



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

Form Approved
OMB No. 2120-0020
11/30/2007

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 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. §44701). Failure to report can result in a civil penalty for each such violation. (49 U. S. C. §46301(a))

1. Aircraft	Nationality and Registration Mark USA N855CD	Serial No. 1801
	Make CIRRUS	Model SR20 Series G1
2. Owner	Name (As shown on registration certificate) BRADLEY BOWERS	Address (As shown on registration certificate) 110 LACHLAN DR. FORT MILL, SC 29715 USA

3. For FAA Use Only

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

6. Conformity Statement

A. Agency's Name and Address DOUGLAS DUNCAN AVIATION LLC 100 TOWER DR ANGER 6 GREENVILLE SC 29607 USA	B. Kind of Agency <input checked="" type="checkbox"/> U. S. Certified Mechanic <input type="checkbox"/> Foreign Certified Mechanic <input type="checkbox"/> Certified Repair Station <input type="checkbox"/> Certified Maintenance Organization	C. Certificate No. BRIAN KEITH WENDT 3172678
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D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 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.

Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/>	Signature/Date of Authorized Individual 	BRIAN KEITH WENDT 16-May-2017
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7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is Approved Rejected

	FAA Fit. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
BY	FAA Designee	Repair Station	<input checked="" type="checkbox"/> Inspection Authorization	Other (Specify)

Certificate or Designation No. 3384163	Signature/Date of Authorized Individual 	DOUGLAS DUNCAN 16-May-2017
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NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

USA N855CD	May-16-2017
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C/W INSTALLATION OF STC-004 (REV 2) SN: FO-20170214-10, INSTALTION OF THE BERINGER BRAKE SYSTEM FOR CIRRUS SR20, SR22, SR22T.

REMOVED THE FOLLOWING ITEMS.

- *LT & RT TIRE, WHEEL, BRAKE, WHEEL BRAKE LINE, AXLE.
- *NOSE TIRE, WHEEL, AXLE
- *PILOT & COPILOT MASTER BRAKE CYLINDER
- *PILOT & COPILOT BRAKE LINES FROM MASTER CYLINDERS TO PARKING BRAKE.
- *REMOVED BRAKE LINES FROM BRAKE RESERVIOR TO COPILOTS MASTER CYLINDERS.

INSTALED THE FOLLOWING ITEMS:

- *NLG TIRE PN: (TUBLES TYPE), NLG WHEEL ASSY RA-002(B),
- NLG AXLE AV-CIRR-003(A),
- BEARING SPACER AV-CIRR-004(A), SERVICED TIRE TO 90 PSI
- *LT & RT MLG TIRES (GOODYEAR)
- 33032 WHEEL ASSY RF-006(A),
- MAIN WHEEL AXLE AV-CIRR-002(A)
- BRAKE ASSY EA-003.4N(B),
- BANJO BOLT HYD-026C (CIRRUS PN 31490-009)
- AXLE NUT ECR-001(C)
- ,BRAKE LINES AV-CIRR-001.1,
- BRAKE TEMP STICKER 300 DEGREES, 51698-004
- SERVICED TIRES TO 100 PSI
- *PILOT & COPILOT MASTER CYLINDERS MP-001.2N(A),
- WASHER RDL-010(A),
- FROM MASTER CYLINDER BRAKE LINES AV-CIRR-001.4 (1 EA),
- BRAKE LINES AV-CIRR-001.5 (1 EA) REGULATOR,
- PILOT MASTER CYLINDER TO COPILOTS MASTER CYLINDER BRAKE LINES AV-CIRR-001.6 (5 EA),
- FROM RESERVIOR TO COPILOTS MASTER CYLINDER BRAKE LINES AV-CIRR-001.7 (1 EA)
- *BRAKE REGULATOR RE-001N, FITTING ADAPTER HYD-006P,
- REGULATOR FIXING PLATE PTF-004(A),
- MOUNTING SCREWS V-CHC-012, NUT E-HN-003,
- BRAKE LINES AV-CIRR-001.3,
- BRAKE LINES AV-CIRR-001.2 FROM REGULATOR TO PARKING BRAKE VALVE,
- *INSTALLED MIL-PRF-87257 STICKER ON BRAKE RESIVIOR.
- *BANJO BOLTS HYD-003P AS NEEDED FOR BRAKE LINE CONNECTIONS,
- *FLUSHED MIL-H-5606 BRAKE SYSTEM WITH MIL-PRF-87257 (RED) BRAKE FLUID,
- *PERFORMED CONDITIONING BREAK-IN PROCEDURES, CHECKED GOOD & NO LEAKS.
- *PLACED TPOH 15-14 WITH THE CHANGES FOR THE BERINGER BRAKES SYSTEM.
- *SEE MAINTENANCE AND OVERHAUL MANUAL MM-STC-004 REV 2 DATE 01/20/2014 FOR ICA'S.

LAST ITEM

Signature of Authorized Individual		Date
Signature of Authorized Individual		Date
Signature of Authorized Individual		Date

ADDITIONAL SHEETS ARE ATTACHED



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

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1. Aircraft	Nationality and Registration Mark USA N855CD	Serial No. 1801	
	Make CIRRUS	Model SR20	Series G1
2. Owner	Name (As shown on registration certificate) BRADLEY BOWERS		Address (As shown on registration certificate) 110 LACHLAN DR. FORT MILL, SC 29715 USA

3. For FAA Use Only

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

6. Conformity Statement

A. Agency's Name and Address DOUGLAS DUNCAN AVIATION LLC 100 TOWER DR HANGER 6 GREENVILLE SC 29607 USA	B. Kind of Agency <input checked="" type="checkbox"/> U. S. Certified Mechanic <input type="checkbox"/> Foreign Certified Mechanic <input type="checkbox"/> Certified Repair Station <input type="checkbox"/> Certified Maintenance Organization <input type="checkbox"/> Manufacturer C. Certificate No. BRIAN KEITH WENDT 3178678
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D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 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.

Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/>	Signature/Date of Authorized Individual 	BRIAN KEITH WENDT 16-May-2017
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7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is Approved Rejected

	FAA Fit. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
BY	FAA Designee	Repair Station	<input checked="" type="checkbox"/> Inspection Authorization	Other (Specify)
Certificate or Designation No. 3384163		Signature/Date of Authorized Individual 		DOUGLAS DUNCAN 16-May-2017

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

USA N855CD May-16-2017

Nationality and Registration Mark Date
 REMOVED OLD LANDING LIGHT SYS AND INSTALLED NEW LOPRESTI STC #SA02279AT -19 85 WATT KIT X4 IAW STC MANUAL
 LSM-500-082 REV.R DATED 07/07/16 OPS CHECKED GOOD FOR OPERATION AND ALG=IGNMENT.

LAST ITEM

3 For FAA Use Only

4. Type		5. Unit Identification	
Repair	Alteration	Make	Model
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	(As described in item 1 above)
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT	
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER	
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	

6. Conformity Statement

B. Kind of Agency

<input checked="" type="checkbox"/> U. S. Certified Mechanic	Agency Name and Address
<input type="checkbox"/> Foreign Certified Mechanic	DOUGLAS DUNCAN AVIATION LLC
<input type="checkbox"/> General Repair Station	00 TOWER DR HANGER 6
<input type="checkbox"/> Certified Maintenance Organization	GREENVILLE SC 29607

C. Certificate No. Manufacturer

BRIAN KEITH WENDT 3178678

I certify that the repair and/or alteration made to the unit(s) identified in item 5 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.

7. Approval for Return to Service

Signature of Authorized Individual Date

BRIAN KEITH WENDT 16-May-2017

8. Approval for Return to Service

Signature of Authorized Individual Date

DOUGLAS DUNCAN 16-May-2017

FAA Part Standards Inspector	Manufacturer	Maintenance Organization	Person Approved by Canadian Department of Transport
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FAA Designee	Repair Station	Inspection Authorization	Other (Specify)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ADDITIONAL SHEETS ARE ATTACHED

Weight / Balance & Equipment List Revision

NexAir Avionics LLC - N4OR087B
 265 Fruit Street
 Mansfield, MA 02048 Tel: 508-339-7077

A/C Tail # : N855CD
Register Name : BRADLEY BOWERS
Name 2 :
Address 1 : 110 LACHLAN DRIVE
Address 2 :
City, State, PC : FORT MILL, SC 29715-5833

A/C Make : CIRRUS
A/C Model : SR20
A/C Serial # : 1801
WO Ref # : 2915
WB Date : Oct-30-2015
WB ID # : 59

Previous data taken from document dated Oct-10-2013 Previous useful load = 813.00

Model # Serial #	Description Part #	(LB / IN) Weight	CG/Arm	Moment
	Previous data ->	2187.00	140.50	307263.00
REMOVED ITEMS -----				
ANTENNA 185937	XM ANTENNA CI 420-1 (SV)	-0.26	150.50	-39.13
ANTENNAS 185738	VHF ANTENNA CI 109 (SV)	-0.60	204.60	-122.76
BENDIX-KING 83728498	EGPWS KGP-560 TERRIAN SYSTEM 965-1198-005 (SV)	-1.50	117.00	-175.50
ENCODERS 106662	A-30 ENCODER A-30 (SV)	-0.40	112.40	-44.96
GARMIN 97139853	GNS 430 NAV/COM/GPS #1 011-00280-10 (RD)	-5.00	121.00	-605.00
GARMIN 97140049	GNS 430 NAV/COM/GPS #2 011-00280-10 (RD)	-5.00	122.40	-612.00
GARMIN 83728498	GTX 327 TRANSPONDER 011-00490-00 (SV)	-2.40	124.90	-299.76
GARMIN 96281042	GMA 340 AUDIO PANEL 011-00401-00 (SV)	-1.50	121.50	-182.25
GARMIN 59430830	GA 56 GPS ANTENNA 011-00134-00	-0.25	136.20	-34.05
GARMIN 59430813	GA 56 GPS ANTENNA 011-00134-00	-0.25	110.30	-27.58
S-TEC 0648-10814	STEC AUTOPILOT HEAD 01192-4-53-30P (SV)	-3.00	123.30	-369.90
REMOVED SUB TOTAL	11 Items @	-20.16	124.65	-2512.89
INSTALLED ITEMS -----				
ANTENNA 500574	WAAS GPS/XM COMBO ANTENNA CI 428-410	0.40	150.50	60.20
ANTENNA 497330	WAAS GPS/VHF COMBBO ANTENNA CI 2580-200	0.60	206.60	123.96
ANTENNA 71393	DME/TXPD BLADE ANTENNA CI 105	0.20	191.00	38.20
AVIDYNE M153268670	IFD540 NAV/COM/GPS #1 850-00182-000	6.75	121.00	816.75
AVIDYNE M153269036	IFD440 NAV/COM/GPS #2 850-00179-000	5.16	122.40	631.58
AVIDYNE 03999	AXP322 REMOTE TRANSPONDER 850-00222-000	0.77	112.40	86.55
AVIDYNE 15360044	MLB 100 ADS-B RECIVER 850-00223-000	1.00	142.50	142.50
AVIDYNE M153571967	DFC90 AUTOPILOT HEAD 850-00170-000	2.02	123.30	249.07

SUPERCEDED
 11 FEB 2019

Weight / Balance & Equipment List Revision

NexAir Avionics LLC - N4OR087B

265 Fruit Street

Mansfield, MA 02048 Tel: 508-339-7077

A/C Tail # : N855CD

Register Name : BRADLEY BOWERS

Name 2 :

Address 1 : 110 LACHLAN DRIVE

Address 2 :

City, State, PC : FORT MILL, SC 29715-5833

A/C Make : CIRRUS

A/C Model : SR20

A/C Serial # : 1801

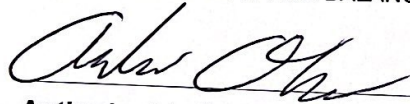
WO Ref # : 2915

WB Date : Oct-30-2015

WB ID # : 59

AVIDYNE B01205	AMX240 AUDIO PANEL 850-00218-001	1.40	121.50	170.10
ENCODERS SRN20208	TRANSCAL ENCODER SSD120-30N-RS232	0.40	112.40	44.96
INSTALLED SUB TOTAL	10 Items @	18.70	126.41	2363.87
NEW DATA >>	NEW USEFUL LOAD = 814.46	2185.54	140.52	307113.98

IT IS THE RESPONSIBILITY OF THE PILOT IN COMMAND TO ENSURE THAT THE AIRCRAFT IS PROPERLY LOADED USING THE ABOVE WEIGHT AND BALANCE DATA AND THE OWNER'S MANUAL LOADING CHARTS.



Authorized Individual : N4OR087B ANDREW O'SHEA

Weight / Balance & Equipment List Revision

Page #: 1


NexAir Avionics LLC - N4OR087B
246 SOUTH MEADOW ROAD, GATE 6, HANGAR SW-1
PLYMOUTH, MA 02360 Tel: 508-339-7077

A/C Tail #: N855CD
Register Name: BRADLEY BOWERS
Name 2:
Address 1: 110 LACHLAN DRIVE
Address 2:
City, State, PC: FORT MILL, SC 29715-5833

A/C Make: CIRRUS
A/C Model: SR20
A/C Serial #: 1801
WO Ref #: 5516
WB Date: Feb-11-2019
WB ID #: 375

Previous data taken from document dated Oct-30-2015 Previous useful load = 814.46

Model # Serial #	Description Part #	(LB / IN) Weight	CG/Arm	Moment
REMOVED ITEMS -----		Previous data -> 2185.54	140.52	307113.98
AVIDYNE M153268670	IFD540, 10W, BLK BEZ, (W/ INST KIT) 850-00182-000	-6.75	121.00	-816.75
REMOVED SUB TOTAL	1 Item @	-6.75	121.00	-816.75
INSTALLED ITEMS -----				
IFD550 M184841555	IFD550, 10W, GPS/NAV/COM/WIFI/BT/FL 850-00182-020	7.15	121.00	865.15
INSTALLED SUB TOTAL	1 Item @	7.15	121.00	865.15
NEW DATA >>	NEW USEFUL LOAD = 814.06	2185.94	140.52	307162.38



Authorized Individual: N4OR087B MICHAEL REARICK

*Superceeded
10/30/2015*

Delivered Weight Data & Equipment List

Model SR20

Serial Number: 1801

Registration Number: N855CD

Basic Empty Weight: 2187 lb

Total Moment/1000: 307.263

Center of Gravity: F.S.140.5 or 15.7 MAC

Parachute Canopy Color: Orange / White

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.

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 SR20 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.