

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

# AIRCRAFT DESCRIPTION

MANUFACTURER Cirrus Design MODEL SR22 DATE OF MFG. 07-2002  
SERIAL NUMBER 0285 REGISTRATION NUMBER N874CD

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	IOSSO N 7B	R 686321
ENGINE			L
PROPELLER	Hartzell	PHC J34F IRF-F 7094	R
PROPELLER			L
ENGINE			
ENGINE			
PROPELLER			
PROPELLER			
ENGINE			
ENGINE			
PROPELLER			
PROPELLER			
ENGINE			
ENGINE			
PROPELLER			
PROPELLER			

1



# LIFE LIMITED PARTS OR OVERHAUL REQUIREMENTS

NAME OF PART	PART NUMBER	SERIAL NUMBER	INSTALLATION DATE/HOURS	TIME ON PART AT INSTALL.	LIFE LIMIT OR T.B.O.	REMOVAL DATE/HOURS	AGENCY CERT. NO.
<b>AUTOPILOTS CENTRAL, INC.</b>							
3112 N. 74th East Ave. Hangar #23, Tulsa Intl. Airport TULSA, OKLAHOMA 74115							
<p>N874CD SR 22 SN 0285 HOBBS 441.1 Hrs            INSTALLED NEW ROCKET P/N 26602-001            SN 0933 INSTALLED OVERHAUL'D PARA-            CHUTE 15046-002S SN 00591. WIRE            CUTTERS ARE DUE 6-2015, ROCKET &amp;            PARACHUTE ARE DUE 8-2022.            CW SB 2X95-09R1 &amp; 2X95-13            9-21-12 Ralph P. Still CR5#CN2R747K            END</p>							
<b>(918) 836-6418</b>							



# ALTIMETER & STATIC SYSTEM CHECKS

## F.A.R. 91.411

DATE	MANUFACTURER	MODEL	SERIAL NO.	LOCATION	MAX. ALT.	RECHECK REQUIRED	APPROVED BY: AGENCY      CERT. NO.
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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 43-6A.

**TESTED TO** 17,500 **FEET ON** 07-19-02

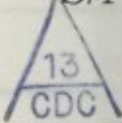
**Transponder:** Mfg Garmin P/N 13587-050

Model: GTX-327 S/N 83710445

**Encoder:** Model ACK P/N A-30 S/N 78768

**Altimeter:** Mfg United P/N 12731-001

S/N 427425

CDC Quality Assurance  on 07/19/02

Cirrus Design Corporation Duluth, MN USA

**PC# 338CE**

# ALTIMETER & STATIC SYSTEM CHECKS

## F.A.R. 91.411

DATE	PILOT	COWPILOT	SERIAL NO.	SIGNATURE	LT.	RECHECK REQUIRED	APPROVED AGENCY
<b>REF: FAR 91.411</b>							
I certify the Altimeter(s), Altitude Reporting System(s) & Static System(s) have been tested I/A/W FAR 43, Appendix E, Par A & B.							
Date: <u>04-17-07</u> Sig. <u>[Signature]</u>							
Instrument Repair Cert# <u>2589348</u>							
For Porter-Strait Instrument Company, Inc.							
Tulsa, Oklahoma							
#1 Alt P/N <u>5934D-3</u> S/N <u>427425</u>							
Digitizer P/N <u>A30</u> S/N <u>78768</u>							
Aircraft N# <u>874CD</u> WO# <u>92320</u>							



# RADIO & ELECTRONIC CHECKS

DATE	TOTAL TIME	EQUIPMENT CHECKED	TYPE OF CHECK	ERROR OR RESULTS	NEXT CHECK DUE	CHECKED BY: SIGNATURE — CERT. NO.			
		<p style="text-align: center;"><b>REF: FAR 91.413</b></p> <p>C-TX-333 ATC Mode-S Transponder S/N 84702194 was tested &amp; inspected C/W FAR 43, Appendix F. Date: 04-17-07 Sig. <i>[Signature]</i> Instrument Repair Cert# 2589348 For Porter-Strait Instrument Company, Inc. Tulsa, Oklahoma FAA# EI2R795K Aircraft N# 874CD REF WO# 92320</p>							

# RADIO & ELECTRONIC CHECKS

DATE	TOTAL TIME	EQUIPMENT CHECKED	TYPE OF CHECK	ERROR OR RESULTS	NEXT CHECK DUE	CHECKED BY SIGNATURE —
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**N874CD** IFR Ref: 91.411

Camtronics hereby certifies that altimeter(s), altitude reporting systems(s), and static system have been inspected IAW FAR 43 appendix E to 20K ft. Work order 110235 describing the work/inspection performed is on file at this repair station.

Camtronics  
Tulsa, OK 74132  
CRS #: D8XR913Y

Date: 8-19-09  
Authorization Signature: [Signature]

**N874CD** VFR Ref: 91.413 **84124302**

Camtronics hereby certifies GT4330 ATC Transponder was tested and inspected IAW FAR 43 Appendix F. Work Order 110235 describing the work/inspection performed is on file at this repair station.

Camtronics  
Tulsa, OK  
CRS # D8XR913Y

Date: 8-19-09  
Authorization Signature: [Signature]

# MAINTENANCE RECORD

## F.A.R. 43.9

DATE OF  
COMPLETION

AIRCRAFT TIME

DESCRIPTION OF WORK PERFORMED  
OR APPROVED DATA USED

AGENCY & CERTIFICATE NO.  
WORK PERFORMED/RETURNED TO SERVICE



### LOG BOOK ENTRY

DATE: 8/7/2002

MAKE: CIRRUS TOTAL TIME: 5.7 HRS.

N#: N874CD

MODEL: SR-22 HOBBS TIME: 5.7 HRS.

S/N: 0285

Removed excess body fill from screw hole on landing light lense IAW std. maint. Practices. Touched up several minor cosmetic exterior defects IAW std. Maintenance practices and AMM 51-30. Removed scratch on wind screen IAW AMM 56-10.

*The work identified above was performed in accordance with the current Federal Aviation Regulation and was found to be airworthy for return to service. Pertinent details are on file at this agency under;*

W/O#: 080602-03 *of [signature]*

SIGNED

DATED: 8/7/02

Cirrus Design Factory Service Center, CRS# YD5R855Y, 4515 Taylor Circle, Duluth, MN 55811

# 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
4/1/03	78.3	Clw SB 22-52-01 by installing drain holes in the cabin and baggage doors as instructed. Clw SB 22-55-05 by enlarging the drain holes in the Rudder Bottom and elevator tips. Installed Flap Emi harness P/N 70041-101 I/A/W SB 22-27-02. Clw AD 2002-21-02 Trim cartridge Nut replacement by installing P/N MS21044 N3 nuts I/A/W SB 22-27-03	
		<p><b>MAINTENANCE RELEASE</b></p> <p>The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service.</p> <p>Pertinent details of the repair are on file at this agency under work order:</p> <p>No. <u>15596 + 15597</u> Date <u>4/1/03</u></p> <p>Signed <u>Wesley B. Meyer</u></p> <p>G-Force Aviation, Inc. Akron/Canton Regional Airport Building #17 North Canton, Ohio 44720 FAA Repair Sta. G25R2354</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
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**AIRCRAFT LOGBOOK ENTRY**

DATE 11-03-2003 REG.NO. N874CD  
MAKE CIRRUS DESIGN MODEL SR-22 SN 0285  
TACH TIME 87.1 TOTAL TIME 87.1  
COMPLETED A 100 HR./ ANNUAL INSPECTION IN ACCORDANCE WITH THE AIRCRAFT 100 HR. INSPECTION FORM ALL ROUTINE ITEMS WERE COMPLETED. SEE CURRENT AD LIST FOR AD'S THAT WERE COMPLIED WITH. THE FOLLOWING MAINTENANCE ITEMS, WERE COMPLETED. INSTALLED AN E-Z HEAT ENGINE PREHEATER, FILLED BATTERY WITH DISTILLED WATER, CHARGED #2 BATTERY. I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION THIS DATE.

SIGNED Wesley S. Hines  
WESLEY S. HINES A&P 1246026 IA

ELT WAS INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION, REQUIRED BY FAR 91.207 (c) & (d), AND WAS FOUND TO BE AIRWORTHY THIS DATE 11-03-2003  
BATTERY EXPEARATION DATE Mar 2008  
SIGNATURE Wesley S. Hines  
WESLEY S. HINES A & P 124602

# MAINTENANCE RECORD

## F.A.R. 43.9

DATE OF DETENTION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
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*119,1*

11/15/04 Hobbs ~~1199.T~~ N874CD AIRFRAME

C/W Cirrus SB 2X-27-08 Trim Cartridge Modification and Lube by installing kit 70067-001 as instructed. C/W Cirrus SB 2X-95-07 CAPS placard installation by installing P/N 15868-001 placard as instructed. C/W Cirrus SB 2X-28-02 Fuel Selector Valve Shaft Inspection by installing Kit # 70066-001 as instructed. C/W Cirrus SB 2X-32-08 Brake Line Inspection by installing kit P/N 70071-001 as instructed. C/W Cirrus SB 2X-55-10 Horizontal Stabilizer Inspection Hole Closeout by installing kit 70070-001 as instructed. C/W Cirrus SB A2X-25-08 Crew Seat Break Over Bolt Adjustment by inspecting and adjusting the bolts as instructed. C/W Cirrus SB 2X-25-05 AM-Safe Seat Belts by installing kit P/N 70064-001 as instructed. C/W Cirrus SB 2X-33-02 Landing Light Contact by installing kit P/N 70075-001 as instructed. C/W Cirrus SB 2X-25-06 Crew Seat Recline Lock Mod. By installing kit 70084-001 as instructed. C/W Cirrus SB 2X-28-03 Fuel Selector Shaft Sleeve by installing kit 70097-001 as instructed. Tightened the center post nuts on both fuel sender units. Replaced the inboard flap hinge fairings. Re-secured the wing root fairings.

### MAINTENANCE RELEASE

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

Pertinent details of the repair are on file at this agency under work order:

No. 78126, 78127, 78128 Date 11/15/04

Signed Michael B. Maguire for

G-Force Aviation, Inc.  
Akron/Canton Regional Airport  
Building #17  
North Canton, Ohio 44720  
FAA Repair Sta. G25R235Y

DATE OF COMPLETION

AIRCRAFT TIME IN SERVICE

01/03/05 HOBBS 119.5

I CERTIFY THAT THE ALTIMETER AND STATIC SYSTEM TEST REQUIRED BY FAR 91.411 HAVE BEEN PERFORMED FOUND TO BE IN ACCORDANCE WITH FAR 43 APPX. E (PARA NOTED)

- 1. Static System per Para. (a)
  - 2. L. Altimeter per Para. (b) to 30,000 FL S/N 427425
  - 3. R. Altimeter per Para. (b) to X,000 FL S/N X
  - 4. Integrated System per Para. (c)
  - 5. Item No. 1 Tested by: JC Date: 01/03/05
- G-Force Aviation, Inc. - CRS# G25R235Y

THE TRANSPONDER TEST REQUIRED BY FAR 91.413 HAS BEEN PERFORMED AND FOUND TO MEET THE REQUIREMENTS OF FAR 43 APPENDIX "F" AND APPENDIX "E", PAR. C. IF APPLICABLE

TXP MAKE GARMIN MODEL GTX-327  
 SERIAL NO. 83710445 TSO C74L  
 G-FORCE AVIATION, INC. G25R235Y  
 DATE 01/03/05 SIGNED J Cowan

MAINTENANCE RELEASE

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

Pertinent details of the repair are on file at this agency under work order.

No. R2281 Date 01/03/05

Signed Jack Cowan for  
 G-Force Aviation, Inc.  
 Akron/Canton Regional Airport  
 Building #17  
 North Canton, Ohio 44720  
 FAA Repair Sta. G25R235Y

# MAINTENANCE RECORD

## F.A.R. 43.9

DESCRIPTION OF WORK PERFORMED  
OR APPROVED DATA USED

AGENCY & CERTIFICATE NO.  
WORK PERFORMED/RETURNED TO SERVICE

Work Order Number: R8281 Date: 11/3/05  
Make: UNITED Model: 12731-001 S/N: 427425

Altitude Encoder Tolerance  $\pm 125$  ft.

Altitude	Error	Altitude	Error	Altitude	Error	Altitude	Error
-1,000	-5	2,000	+20	10,000	+5	20,000	
-0-	+10	3,000	+15	12,000	+15	22,000	
500	+20	4,000	+5	14,000	-0-	25,000	
1,000	+20	6,000	-0-	16,000	-0-	30,000	
1,500	+20	8,000	+15	18,000	+15	35,000	

Technician: JL

Inspector: Jack Cowger

Repair Station

**G-FORCE AVIATION, INC.**

AKRON-CANTON AIRPORT

NORTH CANTON, OH 44720

(330) 499-9790

FAA CRS #G25R235Y

Form AC 100



# 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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1/7/05 Hobbs 119.5 N874CD AIRFRAME

Performed an Annual Inspection. The wheel bearings were cleaned, inspected and repacked. Replaced the left landing gear grommet. The battery was removed, serviced and charged. Performed an electrical check. C/W Cirrus SB 2X-24-03 MCU Sealing by sealing the MCU as instructed. C/W SB 2X-25-07 Dual Inertia Reel Seat Belt Installation by installing kit 70076-001-8060 as instructed. C/W Cirrus SB 2X-32-06 Wheel Pant Washers by installing kit 70050-001 as instructed. C/W Cirrus SB 2X-33-02 Landing Light Contact by installing kit P/N 70075-001 as instructed. C/W Cirrus SB 2X-57-03R1 Wingtip Shear Pin Inspection. The right wing checked ok. The left wing had insufficient engagement. Installed an improved bearing plate kit P/N 70054-002 in the left wing as instructed. C/W Cirrus SB 2x-57-04 Outboard Aileron Hinge Inspection as instructed. Checked Ok. C/W Cirrus SB 2X-71-05 Induction Duct Support by installing kit 70051-001 as instructed. C/W Cirrus SB 2X-78-04R1 #4 & #5 Exhaust Header inspection. Installed kit 70048-001 as instructed. C/W Cirrus SB 2X-80-01 Starter Inspection. Replaced the subject starter with a new starter P/N 656181B2-24V S/N 04-264-0075. C/W Cirrus SB 2X-95-08 Caps Line Cutter Logbook correction by inspecting the line cutter lot # and entering the correct expiration date to the logs. The line cutter expiration date is MAR. 08. Inspected the Elt I/AW FAR. 91.207 par (d). The ELT batteries were found leaking. Replaced the batteries and tested operation. Checked Ok. Due again Mar. 11. Cleaned fuel screens, serviced reservoirs and lubed controls. AD's were checked thru 2004-26

TACHOMETER 119.5 TOTAL TIME 119.5  
 I CERTIFY THAT  
 THIS ( Aircraft ) HAS BEEN INSPECTED IN  
 ACCORDANCE WITH AN Annual  
 INSPECTION AND WAS DETERMINED TO BE IN  
 AIRWORTHY CONDITION. PERTINENT DETAILS OF  
 THE REPAIR ARE ON FILE AT THIS AGENCY  
 UNDER WORK ORDER:

NO. M8258-M8263 + M8211  
 DATE 1/7/05 SIGNED David B. Mack  
 G-FORCE AVIATION, INC. EA270667330  
 AKRON/CANTON AIRPORT  
 NORTH CANTON, OHIO 44720  
 FAA REPAIR STA. G25R235Y

# 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
03/29/2006	TACH 163.3	REPLACED UP + DOWN FLAP RELAYS P/N 50288-001. SYSTEM WORKS OK. By <i>Chetwan</i> A/P 585 122 494	

**Aero Structures, Inc**  
4765 Frank Luke Drive

**CRS QRQR810L**  
Addison, TX 75001

**Ph 972-267-2376**  
**Fax 972-267-2377**

**N874CD**

**Cirrus Design Corp. SR-22**

**S/N-0285**

**ATT- 205.1**

Reinstalled Sandel after 2 year mandatory bulb replacement performed by Flite Electronics W/O: 12762. Replaced manifold pressure sensor with new P/N: 12635-001. Replaced cracked landing light lense with new P/N: 14199-002. Tightened loose landing light adjustment screw. Re-attached loose engine pre-heater stand off using RTV 736. Serviced main aircraft battery. Replaced loose co-pilot reading light switch button using Loctite 242. Replaced missing nose and L/H main gear wheel pant fairing, tire valve core access covers P/N: 50498-200, 2ea. Replaced induction air filter with new P/N: BA-24. Reinstalled ELT after rebuild by ACK Technologies (PT0880NM) W/O: R994, P/N: E-01, S/N: 42453, ELT batteries next due 3/2011. Replaced double sided tape as required to re-attach wing root fairings. Repaired fuel leak in L/H wing fuel tank IAW Cirrus SR22 Maintenance Manual and Cirrus Engineer Field Repair Deviation drawing number R7989, sheets 1 thru 4. Replaced broken nut plates on L/H wing lower outboard fuel access panel P/N: NAS1473A08, 2ea. Resealed fuel tank repair, nut plates, and access panel using AC-240-B-1/2, lot 5352/A, 5353/B, DOE 09/06. Repainted affected wing leak repair area. Reinstalled fuel boost pump after repair by Dukes Inc (WU2R279L) P/N: 5217-00-3, S/N: 0546. Replaced deteriorated L/H and R/H upper vertical stab grommets with new P/N: 35489-135, 2ea. Replaced #2 batteries with new P/N: 50979-001. Repaired chafed hole in L/H forward vertical prop close out soft baffle attach point by fabricating doubler and installing using rivets; all work done IAW AC43.13 1B, chapter 4, section 4. CW'd SB 2X-57-05 R1, aileron hinge bearing and gap inspections by installing kit P/N: 70105-001; L/H side shim P/N: 17105-001; R/H side OK. CW'd SB 2X-57-06 R1, flap hinge fairing replacement by installing inboard fairing kit P/N: 16738-101. Installed new L/H and R/H main gear flexible brake hoses P/N: 50555-072, 2ea. Serviced dry brake reservoir with MIL-H-5606. Brake linings and tires worn beyond serviceable limits. The previously described work was performed and inspected in accordance with a 100hr/annual inspection using the Cirrus SR-22 maintenance manual checklist, and current rules of the Federal Aviation Administration and a list of discrepancies and unairworthy items has been given to the aircraft owner. Pertinent details are on file at this repair station under Work Order **060127**.

*Signature*

Date: 03-06-2006

for Aero Structures, Inc. CRS QRQR810L

# 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
4/28/2006		INSTALLED BOTH LEFT AND RIGHT MAIN WHEEL TIRES AIR TEAC 15-6-6, REPLACED ALL 8 BRAKE LININGS RA66-105.	
		MMW	
		JOE MORAN ACP 30863521A	

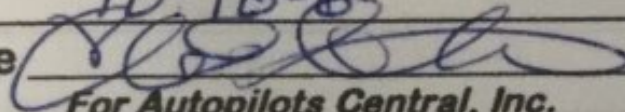
Ref: 91.411

I certify that the altimeter(s), altitude reporting system(s), and static system(s) have been tested and inspected IAW FAR Part 43, Appendix E, 1A, B, and C.

Date

10-16-06

Signature



For Autopilots Central, Inc.  
Tulsa, Oklahoma FAA CRS CXM2R747K

Work Order #

MA06-01720



### Autopilots Central, Inc.

Hangar 23, Tulsa International Airport - Tulsa, OK 74115  
 P.O. Box 582108 - Tulsa, OK 74158  
 (918)836-6418 - Fax (918)832-0136  
 FAA CRS CM2R747K  
 Logbook Entry

Sold To: OPM  
 1045 Keystone Ave.  
 Catoosa, OK 74015 USA

Work Order: MA06-01720  
 Acct Number: (918)760-6771  
 Department: Maintenance

Opened: 10/11/2006  
 Closed: 10/16/2006

**Aircraft Number:** N874CD      **Type:** CIRRUS SR22      **S/N:** 0285

Total Time: 270.7    Hobbs Time: 270.7    Tach Time: 0.0    LG Cycles: \_\_\_\_\_  
**Eng#**    **Type**      **S/N**      **Time**    **Cycles**    **Prop Type**      **Prop S/N**      **Prop Time**  
 1    IO-550-N(7)      686321      270.7           PHC-H3YF-1RF      FP1835B      270.7

**Discrepancy: 1**  
**Problem:**  
 SB2X-28-04R1, fuel line modification is due.  
**Action Taken:**  
 Inspected the fuel lines in the center console area and installed kit 70133-001 iaw SB 2X-28-04R1 per AD2006-07-06 paragraph (e) (1). No warranty on this item. The standard warranty expired 8-14-2004.

Part Number	Description	Credit	Quantity	Units	Unit Price	Extended
70133-001	Kit, Fuel Line Shield		1.00	Each		\$
	Freight		1.00			\$

**Discrepancy: 2**  
**Problem:**  
 SB2X-25-17R1, Crew break over pin replacement. is due.  
**Action Taken:**  
 Installed crew seat lock pin kit 70130-001 per SB 2X-25-17R1 and AD2006-19-10 para (e) (1). Found seat recline lock blocks kit 70084-001 were previously installed on both seats. This kit complies with AD2006-19-10 para (e) (2). The warranty cut off date on this SB was July 20th 2006.

Part Number	Description	Credit	Quantity	Units	Unit Price	Extended
70130-001	Kit, Crew Set Break-Over Pin		1.00	Each		\$

**Discrepancy: 3**  
**Problem:**  
 SB2X-32-14R1, main gear fairing modification and brake temperature indication is due.  
**Action Taken:**  
 CW SB 2X-32-14R1 by modifying both main gear wheel pants and installing the brake cylinder temperature indicators on both brake cylinders. Cirrus warranty.  
**Note:**  
 This Discrepancy is covered under warranty.

Part Number	Description	Credit	Quantity	Units	Unit Price	Extended
70144-001	Kit, Wheel Fairing (2X-32-14)		1.00	Each		\$

**Discrepancy: 4**  
**Problem:**  
 SB2X52-04R1, Cabin door strut modification is due.  
**Action Taken:**  
 CW SB2X-52-04R1 by installing kit 70151-001. Aircraft is past its standard warranty period.

Part Number	Description	Credit	Quantity	Units	Unit Price	Extended
70151-001	Kit, Rod End Catcher		1.00	Each		\$

**Discrepancy: 5**  
**Problem:**  
 SB2X-78-05, Exhaust hanger is due. No warranty on this SB.  
**Action Taken:**

MAINTENANCE RECORD

MAINTENANCE RECORD

Kit is on back order at this time.

**Discrepancy: 6**

**Problem:**  
 Stall warning horn is too low. Need to test fly and verify this complaint.

**Action Taken:**  
 Found the stall warning circuit breaker pops in flight. The system is shorted some where and blows the CB. Opened up the center console and trouble shoot the system. Found the stall warning unit was defective. Installed new unit and closed up console. Performed test flight per Maintenance manual and set stall warning system.

Part Number	Description	Credit	Quantity	Units	Unit Price	Extended
12801-001	Switch		1.00	Each		\$
	Freight		1.00			\$

**Discrepancy: 7**

**Problem:**  
 Autopilot hold is off 200 feet. S-Tec 55X autopilots with a ST-360 alerter system. A/C levels off 200 feet higher that selected in the climb and 250 feet on the descent settings.

**Action Taken:**  
 Tested static system for leaks. The system leaked past allowable limits. Pulled up the altimeter and alerter system to check outputs. Found a 250 foot error between the blind encoder and the altimeter. Removed both units for bench tests.

**Discrepancy: 8**

**Problem:**  
 5934D-3 United Altimeter S/N 427425  
 Bench check and certify.

**Action Taken:**  
 Inspected and certified IAW FAR 43, Appendix E to 20,000 ft.

**Discrepancy: 9**

**Problem:**  
 A-30 Encoder S/N 78768  
 Bench test and certify.

**Action Taken:**  
 Inspected and certified IAW FAR 43, Appendix E to 20,000 ft.

**Discrepancy: 10**

**Problem:**  
 Test of altitude reporting system found approximately 250 ft. discrepancy and 500 fpm leak in static system. Repaired static system by securing loose connections at airspeed indicator, altimeter, VSI and replaced punctured hose at encoder. Retest of altitude reporting system found it to be within specifications.

**Action Taken:**  
 Repaired static system by securing loose connections at airspeed indicator, altimeter, VSI and replaced punctured hose at encoder. Retest of altitude reporting system found it to be within specifications.  
 Reinstalled altimeter and encoder after calibration.

**Discrepancy: 11**

**Problem:**  
 Manifold pressure gage fluctuates about one inch MP. Need to trouble shoot.

**Action Taken:**  
 Cleaned connector pins on the transducer pick up. Checked pin drag and adjusted pin tension. Cleaned the ground connection at the ground bus on the firewall. MP gage operation was normal on the autopilot flight test.

<b>Totals:</b>						
	<b>SubTotal:</b>					\$
	<b>Less Warranty Labor:</b>					\$
	<b>Less Warranty Parts:</b>					\$

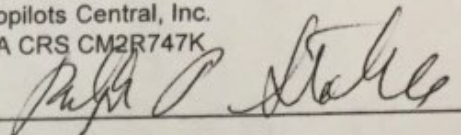
Total Charges:

\$

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

Autopilot Central, Inc.  
FAA CRS CM2R747K

Authorized Signature



MAINTENANCE RECORD

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

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

3. Form Tracking Number:  
MAD6-01720

4. Organization Name and Address:  
FAA CRS #CM2R747K  
**AUTOPILOTS CENTRAL, INC.**  
HANGAR 23, TULSA INT'L AIRPORT • TULSA, OKLAHOMA 74115

5. Work Order/Contract/Invoice  
Number: Same #3

6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch No.:	12. Status/Work:
1	Encoder	A-30	-	1	78768	Inspected

13. Remarks:  
Reference attached service shop report for work performed.

14. Certifies the items identified above were manufactured in conformity to:  
 Approved design data and are in 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:  
*Sam Birdsong*

21. Approval/Certificate No.:  
CM2R747K

17. Name (Typed or Printed):

18. Date:

22. Name (Typed or Printed):  
Sam Birdsong

23. Date (m/d/y):  
10-16-6

**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 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.

FAA Form 8130-3 (6-01)

\*Installer must cross-check eligibility with applicable technical data.

NSN: 0052-00-012-9005

AGENCY & CERTIFICATE NO.	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AIRCRAFT TIME IN SERVICE	DATE OF COMPLETION

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

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

3. Form Tracking Number: MA06.0172a

4. Organization Name and Address: **AUTOPILOTS CENTRAL, INC.**  
FAA CRS #CM2R747K HANGAR 23, TULSA INT'L AIRPORT • TULSA, OKLAHOMA 74115

5. Work Order/Contract/Invoice Number: Same #3

6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch No.:	12. Status/Work:
1	Altimeter	5934D-3	-	1	427425	Inspected

13. Remarks:  
Reference attached service shop report for work performed.

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

Approved design data and are in 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: *Sam Birdsong*

21. Approval/Certificate No.: CM2R747K

17. Name (Typed or Printed):

18. Date:

22. Name (Typed or Printed): *Sam Birdsong*

23. Date (m/d/y): 10.16.06

**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 accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.

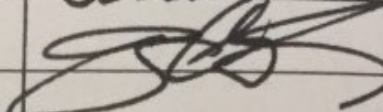
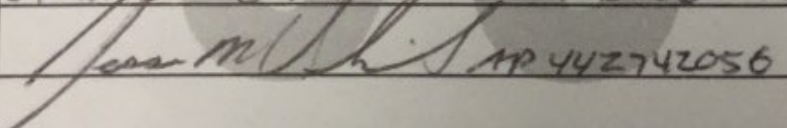
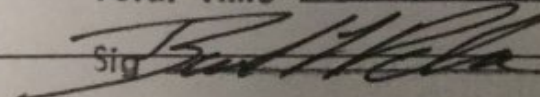
Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the regulations of the user/installer before the aircraft may be flown.

FAA Form 8130-3 (Rev. 10-2005) 0052-00-012-9005



# 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
12/28/06		Oil: Filter Change Plugs Cleaned: 9 APPROP Oil Aeroshell 15w-50	Brett Taylor Jessie Schneider 
4/12/07	317.0	REMOVED ALL FAIRINGS FOR ANNUAL PER CIRRUS SR22 MANUAL TIRES & BRAKES GOOD WHEEL BEARING CLEANED & REPACKED. BATTERY CHECKED REPLACED MISSING WHEEL SPACER NO DAMAGE FOUND REPLACED BRAKE CYLINDER O RINGS PER AD 06-21-03  AD 442742056	
		<p>"I certify that this aircraft has been inspected in accordance with an <u>Annual</u> inspection and was determined to be in airworthy condition."</p> <p>Total Time <u>317.0</u> Date <u>4/12/07</u></p> <p>Sig  A &amp; P <u>513566435IA</u></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
4-17-07	CW	91.411 + 91.413 checks	
		See Radio Section for	
		Sign off For Porters Strait Int Co	
		FAA AS EI 2R 7957C	
		Fuel IRC 2589348	
		- End -	

04/16/07

N874CD

Ser# 0285

Hobbs 317.0

Removed Garmin GTX 327 Transponder. Installed Garmin 330 Transponder. Tested all systems and Interface I.A.W. manufactures installation manual. All systems tested OK for return to service. See 337 this date for installation details.

APD AP074503082IA



**Autopilots Central, Inc.**  
 Hangar 23, Tulsa International Airport - Tulsa, OK 74115  
 P.O. Box 582108 - Tulsa, OK 74158  
 (918)836-6418 - Fax (918)832-0136  
 FAA CRS CM2R747K  
 AIRFRAME Logbook Entry

Sold To: OPM  
 1045 Keystone Ave.  
 Catoosa, OK 74015 USA

Work Order: MA07-02054  
 Acct Number: (918)760-6771  
 Department: Maintenance

Opened: 8/10/2007  
 Closed: 8/15/2007

**General Comments:**

Owner is Bret Taylor.

Aircraft Number: N874CD Type: CIRRUS SR22 S/N: 0285

Total Time: 353.7 Hobbs Time: 353.7 Tach Time: 0.0 LG Cycles:

Eng#	Type	S/N	Time	Cycles	Prop Type	Prop S/N	Prop Time
1	IO-550-N(7)	686321	353.7		PHC-H3YF-1RF	FP1835B	353.7

**Discrepancy: 1**

**Action Taken:**

CW SB A2X-95-10 R2 ATA 95-00: Special Equipment CAPS Pick Up Support inspection and replacement, by installing KIT PN 70181-002.

**Note:**

This Discrepancy is covered under warranty.

Part Number	Description	Credit	Quantity	Units	List Price	Disc	Unit Price	Extended
70181-002	Kit, CAPS A2X-95-10		1.00	Each				\$

**Discrepancy: 2**

**Action Taken:**

CW SB 2X-95-09 R1 ATA 95-00: Special Equipment CAPS Strap Abrasion Inspection and installing Kit PN 70142-001.

**Note:**

This Discrepancy is covered under warranty.

Part Number	Description	Credit	Quantity	Units	List Price	Disc	Unit Price	Extended
70142-001	Kit, Sheath, Caps Strap		1.00	Each				\$

**Discrepancy: 3**

**Action Taken:** R3

CW SB 2X-27-14R2 ATA 27-00: Flight Controls Rudder-Aileron Interconnect Modification, by repositioning interconnect clamps.

Part Number	Description	Credit	Quantity	Units	List Price	Disc	Unit Price	Extended
AN3-5	Bolt		1.00	Each				\$
AN525-1032R12	Screw		2.00	Each				\$
MS17825-3	Nut		1.00	Each				\$

**Discrepancy: 4**

**Action Taken:**

Verified customer complaint, the autopilot was inoperative. Removed the # 2 GNS430 and the transponder to get access to the autopilot controller unit and rack. Removed S TEC 55X controller unit p/n 01192-34-61T-30 unit s/n 4469. Inspected pins on the unit and receptacles in the rack. Installed controller and seated firmly in its rack. Autopilot went through its ground test. Installed the # two 430 and transponder. Test flew a/c with proper autopilot operation.

**Discrepancy: 5**

**Action Taken:**

Installed single exhaust hanger kit 70106-001 per SB 2X-78-05R1.

Part Number	Description	Credit	Quantity	Units	List Price	Disc	Unit Price	Extended
70106-001	Kit, Exhaust Hanger		1.00	Each				\$

W/O # MA07-02054 DATE 8/15/07 HRS 353.7 HM  
 AUTOPILOTS, CENTRAL, INC.  
 TULSA, OK 74115  
 SIGNATURE *Paul P. Stok*  
 FAA CRSCM2R747K

& CERTIFICATE  
 AED/RETURNED

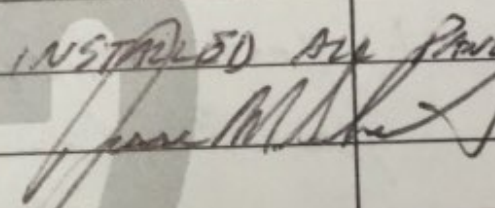
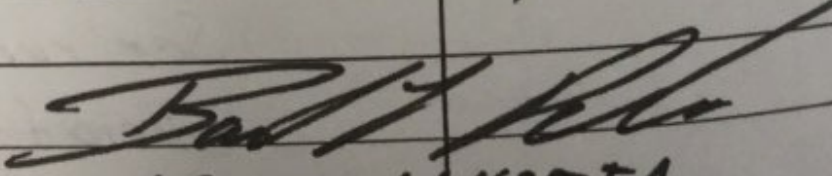
# MAINTENANCE RECORD

## 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
5-29-08	389.5	REMOVED PANELS FOR ANNUAL INSPECTION PER CIRRUS SR22 MANUAL. REPLACED BATTERY. CLEANED & REPAIRED ALL WHEEL BEARINGS. (I/W 91.207(d) by post & inspection of ELT, <i>[Signature]</i> AP442742056	
		"I certify that this aircraft has been inspected in accordance with an <u>Annual</u> inspection and was determined to be in airworthy condition."	
		Total Time <u>389.5</u> Date <u>5/29/08</u>	
		Sig <i>[Signature]</i> A & P <u>513566425JA</u>	
		See current AD note list in aircraft records.	

# 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
8/21/09	HOBBS 437.5	REMOVED ALL PANELS FOR ANNUAL INSPECTION. PER CARBIS MAXIMUM REMOVED ELT FWD C/W FAR 91.207(d) REINSTALLED. REPLACE ALL TIRES REPLACED ALL BRAKE SEALS AND TEMP INDICATORS C/W SB. 2X-05-01. BLEED BRAKES, REPAIRED ALL WHEEL BEARINGS, INSTALLED ALL PANELS	 AN42747056
8/21/09	HM 437.5	ACTT 437.5	
Completed annual inspection this date. See current AD note list in aircraft records. I certify this aircraft has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.			
 AP 513566435IA			

# INSPECTION RECORD

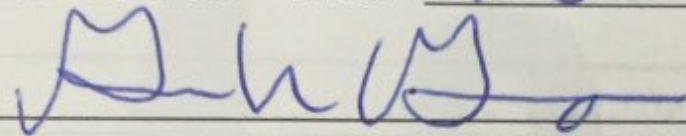
## F.A.R. 43.11-91.409

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

DATE AIRCRAFT TIME  
IN SERVICE  
07-30-02 5.1 Hrs

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

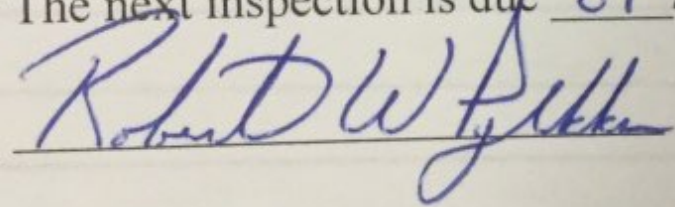
Name: Gerald Grimsbo Date: 7-30-02

Signature: 

Title: Production Flight Test Pilot

07-30-02 5.1 Hrs

I find that the aircraft meets the requirements for the  
certification requested and have issued a Standard  
Airworthiness Certificate dated 07 / 30 / 02.  
The next inspection is due 07 / 31 / 03.



Robert W. Pylkka  
DMIR410075CE