Sealey, A&P: 3212242

Printed by EBis 3 (datcomedia.com)

Inspected in accordance with current FARs rules of the Federal Aviation Regulations and

43134/1009

Work Order: 0274-04-2012

Printed by EBis 3 (datcomedia.com)

PRECISION

AVIONICS INC.

FION DR

40 CITATION DRIVE
DUTCHESS COUNTY AIRPORT • WAPPINGERS FALLS, NY 12590

KENNETH GLEASON
PRESIDENT

845-462-5116
FAX 845-462-7347
E-MAIL: AVONICWIZ@AOL.COM

Performance Flight
136 West Tower Lane Hangar M
West Harrison, NY 10604

* INVOICE 12021 *

DATE: 04/26/12

TERMS: COD

Tail#: HANDCAR

OUR TEL: 845-462-5116

YOUR TEL: 914-397-1444

ACCOUNT: PEFL

< DETAILS >

HANDCAR GNS-430,

1. GNS-430 s/n 97129040 replaced memory battery, update operating software. Meets all manufacturer specifications. OPS test OK Yellow Tag.

QTY	PART NUMBER	DESCRIPTION
1.0	GNS-430	MEMORY BATTERY INSTALLED

----- MAINTENANCE RELEASE CRS # OQ1R383K -----
The Aircraft, Airframe, or Appliance identified was repaired and inspected in accordance with current regulations of the FAA, and for the level or scope of the work performed, is approved for return to service.

Technician GG DATE 4-26-12
Signed CKG DATE 4-26-12

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

DATE

VIP Aero Instruments and Avionics BRAINARD AIRPORT HARTFORD, CT 06114
LOG ID# 365 21-October-2011 WO# 17990/4 TH5R223N
N313DG S/N 1592 CIRRUS SR22


Pg 1 / 1

1- GNS430 weak and noisy operation. Removed Garmin GNS430, p/n: 011-00280-10, s/n: 97127587 from aircraft. Confirmed memory battery error on bench. Removed existing memory battery and replaced with new. Bench tested IAW the Garmin 400 Series Maintenance Manual, p/n: 190-00140-05, REV F, dated October 2008. Reset unit's receiver squelch setting. Unit bench tested good to the minimum performance specifications found in the Maintenance Manual. Reinstalled in aircraft. Unit ramp tested good.

2- Static system leaks. Troubleshoot problem to faulty fitting on left side static port in rear of the aircraft. Replaced fitting with new. All work was performed IAW AC43.13-1B/2B and complied with static leak check per FAR part 43, paragraph E. System checked good.

3- Performed compass swing IAW AC43.13-1B section 3, paragraph 12-37. Installed updated compass correction card, dated 10/20/11.

4- Replace A/P disc 4 way trim switch. Removed old pilot A/P disconnect 4 way trim switch and replaced it with new 4 way trim switch, Cirrus p/n: 50340-001, IAW Cirrus Airplane Maintenance Manual for Model SR22, section 27-10, paragraph C, page 11, dated June 15, 2010. System ramp tested good.


CRS# TH5R223N Robert Lenert

10/21/11
Date

RECORD

1.409

STATUS & DISCREPANCY LIST
APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

HARTFORD, CT 06114

Pg 1 / 1

430, p/n: 011-00280-10, s/n: 97127587
1- Removed existing memory battery and
ies Maintenance Manual, p/n:
receiver squelch setting. Unit bench
ound in the Maintenance Manual.

Fitting on left side static port in rear
was performed IAW AC43.13-1B/2B and
aph E. System checked good.

Paragraph 12-37. Installed updated

At A/P disconnect 4 way trim switch and
10-001, IAW Cirrus Airplane Maintenance
11, dated June 15, 2010. System ramp

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

VIP Aero Instruments and Avionics BRAINARD AIRPORT HARTFORD, CT 06114
LOG ID# 363 20-October-2011 WO# 17989/5 TH5R223N
N313DG S/N 1592 CIRRUS SR22

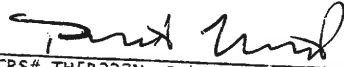
Pg 1 / 1

1- Removed Avidyne, EX5000 PFD display, p/n: 700-00006-000, s/n: 20318305 and installed
upgraded Avidyne EX5000 PFD, p/n: 700-00006-000, s/n: 20983365 in location and using provisions
left behind from the removed PFD. Unit was configured identically to the removed unit. All
interfaces were successfully tested IAW Avidyne Install Manual p/n: 600-00141-010, REV 5, dated
10/16/2009, and p/n: 600-00073, REV 24, dated 6/23/2010.

2- Removed Avidyne EX5000 MFD display, p/n: 700-00004-008, s/n: 20514305 and installed
upgraded Avidyne EX5000 MFD, p/n: 700-00004-008, s/n: 20060207 using the provisions left behind
from the removed unit. The MFD was configured identically to the removed MFD. Each
interference was successfully tested IAW the Avidyne Install Manual, p/n: 600-60141-010, REV 5,
dated 10/16/2009, and p/n: 600-00073, REV 24, dated 6/23/2010.

3- Removed STEC SYS 55X autopilot computer p/n: 01192-34-61T-30 s/n: 0527-8528 and installed
Avidyne DFC90 autopilot computer, p/n: 700-00170-00, s/n: M113046227 using the provisions left
behind from the the removed S-Tec System 55X autopilot computer. All work was performed IAW
Avidyne Install Manual, p/n: 600-00251-000, REV 4, dated 12/06/10 and AC43.13-1B/2B.
weight/balance and equipment list updated. See 337 this date for details.

4- Bench test turn coordinator. Bench tested S-Tec, p/n: 6405-8-28L, s/n: 0525-17039G. Unit
tested good IAW S-Tec TSM 6405 series.


CRS# TH5R223N Robert Lenert

10/21/11
Date

CONDITION RECORD

43.11-91.409

INSPECTION - STATUS & DISCREPANCY LIST
OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

DATE AIRC
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tenance

DATE: 02 December, 2011
A/C TSN: 809.9
HOBBS: 809.9

1 battery system; found weak Alt#1 due failing internal windings. Removed
tch and found good; Installed P/N 646843 S/N 005JA258 OVERHAULED by
rack # 75268. All work performed IAW Cirrus SR-22 AMM 24-30. Performed
3E AIRCRAFT BATTERY.... Removed battery. Charged. Installed battery in

Work Order: 07125-11-2011

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STATUS & DISCREPANCY LIST
APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

DATE: 02 December, 2011
A/C TSN: 809.9
HOBBS: 809.9

und weak Alt#1 due failing internal windings. Removed
; Installed P/N 646843 S/N 005JA258 OVERHAULED by
ork performed IAW Cirrus SR-22 AMM 24-30. Performed
TERY..... Removed battery. Charged. Installed battery in

Work Order: 07125-11-2011

Printed by EBis 3 (datcomedia.com)

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE	KIND OF INSPECTION STATUS & DISCREPANCY LIST
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61

1. Approving National Aviation Authority/Country:
FAA/United States

2. **AUTHORIZED RELEASE CERTIFICATE**
FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:
QAA # 75268

4. Organization Name and Address:
Quality Aircraft Accessories Inc. (QYIR334Y) Phone: 1-877-833-6948
5746 East Apache 918-835-6948
Tulsa, OK 74115 Fax: 918-835-2804

5. Work Order/Contract/Invoice Number:
INV# 129505

6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	ALTERNATOR	646843	N/A	1	005JA258	OVERHAUL

13. Remarks:

MANUAL # X30531-3 ISSUE DATE: 07/89

The work identified in Block 12 and described in Block 13 except as otherwise specified was carried out in accordance with EASA 145 and in respect to that work the aircraft component is considered ready for release to service under EASA acceptance Certificate number EASA 145.5982

See Attached Work Order Summary for details. (3) pages (MECH: CL)

14. Certifies the items identified above were manufactured in conformity to:

Approved design data and are in a condition for safe operation.
 Non-approved design data specified in Block 13.

19. 14 CFR 43.9 Return to Service Other regulation 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:

16. Approval/Authorization No.:

20. Authorized Signature:
Ovette Mitchell

21. Approval/Certificate No.:
QYIR334Y

17. Name (Typed or Printed):

18. Date (m/d/y):

22. Name (Typed or Printed):
OVETTE MITCHELL

23. Date (m/d/y):
OCT 21, 2011

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 Blocks 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.

INSPECTION RECORD

F.A.R. 43.11-91.409

A/C# 5122 ROCHELLE AVIONICS, INC. DATE: 6-15-12
 N# 313 DG 1205 W GURLER RD W/O: AUS33
 S/N# 1592 ROCHELLE, IL 61068 Hobbs/Tech: 89777

THE AUTOMATIC PRESSURE ALTITUDE REPORTING SYSTEM(S) HAS BEEN TESTED
AND INSPECTED AND FOUND TO C/W PARAGRAPH ①, APPENDIX E OF PART 43.

I CERTIFY THAT THE ALT & STATIC SYSTEM TESTS REQUIRED BY F.A.A., PART 91.411
HAVE BEEN PERFORMED, STATIC SYSTEM TEST DATE: 6-15-12

AUDYNS PFD

ALT P/N: 100-00006-000 TESTED TO: 20K FT.
 ALT S/N: 20983365 DATE: 6-15-12
 BY: [Signature]

ENC P/N: ACK A-30 TESTED TO: 20K FT.
 ENC S/N: 97321 DATE: 6-15-12

SIGNED: [Signature]

CRS# 3RCR424B

SCALE ERROR			FRICTION		
Alt.	Tol.	Ind.	Alt.	Tol.	Ind.
-1000'	20'	0	1,000'	70'	N/A
0'	20'	0	2,000'	70'	
500'	20'	0	3,000'	70'	
1,000'	20'	0	5,000'	70'	
1,500'	25'	0	10,000'	80'	
2,000'	30'	120	15,000'	90'	
3,000'	30'	70	20,000'	100'	
4,000'	35'	0	25,000'	120'	
6,000'	40'	20	30,000'	140'	
8,000'	60'	0	35,000'	160'	
10,000'	80'	20	BAROMETRIC SCALE ERROR		
12,000'	90'	120	Pres. Hg.	Alt. Dif.	Tol.
14,000'	100'	130	28.10'	-1727'	+/.25'
16,000'	110'	0	28.50'	-1340'	+/.25'
18,000'	120'	0	29.00'	-863'	+/.25'
20,000'	130'	0	29.50'	-392'	+/.25'
22,000'	140'	10	29.92'	0'	+/.25'
25,000'	155'	11	30.50'	531'	+/.25'
30,000'	180'	11	30.90'	893'	+/.25'
35,000'	205'	11	30.99'	974'	+/.25'
HYSTERESIS					
Case Leak	100'	0			
Hyst.					
1st Tst 50%	75'	20			
2nd Tst 40%	75'	10			
After Effect	30'	0			

DAT

RECORD
1.409

INSPECTION RECORD
F.A.R. 43.11-91.409

SCALE ERROR			FRICTION		
Alt.	Tol.	Ind.	Alt.	Tol.	Ind.
-1,000'	20'	0	1,000'	70'	N/A
0'	20'	0	2,000'	70'	
500'	20'	0	3,000'	70'	
1,000'	20'	0	5,000'	70'	
1,500'	25'	0	10,000'	80'	
2,000'	30'	+20	15,000'	90'	
3,000'	30'	+10	20,000'	100'	
4,000'	35'	0	25,000'	120'	
6,000'	40'	+20	30,000'	140'	
8,000'	60'	0	35,000'	160'	
10,000'	80'	+30	BAROMETRIC SCALE ERROR		
12,000'	90'	+20	Pres. Hg.	Alt. Dif.	Tol.
14,000'	100'	+30	28.10'	-1727'	+/.25'
16,000'	110'	0	28.50'	-1340'	*+/.25'
18,000'	120'	0	29.00'	-863'	+/.25'
20,000'	130'	0	29.50'	-392'	+/.25'
22,000'	140'	0	29.92'	0'	+/.25'
25,000'	155'	///	30.50'	531'	+/.25'
30,000'	180'	///	30.90'	893'	+/.25'
35,000'	205'	///	30.99'	974'	+/.25'
HYSTERESIS					
Leak	100'	0			
1st 50%	75'	20			
1st 40%	75'	10			
After Effect	30'	0			

DATE

A/C# SR22
N# 313069
S/N# 1592

ROCHELLE AVIONICS, INC. DATE: 6-15-12
1205 W GURLER RD W/O: AUS33
ROCHELLE, IL 61068 Hobbs/Tach: 897.4

THE AUTOMATIC PRESSURE ALTITUDE REPORTING SYSTEM(S) HAS BEEN TESTED AND INSPECTED AND FOUND TO C/W PARAGRAPH C, APPENDIX E OF PART 43.

I CERTIFY THAT THE ALT & STATIC SYSTEM TESTS REQUIRED BY F.A.A., PART 91.411 HAVE BEEN PERFORMED, STATIC SYSTEM TEST DATE: 6-15-12

SB4 ALT

ALT P/N: UNITED 12731-002
ALT S/N: 496133
BY: (signature)

TESTED TO: 20K FT.
DATE: 6-15-12

ENC P/N: ACKA-30
ENC S/N: 97301

TESTED TO: 20K FT.
DATE: 6-15-12

SIGNED: (signature)

CRS# 3RCR424B

SCALE ERROR			FRICTION		
Alt.	Tol.	Ind.	Alt.	Tol.	Ind.
-1,000'	20'	0	1,000'	70'	20
0'	20'	0	2,000'	70'	20
500'	20'	0	3,000'	70'	20
1,000'	20'	0	5,000'	70'	20
1,500'	25'	0	10,000'	80'	20
2,000'	30'	+25	15,000'	90'	20
3,000'	30'	-5	20,000'	100'	20
4,000'	35'	-5	25,000'	120'	///
6,000'	40'	-10	30,000'	140'	///
8,000'	60'	-30	35,000'	160'	///
10,000'	80'	-20	BAROMETRIC SCALE ERROR		
12,000'	90'	0	Pres. Hg.	Alt. Dif.	Tol.
14,000'	100'	-20	28.10'	-1727'	+/.25'
16,000'	110'	-20	28.50'	-1340'	*+/.25'
18,000'	120'	+30	29.00'	-863'	+/.25'
20,000'	130'	+10	29.50'	-392'	+/.25'
22,000'	140'	///	29.92'	0'	+/.25'
25,000'	155'	///	30.50'	531'	+/.25'
30,000'	180'	///	30.90'	893'	+/.25'
35,000'	205'	///	30.99'	974'	+/.25'
HYSTERESIS					
Case Leak	100'	0			
Hyst.					
1st Tst 50%	75'	20			
2nd Tst 40%	75'	10			
After Effect	30'	0			

INSPECTION RECORD

F.A.R. 43.11-91.409

DA A/C: 5R22
 NW: 313DG
 S/N: 1592

Rochelle Avionics, Inc.
 1205 W. Gurler Rd.
 Rochelle, IL 61068

DATE: 6-15-12
 W.O.# AU 533
 1-to-100 hrs: 847.4

THE AUTOMATIC PRESSURE ALTITUDE REPORTING SYSTEM(S) HAS BEEN TESTED AND INSPECTED AND FOUND TO C/W PARAGRAPH (C), APPENDIX E OF PART 43.

IN ACCORDANCE WITH F.A.R. 91.413, THE ATC TRANSPONDER INSTALLED IN THIS AIRCRAFT HAS BEEN TESTED AND INSPECTED AND FOUND TO COMPLY WITH APPENDIX F OF PART 43.

- A MODEL
- B SERIAL NUMBER
- C REPLY FREQUENCY
- D SUPPRESSION
- D1 SUPPRESSION P2 DOWN MdB
- E RECEIVER SENSITIVITY "A"
- F RECEIVER SENSITIVITY "C"
- G MODE S ADDRESS
- ENCODER

ATC-1	
GTY-327	
83721106	
OK	
OK	
OK	
OK	
OK	
OK	
OK	
OK	

ATC-2	

P/N: ACK A-30
 S/N: 97321

TESTED TO: 20K

SIGNED: *[Signature]*

CRS 8RCRA248

CORD
1.409

DATE: 6-15-12

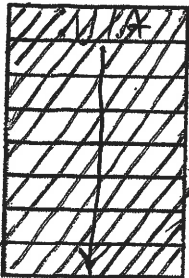
W.O.# AU 533

HOBBS: 847.4

AND INSPECTED AND FOUND TO C/W PARAGRAPH

AND INSPECTED AND FOUND TO C/W PARAGRAPH

ATC-2



TESTED TO:

20K

INSPECTION RECORD F.A.R. 43.11-91.409

KIND OF INSPECTION - STATUS & DISCREPANCY LIST

DATE

AIRCRAFT TIME



Travel Express Aviation Maintenance, Inc

DuPage Airport, West Chicago, IL 60185

Aircraft: 313DG Date: 6/25/12 Invoice 4235

HOBBS: 847.5

The following work was accomplished:

A Pre-purchase inspection was accomplished in accordance with Cirrus Certified SR2X Prebuy Checklist, Rev. 1

All work was performed in accordance with manufacturer's specifications and Federal Aviation Regulations.

Mark Palazzo
Mark Palazzo, AP 3201711A

End

MAKE: Cirrus Design Corp
MODEL: Sr22
S/N: 1592
REG. NO: 313DG
WORK ORDER:
5332-08-2012



Aviation Maintenance, Inc.

1098 S. Milwaukee #301
Wheeling, IL 60090
Phone: 847-541-4752

DATE: 7/24/2012
A/C TSN: 870.1
HOBBS: 870.1

Airframe Entries

Installed new PS Engineering PMA8000BT, s/n CBT2208 audio panel from Avionics Place. Updated aircraft equipment list, weight and balance negligible.

Maintenance Release

The aircraft and/or component(s) on 313DG was repaired and inspected in accordance with pertinent FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair facility under Work Order No. 5332-08-2012.

DATE: 7/24/2012

SIGNED:

Work Order: 5332-08-2012

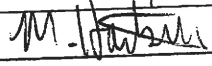
JFritzen, IA: AP2788946IA

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PS-17 Passed Inspection / Certificate of Conformity

Model	Serial Number	Part Number	Lot
PM18000BT	CBT 2208	050-890-0702	18
Inspected by: A74			

The article identified above was manufactured and passed inspection in conformity with the PS Engineering Quality Management System, and is in condition for safe operation.
All applicable tests have been performed. These test results are on file and are available on request.

<input checked="" type="checkbox"/> FAA TSO	<input type="checkbox"/> STC-PMA	<input type="checkbox"/> None	Date: 7-13-2012
Signed: 			

Randy Beavers, Greg Ledbetter, Brad Alexander, David Powell, or Mark Hartsell
Quality Control Inspector PS-17 002-000-0171 Revision 3, Nov. 2009

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
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Travel Express Aviation Maintenance, Inc
DuPage Airport, West Chicago, IL 60185


Aircraft: 313DG Date: 9/7/12

HOBBS: 872.9

The following work was accomplished:

The engine oil was drained, the filter element removed, opened and inspected. No foreign matter or metal particles were found. A new filter P/N CH48108-1 was installed. The engine was serviced with 8 qts. of Exxon Elite 20W50 oil. The engine was run and checked for leaks (none apparent).

All work was performed in accordance with manufacturer's specifications and Federal Aviation Regulations.


Mark Palazzo, AP 3201741 IA

End

DATE

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RECORD

-91.409

**KIND OF INSPECTION - STATUS & DISCREPANCY LIST
APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE**



n Maintenance, Inc
Chicago, IL 60185
9/7/12

and inspected. No foreign matter or metal particles were
as serviced with 8 qts. of Exxon Elite 20W50 oil. The

ications and Federal Aviation Regulations.

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**



Travel Express Aviation Maintenance, Inc
DuPage Airport, West Chicago, IL 60185

Aircraft: 313DG Date: 9/7/12

HOBBS: 872.9

The following work was accomplished:

Removed Electronic Module Assembly Controller P/N 508358-421, S/N 05230003, and installed new P/N 508358-421,
S/N 33721825.

All work was performed in accordance with manufacturer's specifications and Federal Aviation Regulations.

Mark Palazzo
Mark Palazzo, AP 320111 IA

End

INSPECTION RECORD

Rochelle
Avionics1205 W Gurler Rd Rochelle, IL 61068-9501 3RCR424B
LOG ID# 258 07-September-2012 WO# 575
N313DG S/N 1592 CIRRUS DESIGN CORP. SR22
TACH 872.6

Pg 1 / 2

DA

- 1) INSTALLED CUSTOMER SUPPLIED "OPTIONAL" REMOTE PLAYBACK SWITCH I.A.W. PS ENGINEERING PMA8000 BT INSTALLATION MANUAL P/N 200-890-1702 ORIGINAL EDITION DATED APRIL 2011. SWITCH WAS INSTALLED ON PILOT'S YOKE ASSEMBLY ON LEFT SIDE. RAN NEW 2-CONDUCTOR SHIELDED WIRE DOWN YOKE SHAFT AND OVER TO AUDIO PANEL RACK. PINNED J2 CONNECTOR #22 AND GROUND TO ENABLE PUSH-TO-PLAYBACK.
- 2) REMOVED THE #1 GNS-430 NON-WAAS P/N 011-00280-10 S/N 97127857 TO BE SENT OUT FOR REPAIR. RE-INSTALLED SAME GNS-430 AFTER REPAIR AT GARMIN, SEE THEIR WORK ORDER #46006878 AND 8130 SAME DATE FOR FURTHER INFORMATION ON REPAIR. INSTALLED AND TESTED UNIT OPERATIONS PER GARMIN 400 SERIES, NON-WAAS, INSTALLATION MANUAL P/N 190-00140-02 REV(T) DATED JUNE 2010.
- 3) SUSPECTED POOR ANTENNA OR BONDING WITH ANTENNA SYSTEM. REMOVED HEADLINER TO GAIN ACCESS TO TOP #1 COMM ANTENNA. REMOVED CI-109 AND CLEANED AWAY ALL OF SILICONE SEALANT AND REMOVED CORK GASKET FROM ANTENNA. FOUND OXIDATION/CORROSION UNDER SKIN ON INSIDE OF AIRCRAFT WHERE THE SCREW HOLES WERE DRILLED THROUGH SKIN. CLEANED ALUMINUM TAPE ON UNDERSIDE OF SKIN THAT IS THE BONDING AREA FOR TOP OF AIRCRAFT. CLEANED ANTENNA AND RE-INSTALLED USING STAINLESS HARDWARE, NEW LARGE AREA WASHERS AND NUTS. CHECKED RESISTANCE BETWEEN MOUNTING HARDWARE AND UNDERSIDE OF ALUMINUM TAPE AND .003 OHMS WAS PRESENT. TESTED COAX OUTPUT FROM #1 GNS-430 AND POWER OUTPUT WAS 8.5 WATTS WITH NO REFLECTED POWER. ANTENNA AND COAX SYSTEMS ARE GOOD.

Rochelle
Avionics1205 W Gurler Rd Rochelle, IL 61068-9501 3RCR424B
LOG ID# 258 07-September-2012 WO# 575
N313DG S/N 1592 CIRRUS DESIGN CORP. SR22
TACH 872.6

Pg 2 / 2

BASED ON THE WORK PERFORMED THIS AIRCRAFT WAS REPAIRED AND INSPECTED I.A.W. CURRENT FAR'S AND APPROVED FOR RETURNED TO SERVICE.

Jeremy Sells
CRS# 3RCR424B *Jeremy Sells*

9-7-2012
Date

**F.A.A. APPROVED
REPAIR STATION KC2R947K
MAINTENANCE RELEASE**

The unit or assembly identified on this tag was repaired and inspected in accordance with current regulations of the Federal Aviation Agency and was found airworthy for return to service.

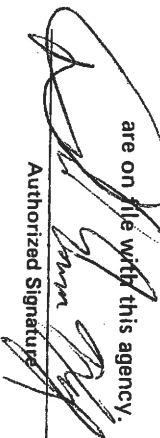
Details of repair on file under:

Work Order No. 47262

Dated 11-16-12

are on file with this agency.

Authorized Signature



AIRCRAFT SYSTEMS, INC.

5187 Falcon Road
Greater Rockford Airport
Rockford, Illinois 61109
Phone: (815) 399-0225
FAX: (815) 399-0084

SERVICEABLE

Part Name <i>Drive Gear</i>	Mfg. <i>TCM</i>
Part No. <i>646655</i>	Serial No. <i>5-05</i>
<i>Tested per §B 11-3</i>	
<i>Installed on Phase Power</i>	
<i>C28-150 alternator</i>	
<i>9/14 150-122000</i>	

(Over)

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
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Travel Express Aviation Maintenance, Inc

DuPage Airport, West Chicago, IL 60185

Aircraft: N313DG Date: 05/04/13 Invoice 4827

TT A/F	945.8	TT ENG:	945.8	TT PROP:	945.8	ELT. INSP:	05/2014
HOBBS:	945.8	XPONDER:	06/2014	ALT/STATIC:	06/2014	ELT BATT DUE:	03/2014

This aircraft has been given an annual inspection in accordance with the manufacturer's checklist and following the guidelines of the F.A.R, Part 43, Appendix D, and 91, Subpart E.

- Accomplished ELT Inspection in accordance with FAR 91.207, (d), 1, 2, 3 and 4, next due 05/2014.
- Removed and replaced nose bumper with new P/N 18380-001.
- Removed and replaced LH brake linings with new P/N 66-10500.
- Removed and replaced RH tire with new P/N 156E66-4 and new tube P/N 097-500-0.
- Removed and replaced several landing gear fairing well nuts with new P/N 50802-001 and Q-1032.
- Removed and replaced intake air filter with new P/N BA-24.
- The current status of applicable ADs was checked through 2013-10.
- SB 2X-05-02, eff. 06/26/12, Induction Duct Flapper Bolt. Accomplished by inspection. Found ok for service.
- SB 2X-32-19 R3, eff. 06/28/12, Nose Landing Gear Assembly Inspection and Reinforcement. Accomplished by inspection. Found ok for service.

The aircraft engine was run and determined to have satisfactory performance in accordance with the manufacturer's recommendations. [FAR 43.15, (2) (i) (ii) (iii) and (iv)]

I certify that this AIRFRAME has been inspected in accordance with an annual inspection and was determined to be in AIRWORTHY condition.

Kenneth Morgan III, AP 322829269 IA

End

DATE

ORD
409

STATUS & DISCREPANCY LIST
SIGNING OR DISSAPPROVING AIRCRAFT FOR SERVICE

Force, Inc
L 60185

Invoice 4827

8 ELT. INSP: 05/2014
014 ELT BATT DUE: 03/2014

Manufacturer's checklist and following the guidelines

1, 2, 3 and 4, next due 05/2014.

Tube P/N 097-500-0
new P/N 50802-001 and Q-1032.

0.
checked by inspection. Found ok for service.
Inspection and Reinforcement. Accomplished by

Inspection in accordance with the manufacturer's

Final inspection and was determined to be in

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

NEXAIR
AVIONICS

Mansfield Airport(1B9)
265 Fruit St
Mansfield, MA 02048
CRS# N4OR087B

N313DG
June 27, 2013
Hobbs: 987.9
WO# 1630

AVIONICS UPGRADE TO INCLUDE THE REMOVAL OF: GARMIN GNS430 NAV/COM/GPS 1, GARMIN GNS430 NAV/COM/GPS 2. ALL RADIOS REMOVED COMPLETE.

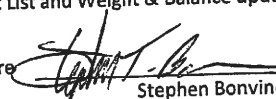
INSTALLATION OF: GARMIN GTN650 GPS/NAV/COM (1), SN: 1Z8012309 WITH CI428-410 GPS/XM ANT SN: 425755 AND GARMIN GTN650 GPS/NAV/COM (2), SN: 1Z8012312 WITH GA35 ANT SN: 95382. INSTALLED NEW CI-5120 NAV SPLITTER SN: 425429. INSTALLED AVIDYNE DFC90 AUTOPILOT COMPUTER SN: M130690961 IAW AVIDYNE SB 601-00170-007 (DFC90 RELEASE 2 UPGRADE).

NUMBER 1 GPS/XM ANTENNA MOUNTED TOP OF AIRCRAFT. NUMBER 2 GPS ANTENNA MOUNTED UNDER GLARESHIELD ON FABRICATED BRACKET. ALL RADIO AND SYSTEMS OPERATIONS CHECK OK - FLIGHT TEST PERFORMED, ALL SYSTEMS OPERATING TO SPECIFICATIONS.

SEE FAA FORM 337 THIS DATE.

Note: Work Order #1630 on File, Equipment List and Weight & Balance updated.

Authorized Signature



Stephen Bonvino

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST
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DATE	AIRCRAFT TIME IN SERVICE
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Travel Express Aviation Maintenance, Inc
DuPage Airport, West Chicago, IL 60185

Aircraft: N313DG Date: 9/13/13 Invoice: 5064

HOBBS: 1038.6

The following work was accomplished:

- Removed and replaced LH main tire with new P/N 156E66-4, S/N 31582354 using new tube P/N 097-500-0.
- Removed and replaced well nuts on gear fairing with new P/N 50803-001.
- Removed and replaced starter with new M/N C24ST3, P/N 657596, S/N 4C3-291321 using new o-rings P/N AS3578-031.

All work was performed in accordance with manufacturer's specifications and Federal Aviation Regulations.

Scott Moler, AP 2740376

End

FAA Airworthiness Directive Compliance Record

Report Produced By: Michael Hall

PO Box 158 Destin, FL 32540
850-837-2214

File ID: N313DG

Aircraft Registration: N313DG

Content Revision: 8/8/2008

FAA AD Number Effective Date	Description	Complied Date Time	Amendment Number Method of Compliance/Applicability	Once or Recur	Next Due Date Time	1. Facility 2. Cert. Type 3. AP 145804431	3. Cert. Num. 4. Author. By
Manufacturer: Cirrus Design Corp.		Category: Airframe		Model: SR22		Part #: 1592	
2006-19-10 10/24/2006	To prevent the crew seats from folding forward during emergency landing with dynamic loads with consequent, contd.	9/22/2006 218.2	IAW SB 2X-25-17R	Once	N/A	1. Leading Edge Aviation 2. AP 3. AP 145804431 4.	
ⓐATP	ⓐATP			ⓐATP	Signature: S. Wiedler		
2006-21-03 11/17/2006	To detect, correct, & prevent overheating damage to the brake caliper piston O-ring seals, which could, contd.	5/2/2008 154.4	IAW SB 2X-32-14R1	Once	N/A	1. Southeast Aero 2. AP 3. AP154623864 4.	
ⓐATP	ⓐATP			ⓐATP	Signature: J. Markey		
2007-14-03 8/16/2007	To correct pick-up collar support fasteners of the CAPS, which could result in the premature separation, contd.	5/11/2007 357.2	IAW SB 2X-95-10R1	Once	N/A	1. Miracle Strip Aviation 2. Repair Station 3. CRS-DZJR423D 4.	
ⓐATP	ⓐATP			ⓐATP	Signature: M. Hall		
2007-24-13 12/4/2007	To prevent moisture from accumulating along the wing shear web where it may freeze in certain conditions	9/11/2008 495.7	N/A by model	Once	N/A	1. Miracle Strip Aviation 2. Repair Station 3. CRS-DZJR423D 4.	
ⓐATP	ⓐATP			ⓐATP	Signature:		
2008-03-16 3/11/2008	To prevent the possibility of jamming of the rudder-aileron interconnect system, which may result in loss of, contd.	4/18/2008 460.5	IAW SB 2X-27-14R3	Once	N/A	1. Miracle Strip Aviation 2. Repair Station 3. CRS-DZJR423D 4.	
ⓐATP	ⓐATP			ⓐATP	Signature: E. Mangelson		
2008-14-13 8/14/2008	To prevent in-flight failure of the cabin door, which could result in door separation from the airplane	8/11/2008 786.7	C/W by installing kit 701860005 IAW SB 2X-52-07R4	Once		1. Miracle Strip Aviation, Inc. 2. Repair Station 3. CRS-DZJR423D 4.	
ⓐATP	ⓐATP			ⓐATP	Signature: K. Hinson		

Note: 35 compliance documents are hidden.
Printed 8/18/2008 7:28:34AM

Page 1 of 3

ⓐATP

FAA Airworthiness Directive Compliance Record

Report Produced By: Michael Hall

Content Revision: 8/8/2008		File ID: N313DG		Aircraft Registration: N313DG			
FAA AD Number Effective Date	Description	Complied Date Time	Amendment Number Method of Compliance/Applicability	Once or Recur	Next Due Date Time	1. Facility 2. Cert. Type 3. Cert. Num. 4. Author. By	
Manufacturer Cirrus Design Corp.		Category Airframe		Model SR22		Part #: Serial #: 1552	
2006-07-08 5/11/2006	To detect, correct, & prevent damage to the fuel line and wire bundles, which could result in fuel leaks	9/22/2006 218.2	IAW SB 2X-28-14R1	Once	N/A	1. Leading Edge Aviation 2. IA 3. IA281271909 4. Signature: M. Henry	
ⓐATP	ⓐATP			ⓐATP			
Manufacturer Teledyne Continental		Category Engine		Model IO-550-N		Part #: Serial #: 917822	
2004-08-10 8/5/2004	To prevent loss of engine power due to cracks in the cylinder head & possible engine failure caused, contd.	8/11/2008 495.7	N/A not RAM	Once	N/A	1. Miracle Strip Aviation 2. Repair Station 3. CRS-DZJR423D 4. Signature:	
ⓐATP	ⓐATP			ⓐATP			
2007-16-10 8/23/2007	To prevent the turbine rotor from separating from the shaft of the turbocharger due to a machining defect in the, contd.	8/11/2008 495.7	N/A. Non turbo	Once	N/A	1. Miracle Strip Aviation 2. Repair Station 3. CRS-DZJR423D 4. Signature:	
ⓐATP	ⓐATP			ⓐATP			
Manufacturer Hartzell Propeller		Category Propeller		Model PHC-J3YF-1		Part #: Serial #: FP3954B	
2007-26-09 1/30/2008	To prevent failure of the propeller blade from fatigue cracks in the aluminum blade shank radius, which can, contd.	8/11/2008 495.5	N/A by blade S/N's	Once	N/A	1. Miracle Strip Aviation 2. Repair Station 3. CRS-DZJR423D 4. Signature:	
ⓐATP	ⓐATP			ⓐATP			

Note: 35 compliance documents are hidden.
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ⓐATP

FAA Airworthiness Directive Compliance Record

PO Box 159 Destin, FL 32540
850-837-2214

Report Produced By: Michael Hall

Content Revision: 8/8/2008		File ID: N313DG		Aircraft Registration: N313DG			
FAA AD Number Effective Date	Description	Complied Date Time	Amendment Number Method of Compliance/Applicability	Once or Recur	Next Due Date Time	1. Facility 2. Cert. Type	3. Cert. Num. 4. Author. By
Manufacturer Avidyne Corporation		Category Appliance		Model		Serial #:	
2008-06-28R1 4/10/2008	Incorrect PFD displays	8/12/2008 405.8	N/A by SN	Once	N/A	1. Miracle Strip Aviation+ 2. Repair Station 3. CRS-DZ,IR423D 4.	Signature: E. Mengelson

AD 2009-05-05 Avidyne PFD found N/A by S/N

Note: 35 compliance documents are hidden.
Printed 8/18/2008 7:28:34AM