

582001

G BIV

# **AIRCRAFT TECHNICAL LOGS**

**Section 1. AIRFRAME**

AIRCRAFT

1. Nationality and Registration C-G BIV
2. Manufacturer's Designation SR22G3
3. Manufacturer's Serial Number 2602
4. Type Approval or Specification Number A216
5. Date of Manufacture 2007
6. Aircraft Inspection Cycle 50/100

BROUGHT FORWARD

... LINES AS REQUIRED FOR COMPL...

### AIRCRAFT DESCRIPTION

MANUFACTURER Continental Corporation MODEL SR 22 G.3 DATE OF MFG. July 20  
 PLANE NUMBER 20002 REGISTRATION NUMBER N6736W  
 REGISTERED OWNER \_\_\_\_\_

Inspection Status  
(Check one)

### INSTALLED EQUIPMENT

ITEM	MANUFACTURER	MODEL	SERIAL NO.
ENGINE	<u>Teledyne Continental Motors</u>	<u>TSIO-550</u>	<u>R</u>
ENGINE			<u>L</u>
PROPELLER	<u>Hartzell Propeller Inc.</u>	<u>PC1253-2-1/2</u>	<u>203011</u>
PROPELLER			
ENGINE			
ENGINE			
PROPELLER			

INSPECTION RECORD  
F.A.R. 43.11-91.409

... OF INSPECTION STATUS & DISCREPANCY LIST



# LIFE LIMITED PARTS OR OVERHAUL REQUIREMENTS

PART NUMBER	SERIAL NUMBER	INSTALLATION DATE/HOURS	TIME ON PART AT INSTALL	LIFE LIMIT OR T.B.O.	REMOVAL DATE/HOURS

## Life Limited Parts SR22

PART NAME	PART NUMBER		EXPIRES
CAPS Rocket Motor	21814-001	S/N <u>3495</u>	<u>05/17</u>
CAPS Parachute	20331-001	S/N <u>02900</u>	<u>06/17</u>
CAPS Reefing Line Cutters	5212	LOT <u>T0507C 003-041</u>	<del>04/2020</del> <u>04/13</u>
Oxygen Bottle Assembly	100N0020-4	MFG Date <u>03/07</u>	<u>03/2022</u>
ELT Battery Pack	452-6504	Date Installed <u>06/07</u>	<u>10/2016</u> <del>JUL 2012</del>
EMA Controller, AAIR	20902-001	S/N <u>09APR07-122</u>	<u>4-2021</u> <u>APR 2014</u>
Pilot Seat Inflator Assy, AAIR	20902-002	S/N <u>AA51 085U 30226</u>	<u>4-2017</u> <del>4/11/2014</del>
Co-Pilot Seat Inflator Assy, AAIR	20902-002	S/N <u>AA51 085U 30057</u>	<u>4-2017</u> <del>4/11/2014</del>

4451 0551 9007 1 9471 2011

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

SER	MODEL	SERIAL NO.	LOCATION	MAX. ALT.	RECHECK REQUIRED


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 25,000 FEET ON 06/26/07

Transponder: Mfg Garmin P/N 13587-050  
Model: GTX-327 S/N 83728728

Encoder: Model ACK P/N A-30 S/N 106690

Altimeter: Mfg Avidyne  
(PFD) 15222-007 S/N 20038197  
Mfg United P/N 12731-003 S/N 461995

CDC Quality Assurance  on 06/26/07  
Cirrus Design Corporation Duluth, MN USA  
PC# 338CE

# AIR TIME AND

## AIRWORTHINESS DIRECTIVE/FACTORY BULLETIN COMPLIANCE RECORD

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.
	15 JUL 07 9:50	Searched AD's through bi-weekly issue <u>2007-14</u> . All AD's are in compliance at this time.			<i>[Signature]</i>

MAKE Cirrus  
MODEL SR22 G3  
S/N 22-2602  
REG NO: 6786W  
WORK ORDER  
9493-07-2007



### Cirrus Design Factory Service Center

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

DATE 7/21/2007  
A/C T/SN 6-5  
HUBBS 5-5

#### SB Entries

(1) Complied with Kelly Aerospace Power System's SB 026 by inspecting both P/N 466304-0003 Turbochargers IAW Service Bulletin instructions. Not affective due to S/N effectivity. L/H S/N is KDN00520 R/H S/N is KEN00522. No further action required AD 2007-16-10

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: 7/21/2007

SIGNED: *Joseph Sullivan*  
Joseph Sullivan

Work Order: 9493-07-2007

OF ETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & WORK PERFORME
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MAKE: Cirrus  
MODEL: SR22 G3  
S/N: 22-2602  
REG. NO: 678GW  
WORK ORDER:  
9466-07-2007



**Cirrus Design Factory Service Center**  
Repair Station No. YD5R855Y  
4515 Taylor Circle  
Duluth, MN 55811  
Phone: 218- 788-3101

DATE: 7/19/2007  
A/C TSN:  
HOBBBS-55

**Airframe Entries**

(1) Removed ME406 ELT PN 17190-100 SN 04256, and ELT tray PN 17190-220. Removed RCPI PN 17190-312. Removed ELT antenna PN 17190-120. Removed ELT buzzer PN 17190-140. Installed E-01 ELT PN 12756-050 SN 058526 on ELT shelf. Installed RCPI PN 12756-106 in circuit breaker panel. Installed ELT antenna PN 12756-104 on ELT shelf. Installed cable tie anchor PN 50132-001 to secure ELT antenna. ELT installed and tested in accordance with ACK installation manual and CDC AMM 25-60. ELT battery due March 2013. RCPI battery due March 2016. Equipment list and Weight & Balance updated to reflect this change.

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: 7/19/2007

SIGNED:

Work Order: 9466-07-2007

Taavi Korpi  
Certified Repair Station No. YD5R855Y

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MAKE: Cirrus  
MODEL: SR22 G3  
S/N: 22-2602  
REG. NO: 678GW  
WORK ORDER:  
9505-07-2007



**Cirrus Design Factory Service Center**  
Repair Station No. YD5R855Y  
4515 Taylor Circle  
Duluth, MN 55811  
Phone: 218- 788-3101

DATE: 7/24/2007  
A/C TSN: 65  
HOBBBS: 65

**Airframe Entries**

(10) Removed paint runs and replaced aerosheild on RH MLG I.A.W CDC SR22 AMM 51-20 and standard maintenance practices. (20) Adjusted oil pressure on engine driven oil pump for proper PSI IAW TCM IO-550 Overhaul Manual X30568A, 19-15. Ops check good

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: 7/24/2007

SIGNED:

Mitch Knase  
Certified Repair Station No. YD5R855Y

Work Order: 9505-07-2007

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# ENGINEERING RECORD MAINTENANCE RECORD

MAKE Cirrus  
MODEL SR22 G3  
S/N 22-2602  
REG NO 678GW  
WORK ORDER  
9535-07-2007



### Cirrus Design Factory Service Center

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

DATE 7/27/2007  
TSM 18.0  
HOBBS 18.0

LICENCE  
NUMBER

#### Airframe Entries

(6) Installed Reiff Corp engine heater, FAA-PMA No PQ2585CE, in accordance with installation instructions. Updated aircraft's weight & balance and equipment list in the P.O.H. to reflect this installation. Inserted operating instructions in the Supplement section in the POH. Performed functional check of engine preheater, function check was satisfactory. (8) Removed starter P/N 656181 S/N 07 30 0007 and replaced with P/N 656181 S/N 06 311 0083 and O ring P/N MS9021-038 IAW TCM over haul MM X30568A. Ops check good.

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: 7/27/2007

SIGNED:

Mitch Knase  
Certified Repair Station No YD5R855Y

Work Order: 9535-07-2007

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## INSPECTION RECORD F.A.R. 43.11-91.409

KIND OF INSPECTION-STATUS & DISCREPANCY LIST

SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE

DATE

AIRCRAFT TIME  
IN SERVICE

N678GW

SR22-G3

S/N: 2602

Sept 14, 2007

Flight: 51.9  
35.6

Hobbs: 35.6  
51.9

- 1) Snag: MAP overboosts.
- 2) Replaced manifold pressure controller per Tornado Alley request.
- 3) Removed controller p/n 470688-005 s/n KFN00062, installed controller p/n 470688-005, s/n KHN00228.
- 4) Engine ground run satisfactory, 29.7" @ 2500 RPM, 31.3" @ max RPM.
- 5) Maintenance described above has been performed in accordance with all the applicable standards of airworthiness.



Pro Aircraft Maintenance Ltd.  
AMO #98-04. Above work tracked on W/O 2523

Cert No:

Sig:

*[Handwritten Signature]*

*ENB*



## 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
23 Feb 07		20 Lube RFD 710000	2181-3 200-3265
20 Feb 08	97.1	A/C HELPS	Reopening this entry
		LOG CLOSED THIS DATE	

	STEER	STEER	STEER	STEER	STEER	STEER	STEER
N	000	030	060	090	120	150	180
S	180	210	240	270	300	330	360

20 Feb 08	97.1	CW CF90-03R2 CW SB 2X-57-08 - 2007-24-13 CAR 625 APP C-7	No fault 329
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INSPECTION, REPAIRS & REPLACEMENT

TRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

Annual inspection carried out per CAR's 625 Appendix "B" Part 1 and Appendix "C"

The inspection determined the following;

The aircraft, engines, propeller and appliances conform to the applicable type approval, data sheets or aircraft specs.

That all applicable airworthiness directives have been complied with.

Any major repairs or mods carried out prior to import are in accordance with approved data and are appropriately certified.

That the aircraft, engine and propeller are free of corrosion.

That the aircraft, engine, propeller, appliances, systems and controls are functioning properly.

That the time in service of lifed items, does not exceed the maximum permitted time.

Deficiencies found during inspection were rectified.

The US registration marks removed and the Canadian affixed.

Compass swung and a correction card installed.

US logs closed and Canadian logs opened.

Weight & balance, and equipment list reviewed and accuracy confirmed.

Aircraft inspected and conforms with Type Certificate A-216

ELT certified in accordance with CAR 571.10

1. Approving national aviation authority/country <b>Transport Canada</b>		2. <b>Authorized Release Certificate</b> <b>TCCA 24-0078</b>				3. Form tracking No. 1750
4. Approved organization name and address Northern Avionics Inc., 216B Avro Lane, Calgary, AB, T3Z 3S5						5. Work Order 1750
6. Item 1	7. Description ELT	8. Part Number E-01	9. Eligibility* N/A	10. Qty 1	11. Serial No. 58526	12. Status/work Inspected
13. Remarks Batt due Mar 2013						
14. Certifies that the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 13.			19 <input checked="" type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulations specified in block 13. Certifies that, except where otherwise specified in block 13, the work identified in block 12 and described in block 13 was performed in accordance with CAR 571.			
15. Authorized signature		16. Certificate No.	20. Authorized signature		21. Certificate No. AMO 68-03	
17. Name		18. Date	22. Name K. Hoogveen		23. Date Feb 19/08	

12/09/2001 \*Installer must cross-check eligibility with approved data

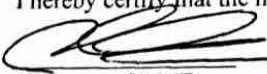
## AIR TIME AND

### ENGINEERING RECORD

**NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE**

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.	
	HRS.	MIN.	HRS.	MIN.
BROUGHT FORWARD				

6 Feb/09      244.9 TAF      C-GBIV      Sn 2602  
 Annual Inspection carried out in accordance with airworthiness standards and C.A.R.S. 625 Appendix "B" Part I and Appendix "C"  
 Engine Oil **15 W 50** & filter changed Part # CH48108-1 Batch #2570  
 Re-certify ELT - complete  
 Compass Swing - complete  
 CAR 625 Appendix C-7 Tach accuracy - C/W  
 2008-06-28 R1 PFD limitations. C/W made placard for Pilot Operating Handbook  
 2008-14-13 - Previously C/W  
 SB2X-52-07 R4 - Previously C/W Feb. 15/08 W/O #0690  
 CF -90-03R2 - Exhaust heat heaters - C/W no faults found  
 R/H fuel guage over reads - All potentiometers replaced & guage calibrated Part # 18484-311 Batch # 2607  
 Left hand main tire worn - Tire replaced Part # 15x600x6 Batch # 2420  
 Waste gate actuator arm pin worn - installed new pin  
 Altimeter oscillating - deferred, ordered parts  
 I hereby certify that the maintenance described herein has been performed in accordance with the applicable airworthiness requirements.



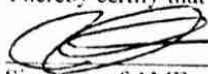
**M128874**

Signature of AME

License No.

Details on work Sheets on File.

19 Feb/09      248.5 TAF      C-GBIV      Sn 2602  
 Replaced altimeter Part #12102-002 Batch # 2634 Serial # 475087  
 I hereby certify that the maintenance described herein has been performed in accordance with the applicable airworthiness requirements.



**M128874**

Signature of AME

License No.

Details on work Sheets on File.

**FOSTER AIRCRAFT MAINTENANCE LTD.**

77 AIRPORT ROAD, EDMONTON, ALBERTA  
TRANSPORT CANADA AMO#110-95

DATE: 09 June 2009

REG: C-GBIV

TOTAL AIRFRAME TIME: 296.8

WO#: 4925

- 1) 50 Hour inspection carried out IAW Cirrus M.M.
- 2) Engine oil changed with 7L Aeroshell 15w50, oil filter inspected and replaced with new P/N: CH48108-1.
- 3) Engine DP test results: #1- 68/80, #3- 72/80, #5- 71/80, #2- 74/80, #4- 72/80, #6- 69/80
- 4) Spark plugs cleaned, gapped and tested.
- 5) Ground run, no leaks, all parameters normal.

THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS


AMO/ACA: 110-95-1

Jeff Foster


**CALIBRATION CARD  
ALTIMETER**

P/N: 5934AD-3      C/N: A.258G      S/N: 475087

Standard Alt (Ft)	Alt Reading (Ft) @ Room Temp	Standard Alt (Ft)	Alt Reading (Ft) @ Room Temp
-1,000	0	14,000	0
0	+10	16,000	+15
500	0	18,000	+25
1,000	+5	20,000	+45
1,500	-5	22,000	+60
2,000	0	25,000	+85
3,000	-5	30,000	+55
4,000	-15	35,000	+25
6,000	-15	40,000	
8,000	-20	45,000	
10,000	-20	50,000	
12,000	-5		

Date: 1-27-09      Tested By: DE      Inspected By: 



# AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

1. Approving National Aviation Authority Country: <b>FAA/UNITED STATES</b>						3. Form Tracking Number: <b>CDC 021609-017</b>	
4. Organization Name and Address: <b>Cirrus Design Corporation 4515 Taylor Circle Duluth, MN 55811</b>				PC# 338CE		5. Work Order/Contract/Invoice Number: <b>101406</b>	
6. Item:	7. Description:	8. Part Number:	9. Eligibility:	10. Quantity:	11. Serial / Batch Number:	12. Status/Work	
	ALTIMETER MODIFIED	12102-002	N/A	1	475067	NEW	

BIV

18 Feb 09

13. Remarks:  
  
All parts fabricated IAW the approved design data TCDS A00009CH

EXPORT - CANADA

14. Certifies the items identified above were manufactured in conformity to: <input checked="" 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.: ODARE-405228-CE	20. Authorized Signature:	21. Approval/Certificate No.:
17. Name (Typed or Printed): Jeffrey K. Holter	18. Date (m/d/y): Feb/16/2009	22. Name (Typed or Printed):	23. Date (m/d/y):

**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.

1. Approving civil aviation authority/country <b>Transport Canada</b>		2. <b>Authorized Release Certificate FORM 1</b>			3. Form tracking No 2021
4. Organization name and address Northern Avionics Inc., 216B Avro Lane, Calgary, AB, T3Z 3S5				5. Work Order 2021	
6. Item 1	7. Description ELT	8. Part Number E-01	9. Qty 1	10. Serial No. 58526	11. Status/work Inspected
12. Remarks C-GBV Batt due Mar 2013					
13a. Certifies that the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 13.			14 <input checked="" type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulations specified in block 13 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the CARS.		
13b. Signature		13c. AMO No.	14b. Signature	14c. AMO No. AMO 68-03	
13d. Name		13e. Date	14d. Name K. Hoogeveen	14e. Date Jan 20/09	

Important: See notes below

### Installer Responsibilities

This certification does not constitute authority to install.

Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.

Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.

ENGINEERING RECORD

NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETION

DAILY TOTAL		TOTAL AIR TIME SINCE B. M.P.:	
HRS.	MIN.	HRS.	MIN.

FOSTER AIRCRAFT MAINTENANCE LTD.  
77 AIRPORT ROAD, EDMONTON, ALBERTA  
TRANSPORT CANADA AMO#110-95

DATE: 17 July 2009      REG: C-GBIV      TOTAL AIRFRAME TIME: 343.3      WO#: 4991, 4992

- 1) 100 Hour inspection completed as per CAR 625 appendix B part 1 and C, using Cirrus Design Scheduled Inspection Report as a guide.
- 2) Engine oil changed with 7L Aeroshell 15w50, oil filter inspected and replaced with new P/N: CH48108-1.
- 3) Engine DP test results: #1- 70/80, #3-70/80, #5- 70/80, #2- 71/80, #4- 71/80, #6- 72/80
- 4) Spark plugs cleaned, gapped and tested.
- 5) Installed AirWolf Air Oil Separator IAW STC SA02268CH and special instructions from Cirrus for turbo engine application. Weight and balance amended. New empty weight is 2401.1 lbs @ 138.56".
- 6) Avidyne Primary Flight Display S/N: 20038197 and encoder S/N: 106690 tested to 20,000 feet in accordance with Standard 571 Appendix B by Ducey Avionics (AMO 29-74) WO#: A5212.

MAKE: Cirrus  
MODEL: SR-22 G3  
S/N: 2602  
REG. NO: C-GBIV  
WORK ORDER:  
3173-07-2009

### Twin Cities Aviation, Inc.

8891 Airport Rd #A-2  
Blaine, Minnesota 55449 USA  
Phone: 763-784-9165

DATE: 9/10/2009  
A/C TSN: 420 5  
FLIGHTTIME: 420 5

#### Airframe Entries

Installed Revision 9 kit as required per Avidyne STC SA00282BO, removed PFD S/N:20243265, MFD, S/N:20041217, GNS 430W #1, S/N:23401881, GNS 430W #2, S/N:23401807, GMA 340, S/N:9628,1168, GTX 327, S/N:83728728, XM Receiver, S/N:816001388, removed S-Tec 55X Autopilot, sent to S-Tec for software upgrade, removed instrument panel, measured and installed new holes for flight director, TAWS switches, glove box and heater control rods in new instrument panel, sent panel to powder coater/silk screener. Installed new wiring harness supplied with Avidyne Revision 9 STC SA00282BO, and connected to existing componets, fabricated wiring harnesses as necessary IAW STC Drawing 901-00016-000 Rev. 03, installed new instrument panel, P/N:820-00092-001, installed new #1 IFD P/N:700-00083-000 Rev 00, S/N:M092557698, with config module, ACM100, S/N:M092658909, installed new #2 IFD, P/N:700-00083-000 Rev 00, S/N:M092760174, installed new Avidyne Keyboard assembly, P/N:700-00150-002, S/N:M092760940, installed new PMA 8000B Audio Panel, P/N:050-890-0402, S/N:V04507, installed new Becker Mode S Transponder, P/N: BXP6402-1R-(01), S/N:00812, with new address module, P/N:AM6400-1-(01), S/N:03183, configured Mode S address module to current aircraft, installed new Sirius Weather/Audio Receiver, P/N:700-00169-001 Rev (00), S/N:M092861404, installed new Sirius Antenna, P/N:S67-1575-650, S/N:814-0571, installed new Sandia Autopilot Relay, P/N:AIS240-35, S/N:12229, re-installed modified S-Tec 55X Autopilot, loaded current Nav Data, checklists, and charts. Configured, setup, and calibrated Revision9 IFD system IAW Avidyne install manual 600-00160-000 Rev 02. Leak check and transponder operational/correspondence test performed by RC Avionics, Blaine, Mn, 55449. #1 IFD, S/N:M092557698, certified from Avidyne to 34,500 ft, dated 23Jul09, #2 IFD, S/N:M09270174, certified from Avidyne to 34,500 ft, dated 23Jul09. Performed magetomete calibration at compass rose, performed autopilot calibration during test flight, operation and funtional checks satisfactory. Updated weight and balance, updated equipment list. ---Buffed out fuel stains from lower side of right wing, Fuel sump drained was replaced previously under warranty, but had no time to remove stain.

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

DATE: 9/10/2009

SIGNED:



Andrew Bougetz, IA: 2656245 *AB*

Work Order: 3173-07-2009

Printed by EBis 3 (datcomedia.com)

MAKE: Cirrus  
MODEL: SR-22  
S/N: 2602  
REG. NO: GBIV  
WORK ORDER:  
ANE6871-09-2009



### R.C. Avionics, Inc.

2161 Missouri Row Box B-7  
Blaine, MN 55449  
Phone: 763-398-3920  
Email: russc@rcavionics.com

DATE: 9/10/2009  
A/C TSN:  
HOBBS: 422.9

#### Airframe Entries

(1) Performed Inspection as per Manufactures Post Installation Procedures as stated in Manufactures Maintenance Manual 34-50-09 Dated: Feb07 The below Mode 'S' Transponder conforms to the Manufactures Specifications as stated in the above manual. The Mode 'A' and Mode 'C' characteristics has been found to conform the following: FAR.413, Part 43 Appendix F. This equipment is compliant with the above FAR's and meets or exceeds requirement for airworthy transponder. Make: Becker Model: BXP6402-1R SN: 00812[ ITEM ](2) Performed correspondance checks on Aircraft. Static system meets transponder accuracy requirements IAW FAR91.217 and appendix E.[ ITEM ](3) Performed leak checks. Pitot system has leaks. Static system has slight leak, but is within limits of FARs. Andy to repair leaks.

DATE: 9/10/2009

SIGNED:



Work Order: ANE6871-09-2009

ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE NUMBER

- 7) Transponder S/N: 83728728 inspected by Ducey Avionics (AMO 29-74) WO#: 83307 and tested in accordance with Standard 571 Appendix F by Ducey Avionics (AMO 29-74) WO#: A5212.
- 8) Standby altimeter S/N: 475087 inspected by IFR Precision Instruments Ltd. (AMO 3-85) WO#: 105094 and tested in accordance with Standard 571 Appendix B by Ducey Avionics (AMO 29-74) WO#: A5212.
- 9) Pitot/Static leak test completed by Ducey Avionics (AMO 29-74) WO#: A5212.
- 10) RH Outboard fuel level sender gasket replaced with new P/N: 0015-0042.
- 11) RH strobe flash bulb replaced with new P/N: 50909-001.
- 12) Wheel bearing cleaned and repacked using Mobil grease 28.
- 13) Service Bulletin 2X-32-16 (MLG axle shim) incorporated by installing shim P/N: 11663-001 (2). Main axle fitting damage not beyond .005" limit and repaired in accordance with paragraph E (2).
- 14) Anti-ice system cycled through and serviced with new TKS.
- 15) Ground run, no leaks, all parameters normal.

THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS

AMO/ACA: 110-95-1

Jeff Foster

MAKE: Cirrus  
MODEL: SR-22  
S/N: 2602  
REG NO: GBIV  
WORK ORDER:  
ANE6904-09-2009



**R.C. Avionics, Inc.**  
2161 Missouri Row Box B-7  
Blaine, MN 55449  
Phone: 763-398-3920  
Email: russc@rcavionics.com

DATE: 9/10/2009  
A/C TSN:  
HOBBS: 422.9

**Airframe Entries**

(1) Static Leak Check: Performed proof test of the integrity of the static system in accordance with FAR 25.1325. System meets of exc's specified in above FAR.

DATE: 9/10/2009

SIGNED:

Work Order: ANE6904-09-2009

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CRSIGXR989E

HERITAGE FLIGHT

Airframe

C-GBIV  
W.O.SH9845  
535.2 PTT

DUINED

03/09/2010  
656.3 HOBBS  
535.2 ACTT

535.2 ETT

- 1) Serviced battery and brake reservoirs
- 2) Replaced #2 batteries P/N 50979-001 I/A/W SR 22 MM CH 24-50
- 3) Installed new TKS filter P/N 26115-101 I/A/W SR22 MM CH 30-05
- 4) Installed new aft rudder rod end P/N 11315-004 I/A/W SR22 MM CH 27-20
- 5) Installed 2 new brake caliper assemblies P/N 17122-103 and linings I/A/W SR22 MM Ch 32-42
- 6) Replaced left and right MLG wheel bearings with new P/N 13889-20629 and races P/N 13836-2062 I/A/W SR22 MM CH 32-10. Clean and pack all wheel bearings
- 7) Replaced right tire with new 15x6x6 PR P/N 301-249-006 S/N 7390043 I/A/W SR22 MM Ch 32-41
- 8) C/W Precise Flight STC SA01708SE I/C/A.
- 9) C/W Tornado Alley STC SA10588SC and SE 105899SC I/C/A.
- 10) C/W Tornado Alley STC SA10588SC and SE 105899SC I/C/A.
- 11) C/W Airwolf STC SA02268CH I/C/A
- 12) C/W Avidyne R9 STC SA00282BO I/C/A
- 13) Complied with SB2X-05-01 Dated 03-11-09 Installed new brake o-rings and second temp. indicator
- 14) Complied with SB2X-21-02R1 Installation of fresh air duct insulation
- 15) Checked and visually verified mandatory SB2X-28-07R1 has been previously complied with.
- 16) Complied with SB 2X-30-07R1 Ice protection panel inspection
- 17) Complied with SB 2X-30-07R1 Ice protection panel inspection
- 18) Complied with SB 2X-31-02 Aircraft Data Logger Harness securing
- 19) Complied with SB2X-32-19R2 nose gear inspection and reinforcement
  
- 20) Inspected and visually verified SB2X-51-02 has been previously complied with.
- 21) Comply with Kelly Aerospace Turbocharger SIL A-131
- 22) Check and verify that Tornado Alley SB 09-01 not applicable by aircraft serial number
- 23) Comply with Tornado Alley SB 08-01 exhaust elbow engagement
- 24) Comply with Tornado Alley SB 08-02 Inspection of induction Wye/PRV tube for chaffing. Installed new tube P/N ETI-G2-200M2
- 25) Comply with Tornado Alley SB 10-01 alt air door hinge inspection and security
- 26) Performed 1 year inspection and check of cabin portable fire extinguisher
- 27) Performed 1 year inspection and check of cabin first air kit
- 28) C/W FAR 91.207 (d) yearly inspection of ELT. (battery expires March 2013)
- 29) Perform compass swing on standby compass and PFD I/A/W SR22 MM Ch 34-20 and CAR 625
- 30) C/W CF-90-03R2 exhaust leak check. No defects noted

I certify that this Airframe has been inspected in accordance with an 100 hour inspection and was determined to be in AIRWORTHY condition

James Proft for CRSIGXR989E

Log Book entry Cirrus SR22 C-GBIV serial : 2602 March 09, 2010 TTSN: 535.2 hrs

Engine IO550N-46B s/n;691186 TTSN: 535.2 hrs / prop PHC-J3YF-IN s/n: FP5900B TTSN: 532.2 hrs

Annual inspection accomplished IAW Cirrus SR22 inspection scheduled sheet chapt 05-20 rev date 15 April 2007 which meet requirement on CAR 625 appendix B . CAR 625 appendix C compliance was also met during this inspection. Inspection and applicable discrepancies accomplished by Heritage Flight repair station # CRSIGXR989E. See Heritage flight work order # SH9845 for details. Aircraft inspected for Canadian requirement. Mandatory recurring requirement were reviewed for compliance. Annual requirement accomplished this inspection. 2 years requirement are not due at this time. Applicable Canadian & USA AD's reviewed for compliance.

The maintenance describe above has been performed IAW applicable standard of airworthiness requirement and the aircraft is serviceable to return to service.



March 09, 2010

Alain Gullemette # 272995





# AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD	540	2			



1903 Embarcadero Road, Palo Alto, CA 94303

650-494-6516 www.advantage-aviation.com

W/O: 4261 Aircraft: C-GBIV Tach: 671.5 TTAF: 671.5 Date: 4/21/2010  
 Model: Cirrus SR-22 S/N: 2602

**Airframe Entry**

Replaced LH strobe light bulb assembly with new (p/n: 36-005705-00), operational check good. Checked nose landing gear tension and serviced nose tire with air. - END

The above listed Airframe is approved for return to service for only the work completed above.

Mike Wyant A&P 2842700 *[Signature]*

Updated IFDs s/n M093266233 and M092760174 to Release 9.0.2.2. Confirmed original settings and operational check satisfactory per service bulletin 601-00083-014. Completed 24 Mar 2010

*[Signature]*  
 2785441 FCC-RE

2010-05-18			585	5	Oil & filter changed, ground inspection. Work sheets on file at Astor. #2 exhaust riser has a crack on the lower weld + the RB requirement step is complete.	
					THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS.	
					SIGNATURE: <i>[Signature]</i>	
					DATE: 4/21/10 LICENSE NO.:	





Aircraft: C-G-BIV

Date: 6/25/2010

Hobbs: 752.7

Installed Release 9.1 Software on the IFD System per  
Avidyne Service Bulletin 601-00083-015 Rev. 01

S. Singh A&P 2637427

BROUGHT FORWARD

621 3

MAKE CIRRUS DESIGN CORP  
MODEL SR22  
S/N 2602  
REG NO C-GBIV  
WORK ORDER 0164

**PLATINUM Service**  
AVIATION

**Platinum Aviation Service**  
1635 NW 51st Place - Hangar 31  
Fort Lauderdale, FL 33309  
Phone: (954) 771-1288

DATE 18 June, 2010  
A/C TSN  
HOBBS 750.4

**Airframe Entries**

Completed 100Hr in service inspection this date IAW Cirrus SR22 MM & MM checklist.  
REPLACE K&N AIR FILTER WITH NEW PART# TAT 33-2022.  
REPLACED AIRBOX RETAINING PLATE WITH NEW TORNADO ALLEY TURBO'S PART#ETI-G2-35-1. ALTERATION REQUIRED.  
REPLACE GASCOLATOR O-RING SEAL, PART#MS29513-137 and STAT-O-SEAL P/N NAS1523-8B. OPERATIONAL CHECK SATISFACTORY.  
ADJUSTED NOSE GEAR FORK TENSION I.A.W. CIRRUS A.M.M. TO 25 LBS.  
SCHEET TUBING ADAPTED TO ACCOMMODATE AIR/OIL SEP. SCAT TUBING.

DATE: 18 June, 2010

SIGNED:

Alberto Wolfgang Rincon Veracochea, A&P: 3186786

Work Order: 0164

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ENGINE MODEL:  
ENGINE S/N:  
REG. NO. C-GBIV  
WORK ORDER: 0164

**PLATINUM Service**  
AVIATION

**Platinum Aviation Service**  
1635 NW 51st Place - Hangar 31  
Fort Lauderdale, FL 33309  
Phone: (954) 771-1288

DATE: 18 June, 2010  
A/C TSN  
ENG TT: 750.4  
HOBBS: 750.4

**Engine Entries**

Completed 100Hr in service inspection this date IAW Cirrus SR22 MM & MM checklist. C/W TCM cylinder inspection SB03-3, compressions: #1= 61/80 #2=65/80 #3=62/80 #4=66/80 #5=70/80 #6=69/80. Replaced oil filter PN#CH48108-1, serviced with #8 qt Aeroshell 15W50.  
R/R L/H & R/H EXHAUST MANIFOLD.

DATE: 18 June, 2010

SIGNED:

Alberto Wolfgang Rincon Veracochea, A&P: 3186786

Work Order: 0164

Printed by EBis 3 (datcomedia.com)

PROP MODEL:  
PROP S/N:  
REG NO: C-GBIV  
WORK ORDER: 0164

**PLATINUM Service**  
AVIATION

**Platinum Aviation Service**  
1635 NW 51st Place - Hangar 31  
Fort Lauderdale, FL 33309  
Phone: (954) 771-1288

DATE: 18 June, 2010  
A/C TSN  
PROP TT: 750.4  
HOBBS: 750.4

**Prop Entries**

Completed 100Hr in service inspection this date IAW Cirrus SR22 MM & MM checklist. Lubricated with Aeroshell #6.

DATE: 18 June, 2010

SIGNED:

Alberto Wolfgang Rincon Veracochea, A&P: 3186786

Work Order: 0164

Printed by EBis 3 (datcomedia.com)

July 16/10

630 7

MAKE Cirrus  
MODEL SR22  
SN 2602  
REG NO C-GBIV  
WORK ORDER  
28295-07-2010



**Commander Aero, Inc.**

Repair Station No. GA5R-876M  
10570 Springboro Pike  
Miamisburg, Ohio 45342 USA  
Phone 888-881-5580

DATE: 7/16/2010  
A/C TSN: 778 3  
HOBS: 778 3

**Airframe Entries**

(1) Removed and replaced TKS metering pump.  
Off- PN- 11820-01 SN-HST0701753  
On- PN-11820-01 SN-AST07E1H0

**Maintenance Release**

The aircraft and/or component(s) on C-GBIV was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service with respect to the work performed. Pertinent details of the repair are on file at this repair station under Work Order No. 28295-07-2010, Dated 7/16/2010.

DATE: 7/16/2010

SIGNED:

Kromer, Gary  
Certified Repair Station No. GA5R-876M

Work Order: 28295-07-2010

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DATE	HRS.	MIN.
	638	7
10/08/11	667	0



2010-08-11 C-GBIV S/N: 2602  
 Oil and filter changed, ground run and checked OK. Work sheets on file at Artisan Aviation Inc.

THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS.  
 SIGNATURE: *[Signature]* M321521

10/08/24	676	3
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HERITAGE

C GBIV - Cirrus SR22 g3 S/N: 2602  
 Hobbs: 833.0 Flight Hobbs: Not used



Complied with the following items:

- Removed aircraft main battery PN G-243 SN G02331031
- Install new main battery PN G-243, SN G02497685 IAW the Cirrus SR 22 MM Ch 24-30. Ops checks good.

"The above items were complied with per the "Manufactures Maintenance Procedures". This aircraft/engine is "Approved for Return to Service" for work performed.

Date: September 29, 2010 Sign: *[Signature]*

Cert# CRSIGXR989E WO# SH10752

11/01/04	697	5
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2011-01-04 C-GBIV S/N: 2602

Oil and filter changed, tire pressure checked, ground run and checked OK. Work sheets on file at Artisan Aviation Inc.

THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS.  
 SIGNATURE: *[Signature]*



# AIR TIME

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD			697	5	
3/10/11			712	0	
4/03/22			719	4	

## ENGINEERING RECORD

**MAKE:** Cirrus  
**MODEL:** SR-22-G3 TURBO  
**S/N:** 2602  
**REG NO:** C-GBIV  
**WORK ORDER:** 6022-02-2011



**Lone Mountain Aviation, Inc.**  
 Repair Station No. L9OR473Y  
 2830 N. Rancho Dr. Suite A  
 Las Vegas, NV 89130  
 Phone: (702) 309-2200

DATE: 3/10/2011  
 A/C TSN: 876  
 HOBBS: 876

**Airframe Entries**

Removed S-tec 55 autopilot p/n 192-34-61T-30 s/n 0721-12333 and installed new DFC 100 Autopilot p/n 700-00170-001 s/n M110330255 per STC SA00296BO and Avidyne Installation Documents p/n 600-00251-000 Rev 04.... Complied with Avidyne SB 601-00083-22 to upgrade software from 9.1 to 9.2.1.... Replaced CF card in # 2 IFD per Avidyne SB 601-00083-017.

The aircraft, component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file at this facility under the above W.O. number.

DATE: 3/10/2011

SIGNED: *[Signature]*

Bill Dexheimer  
 Certified Repair Station No. L9OR473Y

Work Order: 6022-02-2011

Printed by EBis 3 (datcomedia.com)

2011-03-22

C-GBIV

S/N: 2602



AMO #73-03

Annual inspection carried out as per Part 1, Appendix B & C of CARs 625. Oil and filter **NOT** changed, compression and timing checked, plugs serviced, wheel bearings greased, EIT recertified per Northern Avionics wo# 2797, first aid kit checked, fire extinguisher checked, tach checked, compass checked, ground run and checked OK. Work sheets on file at Artisan Aviation Inc.

- c/w AD CF90 - 03R2 Heat muff - inspected no fault found
- AD 2008-03-16 Rudder/aileron control - n/a due to serial number
- AD 2009-05-05 PFD Display - n/a due to part number
- AD 2009-26-01 Anti-ice fluid - n/a due to serial number

I CERTIFY THAT THE MAINTENANCE DESCRIBED ABOVE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS.

SIGNATURE: *[Signature]*



FOR	N	30	60	E	120	150
STEER	2	32	61	91	120	150
FOR	S	210	240	W	300	330
STEER	180	211	241	272	303	330

DATE: March 22 2011



*FOSTER AIRCRAFT MAINTENANCE LTD.*  
UNIT 3, 550 HURRICANE DRIVE, SPRINGBANK, ALBERTA  
TRANSPORT CANADA AMO#110-95

DATE: 08 Sept 2011 REG: C-GBIV TOTAL AIRFRAME TIME: 837.7 W0#: 5730

- 1) Engine oil changed with 7L Aeroshell 15w50, oil filter inspected and replaced with new P/N: CH48108-1.
- 2) Engine DP test results: #1- 50/80, #3- 64/80, #5- 60/80, #2- 64/80, #4- 66/80, #6- 68/80
- 3) Spark plugs cleaned, gapped and tested.
- 4) NACA cold air duct insulation repaired.
- 5) Airwolf air/oil separator ducting replaced with new P/N: SCAT7 (3').
- 6) Ground run, no leaks, all parameters normal.

THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS

AMO/ACA: 110-95-9

Cody Richardet 

*FOSTER AIRCRAFT MAINTENANCE LTD.*  
UNIT 3, 550 HURRICANE DRIVE, SPRINGBANK, ALBERTA  
TRANSPORT CANADA AMO#110-95

DATE: 02 Dec 2011 REG: C-GBIV TOTAL AIRFRAME TIME: 870.8 W0#: 5789

IFD software upgrade to release 9.2.3 carried out in accordance with Avidyne Service Bulletin 601-00083-025.

THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS

AMO/ACA: 110-95-9

Cody Richardet

*FOSTER AIRCRAFT MAINTENANCE LTD.*  
UNIT 3, 550 HURRICANE DRIVE, SPRINGBANK, ALBERTA  
TRANSPORT CANADA AMO#110-95

DATE: 02 Feb 2012 REG: C-GBIV TOTAL AIRFRAME TIME: 884.9 W0#: 5862

- 1) DFC100 autopilot S/N: M110330255 reinstalled following factory upgrade by Avidyne Corporation W0#: 9016805.
- 2) IFD software upgrade to release 9.2.4 carried out in accordance with Avidyne Service Bulletin 601-00083-026.
- 3) Engine oil changed with 7L Aeroshell 15w50, oil filter inspected and replaced with new P/N: CH48108-1.
- 4) Cylinder #4 EGT probe replaced with new P/N: 16579-002.
- 5) Main battery removed from aircraft. Unit cleaned, electrolyte levels adjusted, reconditioned and reinstalled.
- 6) Ground run, no leaks, all parameters normal.

THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS

AMO/ACA: 110-95-9

Cody Richardet

FOSTER AIRCRAFT MAINTENANCE LTD.  
 UNIT 3, 550 HURRICANE DRIVE, SPRINGBANK, ALBERTA  
 TRANSPORT CANADA AMO#110-95

DATE: 20 Apr 2012      REG: C-GBIV      TOTAL AIRFRAME TIME: 918.8      WO#: 5926

- 1) 100-hour/Annual inspection completed as per CAR 625 appendix B part 1 and C, using Cirrus Design Scheduled Inspection Report as a guide.
- 2) Engine oil changed with 7L Aeroshell 15w50, oil filter inspected and replaced with new P/N: CH48108-1.
- 3) Engine DP test results: #1- 60/80, #3- 70/80, #5- 72/80, #2- 65/80, #4- 66/80, #6- 66/80
- 4) Spark plugs cleaned, gapped and tested.
- 5) Induction air filter replaced with new P/N: 33-2022.
- 6) RH magneto timing adjusted.
- 7) Absolute pressure controller adjusted.
- 8) \* Propeller governor high stop adjusted ½ turn (increase).
- 9) Engine controls cleaned and lubricated.
- 10) AD CF90-03R2: Heat muff inspected in accordance with Part I, paragraph 1-4, no defects noted.
- 11) Propeller hub lubricated using Aeroshell grease 6.
- 12) Standby compass swing completed.

FOR	N	030	060	E	120	150	S	210	240	W	300	330
STEER	002	031	060	090	119	149	180	210	242	273	303	332

- 13) ELT S/N: 058526 performance tested in accordance with Standard 571 Appendix G by Northern Avionics Inc. (AMO 68-03) WO#: 3551. ELT reinstalled and operational test completed in accordance with Standard 571 Appendix G.
- 14) Avidyne IFD #1 S/N: M092557698 and IFD #2 S/N: M092760174 inspected/tested to 25,000 feet in accordance with Standard 571 Appendix B by Western Avionics (AMO# 9-76) WO#: CSV3978.
- 15) Standby altimeter S/N: 461995 and encoder S/N: 106690 inspected/tested to 25,000 feet in accordance



FOSTER AIRCRAFT MAINTENANCE LTD.  
UNIT 3, 550 HURRICANE DRIVE, SPRINGBANK, ALBERTA  
TRANSPORT CANADA AMO#110-95

DATE: 13 Feb 2012 REG: C-GBIV TOTAL AIRFRAME TIME: 889.2 W0#: 5870

- 1) Starter adapter replaced with overhauled unit P/N: 642083-A2, S/N: CAM12-019.
- 2) Starter P/N: C24ST3, S/N: 4C3-360908 replaced with overhauled unit P/N: 646275-1, S/N: H-L091616.
- 3) Engine driven fuel pump drive seal replaced with new P/N: 628178.
- 4) Ground run, no leaks, all parameters normal.

THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS

AMO/ACA: 110-95-9

Cody Richardet

FOSTER AIRCRAFT MAINTENANCE LTD.  
UNIT 3, 550 HURRICANE DRIVE, SPRINGBANK, ALBERTA  
TRANSPORT CANADA AMO#110-95

DATE: 07 Mar 2012 REG: C-GBIV TOTAL AIRFRAME TIME: 904.9 W0#: 5889

- 1) Master wastegate repaired using the following parts:
  - 477312-0000 - Spring
  - 476770-0000 - Retainer
  - 477211-0000 - Shaft
  - 400142-0811 - Pin
  - 400142-0817 - Pin
  - 476773-0000 - Gasket
- 2) Master and slave wastegate rigging carried out in accordance with Tornado Alley Turbo, Inc continued airworthiness manual 22-6460004 Rev. A and wastegate control cable installation instructions 22-6460007.
- 3) Absolute pressure controller adjusted.
- 4) NACA cold air inlet ducting replaced with new P/N: SCEET10.
- 5) Ground run, no leaks, all parameters normal.

THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS

AMO/ACA: 110-95-1

Jeff Foster

- with Standard 571 Appendix B by Western Avionics (AMO# 9-76) WO#: CSV3978.
- 16) Transponder S/N: 00812 inspected/tested in accordance with Standard 571 Appendix F by Western Avionics (AMO# 9-76) WO#: CSV3978.
  - 17) Pitot/Static leak test and repair completed by Western Avionics (AMO# 9-76) WO#: CSV3978.
  - 18) Fire extinguisher inspected and reweighed.
  - 19) Battery #2 replaced with new P/N: 50979-001 (2).
  - 20) Anti-ice protection filter replaced with new P/N: 26115-101.
  - 21) Anti-ice system cycled through and serviced with new TKS.
  - 22) \* Rudder control rod aft attaching hardware replaced with new.
  - 23) Main landing gear alignment carried out IAW Cirrus M.M. Shims P/N: 10492-002 and 10492-004 installed as required with existing shims.
  - 24) Nose wheel spindle thrust washer P/N: 50545-001 and spindle torque adjusted IAW Cirrus M.M.
  - 25) Nose wheel bearing (stem side) replaced with new P/N: LM08231 and LM08125.
  - 26) Wheel bearings cleaned and repacked with Mobil grease 28.
  - 27) LH main tire replaced with new P/N: 156E66-4, S/N: 11932274.
  - 28) Main landing gear leg grommets replaced with new P/N: 16937-002 (2).
  - 29) Main landing gear fairing grommets replaced with new P/N: 18362-001 (2).
  - 30) Brake linings replaced with new P/N: 066-06200 (8).
  - 31) O<sub>2</sub> Bottle 5 year hydrostatic test overdue. Do Not Fill Bottle.
  - 32) Ground run, no leaks, all parameters normal.
  - 33) AD's researched and verified from date of manufacture through present for applicability and compliance. Technical log section 2 (airframe) opened and engine & propeller AD's signed out in appropriate logs.

\* Independent control check completed by Cody Richardet AMO/ACA 110-95-9  
THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS

AMO/ACA: 110-95-1

Jeff Foster

26-9-02 MAINTENANCE ACTION JC # 001 ① #1 ALT U/S REMOVED #  
AS PER MM 24-30. AIRCRAFT RAN ALL OK, NO LEAKS FOUND  
ACCORDANCE WITH THE APPLICABLE STANDARDS OF AIRWORTHINESS  
(Airline 987.9, Hobbs 1206.3-1210.7)

# ENGINEERING RECORD

ENTRIES: DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

INSPECTION, REPAIRS & REPLACEMENT	SIGNATURE	LICENCE NUMBER

*FOSTER AIRCRAFT MAINTENANCE LTD.*  
 UNIT 3, 550 HURRICANE DRIVE, SPRINGBANK, ALBERTA  
 TRANSPORT CANADA AMO#110-95

DATE: 04 May 2012      REG: C-GBIV      TOTAL AIRFRAME TIME: 931.3      WO#: 5940

Oxygen bottle removed. Hydrostatic test completed by The Recharge Center WO#: 201465.  
 Reinstalled, purged and replenished.

THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS

AMO/ACA: 110-95-9

Cody Richardet

*FOSTER AIRCRAFT MAINTENANCE LTD.*  
 UNIT 3, 550 HURRICANE DRIVE, SPRINGBANK, ALBERTA  
 TRANSPORT CANADA AMO#110-95

DATE: 04 Jul 2012      REG: C-GBIV      TOTAL AIRFRAME TIME: 984.4      WO#: 5997

- 1) Engine oil changed with 7L Aeroshell 15w50, oil filter inspected and replaced with new P/N: CH48109-1.
- 2) RH heat muff intake duct replaced with new P/N: 04-6400001-5-74-4.
- 3) Ground run, no leaks, all parameters normal.

THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS

AMO/ACA: 110-95-9

Cody Richardet

ALTERATOR SKI HO3008 AND INSTALLED NEW ALT. SKI H-100050  
 THE MAINTENANCE DESCRIBED HEREIN HAS BEEN PERFORMED IN  
 ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS  
 M440988 AMO 95-97 JULY 9/2012

*FOSTER AIRCRAFT MAINTENANCE LTD.*  
 UNIT 3, 550 HURRICANE DRIVE, SPRINGBANK, ALBERTA  
 TRANSPORT CANADA AMO#110-95

DATE: 27 Sept 2012      REG: C-GBIV      TOTAL AIRFRAME TIME: 1033.3      WO#: 6081

- 1) Engine oil changed with 7L Aeroshell 15w50, oil filter inspected and replaced with new P/N: CH48109-1.
- 2) Convenience outlet wiring inspected and positive terminal repaired.

THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS

AMO/ACA: 110-95-1

Jeff Foster

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					

**FOSTER AIRCRAFT MAINTENANCE LTD.**  
 UNIT 3, 550 HURRICANE DRIVE, SPRINGBANK, ALBERTA  
 TRANSPORT CANADA AMO#110-95

**DATE:** 31 Jan 2013      **REG:** C-GBIV      **TOTAL AIRFRAME TIME:** 1078.8      **W0#:** 6195

- 1) Engine oil changed with 7L Aeroshell 15w50, oil filter inspected and replaced with new P/N: CH48108-1.
- 2) Spark plugs replaced with new Champion P/N: RHB32E (12).
- 3) \* Propeller governor high stop adjusted out one turn and prop control travel verified.
- 4) RH ACR compact flash card removal and replacement carried out in accordance with Avidyne Service Bulletin 601-00083-17.
- 5) IFD software upgrade to release 9.2.4 carried out in accordance with Avidyne Service Bulletin 601-00083-026.
- 6) Ground run completed, all parameters normal.

\* Independent control check completed by Cody Richardet AMO/ACA 110-95-9  
 THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS

AMO/ACA: 110-95-1

Jeff Foster

**FOSTER AIRCRAFT MAINTENANCE LTD.**  
 UNIT 3, 550 HURRICANE DRIVE, SPRINGBANK, ALBERTA  
 TRANSPORT CANADA AMO#110-95

**DATE:** 06 Feb 2013      **REG:** C-GBIV      **TOTAL AIRFRAME TIME:** 1080.4      **W0#:** 6203

Cylinder #6 EGT probe replaced with new P/N: 16579-002. Ground run, all parameters normal.

THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS

AMO/ACA: 110-95-9

Cody Richardet

**FOSTER AIRCRAFT MAINTENANCE LTD.**  
 UNIT 3, 550 HURRICANE DRIVE, SPRINGBANK, ALBERTA  
 TRANSPORT CANADA AMO#110-95

**DATE:** 05 Mar 2013      **REG:** C-GBIV      **TOTAL AIRFRAME TIME:** 1121.3      **W0#:** 6233

- 1) Engine oil changed with 7L Aeroshell 15w50, oil filter inspected and replaced with new P/N: CH48108-1.
- 2) Co-pilot upper door latch cable adjusted.
- 3) Aileron gap seals replaced with new P/N: 14390-002 (2).
- 4) Ground run completed, all parameters normal.

THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS

AMO/ACA: 110-95-9

Cody Richardet

**FOSTER AIRCRAFT MAINTENANCE LTD.**  
 UNIT 3, 550 HURRICANE DRIVE, SPRINGBANK, ALBERTA  
 TRANSPORT CANADA AMO#110-95

**DATE:** 08 Mar 2013      **REG:** C-GBIV      **TOTAL AIRFRAME TIME:** 1121.3      **W0#:** 6238

Battery P/N: G243 replaced with new Concorde P/N: RG24-15M.

THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS

AMO/ACA: 110-95-9

Cody Richardet

# LEADING EDGE

AVIATION SERVICES, INC.

Tampa, FL



AUTHORIZED SERVICE CENTER

Date: 2/27/2013; Aircraft: C-GBIV; Type: CIRRUS; S/N: 2602; Hobbs: 1351.20; Tach: 1329.70

- Removed RH and LH mags for repair. Installed after 500 Hr inspection completed by Quality Aircraft Accessories. Item: 10-500556-101, S/N: D07EA131 and S/N: D07EA118

The above work was performed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service pertaining to work performed.

Paul Stern  A&P 3078823

6582 Eureka Springs Rd, Tampa, FL 33610  
Tampa Executive Airport (KVDF) 813 626 1515

## AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD <small>NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETION</small>
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					

*FOSTER AIRCRAFT MAINTENANCE LTD.*  
 UNIT 3, 550 HURRICANE DRIVE, SPRINGBANK, ALBERTA  
 TRANSPORT CANADA AMO#110-95

DATE: 17 Apr 2013      REG: C-GBIV      TOTAL AIRFRAME TIME: 1131.2      WO#: 6281

- 1) 100-hour/Annual inspection completed as per CAR 625 appendix B part 1 and C, using Cirrus Design Scheduled Inspection Report as a guide.
- 2) Engine oil NOT changed due to low TIS (9.9 hrs).
- 3) AD CF90-03R2: Heat muff inspected in accordance with Part I, paragraph 1-4, no defects noted.
- 4) Engine DP test results: #1- 54/80, #3- 64/80, #5- 62/80, #2- 66/80, #4- 68/80, #6- 70/80
- 5) Spark plugs cleaned, gapped and tested.
- 6) Induction air filter replaced with new P/N: 33-2022.
- 7) Propeller hub lubricated using Aeroshell grease 6.
- 8) Engine controls cleaned and lubricated.
- 9) Standby compass swing completed.

FOR	N	030	060	E	120	150	S	210	240	W	300	330
STEER	357	028	056	088	120	150	182	211	240	270	298	328

- 10) ELT S/N: 058526 performance tested in accordance with Standard 571 Appendix G by Northern Avionics Inc. (AMO 68-03) WO#: 4309. ELT reinstalled and operational test completed in accordance with Standard 571 Appendix G.
- 11) Fire extinguisher inspected and reweighed.
- 12) LH battery terminal nipple replaced with new P/N: MS25171-4S.
- 13) Landing light lens replaced with new P/N: 17298-001.
- 14) Nose wheel fork removed and cleaned and spindle torque adjusted IAW Cirrus M.M.
- 15) Wheel bearings cleaned and repacked with Mobil grease 28.
- 16) Ground run, no leaks, all parameters normal.

THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS

AMO/ACA: 110-95-1

Jeff Foster









DATE	DAILY TOTAL		TOTAL TIME SINCE MFG.	
	HRS.	MIN.	HRS.	MIN.
BROUGHT FORWARD				

NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE

**FOSTER AIRCRAFT MAINTENANCE LTD.**  
 UNIT 3, 550 HURRICANE DRIVE, SPRINGBANK, ALBERTA  
 TRANSPORT CANADA AMO#110-95

DATE: 27 Aug 2013      REG: C-GBIV      TOTAL AIRFRAME TIME: 1226.5      W0#: 6442  
 TIT probe replaced with new P/N: 86245. Ground run, all parameters normal.  
 THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS  
 AMO/ACA: 110-95-1      Jeff Foster

**FOSTER AIRCRAFT MAINTENANCE LTD.**  
 UNIT 3, 550 HURRICANE DRIVE, SPRINGBANK, ALBERTA  
 TRANSPORT CANADA AMO#110-95

DATE: 23 Oct 2013      REG: C-GBIV      TOTAL AIRFRAME TIME: 1271.1      W0#: 6510  
 Engine oil changed with 7L Aeroshell 15w50, oil filter inspected and replaced with new P/N: CH48108-1.  
 Ground run, no leaks, all parameters normal.  
 THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS  
 AMO/ACA: 110-95-9      Cody Richardet

**FOSTER AIRCRAFT MAINTENANCE LTD.**  
 UNIT 3, 550 HURRICANE DRIVE, SPRINGBANK, ALBERTA  
 TRANSPORT CANADA AMO#110-95

DATE: 15 Mar 2014      REG: C-GBIV      TOTAL AIRFRAME TIME: 1301.6      W0#: 6638  
 1) Engine oil changed with 7L Aeroshell W100+, oil filter inspected and replaced with new P/N: CH48108-1.  
 2) LH exhaust manifold replaced with new P/N: 22-6850011.  
 3) Absolute pressure controller adjusted out 1/8 turn (decrease).  
 4) \* Propeller governor high stop adjusted in 1 turn (decrease).  
 5) Oxygen replenished.  
 6) Ground run, no leaks, all parameters normal.

\* Independent control check completed by Zac Bartel AMO 110-95  
 THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS

AMO/ACA: 110-95-9      Cody Richardet

THE DESCRIBED MAINTENANCE

Cody Richardet

AMO/ACA: 110-95-9

**FOSTER AIRCRAFT MAINTENANCE LTD.**  
UNIT 3, 550 HURRICANE DRIVE, SPRINGBANK, ALBERTA  
TRANSPORT CANADA AMO#110-95

**DATE:** 22 Apr 2014      **REG:** C-GBIV      **TOTAL AIRFRAME TIME:** 1337.0      **WO#:** 6675

- 1) 100-hour/Annual inspection completed as per CAR 625 appendix B part 1 and C, using Cirrus Design Scheduled Inspection Report as a guide.
  - 2) Engine oil changed with 7L Aeroshell W100+, oil filter inspected and replaced with new P/N: CH48108-1.
  - 3) Engine DP test results: #1- 72/80, #3- 68/80, #5- 60/80, #2- 74/80, #4- 72/80, #6- 78/80
  - 4) Spark plugs replaced with new Champion P/N: RHB32E (12).
  - 5) Induction air filter replaced with new P/N: 33-2022.
  - 6) RH cylinder baffle replaced with new P/N: M15471-003.
  - 7) RH aft baffle support replaced with new fabricated bracket assembly.
  - 8) Tailpipe V-band clamp 350 hour replacement carried out. Clamps replaced with new P/N: 11-1100023 (2). *Next due at 1687.0.*
  - 9) AD CF90-03R2: Heat muff inspected in accordance with Part I, paragraph 1-4, no defects noted.
  - 10) Propeller balanced using a Chadwick-Helmuth Vibrex™ 2000 Digital Dynamic Balancer.
  - 11) Propeller hub lubricated using Aeroshell grease 6.
  - 12) Standby compass swing completed. No change from previous year
- |       |     |     |     |     |     |     |     |     |     |     |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| FOR   | N   | 030 | 060 | E   | 120 | 150 | S   | 210 | 240 | W   | 300 | 330 |
| STEER | 357 | 028 | 056 | 088 | 120 | 150 | 182 | 211 | 240 | 270 | 298 | 328 |
- 13) ELT S/N: 058526 performance tested in accordance with Standard 571 Appendix G by Northern Avionics Inc. (AMO 68-03) WO#: 5102. ELT reinstalled and operational test completed in accordance with Standard 571 Appendix G.
  - 14) Avidyne IFD #1 S/N: M092557698 and IFD #2 S/N: M092760174 inspected/tested to 25,000 feet in accordance with Standard 571 Appendix B by Northern Avionics Inc. (AMO 68-03) WO#: 5102



DATE: 23 Apr 2014 REG: C-GBIV TOTAL AIRFRAME TIME: 1337.0 W0#: 6684

Seatbelt inflatable restraint electronic module assembly P/N: 505358-421, S/N: 09APR06-122 replaced with AmSafe factory rebuilt unit S/N: RA22APR14-142. Restraint system function testing carried out in accordance with Cirrus M.M. chapter 25 using AmSafe diagnostic tool P/N: 508987-401, no defects noted. Next replacement due in APR 2021 with NEW unit.

THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS  
AMO/ACA: 110-95-10

Brent Babiuk

MAKE Cirrus  
MODEL SR22  
S/N 2502  
REG NO C-GBIV  
WORK ORDER  
16094-05-2014



**Cirrus Design Factory Service Center**

Repair Station No YD5R855Y  
4961 Airport Road  
Duluth, MN 55811  
Phone 218-788-3438

DATE 6/25/2014  
AC TSN 1605 8  
HOBBS 1627 8

**Airframe Entries**

(2) Removed LH OB and RH OB ice protection porous panels and replaced with new LH P/N 18689-005 S/N CAV12G348 and RH P/N 18689-006 S/N AST08K913 and repainted IAW CDC AMM 30-10. Reapplied leading edge protective tape as necessary along porous panels IAW SB2X-51-02. Purged and leak check TKS system IAW CDC AMM 30-00, all checks satisfactory.

I have reviewed the file on this aircraft and the accompanying discrepancy forms. Pertinent details of this work order are on file at this Certified Repair Station CRS YD5R855Y. I certify that this aircraft has been inspected in accordance with an annual inspection and has been determined to be in an airworthy condition.

DATE: 6/25/2014

SIGNED:

Gerald Mensen  
Certified Repair Station No YD5R855Y

Work Order: 16094-05-2014

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**FOSTER AIRCRAFT MAINTENANCE LTD.**  
UNIT 3, 550 HURRICANE DRIVE, SPRINGBANK, ALBERTA  
TRANSPORT CANADA AMO#110-95

DATE: 11 July 2014 REG: C-GBIV TOTAL AIRFRAME TIME: 1360.9 W0#: 6762

- 3) Pilots door strut replaced with new P/N: 18200-003.
- 4) Pilots door lower hinge cover replaced with new P/N: 20271-005-05

THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS  
AMO/ACA: 110-95-10

Brent Babiuk

**FOSTER AIRCRAFT MAINTENANCE LTD.**  
UNIT 3, 550 HURRICANE DRIVE, SPRINGBANK, ALBERTA  
TRANSPORT CANADA AMO#110-95

DATE: 23 July 2014 REG: C-GBIV TOTAL AIRFRAME TIME: 1366.1 W0#: 6779

- 1) Engine oil changed with 7L Aeroshell W100+, oil filter inspected and replaced with new P/N: CH48108-1...
- 2) Skywatch TRC497 traffic advisory system P/N: 805-10800-001, S/N: 84967 removed and sent to L3 Communications for factory repair.
- 3) Ground run, no leaks, all parameters normal.

THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS  
AMO/ACA: 110-95-9

Cody Richardet



INSPECTION, REPAIRS & REPLACEMENT

ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE NUMBER

- upgrade. ACR blade upgraded by Avidyne Corporation WO#: 9025185 and reinstalled.
- Magnetometer calibration carried out on #1 and #2 AHRS systems.
- 2) MLB700 Datalink receiver P/N: 700-00159-001, S/N: C804A20304 repaired by Avidyne Corporation WO#: 9021763 and reinstalled

THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS

AMO/ACA: 110-95-9

Cody Richardet

FOSTER AIRCRAFT MAINTENANCE LTD.  
UNIT 3, 550 HURRICANE DRIVE, SPRINGBANK, ALBERTA  
TRANSPORT CANADA AMO#110-95

DATE: 11 Sept 2014 REG: C-GBIV TOTAL AIRFRAME TIME: 1385.1 WO#: 6819

- Skywatch TRC497 traffic advisory system P/N: 805-10800-001, S/N: 84967 repaired by L-3 Communications WO#: 1092203. Unit reinstalled and setup by Northern Avionics Inc. (AMO 68-03) WO#: 5332.

THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS

AMO/ACA: 110-95-9

Cody Richardet

FOSTER AIRCRAFT MAINTENANCE LTD.  
UNIT 3, 550 HURRICANE DRIVE, SPRINGBANK, ALBERTA  
TRANSPORT CANADA AMO#110-95

DATE: 25 Nov 2014 REG: C-GBIV TOTAL AIRFRAME TIME: 1426.3 WO#: 6906

- 1) Engine oil changed with 7L Aeroshell W100, oil filter inspected and replaced with new P/N: CH48108-1.
- 2) Turbo controller and wastegate cleaned, flushed and adjusted.
- 3) Ground run, no leaks, all parameters normal.

THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS

AMO/ACA: 110-95-10

Brent Babiuk

FOSTER AIRCRAFT MAINTENANCE LTD.  
UNIT 3, 550 HURRICANE DRIVE, SPRINGBANK, ALBERTA  
TRANSPORT CANADA AMO#110-95

DATE: 28 Jan 2015 REG: C-GBIV TOTAL AIRFRAME TIME: 1439.0 WO#: 6957

- 1) IFD software upgrade to release 9.3.1 carried out in accordance with Avidyne Service Bulletin 601-00083-039 R2.
  - IFD #1 P/N: 700-00083-000, S/N: M093266233 replaced with factory modified unit S/N: M093469167.
  - IFD #2 P/N: 700-00083-000, S/N: M092760174 replaced with factory repaired unit S/N: M111034993.
  - IRU offset calibration carried out on #1 and #2 AHRS systems.
  - Magnetometer calibration carried out on #1 and #2 AHRS systems.
- 2) Wastegate pressure relief 'H valve' removed, backflushed/cleaned and reinstalled.
- 3) Ground run, no leaks, all parameters normal.

THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS

AMO/ACA: 110-95-9

Cody Richardet

April 15



2965 Airport Road,  
Kamloops B.C. V2B 7W8 Canada

A.M.O. No.: 15-82  
Form# 13-41

**LOGBOOK INSERT**

Engine Make: Continental  
Engine Model: IO 550-N  
Aircraft Registration: C-GBIV

Engine Hours: 1742.60  
Work Order #: S63053  
T.S.N.: 1742.60

Description of work:  
Replace 6 Cylinders with new, repair alternator field circuit.

**S63053**

6 cylinders removed and 6 complete new continental 658538A2BP cylinder and piston assemblies installed as per Continental IO-550-N service manual latest rev. #1 Alternator Field Control replaced with new Pt#29435-001 IAW SR22-PC24-1860A, Sect 24-30-06, page 2, figure 6. Replaced 6" section of Alternator field wire chafed at Alternator clamp. Engine test run and all temperatures, pressures and parrameters meet manufactures specifications.

Date: April 1, 2015

Signature of authorized person



NAME/ACA # 15-82

CARRIED FORWARD



INSPECTION, REPAIRS & REPLACEMENT

ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE NUMBER

FOSTER AIRCRAFT MAINTENANCE LTD.  
UNIT 3, 550 HURRICANE DRIVE, SPRINGBANK, ALBERTA  
TRANSPORT CANADA AMO#110-95

DATE: 06 Mar 2015 REG: C-GBIV TOTAL AIRFRAME TIME: 1446.1 W0#: 6998

- 1) Engine oil changed with 7L Phillips 20w50, oil filter inspected and replaced with new P/N: CH48108-1.
- 2) Turbocharger inlet minimum pressure valves cleaned in accordance with TAT SB11-04, reinstalled and leak checked.
- 3) Turbocharger outlet check valves removed, cleaned, inspected and reinstalled.
- 4) Induction system, including heat muff, flushed and cleaned.
- 5) Ground run, no leaks, all parameters normal.

THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS

AMO/ACA: 110-95-9

Cody Richardet

FOSTER AIRCRAFT MAINTENANCE LTD.  
UNIT 3, 550 HURRICANE DRIVE, SPRINGBANK, ALBERTA  
TRANSPORT CANADA AMO#110-95

DATE: 09 Mar 2015 REG: C-GBIV TOTAL AIRFRAME TIME: 1447.7 W0#: 7002

- 1) Tube replaced with new in nose tire P/N 092-308-0.
- 2) Nose wheel bearings repacked.

THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS

AMO/ACA: 110-95-1

Jeff Foster

Independent check has been performed to ensure for correct assembly, locking, range of travel and sense of operation of the system disturbed. P. PAAL

April 15  
Date

Signature

SCA 5  
Lic. No.

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.

Date

Signature

Lic.







INSPECTION, REPAIRS & REPLACEMENT  
ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE  
LICENCE NUMBER

FOSTER AIRCRAFT MAINTENANCE LTD.  
UNIT 3, 550 HURRICANE DRIVE, SPRINGBANK, ALBERTA  
TRANSPORT CANADA AMO#110-95

DATE: 13 Apr 2015 REG: C-GBIV TOTAL AIRFRAME TIME: ~~1458.0~~ 1462.7 W0#: 7040  
Engine oil changed with 7L Aeroshell 100, oil filter inspected and replaced with new P/N: CH48108-1  
Ground run, no leaks, all parameters normal.

THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS  
AMO/ACA: 110-95-9

Cody Richardet

Inc. (AMO 68-03) W0#: 5795. ELT reinstalled and operational test completed in accordance with Standard 571 Appendix G.

- 10) Fire extinguisher inspected and reweighed.
- 11) Pilots lower door latch spring replaced with new P/N: 21861-112.
- 12) De-ice pump o-rings replaced with new P/N: 15164-092 (2) as required..
- 13) De-ice system filter replaced with new P/N: 26115-101.
- 14) De-ice system cycled through and serviced with new TKS.
- 15) LH main tire replaced with new P/N: 156E66-4.
  - S/N off: 11932274, S/N on: 31337576
- 16) RH wheel fairing axle mount replaced with new P/N: 13447-001.
- 17) Brake linings replaced with new P/N: 066-06200 (8).
- 18) Brake temp stickers replaced with new kit P/N: 70227-002.
- 19) Wheel bearings cleaned and repacked with Mobil grease 28.
- 20) Ground run, no leaks, all parameters normal.

THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS  
AMO/ACA: 110-95-1

Jeff Foster

FOSTER AIRCRAFT MAINTENANCE LTD.  
UNIT 3, 550 HURRICANE DRIVE, SPRINGBANK, ALBERTA  
TRANSPORT CANADA AMO#110-95

DATE: 26 June 2015 REG: C-GBIV TOTAL AIRFRAME TIME: 1484.8 W0#: 7118  
IFD #2 P/N: 700-00083-000, S/N: M111034993 replaced with factory repaired unit S/N: M100186938.  
• IRU offset calibration carried out on #2 AHRS systems.  
• Magnetometer calibration carried out on #2 AHRS systems.

THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS  
AMO/ACA: 110-95-9

Cody Richardet

FOSTER AIRCRAFT MAINTENANCE LTD.  
UNIT 3, 550 HURRICANE DRIVE, SPRINGBANK, ALBERTA  
TRANSPORT CANADA AMO#110-95

DATE: 07 Jul 2015 REG: C-GBIV TOTAL AIRFRAME TIME: 1492.9 W0#: 7131

- 1) Engine oil changed with 7L Phillips 20W50, oil filter inspected and replaced with new P/N: CH48108-1.
- 2) Absolute pressure controller adjusted in 1/8 turn (increase).
- 3) \* Propeller governor high stop adjusted out 1/2 turn (increase).
- 4) Ground run, no leaks, all parameters normal.

\* Independent control check completed by Brent Babiuk AMO 110-95-10  
THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS

Cody Richardet

AMO/ACA: 110-95-9

ENTRIES, DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE NUMBER

**FOSTER AIRCRAFT MAINTENANCE LTD.**  
UNIT 3, 550 HURRICANE DRIVE, SPRINGBANK, ALBERTA  
TRANSPORT CANADA AMO#110-95

DATE: 21 Aug 2015

REG: C-GBIV

TOTAL AIRFRAME TIME: 1528.1

W0#: 7182

- 1) Engine oil changed with 7L Phillips 20W50, oil filter inspected and replaced with new P/N: CH48108-1.
- 2) Ground run, no leaks, all parameters normal.

THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS

AMO/ACA: 110-95-9

Cody Richardet



**MODERN AVIONICS**

10000 Flying Cloud Drive  
Eden Prairie, MN 55347

952 / 941-2783  
800 / 525-2783  
fax 952 / 941-0206

**CIRRUS SR22, SN 2602, C-GVIB**

**HOBBS: 1873.3 FLIGHT TIME: 0.0 TT: 1557.6**

Installed new airspeed switch p/n 14128-001. Installed new flight timer that reads 0.0 after repairing airspeed switch. Actual flight and aircraft time now equal 1557.6 as derived from aircraft Journey Log. Post operations tests check good.

Aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under: Work Order #24288

Dated 10/07/15

Signed: \_\_\_\_\_



**AIRFRAME**

**CIRRUS SR22, S/N 2602, N6786W**

**FLIGHT: 0.0 HOBBS: 1873.3 TT: 1557.6**

Performed annual inspection per Cirrus SR22 maintenance/service manual. Performed ELT checks per FAR 91.207(d) ELT Battery due for replacement 10/2016. Inspected previous installation of the following STC's SA02268C11 (Airwolf Pilot/Static system certification due 10/2017. Inspected previous installation of the following STC's SA00296B0 (Avidyne DFC100 Autopilot) and filed FAA 337 forms.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under:

Work Order #24288

Dated: 10/29/2015

Signed: \_\_\_\_\_

/s/ Ryan Krause

10000 Flying Cloud Drive  
Eden Prairie, MN 55347

952 / 941-2783  
800 / 525-2783  
fax 952 / 941-0206

C.R.S. Q12R110L

AX #1

ALTIMETER SCALE  
CORRECTION CARD

ALTIMETER S/N M093469167  
PART NO. IFD 700-00083-000

REFERENCE ALTITUDE IN FT.	ALTIMETER READS	REFERENCE ALTITUDE IN FT.	ALTIMETER READS
-1000	0	14000	-10
0	0	16000	-10
500	0	18000	-10
1000	0	20000	-20
1500	0	22000	}
2000	0	25000	
3000	0	30000	
4000	0	35000	
6000	0	40000	
8000	-10	45000	
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Tested by: TR

Inspector: JK

Date: 10-29-15



**MODERN AVIONICS**

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