

Weight & Balance Change

FIRST WING JET CENTER	Make	Cirrus
FAA REPAIR STATION CRS# 1MYR828C	Model	SR20
11329 E SR 32	S/N	1698
ZIONSVILLE, IN 46077	Reg. #	N653GS
317-769-4487	W/O	21-11388

EQUIPMENT CHANGE - WEIGHT & BALANCE

Items: (Description / P/N / S/N)	Weight	Arm	Moments
	Pounds	Inches	Inch/Pounds
Previous Aircraft Empty Weight:	2163.32	139.99	302836
STROBE POWER SUPPLY 01-0770062-05 S/N 077	-1.7	157.5	-267.75
STROBE POWER SUPPLY 01-0770062-05 S/N 077	-1.7	157.5	-267.75
RH ANTI-COLISION ASSY P/N 17140-001	-0.25	157.5	-39.375
LH ANTI-COLLISION ASSY P/N 17140-002	-0.25	157.5	-39.375
RH LED ANTI-COLISION ASSY P/N 01-0771733-11	0.25	157.5	39.375
LH LED ANTI-COLLISION ASSY P/N 01-0771733-12	0.25	157.5	39.375
			0
			0
			0
			0
			0
			0
			0
			0
			0
			0
Totals	2159.92		302300.5

A. Old Empty Weight	2163.32 Pounds
B. Old Empty CG	139.99 Inches
C. Old Empty Weight CG Moment	302836 Inch/Pounds
D. Max Gross Weight	3000 Pounds
E. Old Useful Load	836.68 Pounds

A. New Empty Weight	2159.92 Pounds
B. New Empty CG	139.9591 Inches
C. New Empty Weight CG Moment	302300.5 Inch/Pounds
D. Max Gross Weight	3000 Pounds
E. New Useful Load	840.08 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? N

[Signature]
4-23-21
1MYR828C
Inspector.

Authorized Signature
Date
Cert#
Title

Notes:

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 # : N653GS
 Register Name : SHIELDS GREGORY T
 Name 2 :
 Address 1 : 12403 BROOKS XING
 Address 2 :
 City, State, PC : FISHERS, IN 46037-9547

A/C Make : CIRRUS
 A/C Model : SR20
 A/C Serial # : 1698
 WO Ref # : 5552
 WB Date : Jul-10-2019
 WB ID # : 423

Previous data taken from document dated Jul-17-2006 Previous useful load = 838.10

Model # Serial #	Description Part #	(LB / IN) Weight	CG/Arm	Moment
	Previous data ->	2161.90	140.00	302646.00
REMOVED ITEMS -----				
S-TEC 0623-10032	AUTOPILOT, 28V, SR-20 01192-4-53-30P	-3.00	123.30	-369.90
GARMIN 97134620	GNS 430, NON WAAS, 14/28V 011-00280-10	-5.00	121.00	-605.00
GARMIN 97134570	GNS 430, NON WAAS, 14/28V 011-00280-10	-5.00	122.40	-612.00
GARMIN 83724658	TRANSPONDER, GTX327 011-00490-00	-1.60	124.90	-199.84
ENCODERS 102185	ENCODER, A-30 A-30	-0.30	121.50	-36.45
5395-0618	EGPWS, KGP-560 965-1198-005	-1.30	117.00	-152.10
GARMIN 96277947	GMA 340 AUDIO PANEL 011-00401-10	-1.50	121.50	-182.25
133732	ANTENNA, VHF CI 109	-0.50	178.50	-89.25
ANTENNA 125816	ANTENNA, XM, COMANT CI 420-1	-0.26	136.20	-35.41
REMOVED SUB TOTAL	9 Items @	-18.46	123.63	-2282.20
INSTALLED ITEMS -----				
AVIDYNE M191249184	DFC90, AVIDYNE 700-00170-000	2.02	123.30	249.07
AVIDYNE M191249291	IFD 550, GPS/NAV/COM 700-00182-020	7.20	121.00	871.20
AVIDYNE M192053249	IFD440, GPS/NAV/COM 700-00179-000	5.16	122.40	631.58
AXP 322 07546	TRANSPONDER 01481-00	0.80	121.30	97.04
ENCODERS 26636	ENCODER, TRANSCAL, NANO, RS232 SSD120-30N-RS232	0.40	123.50	49.40
FREEFLIGHT 1910P110	TRANSCEIVER, ADS-B, RANGER FDL-987-XVR	0.80	117.00	93.60
AXP 240 B01681-C	AUDIO PANEL 200-00253-000	1.60	121.50	194.40
004-003264	COOLING FAN LS03-03035-1	0.50	110.00	55.00
7126	USB POWER PORT 200-101A	0.20	117.00	23.40
ANTENNA 601006	GPS/VHF ANTENNA CI-2580-200	0.60	178.50	107.10
ANTENNA 41427	ANTENNA, DME/TXPD, BLADE, KA60 CI 105-16	0.20	234.00	46.80

Weight / Balance & Equipment List Revision

Page #: 2

NexAir Avionics LLC - N4OR087B

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PLYMOUTH, MA 02360 Tel: 508-339-7077

A/C Tail # : N653GS

Register Name : SHIELDS GREGORY T

Name 2 :

Address 1 : 12403 BROOKS XING

Address 2 :

City, State, PC : FISHERS, IN 46037-9547

A/C Make : CIRRUS

A/C Model : SR20

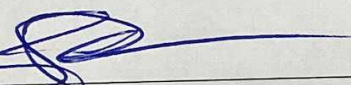
A/C Serial # : 1698

WO Ref # : 5552

WB Date : Jul-10-2019

WB ID # : 423

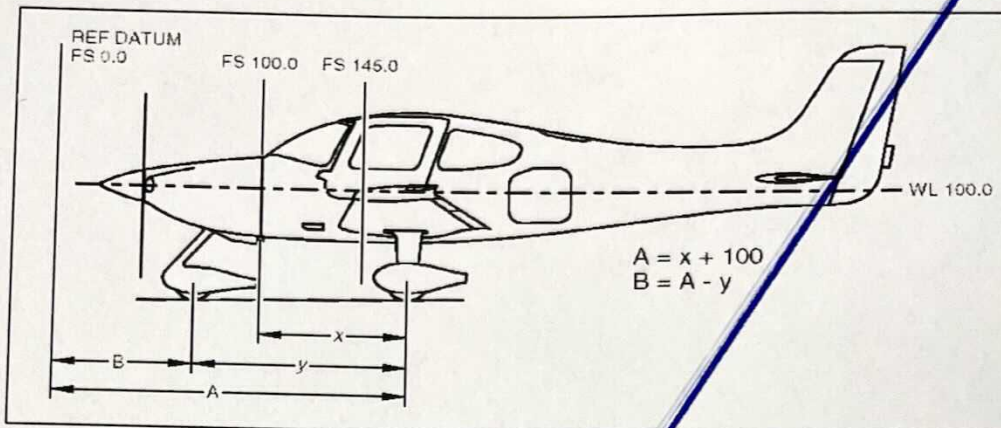
ANTENNA 603614	ANTENNA, GPS WAAS/XM, COMANT CI 428-410	0.40	136.20	54.48
INSTALLED SUB TOTAL	12 Items @	19.88	124.40	2473.07
NEW DATA >>	NEW USEFUL LOAD = 836.68	2163.32	139.99	302836.87


Authorized Individual : N4OR087B JOSEPH J. DEBELLA

**Cirrus Design Corporation
SR20 Weights, Balance, and Equipment List**



Date:	7/17/2006
Registration Number:	N653GS
Serial Number:	1658



WEIGHING POINT	Scale Reading	Tare	Net Weight	ARM	MOMENT
Left Main					
Right Main					
Nose Gear					
Empty Weight	0		2160.00	140.05	302502.000
				14.6%	
Space below is provided for additions or subtractions					
Installed Reiff Engine Heater			1.90	76.0	144.400
					0.000
					0.000
					0.000
					0.000
					0.000
					0.000
					0.000
usable Fuel					0.000
					0.000
			2161.90	140.0	302646.400
Basic Empty Weight			2161.90	140.0	302.646
			CG (%MAC)	14.4%	

Superseded 7/10/2019

Delivered Weight Data & Equipment List

Model SR20

Serial Number: 1698
Registration Number: N653GS

Basic Empty Weight: 2160 lb

Total Moment/1000: 302.502 *superseded*

Center of Gravity: F.S.140.0 or 14.8 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.

Description:

This is the component, assembly, or installation name.

Sym:

Items in this listing are coded by a symbol indicating the status of the item. These codes are:

C Required item for FAA Certification.

S Standard equipment. Most standard equipment is applicable to all airplanes. Some equipment may be replaced by optional equipment.

O Optional equipment. Optional equipment may be installed in addition to or to replace standard equipment.

Qty:

The quantity of the listed item in the airplane. A hyphen (-) in this column indicates that the equipment was not installed

Part Number

This is the Cirrus Design Part Number for the component, assembly, or installation

Unit Wt

The weight, in pounds, of one each of the listed item.

Arm

The arm, in inches, of the listed item.

ATA / Item	Description	Sym	Qty	Part Number	Unit Wt	Arm
21	Air Conditioning					
21-01	Blower Fan	O	1	20970-001	7.4	142.5
22	AutoFlight					
22-01	System 55X Autopilot Installation	O	1	13560-001	3.0	123.3
22-02	System 55SR Autopilot Installation	O	-	15861-001	3.0	123.3
23	Communications					
23-01	Radios, See 34 – Navigation	-	-	-	-	-

ATA / Item	Description	Sym	Qty	Part Number	Unit Wt	Arm
24	Electrical Power					
24-01	Alternator 1					
24-02	Alternator 2	C	1	50933-001	11.0	61.8
24-03	Battery 1	O	1	13565-001	10.1	91.0
24-04	Battery 2	C	1	50366-001	28.0	96.0
24-05	MCU	C	1	50979-001	11.5	230.0
24-06	Volt / Ammeter	C	1	19910-001	9.8	98.0
		C	1	11240-001	0.8	119.7
25	Equipment & Furnishings					
25-01	ELT and Batteries	C	1	12756-001	3.6	228.8
25-02	Fwd Seat & Restraint Inst. (Leather: add 0.4 lb each)	C	2	20907-001/-002	27.0	149.3
25-03	Rear Seat Installation (Leather: add 0.4 lb each)	C	2	12053-002	21.8	185.0
25-04	Rear Seat Restraint	C	2	12491-001	2.3	185.0
26	Fire Protection					
26-01	Portable Fire Extinguisher	C	1	12533-003	1.5	137.6
27	Flight Controls					
27-01	Flap Actuator	C	1	11787-002	4.4	173.9
27-02	Roll Trim Cartridge Assy	C	1	15660-001	0.4	161.8
27-03	Roll Trim Motor Assembly	C	1	12546-001	1.3	159.8
27-04	Pitch Trim Cartridge Assy	C	1	15560-002	0.4	310.9
27-05	Pitch Tim Motor Assy	C	1	14832-001	1.3	303.5
27-06	Yaw Trim Cartridge Assy	C	1	11898-002	0.4	106.2
28	Fuel					
28-01	Fuel Quantity Indicator	C	1	12615-002	0.8	138.0
28-02	Fuel Selector Valve	C	1	11627-001	1.8	140.8
28-03	Gascolator	C	1	50199-001	1.0	98.5
28-04	Fuel Cap Assy	S	2	10052-001	0.3	152.3
28-05	Fuel Level Sender	C	2	12638-001/-002	0.3	157.8
31	Indicating & Recording					
31-01	Annunciator Panel	C	1	13567-001	0.3	117.2
31-02	Hourmeter	S	1	50485-001	0.1	142.3
32	Landing Gear					

ATA / Item	Description	Sym	Qty	Part Number	Unit Wt	Arm
32-01	Main Gear Installation	C	2	14446-001/-002	34.0	157.5
32-02	Main Gear Pants (L/R)	C	2	15311-003/-004	4.1	157.5
32-03	Main Gear Fairings Instl	S	2	12978-002	4.2	157.5
32-04	Brake Assembly (L/R)	C	2	11641-103/-104	3.2	157.5
32-05	Main Wheels	C	2	11641-101	6.3	157.5
32-06	Main Tire	C	2	50060-001	6.3	157.5
32-07	Main Tube	C	2	50059-001	1.0	157.5
32-08	Nose Gear Installation	C	1	10784-002	32.0	86.0
32-09	Nose Wheel	C	1	12798-001	4.5	70.0
32-10	Nose Tire 5.00 x 5	C	1	12020-001	4.3	70.0
32-11	Nose Tire Tube	C	1	50087-001	1.0	70.0
32-12	Nose Gear Fairing & Pant	S	1	15564-001	0.9	78.0
32-13	Brake Master Cylinder	C	4	50247-001	0.6	104.5
32-14	Brake Fluid Reservoir	C	1	12006-001	0.4	98.1
33	Lights					
33-01	Strobe/Nav Lights (L/R)	C	2	50626-001/-002	0.6	158.0
33-02	Strobe Power Supply (L/R)	C	2	50625-001	1.7	158.0
33-03	Landing Light Installation (Halogen)	O	-	14525-001		
33-04	Landing Light Installation (HID)	O	1	20248-002	1.9	80.0
34	Navigation & Pitot Static					
34-01	Avidyne EX3000C MFD	O	-	14750-005	6.4	121.8
34-02	Avidyne EX5000C MFD	O	1	14750-006	6.4	121.8
34-03	Altimeter	C	1	12102-001	1.1	116.1
34-04	Airspeed Indicator	C	1	13568-001	0.7	116.9
34-05	Attitude Indicator	O	1	13468-001	2.2	114.5
34-06	Magnetic Compass	C	1	12451-002	0.3	132.7
34-07	Turn Coordinator	C	1	11891-001	1.8	118.0
34-08	GMA 340 Audio Panel	S	1	12717-050	1.5	121.5
34-09	Marker Beacon Antenna	S	1	12743-001	0.6	200.0
34-10	GTX 327 Transponder	S	1	13587-001	1.6	124.9
34-11	Transponder Antenna	S	1	12739-001	0.1	105.0
	PFD Option					
34-12	• Avidyne PFD (SRV)	C	-	15222-050	12.0	115.5
34-13	• Avidyne PFD	C	1	15222-001	12.0	115.5
	Navigator Option					
34-14	• GNS 250 (GPS/COM/NAV)	S	-	12720-001	2.6	124.3

ATA / Item	Description	Sym	Qty	Part Number	Unit Wt	Arm
34-15	• GNS 420 (GPS/COM/NAV)	O	-	12718-004	5.0	121.0
34-16	• GNS 430 (GPS/COM/NAV)	O	1	12718-003	5.0	121.0
34-17	• GNS 430 (GPS/COM/NAV)	O	1	12718-003	5.0	122.4
34-18	• GPS 1 Antenna	S	1	12744-001	0.4	136.2
34-19	• GPS 2 Antenna	O	1	12744-001	0.4	110.3
34-20	• COM 1 Antenna	S	1	12740-001	0.5	178.5
34-21	• COM 2 Antenna	O	1	12741-001	0.5	204.6
34-22	• VOR/LOC Antenna	O	1	12742-001	0.4	331.0
EMax Engine Monitoring						
34-23	• Data Acquisition Unit	O	1	16692-001	2.0	118.0
34-24	• Monitor Cabin Harness	O	1	16695-002	2.0	108.0
Sky Watch Option						
34-25	• Sky Watch Inverter	O	1	14484-001	0.5	118.0
34-26	• Sky Watch Antenna	O	1	14477-101	2.3	150.5
34-27	• Sky Watch Track Box	O	1	14477-050	10.0	140.0
Stormscope Option						
34-28	• Processor	O	1	12745-050	1.7	199.0
34-29	• Antenna	O	1	12745-070	0.9	191.0
Transponder Option						
34-29	• Mode A/C Transponder	C	1	13587-001	1.6	124.9
34-30	• Mode S Transponder	O	-	15966-050	1.6	124.9
TAWS Option						
34-31	• KGP 560 Processor	O	1	15963-001	1.3	117.0
XM Satellite Options						
34-32	• XM WX / Radio Receiver	O	1	16121-001	1.7	114.0
34-33	• XM Radio Remote Control	O	1	16665-501	0.2	149.3
61 Propeller						
61-01	Propeller Governor	C	1	15524-001	3.2	61.7
61-02	• 2-Blade Propeller Installation	O	-	11577-001	58.0	50.3
61-03	• 3-Blade Propeller Installation	O	1	11577-002	80.5	50.3
71 Power Plant						
71-01	Upper Cowl	C	1	20181-003	10.5	78.4
71-02	Lower Cowl LH	C	1	20182-003	5.4	78.4
71-03	Lower Cowl RH	C	1	20439-002	5.4	78.4
71-03	Engine Baffling	C	1	20441-001	10.7	78.4
72 Engine						
72-01	Engine Installation	C	1	12010-001	305.0	76.5

ATA / Item	Description	Sym	Qty	Part Number	Unit Wt	Arm
72-01	Induction Filter	C	1	50207-001	0.4	85.3
72-02	Reiff Heater	O	-	S-6	1.9	76.0
73	Engine Fuel					
73-01	Engine Driven Fuel Pump	C	1	B140002B	3.2	61.9
73-02	Electric Fuel Pump Assy	C	1	11839-001	2.3	97.7
73-03	Fuel Pressure Switch Assy	C	1	12441-002	0.4	67.8
74	Engine Ignition					
74-01	Spark Plugs	C	12	50744-001	0.3	78.4
74-02	Magnetos (L & R)	C	2	6314	4.8	74.5
74-03	Ignition Switch	C	1	50314-001	0.5	123.0
78	Engine Exhaust					
78-01	Heater Muffler	S	1	20559-001	5.3	90.9
78-02	LH Muffler	S	1	20560-001	2.6	90.2
78-03	Tailpipe	S	2	20556-002	2.0	110.0
79	Oil					
79-01	Engine Oil Cooler	S	1	646880	8.5	86.5
79-02	Oil Filter	S	1	CH48108	1.3	78.4
80	Starting					
80-01	24-volt Starter	S	1	656181	15.0	85.0
95	Special Equipment					
95-01	Packed Parachute (CAPS)	C	1	15046-002	54.0	235.5
95-02	Airplane Flight Manual	C	1	11934-003	1.2	-