

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION—FEDERAL AVIATION ADMINISTRATION
STANDARD AIRWORTHINESS CERTIFICATE

1. NATIONALITY AND REGISTRATION MARKS N219CP	2. MANUFACTURER AND MODEL CIRRUS SR20	3. AIRCRAFT SERIAL NUMBER 1750	4. CATEGORY NORMAL
5. AUTHORITY AND BASIS FOR ISSUANCE This airworthiness certificate is issued pursuant to the Federal Aviation Act of 1958 and certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to conform to the type certificate therefor, to be in condition for safe operation, and has been shown to meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention on International Civil Aviation, except as noted herein. Exceptions: NONE			
6. TERMS AND CONDITIONS Unless sooner surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator, this airworthiness certificate is effective as long as the maintenance, preventative maintenance, and alterations are performed in accordance with Parts 21, 43, and 91 of the Federal Aviation Regulations, as appropriate and the aircraft is registered in the United States.			
DATE OF ISSUANCE Nov 14, 2006	FAA REPRESENTATIVE Troy J. McDonald		DESIGNATION NUMBER ODARF-405228-CE

Any alteration, reproduction, or misuse of this certificate may be punishable by a fine not exceeding \$1,000, or imprisonment not exceeding 3 years, or both. THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT IN ACCORDANCE WITH APPLICABLE FEDERAL AVIATION REGULATIONS.

REGISTRATION NOT TRANSFERABLE

UNITED STATES OF AMERICA DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION CERTIFICATE OF AIRCRAFT REGISTRATION		This certificate must be in the aircraft when operated.	
NATIONALITY AND REGISTRATION MARKS N 219CP		AIRCRAFT SERIAL NO. 1750	
MANUFACTURER AND MANUFACTURER'S DESIGNATION OF AIRCRAFT CIRRUS DESIGN CORP SR20			
ICAO Aircraft Address Code: 50355461			
I S S U E D T O	KIRIAZE JOHN ALEXANDER PO BOX 342048 LAKEWAY TX 78734-0035		This certificate is issued for registration purposes only and is not a certificate of title. The Federal Aviation Administration does not determine rights of ownership as between private persons.
	Individual		 U.S. Department of Transportation Federal Aviation Administration
It is certified that the above described aircraft has been entered on the register of the Federal Aviation Administration, United States of America, in accordance with the Convention on International Civil Aviation dated December 7, 1944, and with Title 49, United States Code, and regulations issued thereunder.			
DATE OF ISSUE March 26, 2019 EXPIRATION DATE March 31, 2022		OK Ehem ACTING ADMINISTRATOR	

U.S. Department of Transportation
Federal Aviation Administration

Civil Aviation Registry
P.O. Box 25504
Oklahoma City, OK 73125-0504

Official Business
Penalty for Private Use \$300

AC Form 8050-3 (10/2010) Supersedes previous edition

TO: **KIRIAZE JOHN ALEXANDER**
PO BOX 342048
LAKEWAY TX 78734-0035



US POSTAGE
\$00.50⁰
FIRST CLASS

Mailed From 73159
03/27/2019
031A 0004184491



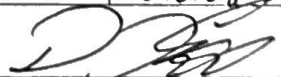
WEIGHT AND BALANCE REVISION

MODEL SR20

S/N 1750

№ N219CP

[illegible]

	WEIGHT	ARM	MOMENT
PREVIOUS EMPTY AIRCRAFT	2146.15	140.30	301106.76
CURRENT EMPTY AIRCRAFT	2147.65	140.25	301208.76
usefull Load: 852.35	INSPECTOR: 		
	I D # : AQ3467663		
	DATE : 4-16-19		

681 KENNEY ST DRIVE EL CAJON, CALIFORNIA 92020 (619) 663-1000

EQUIPMENT LIST AND W&B REVISION
December 21, 2018

DATE	REGISTERED OWNER		AIRCRAFT MAKE	MODEL	WORK ORDER	4458-12-2018
12/21/2018	Mary Jo Aviation Inc		Cirrus	SR220	SERIAL NO.	REGISTRATION
	PREVIOUS W&B DATE	PENDING	PREVIOUS USEFUL LOAD, LBS		1750	N219CP
			PREVIOUS W&B DATA	2141.00	140.30	300480.00
ACTION	ITEM	PART NUMBER	SERIAL NO	WEIGHT, LBS	CG/ARM	MOMENT
Removed	ACK Technologies ELT	E-01	42756	-3.60	228.80	-823.68
Removed	Ack Technologies Digitizer	A-30	103300	-0.30	121.50	-36.45
Removed	Garmin GNS430	011-00280-10	97130706	-5.00	121.00	-605.00
Removed	Garmin GNS430	011-00280-11	97132711	-5.00	122.40	-612.00
Removed	Garmin GTX327 Transponder	011-00490-00	83726194	-1.60	124.90	-199.84
Removed	Antenna XM	CI420-1	146455	-0.25	130.00	-32.50
Removed	Garmin GA56 GPS Antenna	011-00134-00	59424757	-0.40	136.20	-54.48
Removed	Garmin GA56 GPS Antenna	011-00134-01	59424771	-0.40	110.30	-44.12
Removed	Comant VHF Antenna	CI 109	152092	-0.50	178.50	-89.25
Installed	Garmin GTN650 Navigator #1	010-00813-50	128026898	7.00	122.40	856.80
Installed	Garmin GTN650 Navigator #2	010-00813-50	128027049	7.00	121.00	847.00
Installed	VHF/GPS WAAS Antenna	CI2580-200	590229	0.60	178.50	107.10
Installed	WAAS GPS XM COMBO ANTENNA/TNC	CI-428-410	575214	0.40	130.00	52.00
Installed	COAXIAL POWER SPLITTER/COMBINER	ZFSC-2-1B	NA	0.10	121.00	12.10
Installed	Garmin GTX 345, Standard Transponder	010-01216-01	3EG023574	3.20	124.90	399.68
Installed	TRANS-CAL ALTITUDE ENCODER	SSD120-30N-R5232	SRN25435	0.40	121.50	48.60
Installed	ELT RETROFIT KIT FROM E-01 W/ WHIP ANTENNA USA HEX ID 2DC88 ACC9E FFBFF	ACK E-04R 406	26191	3.50	228.80	800.80
						0.00
						0.00
						0.00
			NEW BASIC W&B, LBS	2146.15	140.30	301106.76
			CHANGE, LBS	5.15		
			NEW USEFUL LOAD, LBS	na		

AUTHORIZED SIGNATURE

DATE _____

NEAL AVIATION EL CAJON, CALIFORNIA FAA REPAIR STATION #NOER688Y

Supercooled
4-16-19

Delivered Weight Data & Equipment List

Model SR20

Serial Number:	1750
Registration Number:	N219CP
Basic Empty Weight:	2141 lb
Total Moment/1000:	300.480
Center of Gravity:	F.S.140.3 or 15.4 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	-	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	Un Wt	Arm
24	Electrical Power					
24-01	Alternator 1	C	1	50933-001	11.0	61.8
24-02	Alternator 2	O	1	13565-001	10.1	91.0
24-03	Battery 1	C	1	50366-001	28.0	96.0
24-04	Battery 2	C	1	50979-001	11.5	230.0
24-05	MCU	C	1	19910-001	9.8	98.0
24-06	Volt / Ammeter	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					

SYSTEMS
DESCRIPTION

HANDLING, SERV
& MAINT

SUPPLEMENTS

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	-	12745-050	1.7	199.0
34-29	• Antenna	O	-	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	-	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	-