

## Delivered Weight Data & Equipment List

Model	Serial Number	Registration Number
SR22	0295	N882CD
Basic Empty Weight:	2298 lb	<i>superseded december 2, 2002</i>
Total Moment/1000:	320.243	
Center of Gravity:	F.S. 139.4 / 13.2 % MAC	
Parachute Canopy Color:	Orange/White	

**\* NOW 2306.99 AFTER ASPEN INSTALLATION NOV 2013  
SEE PREVIOUS PAGE 1193 USEFUL LOAD**

The following pages list required, standard, and optional equipment, as well as gives the weight and arm of each listed item. This listing represents the airplane and all options available at the time of delivery and does not include any equipment installed after delivery.

### ■ Note ■

Not all optional equipment in this listing was installed in the above serial number airplane. Equipment listed as optional but not installed in the airplane is indicated by a hyphen (-) in the quantity column for that piece of equipment.

Equipment is listed in columnar format as follows:

**ATA-Item** Each item in the listing is provided a unique number. The first two digits of the number represent the ATA or GAMA Chapter reference number. These numbers are used industry wide and in the Cirrus Design SR22 Maintenance Documentation to locate items in the Maintenance Manuals and or Parts Catalogs. The two digits following the hyphen are sequence numbers for each item in that chapter.

**Description** This is the component, assembly, or installation name.



## WELLS AIRCRAFT, INC.

800 AIRPORT ROAD  
MUNICIPAL AIRPORT  
HUTCHINSON, KS 67501-1953  
CRS NT2R043L  
(620)663-1546  
www.wellsac.com

## EQUIPMENT CHANGE - WEIGHT &amp; BALANCE

REG. NO.	MODEL		Serial No.
N822CD	Cirrus SR 22	295	
Items: (Description / P/N / S/N)	Weight	Arm	Moments
	Pounds	Inches	Inch/Pounds
Previous Aircraft Empty Weight:	2309.04	139.18	321379.2
Removed Equipment			0
Remote Gyro	-4.2	180	-756
Sandel navigation indicator	-2.5	116	-290
Flux detector	-0.4	145	-58
GI-106A	-1.25	123	-153.75
VSI	-0.8	123	-98.4
GPS antenna (moved position)	-0.4	145	-58
			0
Installed Equipment this date			
GPS antenna	0.4	123	49.2
Aspen RSM	0.8	145	116
EFD 1000	2.9	121	350.9
Config moduals	0.2	105	20.4
EFD 500	2.4	121	290.4
ACU	0.8	110	88
Totals	2306.99	139.0903	320879.95

A. Old Empty Weight	2309.04 Pounds
B. Old Empty CG	139.18 Inches
C. Old Empty Weight CG Moment	321379.2 Inch/Pounds
D. Max Gross Weight	3600 Pounds
E. Old Useful Load	1290.96 Pounds

A. New Empty Weight	2306.99 Pounds
B. New Empty CG	139.0903 Inches
C. New Empty Weight CG Moment	320880 Inch/Pounds
D. Max Gross Weight	3600 Pounds
E. New Useful Load	1293.01 Pounds

This new weight & balance information superseads all previous weight and balance data.  
For aircraft loading, see instructions in Weight & Balance Section of Aircraft Flight Manual.

FAA Form 337 Completed? ☐ Y  
Equipment List Amended? ☐ Y

By: \_\_\_\_\_ Date: \_\_\_\_\_

Colorado  
Aviation, Inc.



Craig E. Powell  
President

## Aircraft Weight and Balance

Reg. Number:- N882CD

Manufacture:- Cirrus

Model:- SR22

Serial Number:- 295

Aircraft hours:- 46.9

Completion Date:- December 2, 2002

Gross weight

3,400.00

Starting empty weight

2,298.00

Starting center of gravity

139.40

Starting useful load

1,102.00

<u>Item</u>	<u>List of items removed</u>	<u>Weight</u>	<u>Arm</u>	<u>Moment</u>
1				0.00
2				0.00
3				0.00
4				0.00
	<b>Total</b>	<b>0.00</b>		<b>0.00</b>

<u>Item</u>	<u>List of items installed</u>	<u>Weight</u>	<u>Arm</u>	<u>Moment</u>
1	Engine monitoring system W800 wire harness, cabin.	1.84	108.00	198.72
2	Engine monitoring system W800 wire harness, firewall fwd.	0.78	92	71.76
3	Engine monitoring system EGT and CHT sensors.	1.02	75.00	76.50
4	Engine monitoring system Sensor Interface Unit (SIU).	1.04	117.00	121.68
5	Engine preheat system per Reiff Corp. instructions.	2.31	78.00	180.18
	<b>Total</b>	<b>6.99</b>		<b>648.84</b>

New empty weight

2,304.99

New center of gravity

139.26

New useful load

1,095.01

Signature:-

Edward G. Drent

Certificate Number:- A&P1648413



U.S. Department of  
Transportation  
Federal Aviation  
Administration

# MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

Form Approved  
OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act 1958)

1. Aircraft	Make CIRRUS	Model SR22
	Serial No. 0295	Nationality and Registration Mark N882CD
2. Owner	Name (As shown on registration certificate) THAYER J PHILIP	Address (As shown on registration certificate) 6528 STANDING BOY RD COLUMBUS, GEORGIA 31904-3362 UNITED STATES

3. For FAA Use Only

4. Unit Identification				5. Type	
Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	~~~~~(As described in item 1 above)~~~~~			<input type="checkbox"/>	<input checked="" type="checkbox"/>
POWERPLANT				<input type="checkbox"/>	<input type="checkbox"/>
PROPELLER				<input type="checkbox"/>	<input type="checkbox"/>
APPLIANCE	Type			<input type="checkbox"/>	<input type="checkbox"/>
	Manufacturer			<input type="checkbox"/>	<input type="checkbox"/>

## 6. Conformity Statement

A. Agency's Name and Address EPPS AVIATION, INC. 1 AVIATION WAY ATLANTA, GA. 30341	B. Kind of Agency <input type="checkbox"/> U.S. Certified Mechanic <input type="checkbox"/> Foreign Certified Mechanic <input checked="" type="checkbox"/> Certified Repair Station <input type="checkbox"/> Manufacturer	C. Certificate No. ESMR688D AIRFRAME-CLASS III RADIO CLASS I, II, AND III INSTRUMENT I,II,III,IV
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D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date 10/2/89	Signature of Authorized Individual <i>Christopher A. Williams</i>
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## 7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	<input type="checkbox"/> FAA Fit Standards Inspector	<input type="checkbox"/> Manufacturer	<input type="checkbox"/> Inspection Authorization	Other (Specify)
	<input type="checkbox"/> FAA Designee	<input checked="" type="checkbox"/> Repair Station	<input type="checkbox"/> Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection 10/2/89		Certificate or Designation No. ESMR688D	Signature of Authorized Individual <i>Christopher A. Williams</i>	

Colorado  
Aviation, Inc.



Craig E. Powell  
President

## Aircraft Weight and Balance

Reg. Number:- N882CD  
Make:- Cirrus  
Model:- SR22  
Serial Number:- 295  
Aircraft hours:- 172.1

Completion Date:- February 24, 2004

Gross weight 3,400.00  
Starting empty weight 2,304.99  
Starting center of gravity 139.26  
Starting useful load 1,095.01

Item	List of items removed	Weight	Arm	Moment
1	Starter, P/N 655566 ser. # 02 142 0072	6.60	85.00	561.00
2				0.00
3				0.00
4				0.00
Total		6.60		561.00

Item	List of items installed	Weight	Arm	Moment
1	Starter, P/N 656181 Ser. # 03 185 0041	8.35	92.90	775.72
2				0.00
3				0.00
4				0.00
Total		8.35		775.72

New empty weight 2,306.74  
New center of gravity 139.73  
New useful load 1,093.26

Signature:-

*Robert L. Buel*

Certificate Number:- AP074507243



Wt\_Bal

EQUIPMENT CHANGE - WEIGHT & BALANCE					
REG. NO. N882CD		MODEL SR22		Serial No. 295	
		Weight Pounds		Arm Inches	
Items: (Description / P/N / S/N)				Moments Inch/Pounds	
Previous Aircraft Empty Weight:		2306.74		139.73	
Installed dual Inertia Reel seat belts		2		155	
<b>Totals</b>		2308.74		321300.04	

SUPERSEDED  
 DATE: 10/2/89  
 EPPS AVIATION, INC.  
 FAA CSR# ESMR688D

A. Old Empty Weight	2306.74 Pounds
B. Old Empty CG	139.73 Inches
C. Old Empty Weight CG Moment	320990 Inch/Pounds
D. Max Gross Weight	3400 Pounds
E. Old Useful Load	1093.26 Pounds

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A. New Empty Weight	2308.74 Pounds
B. New Empty CG	139.1668 Inches
C. New Empty Weight CG Moment	321300 Inch/Pounds
D. Max Gross Weight	3400 Pounds
E. New Useful Load	1091.26 Pounds

This new weight & balance information superseeds all previous weight and balance data.  
For aircraft loading, see instructions in Weight & Balance Section of Aircraft Flight Manual.

FAA Form 337 Completed? \_\_\_\_\_  
 Equipment List Amended? \_\_\_\_\_  
  
 Epps Aviation *Russell E Wiley*

N  
\_\_\_\_\_  
 N  
\_\_\_\_\_

Date: 4/13/2005

Notes:



U.S. Department of  
Transportation  
Federal Aviation  
Administration

## MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

Form Approved  
OMB No. 2120-0020

For FAA Use Only

Office Identification

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	Serial No. 0295	Nationality and Registration Mark N882CD
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	Address (As shown on registration certificate) 6528 STANDING BOY RD COLUMBUS, GEORGIA 31904-3362 UNITED STATES	

3. For FAA Use Only

4. Unit Identification				5. Type	
Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	~~~~~(As described in item 1 above)~~~~~			<input type="checkbox"/>	<input checked="" type="checkbox"/>
POWERPLANT				<input type="checkbox"/>	<input type="checkbox"/>
PROPELLER				<input type="checkbox"/>	<input type="checkbox"/>
APPLIANCE	Type			<input type="checkbox"/>	<input type="checkbox"/>
	Manufacturer			<input type="checkbox"/>	<input type="checkbox"/>

A. Agency's Name and Address EPPS AVIATION, INC. 1 AVIATION WAY ATLANTA, GA. 30341	6. Conformity Statement		C. Certificate No. ESMR688D
	B. Kind of Agency <input type="checkbox"/> U.S. Certified Mechanic <input type="checkbox"/> Foreign Certified Mechanic <input checked="" type="checkbox"/> Certified Repair Station <input type="checkbox"/> Manufacturer		AIRFRAME-CLASS III RADIO CLASS I, II, AND III INSTRUMENT I, II, III, IV

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date

10/13/08

Signature of Authorized Individual

*m h k*

7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY ☐ FAA Flight Standards Inspector  
☐ FAA Designee

☐ Manufacturer  
☒ Repair Station

☐ Inspection Authorization  
☐ Person Approved by Transport Canada Airworthiness Group

Other (Specify)

Date of Approval or Rejection  
10/13/09

Certificate or Designation No  
ESMR688D

Signature of Authorized Individual  
*m h k*



# AIRCRAFT WEIGHT AND BALANCE/ EQUIPMENT LIST REVISION

MAKE: CIRRUS  
MODEL: SR22  
S/N: 295  
TAIL #: N882CD  
DATE: 10/2/2009

WORK ACCOMPLISHED:

PERFORM DUAL WAAS UPGRADE.

Previous Data Dated: 4/13/2005

MODEL	PN#/DESCRIPTION	WEIGHT	ARM	MOMENT
Removed:				
GA-56	PN# 011-00134-00 GPS ANTENNA	-0.25	120.00	-30.00
GA-56	PN# 011-00134-00 GPS ANTENNA	-0.25	120.00	-30.00
GNS-430	PN# 011-00280-10 COMM/NAV/GPS	-6.20	121.00	-750.20
GNS-430	PN# 011-00280-10 COMM/NAV/GPS	-6.20	122.40	-758.88
Installed:				
CI428-200	COMANT GPS/WAAS ANTENNA	0.40	145.00	58.00
CI428-410	COMANT WAAS/XM COMBO ANT	0.40	203.00	81.20
GNS-430W	PN# 011-01060-40 WAAS RCVR	6.20	121.00	750.20
GNS-430W	PN# 011-01060-40 WAAS RCVR	6.20	122.40	758.88

NET CHANGE	NEW EMPTY WT.	NEW E.C.G.	NEW MOMENT
0.30	2309.04	139.18	321379.20

WORK ORDER # 1237

*Christoph L. Warren*  
FOR EPPS AVIATION  
CRS # ESMR688D