

Weight And Balance Data And Equipment List



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FAA Certified Repair Station #P49R490N

Aircraft Model : Cirrus SR22 S/N 3703
Registration: N545PM

Revised Weight and Balance

Information taken from previous weight and balance dated	9/25/2015		
	2395.10	139.46	334029.86

Weight Arm Moment

Equipment Removed

Garmin GTX 33 Transponder P/N 011-00779-10	-3.60	230.00	-828.00
CI 101 Dipole Antenna	-0.10	237.00	-23.70

Equipment Installed

Garmin GTX 345R Transponder P/N 011-03302-00	3.40	230.00	782.00
Rami AV-74 Transponder Antenna	0.20	237.00	47.40

NEW Total	2395.00	139.46	334007.56
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New Empty Weight: 2395.00 lbs
New Empty Weight CG: 139.46 ins. Aft of datum
Max Take Off Weight: 3400.00 lbs
New Useful Load: 1005.00 lbs

All measurements are in inches and pounds

It is the pilots responsibility to ensure that the aircraft is properly loaded so that the entire flight is conducted within the Gross Weight Center of Gravity Chart in the Limitations section of the Flight Manual.

8/21/2019 Revised By: Corey Richards

Delivered Weight Data & Equipment List

Model SR22

Serial Number:	3703
Registration Number:	N545PM
Basic Empty Weight:	2392 lb
Total Moment/1000:	333.706
Center of Gravity:	F.S.139.5

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 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.

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 Only	O	-	20970-003	7.3	133.0
21-02	Compressor	O	1	21119-004	15.0	93.1
21-03	Condenser Assembly	O	1	21209-002	17.0	132.8
21-04	Evaporator Assembly	O	1	21114-006	17.5	199.5
22	AutoFlight					
22-01	Sys 55X Autopilot Prgrmmr	S	-	13560-004	3.0	123.3
22-02	Garmin Autopilot Controller	S	1	24645-001	0.8	126.5
22-03	Altitude Transducer	S	1	12722-002	0.2	112.4
22-04	Roll Servo Actuator	O	1	24644-002	3.1	172.0
23	Communications					
23-01	Radios, See 34 – Navigation	-	-	-	-	-
24	Electrical Power					
24-01	Alternator 1	C	1	656802	13.7	61.8
24-02	Alternator 2	C	-	13565-001	5.7	91.0
24-03	Alternator 2	C	1	657199	7.5	62.0
24-04	MCU130	C	-	19900-002	12.1	97.5
24-05	MCU140	C	1	19800-001	13.9	97.5
24-06	Battery 1	C	1	53030-001	26.5	96.0
24-07	Battery 2	C	1	24947-001	11.5	230.0
24-08	Battery 2	O	-	24557-002	21.4	230.0
25	Equipment & Furnishings					
25-02	Emergency Locator Transmitter & Batteries (406 MHz)	C	1	17190-100	3.4	229.5
25-03	Fwd Seat & Restraint Inst. (Leather: add 0.4 lb each)	C	2	20907-40x	27.0	149.3
25-04	Rear Seat Installation (Leather: add 0.4 lb each)	C	2	13134-40x	21.8	180.0
25-05	Rear Seat Restraint	C	2	12491-001	2.3	180.0
26	Fire Protection					
26-01	Portable Fire Extinguisher	C	1	12533-003	1.5	118.4
27	Flight Controls					
27-01	Flap Actuator, Modified	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	12546-003	1.3	159.8
27-04	Roll Servo GSA80	O	1	24644-002	3.1	172.0
27-05	Roll Servo Motor GSM85A	O	1	24644-012	1.6	172.0
27-06	Pitch Trim Cartridge Assy	C	1	15560-002	0.4	310.9
27-07	Pitch Trim Motor Assy	C	1	11794-004	1.3	303.5
27-08	Yaw Trim Cartridge Assy	C	1	11898-002	0.4	106.2
27-09	Yaw Servo GSA81	O	1	24644-001	2.2	236.0

ATA / Item	Description	Sym	Qty	Part Number	Unit Wt	Arm
27-10	Yaw Servo Motor GSM85A	O	1	24644-011	1.6	236.0
28	Fuel					
28-01	Fuel Quantity Indicator	C	1	13557-002	0.8	138.0
28-02	Fuel Selector Valve	C	1	11627-001	1.8	140.8
28-03	Fuel Cap Assy	S	2	18051-001	0.4	154.0
28-04	Fuel Level Sender (OTBD)	C	2	18484-001	0.3	151.7
28-05	Fuel Level Sender (INBD)	C	2	18483-001	0.3	155.7
30	Ice & Rain Protection					
30-01	Propeller Slinger Ring	O	-	15321-001	1.5	55.0
30-02	De-Icing Fluid Reservoir	O	-	Integral to Wing	9.2	148.4
30-03	Metering Pump	O	-	17351-001	5.0	181.3
30-04	Windshield Spray Nozzles (FIKI)	O	2	19610-001	0.0	101.8
30-05	Wing LH and RH Inboard Panel	O	2	19539-003/004	8.1	133.0
30-06	Wing LH and RH Outboard Panel	O	2	19539-001/002	4.8	135.3
30-07	Horizontal Stabilizer LH and RH Panel	O	2	19539-007/008	4.5	195.3
30-08	Vertical Stabilizer Panel	O	1	19539-009	1.1	317.5
30-09	Elevator Tip LH and RH Panel	O	2	19539-005/006	0.35	299.5
30-10	Propeller Sling Ring	O	1	15321-001	0.35	55.0
30-11	Ice-Inspection Lights	O	2	19985-001/002	0.6	104.5
30-12	Heated Stall Warning	O	1	18691-001	0.2	133.7
31	Indicating & Recording					
31-01	Annunciator Panel	C	1	15262-001	0.3	117.2
31-02	Hourmeter	S	2	12135-001	0.1	142.3
32	Landing Gear					
32-01	Main Landing Gear Installation	C	2	18560-001/ 002	34.0	157.5
32-02	Main Landing Gear Fairing Installation	S	2	18143-001/002	14.3	157.5
32-03	Brake Assembly	C	2	17122-103	3.2	157.5
32-04	Main Wheels	C	2	17122-101	7.8	157.5
32-05	Main Tire	C	2	14075-006	6.3	157.5
32-06	Main Tube	C	2	14076-002	1.0	157.5
32-07	Nose Landing Gear Installation	C	1	18100-001	35.0	77.0
32-08	Nose Wheel	C	1	12798-001	4.5	76.3
32-09	Nose Tire 5.00 x 5	C	1	14075-003	4.3	76.3
32-10	Nose Tire Tube	C	1	14076-001	1.0	76.3
32-11	Nose Gear Fairing & Pant	S	1	18303-001	5.2	78.0
32-12	Brake Master Cylinder	C	4	14269-001	0.6	104.5
32-13	Brake Fluid Reservoir	C	1	12006-001	0.4	98.1
33	Lights					
33-01	L/R Strobe/Nav Lights	C	2	17140-001/002	0.6	161.8
33-02	Strobe Power Supply (2)	C	2	14286-002	1.7	147.8
33-03	Landing Light Installation	S	1	20248-004	1.9	80.0
33-04	Recognition Light Installation	S	2	18285-001/002	0.4	138.5
34	Navigation & Pitot Static					
23-02	Com 1 Antenna	C	1	12740-004	0.5	178.5
23-03	Com 2 Antenna	S	1	12741-001	0.5	204.6
34-01	Avidyne FlightMax MFD	O	-	14751-001	6.4	121.8
34-02	Garmin 12" Display	O	1	24655-003	9.3	118.5
34-03	Garmin 12" Display	C	1	24655-004	9.3	117.0

ATA / Item	Description	Sym	Qty	Part Number	Unit Wt	Arm
		O	-	15222-001	12.0	115.5
34-04	Avidyne FlightMax PFD	O	-	24655-001	9.3	118.5
34-05	Garmin 10" Display	C	-	24655-002	9.3	117.0
34-06	Garmin 10" Display	C	1	12102-001	1.1	116.1
34-07	Altimeter	C	1	13568-002	0.7	116.9
34-08	TAS Indicator	C	1	12451-002	0.3	132.7
34-09	Magnetic Compass	C	1	13459-002	2.2	114.5
34-10	Attitude Gyro	S	1	12743-001	0.6	200.0
34-11	Marker Beacon Antenna	C	1	12744-001	0.4	136.2
34-12	GPS 1 Antenna	S	1	12744-001	0.4	205.0
34-13	GPS 2 Antenna	C	1	12739-001	0.1	105.0
34-14	Transponder Antenna	C	1	12742-001	0.4	331.0
34-15	VOR/LOC Antenna	C	1	11891-001	1.8	118.0
34-16	Turn Coordinator, Modified	S	-	12717-050	1.5	121.5
34-17	GMA 340 Audio Panel	O	1	24551-002	2.0	125.5
34-18	GMA 347, Audio Panel	O	-	12718-004	5.0	121.0
34-19	GNS 420 (GPS/COM/NAV)	C	-	12718-051	5.0	121.0
34-20	GNS 430 (GPS/COM/NAV)	O	-	12718-051	5.0	122.4
34-21	GNS 430 (GPS/COM/NAV)	O	1	24662-001	6.3	110.5
34-22	GPS/NAV/COM#1 GIA63W	O	1	24662-001	6.3	111.0
34-23	GPS/NAV/COM#2 GIA63W	O	1	24651-001	2.0	112.5
34-24	AIR DATA COMPUTER, GDC 74	O	2	24661-001	3.3	110.0
34-25	AHRS UNIT, GRS 77	O	1	19273-001	0.2	104.0
34-26	CO Detector	O	1	24654-002	1.0	124.0
34-27	FMS Keyboard, GCU 478	O	-	24724-001	3.2	120.0
34-28	ADF Installation	O	-	24617-001	4.2	162.0
34-29	ADF Antenna Installation	O	-	19353-001	2.8	122.0
34-30	DME Installation	O	-	24733-001	0.2	114.5
34-31	DME Antenna Installation					
	EMax Engine Monitoring					
34-32	Data Acquisition Unit	O	-	16692-001	2.0	118.0
34-33	Rack/Unit Installation, GEA 71	O	1	19256-001	2.2	111.5
34-34	Monitor Cabin Harness	O	-	16695-005	2.0	108.0
	Traffic Option					
34-35	Sky Watch Inverter	O	-	14484-001	0.5	118.0
34-36	Sky Watch Antenna nstl	O	-	14480-001	2.3	150.5
34-37	Sky Watch Track Box	O	-	14477-050	10.0	213.3
34-38	Avidyne TAS Processor	O	-	71-2420-X-TAS610	6.7	139.0
34-40	Single Blade TAS Antenna	O	-	S72-1750-31L	0.7	157.2
34-41	Twin Blade TAS Antenna	O	-	S72-1750-32L	0.8	180.0
34-42	Garmin Traffic GTS 800	O	1	26659-001	9.9	139.0
34-43	Antenna, Monopole	O	1	26656-001	0.2	157.2
34-44	Antenna, Directional, GA 58	O	1	26659-050	0.8	180.0
	Weather Option					
34-45	Garmin Traffic GTS 800	O	-	26659-001	9.9	139.0
34-46	Antenna, Monopole	O	-	26656-001	0.2	157.2
34-47	Antenna, Directional, GA 58	O	-	26659-050	0.8	180.0
34-48	Avidyne TWX Antenna	O	-	S72-1715-1	2.5	191.5
34-49	• Stormscope Processor	O	-	12745-050	1.7	199.0

ATA / Item	Description	Sym	Qty	Part Number	Unit Wt	Arm
34-50	• Stormscope Antenna	O	-	12745-070	0.9	191.0
	Transponder Option					
34-51	• Mode A/C Transponder	O	-	24652-001	1.6	230
34-52	• Mode S Transponder	C	1	24653-001	2.6	230
	XM Satellite Options					
34-53	• XM WX / Radio Receiver	O	-	16121-001	1.7	114.0
34-54	XM WX/Radio Receiver (Perspective)	O	1	17710-001	2.7	228.0
34-55	• XM Radio Remote Control	O	1	16665-502	0.2	149.3
35	Oxygen					
35-01	Bottle Assembly - Empty	O	-	100N0020-4	19.9	262.3
35-02	Full				23.8	265.3
61	Propeller					
61-01	Hartzell Propeller Installation	C	-	15319-00X	79.8	48.0
61-02	Hartzell Composite Propeller Installation	O	-	18974-001	67.2	48.0
61-03	McCauley Propeller Installation	O	-	15827-00X	78.0	50.0
61-04	Light Weight Hub Propeller Installation	O	1	15319-013	63.2	48.0
61-05	MT Propeller	O	-	18606-00X	56.2	48.6
61-06	Propeller, Governor	C	1	15524-001	3.2	61.7
71	Power Plant					
71-01	Upper Cowl	C	1	20181-003	10.5	78.4
71-02	Lower Cowl LH	C	1	20182-006	5.4	78.4
71-03	Lower Cowl RH	C	1	18396-001	5.4	78.4
71-04	Engine Baffling Installation	C	1	15460-001	10.7	78.4
72	Engine					
72-01	Engine	C	1	14057-00X	414.5	76.5
72-02	Engine Mount Assembly	C	1	16546-001	22.0	76.5
72-03	Induction Filter	C	1	50207-001	0.4	62.9
72-04	Tanis Engine Pre-heater	O	1	23623-001	2.1	61.0
73	Engine Fuel					
73-01	Engine Driven Fuel Pump	C	1	655921-1A5	3.2	93.7
73-02	Electric Fuel Pump Assy.	C	1	11839-001	2.3	97.7
73-03	Fuel Pressure Switch Assy.	C	1	13598-001	0.4	67.8
74	Engine Ignition					
74-01	Spark Plugs	C	12	RHB32E	0.3	78.4
74-02	Magnetos (L & R)	C	2	10-500556-1	11.5	74.5
74-03	Ignition Switch Installation	C	1	11915-003	0.5	123.0
78	Engine Exhaust					
78-01	Heater Muffler	S	1	14837-001	7.2	87.0
78-02	LH Muffler	S	1	14836-001	2.8	86.0
78-03	Tailpipe	S	2	20516-001	2.9	99.0
79	Oil					
79-01	Engine Oil Cooler	S	1	10281A	7.8	90.0
79-02	Oil Filter	S	1	CH48108	1.5	93.4
80	Starting					
80-01	24-volt Starter	S	1	657596	8.316	93.0
81	Turbines-SA10588SC & SE10589SC					
81-01	LH Turbocharger	C	-	ETI-SR22-2000	16.5	84.0
81-02	RH Turbocharger	C	-	ETI-SR22-1300	16.5	84.0

Cirrus Design
SR22

Weight Balance
Equipment List

ATA / Item	Description	Sym	Qty	Part Number	Unit Wt	Arm
81-03	LH Intercooler	C	-	ETI-G2-500-1	5.0	83.0
81-04	RH Intercooler	C	-	ETI-G2-500-2	5.0	83.0
81-05	Lower Cowl Modification	C	-	NA	0.8	81.0
81-06	Air Filter Box and Retainer	C	-	NA	1.5	63.0
95	Special Equipment					
95-01	Packed Parachute (CAPS)	C	1	20331-001	54.0	235.5
95-02	Airplane Flight Manual	C	1	13772-002	1.2	-
95-03	Enhanced Vision System	O	-	24737-005	1.2	161.0