

Amended Weight And balance With Equipment List Changes For N249WS

Registered Owner:

SMITH CHARLES L III
1097 HOWARD ST UNIT 308
SAN FRANCISCO CA 94103-2879

L.A.C. Avionics Inc.
1250 Aviation Ave. Suite 110
San Jose Ca. 95110
At San Jose Jet Center
FAA Repair Station # FM4R185M

Manufacturer CIRRUS DESIGN CORP
Model SR20
Serial # 1157
Registration N249WS

Work Order # 15450
Date 06/26/02

Previous Weight And Balance

Date 11/09/01
Weight 2136.0
C.G. 140.60
Moment 300322

New Weight And Balance

Date 06/26/02
Weight 2135.1
C.G. 140.59
Moment 300170

Net Change

-0.9
-0.01

Listing Of Items Removed Or Installed

R/I	MODEL	MAKE	FUNCTION	WEIGHT	ARM	MOMENT
I	EX-5000	AVIDYNE	MFD	6.4	121.9	780
	SERIAL NO. 1088		PART NUMBER	700-00004-02		
I	RS08-001	NAT	BOX,RELAY	0.5	55.0	28
	SERIAL NO. 12900		PART NUMBER	RS08-001		
R	ICDS-2000	ARNAV	MFD	-8.8	121.8	-1072
	SERIAL NO. 90769		PART NUMBER	453-0550-00		
I	RS08-001	NAT	BOX,RELAY	0.5	112.5	56
	SERIAL NO. 9772X		PART NUMBER	RS08-001		
I	LAC JBOX	LAC	JBOX	0.5	112.5	56
	SERIAL NO. N/S-N249WS		PART NUMBER	N249WSJBOX		

-----NOTHING FOLLOWS-----

ATA / Item	Description	Sym	Qty	Part Number	Unit Wt	Arm
22	AutoFlight	-	-	-	-	-
22-01	Sys 20 Autopilot/Turn Coord	S	-	12107-001	2.2	115.8
22-02	Sys 30 Autopilot/ Turn Coord (Avionics Config "A")	O	-	12107-001	2.2	115.8
22-03	• Altitude Transducer	O	-	12722-001	0.2	112.4
22-04	• Pitch Computer	O	-	12726-002	1.0	133.3
22-05	Sys 30 Autopilot/ Turn Coord (Avionics Config "B")	O	-	12107-002	2.2	115.8
22-06	• Altitude Transducer	O	-	12722-001	0.2	112.4
22-07	• Pitch Computer	O	-	12726-002	1.0	133.3
22-08	Sys 55 Autopilot Programmer	O	1	12721-002	3.0	123.3
22-09	• Altitude Transducer	O	1	12722-001	0.2	112.4
23	Communications	-	-	-	-	-
23-01	Radios, See 34 - Navigation	-	-	-	-	-
23-02	Com 1 Antenna	C	1	12740-001	0.5	178.5
23-03	Com 2 Antenna	O	1	12741-001	0.5	204.6
24	Electrical Power	-	-	-	-	-
24-01	Alternator (Belt Driven)	C	1	50933-001	11.0	61.8
24-02	MCU - Single Alternator	C	-	12557-001	8.1	98.3
24-03	Alternator (Gear Driven)	O	1	50846-070	10.1	91.0
24-04	MCU - Dual Alternator	O	1	12557-002	7.5	98.0
24-05	Volt / Ammeter	C	1	12618-001	0.8	119.7
24-06	Battery	C	1	50366-001	28.0	96.0
24-07	Battery, Back-up 9V	C	3	50767-001	0.1	123.4
24-08	External Power Receptacle	S	1	50320-001	0.9	97.5
25	Equipment & Furnishings	-	-	-	-	-
25-01	ELT & Batteries	C	1	12756-001	3.6	228.8
25-02	Fwd Seat & Restraint Inst (Add 0.4 lb ea for leather)	C	2	12054-003	27.0	149.3
25-03	Rear Seat Installation (Add 0.4 lb ea for leather)	C	2	12053-002	21.8	185.0
25-04	Rear Seat Restraint	C	2	12553-003	2.3	185.0

**Weight & Balance
Equipment List**

**Cirrus Design
SR20, S/N 1157**

ATA / Item	Description	Sym	Qty	Part Number	Unit Wt	Arm
26	Fire Protection	-	-	-	-	-
26-01	Portable Fire Extinguisher	C	1	12533-001	1.5	137.6
27	Flight Controls	-	-	-	-	-
27-01	Flap Actuator, Modified	C	1	11787-002	4.4	173.9
27-02	Roll Trim Cartridge Assy	C	1	10780-004	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	10680-003	0.4	310.9
27-05	Pitch Tim Motor Assy	C	1	11794-004	1.3	303.5
27-06	Yaw Trim Cartridge Assy	C	1	11898-001	0.4	113.2
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	11837-002	0.3	117.2
31-02	Hourmeter	S	1	50485-001	0.1	142.3
32	Landing Gear	-	-	-	-	-
32-01	Main Gear Installation	C	2	11723-003/-004	34.0	157.5
32-02	Main Gear Pants (L/R)	C	2	12977-001/-002	4.1	157.5
32-03	Main Gear Fairings Instl	S	2	12978-001	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	11907-003	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	12446-105	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

ATA / Item	Description	Sym	Qty	Part Number	Unit Wt	Arm
33	Lights	-	-	-	-	-
33-01	L/R Strobe/Nav Lights	C	2	50626-001/-002	0.6	158.0
33-02	Strobe Power Supply (2)	C	2	50625-001	1.7	158.0
33-03	Landing Light (Halogen)	O	1	50238-001	0.5	72.0
33-04	H.I.D. Ballast	O	-	12580-104	0.8	99.4
33-05	Landing Light (H.I.D.)	O	-	14525-103	0.8	72.0
34	Navigation & Pitot Static	-	-	-	-	-
34-01	Altimeter	C	1	12102-001	1.1	116.1
34-02	TAS Indicator	C	1	12105-002	0.7	116.9
34-03	Vertical Speed Indicator	S	1	12103-001	0.7	116.6
34-04	Magnetic Compass	C	1	12451-001	0.3	132.7
34-05	Attitude Gyro	S	1	12104-001	2.2	114.5
34-06	Clock & OAT Sensor	S	1	50352-001	0.3	117.4
34-07	OAT Sensor (part of Clock)	S	1	50352-001	0.1	103.0
34-08	ARNAV ICDS-2000 Display	S	1	12755-001	8.8	121.8
34-09	Marker Beacon Antenna	S	1	12743-001	0.6	200.0
34-10	GPS 1 Antenna	S	1	12744-001	0.4	136.2
34-11	GPS 2 Antenna	O	1	12744-001	0.4	110.3
34-12	Transponder Antenna	S	1	12739-001	0.1	105.0
34-13	VOR/LOC Antenna	S	1	12742-001	0.4	331.0
	Stormscope Option					
34-43	• Gyro Slaving Amp	O	1	12734-112	1.8	135.0
34-15	• WX500 Processor	O	1	12745-050	1.7	199.0
34-28	• Stormscope Antenna	O	1	12745-070	.9	191.0
	SkyWatch Option					
34-29	• Sky Watch Inverter	O	-	14484-001	0.5	118.0
34-30	• Sky Watch Antenna Instl	O	-	14477-001	2.3	150.5
34-30	• Sky Watch Track Box	O	-	14477-050	10.0	140.0
	Sandel HSI Option					
34-44	• Remote Gyro, HSI	O	1	14357-001	4.9	181.0
34-45	• HSI (SN3308) Sandel	O	1	14356-001	3.6	114.1

**Weight & Balance
Equipment List**

**Cirrus Design
SR20, S/N 1157**

ATA / Item	Description	Sym	Qty	Part Number	Unit Wt	Arm
	Avionics Configuration "A"	-	-	-	-	-
34-35	GMA 340 Audio Panel	S	-	12717-050	1.5	121.5
34-36	GNS 430 (GPS/COM/NAV)	S	-	12718-051	5.0	121.0
34-37	GNC 250XL (GPS/COM)	S	-	12720-050	2.6	124.3
34-38	Voltage Converter	S	-	12749-001	0.6	134.4
34-39	GTX 327 Transponder	S	-	13587-001	1.6	124.1
34-40	VOR/LOC/ILS/GS Indicator	S	-	12723-152	1.3	116.6
34-41	Directional Gyro w/ Hdg Bug	S	-	12106-002	2.5	115.7
	Avionics Configuration "B"	-	-	-	-	-
34-35	GMA 340 Audio Panel	O	-	12717-050	1.5	121.5
34-36	GNS 430 (GPS/COM/NAV)	O	-	12718-051	5.0	121.0
34-37	GNC 420 (GPS/COM)	O	-	12718-061	5.0	122.4
34-38	GTX 327 Transponder	O	-	13587-001	1.6	124.4
34-39	VOR/LOC Indicator	O	-	12723-102	1.0	116.6
34-40	HSI, NSD 360A (Vac Gyro)	O	-	12734-101	4.6	114.1
34-41	Gyro Slaving Amplifier	O	-	12734-111	0.5	135.0
34-42	Flux Detector	O	-	12734-121	0.4	151.0
	Avionics Configuration "C"	-	-	-	-	-
34-35	GMA 340 Audio Panel	O	1	12717-050	1.5	121.5
34-36	GNS 430 (GPS/COM/NAV)	O	1	12718-051	5.0	121.0
34-37	GNS 430 (GPS/COM/NAV)	O	1	12718-051	5.0	122.4
34-38	GTX 327 Transponder	O	1	13587-001	1.6	124.9
34-39	Turn Coordinator, Modified	O	1	11891-001	1.8	118.0
34-40	VOR/LOC./ILS/GS Indicator	O	1	12723-152	1.3	116.6
34-41	HSI, NSD 1000 (Elec Gyro)	O	-	12734-151	4.6	114.1
34-42	Gyro Slaving Amplifier	O	-	12734-111	0.5	135.0
34-43	Flux Detector	O	1	12734-121	0.4	151.0

TA / Item	Description	Sym	Qty	Part Number	Unit Wt	Arm
37	Vacuum	-	-	-	-	-
37-01	Eng. Driven Vacuum Pump	C	1	50116-001	2.0	91.9
37-02	Electric Vacuum Pump	C	1	50315-001	7.5	97.9
37-03	Vacuum Manifold	C	1	50318-001	1.0	97.3
37-04	Vacuum Regulator	C	1	50118-001	0.4	107.6
37-05	Vacuum Filter	C	1	50119-001	0.5	102.8
37-06	Vacuum Gage	C	1	12648-001	0.1	121.0
61	Propeller	-	-	-	-	-
61-01	2-Blade Propeller Instl.	C	-	11577-001	58.0	50.3
61-02	• 2-Blade Propeller/Hub Assy	C	-	50066-001	53.5	50.3
61-03	• 2-Blade Spinner	C	-	50067-001	4.5	50.3
61-04	3-Blade Propeller Instl	O	1	11577-002	80.5	50.3
61-05	• 3-Blade Propeller/Hub Assy	O	1	50066-002	76.5	50.3
61-06	• 3-Blade Spinner	O	1	50067-002	4.0	50.3
61-07	Propeller Governor	O	1	13214-001	3.2	61.7
71	Power Plant	-	-	-	-	-
71-01	Upper Cowl	C	1	10842-004	10.5	78.4
71-02	Lower Cowl	C	1	10837-003	10.7	78.4
71-03	Engine Baffling	C	1	10793-002	10.1	78.4
72	Engine	-	-	-	-	-
72-01	Engine Installation	C	1	12010-001	305.0	76.5
72-02	Induction Filter	C	1	50207-001	0.4	85.3
72-03	Reiff Heater	O	-	S-6	1.9	76.0
73	Engine Fuel	-	-	-	-	-
73-01	Engine Driven Fuel Pump	C	1	649368-22	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

**Weight & Balance
Equipment List**

**Cirrus Design
SR20, S/N 1157**

ATA / Item	Description	Sym	Qty	Part Number	Unit Wt	Arm
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
77	Engine Indicating	-	-	-	-	-
77-01	Tachometer	C	1	12620-002	0.5	118.7
77-02	Tachometer Sensor Assy	C	1	12323-001	0.4	88.7
77-03	EGT/CHT Gage	C	1	12616-001	0.5	119.0
77-04	CHT Sensor	C	1	12637-001	0.1	77.9
77-05	EGT Sensor Modified	C	1	12692-001	0.1	63.8
77-06	Man Press/Fuel Flow Gage	C	1	12617-002	0.5	118.8
77-07	MAP Sensor Assy	C	1	11824-001	0.3	76.8
77-08	Fuel Flow Sensor Assy	C	1	12576-002	0.3	83.9
77-09	Oil Temp / Pressure Gage	C	1	12619-001	0.5	119.2
77-10	Oil Pressure Sensor Assy	C	1	11825-001	0.2	86.0
77-11	Oil Temperature Sensor	C	1	12634-001	0.3	75.9
78	Engine Exhaust	-	-	-	-	-
78-01	Heater Muffler	S	1	11884-002	5.3	90.9
78-02	LH Muffler	S	1	11885-002	2.6	90.2
78-03	Tailpipe	S	2	11883-004	2.0	110.0
79	Oil	-	-	-	-	-
79-01	Engine Oil Cooler	S	1	TCM 646880	8.5	86.5
79-02	Oil Filter	S	1	CH48108	1.3	78.4
79-03	Oil Separator	S	1	10896-001	0.5	89.5
80	Starting	-	-	-	-	-
80-01	24-volt Starter	S	1	TCM 646275-1	15.0	85.0
95	Special Equipment	-	-	-	-	-
95-01	Packed Parachute (CAPS)	C	1	12582-001	54.0	235.5
95-02	Airplane Flight Manual	C	1	11934-001	1.2	-

ATA / Item	Description	Sym	Qty	Part Number	Unit Wt	Arm
25	Equipment & Furnishings	-	-	-	-	-
25-02	Fwd Seat & Restaint Inst.* (Std - add 0.4 lb each for leather upholstery)	C	2	12054-003	28.0	149.3
	* With SB 2X-25-07 Dual Inertia Reel Seat Belt Installation					

Run: 5/02/2007
11:53AM

Syracuse Executive Air Service, Inc.
Aircraft Weight & Balance Report

Page: 1

N6300B

Aircraft: N6300B

Type: CIRRUS SR20

S/N: 1157

Model: SR20

Prior Empty Weight:

2,140.3

As Of: 2/02/2005

Prior Useful Load:

1.7

Prior Longitudinal Moment:

300,961.9550

Arm: 140.6200

Items Removed:

Date	Description	Weight	Longitudinal	
			Arm	Moment
4/30/2007	GA56 pn:011-00134-00,sn:59062125	0.40	110.3000	44.1200
4/30/2007	GA56 pn:011-00134-00,sn:59064545	0.40	136.2000	54.4800
4/30/2007	GNS430 pn:011-00280-10,sn:97104527	5.00	121.0000	605.0000
4/30/2007	GNS430 pn:011-00280-10,sn:97105929	5.00	122.4000	612.0000
Total of Items Removed:		10.80		1,315.6000

Items Installed:

Date	Description	Weight	Longitudinal	
			Arm	Moment
4/30/2007	GA35 pn:013-00235-00,sn:13903	0.50	110.3000	55.1500
4/30/2007	GA35 pn:013-00235-00,sn:13865	0.50	136.2000	68.1000
4/30/2007	GNS430W pn:011-01060-40,sn:97104527	5.10	121.0000	617.1000
4/30/2007	GNS430W pn:011-01060-40,sn:97105929	5.10	122.4000	624.2400
5/02/2007	RELAY MD41-24P8 sn:B07-10875	0.75	121.8000	91.3500
5/02/2007	FAN LS03-03035 sn:004-2783	0.85	121.8000	103.5300
Total of Items Installed:		12.80		1,559.4700

New Final Figures:

Weight: 2,142.25 Useful Load: 0.35
Longitudinal Moment: 301,205.8250 Arm: 140.6026

R. DeChy 30 APR 07 CRS #BJFR481C

New wt & balance

One we used was from 2005

Aircraft Weight and Balance Revision

Tail Number: N6300B			Date: 05-26-23		
Prepared by: FLY ADVANCED - LANCASTER 530 AIRPORT ROAD LITITZ, PA 17543			Work Order No: 8226		
			Type Certificate Data No: A00009CH		
Aircraft Make: CIRRUS	Model: SR20	Serial No: 1157	Time: 2636.4		
Registered Owner: ARD-FB LLC		Address: 35637 CENTRAL PARK CIR DAGSBORO, DE 19939-4244			
Maximum Weight 3000		CG Range FWD 138.0 AFT 148.0			
As Received; Date of Previous Weight and Balance: 04-17-17		Useful Load: 861.83	EW: 2138.17	EWCG: 140.57	Moment: 300561.5
Notes: C/W SB 2X-95-20R1 CAPS ROCKET MOTOR ASSEMBLY REPLACEMENT & C/W SB 2X-95-24R2 CAPS ROCKET SHELF GROUND WIRE					
		Weight	Arm	Moment	
SB 2X-95-17R3 - ROCKET AND SHELF ASSEMBLY		1.34	231.4	310.08	
SB 2X-95-17R3 - ELECTRICAL WIRING MODIFICATIONS		2.69	201.2	541.23	
				0.00	
SB 2X-95-24R2 - ELECTRICAL WIRING MODIFICATIONS		0.10	116.0	11.60	
				0.00	
				0.00	
				0.00	
				0.00	
				0.00	
				0.00	
				0.00	
				0.00	
				0.00	
				0.00	
☒ As Calculated As Weighed		Moment 301424.40 Weight 2142.30		New Empty Weight CG 140.70	
				New Useful Load 857.70	
		Signature JOSHUA J. FERRY 			
		Repair Agency or License No: 5T2R901C			