



AIRCRAFT WEIGHT & BALANCE REVISION

| | | | |
|--------------------------|--------------------|------------------------|------------------|
| Aircraft Model | Cirrus SR22 | Aircraft Reg. # | N1539C |
| Aircraft Serial # | 545 | Date | 18-Oct-13 |

| Item Installed or Removed | Weight - lbs | | Arm - inches | Moment- in-lbs | |
|---------------------------------------|--------------------|-----|----------------------|-------------------------|-----|
| | On | Off | | On | Off |
| last wt & bal updated 4/4/2007 | 2325.20 | | 139.55 | 324472.70 | |
| Added: New CAPS rocket & shelf assy. | 1.34 | | 231.40 | 310.08 | |
| Electircal wiring mod. | 0.78 | | 116.00 | 90.48 | |
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| New Aircraft Empty Weight / CG | 2327.32 lbs | | 139.59 inches | 324873.26 in-lbs | |

New Aircraft Empty Weight: 2327.32 pounds
 New Aircraft Empty Weight CG: 139.59 inches aft of datum
 New Aircraft Moment: 324873.26 inch-pounds
 New Aircraft Useful Load: 1072.68 pounds
 Maximum TO Weight: 3400.00 pounds


 FAA Certified Repair Station #LN3R663L WO # C29-13-01217

14700 North Airport Drive, Suite 130
 Scottsdale, AZ 85260
 main 480.443.7295 fax 480.443.7227
 www.landmarkaviation.com

| ATA / Item | Description | Sym | Qty | Part Number | Unit Wt | Arm |
|------------|-------------------------------------------------------|-----|-----|-------------|---------|-------|
| 22 | AutoFlight | | | | | |
| | Avionics Config "A" | | | | | |
| 22-01 | • Sys 30 Autopilot/Turn Cord | S | - | 12107-002 | 2.2 | 115.8 |
| 22-02 | • Altitude Transducer | S | - | 12722-001 | 0.2 | 112.4 |
| 22-03 | • Pitch Computer | S | - | 12726-002 | 1.0 | 133.3 |
| | Avionics Config "B" | | | | | |
| 22-04 | • Sys 55X Autopilot Prgrmmr | S | 1 | 13560-001 | 3.0 | 123.3 |
| 22-05 | • Altitude Transducer | S | 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 | S | 1 | 12741-001 | 0.5 | 204.6 |
| 24 | Electrical Power | | | | | |
| 24-01 | Alternator 1 | C | 1 | 646845 | 12.3 | 61.8 |
| 24-02 | Alternator 2 | C | 1 | 13565-001 | 5.7 | 91.0 |
| 24-03 | MCU | C | 1 | 13470-001 | 7.5 | 98.0 |
| 24-04 | Volt / Ammeter | C | 1 | 12618-001 | 0.8 | 119.7 |
| 24-05 | Battery 1 | C | 1 | 50366-001 | 28.0 | 96.0 |
| 24-06 | Battery 2 | C | 1 | 50979-001 | 11.5 | 230.0 |
| 25 | Equipment & Furnishings | | | | | |
| 25-01 | Emergency Locator Transmitter & Batteries | C | 1 | 12756-001 | 3.6 | 228.8 |
| 25-02 | Fwd Seat & Restraint Inst. (Leather: add 0.4 lb each) | C | 2 | 13499-001 | 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 | 12553-003 | 2.3 | 185.0 |
| 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 |

| ATA/Item | Description | Sym | Qty | Part Number | Unit Wt | Arm |
|-----------|-----------------------------------|-----|-----|----------------|---------|-------|
| 27-03 | Roll Trim Motor Assembly | C | 1 | 12546-001 | 1.3 | 159.8 |
| 27-04 | Pitch Trim Cartridge Assy | C | 1 | 10680-004 | 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 | 106.2 |
| 28 | Fuel | | | | | |
| 28-01 | Fuel Quantity Indicator | C | 1 | 13557-001 | 0.8 | 138.0 |
| 28-02 | Fuel Selector Valve | C | 1 | 11627-001 | 1.8 | 140.8 |
| 28-03 | Gascolator | C | 1 | 14069-001 | 1.0 | 98.5 |
| 28-04 | Fuel Cap Assy | S | 2 | 10052-001 | 0.3 | 152.3 |
| 28-05 | Fuel Level Sender (OTBD) | C | 2 | 13467-001/-002 | 0.3 | 157.8 |
| 28-06 | Fuel Level Sender (INBD) | C | 2 | 13467-003/-004 | 0.3 | 157.8 |
| 30 | Ice & Rain Protection | | | | | |
| 30-01 | Propeller Slinger Ring | O | 1 | 15321-001 | 1.5 | 55.0 |
| 30-02 | De-Icing Fluid Reservoir | O | 1 | 15269-001 | 4.2 | 181.0 |
| 30-03 | Metering Pump | O | 1 | 15165-004 | 4.5 | 176.0 |
| 31 | Indicating & Recording | | | | | |
| 31-01 | Annunciator Panel | C | 1 | 11837-003 | 0.3 | 117.2 |
| 31-02 | Hourmeter | S | 1 | 50485-001 | 0.1 | 142.3 |
| 32 | Landing Gear | | | | | |
| 32-01 | Main Gear Assembly | C | 2 | 13877-001/-002 | 34.0 | 157.5 |
| 32-02 | Main Gear Strut Fair Upper | S | 2 | 13397-001/-002 | 4.1 | 157.5 |
| 32-03 | Main Gear Strut Fair Lower | S | 2 | 13443-001/-002 | 4.2 | 157.5 |
| 32-04 | Main Gear Fairing Wheel | S | 2 | 14196-001/-002 | 4.2 | 157.5 |
| 32-05 | Brake Assembly | C | 2 | 13399-103 | 3.2 | 157.5 |
| 32-06 | Main Wheels | C | 2 | 13399-101 | 6.3 | 157.5 |
| 32-07 | Main Tire | C | 2 | 14075-002 | 6.3 | 157.5 |
| 32-08 | Main Tube | C | 2 | 14076-002 | 1.0 | 157.5 |
| 32-09 | Nose Gear Assembly | C | 1 | 14082-001 | 35.0 | 86.0 |
| 32-10 | Nose Wheel | C | 1 | 12798-001 | 4.5 | 70.0 |
| 32-11 | Nose Tire 5.00 x 5 | C | 1 | 14075-001 | 4.3 | 70.0 |
| 32-12 | Nose Tire Tube | C | 1 | 14076-001 | 1.0 | 70.0 |
| 32-13 | Nose Gear Fairing & Pant | S | 1 | 14291-101 | 0.9 | 78.0 |
| 32-14 | Brake Master Cylinder | C | 4 | 14269-001 | 0.6 | 104.5 |
| 32-15 | 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 | S | 1 | 12580-001 | 1.9 | 80.0 |
| 34 | Navigation & Pitot Static | | | | | |
| | MFD Option | | | | | |
| 34-01 | • ARNAV ICDS-2000 MFD | O | - | 12755-001 | 8.8 | 121.8 |
| 34-02 | • Avidyne FlightMax MFD | O | 1 | 700-00004-XXX | 6.4 | 121.8 |
| | PFD Option | | | | | |
| 34-03 | • Avidyne FlightMax PFD | O | 1 | 15222-001 | 12.0 | 115.5 |
| | Engine Monitoring Option | | | | | |
| 34-04 | • Monitor Sensor Unit | O | 1 | 14843-001 | 1.1 | 118.0 |
| 34-05 | • Monitor Harness | O | 1 | 15030-001 | 0.9 | 92.0 |
| 34-06 | • Monitor Cabin Harness | O | 1 | 15032-001 | 2.0 | 108.0 |
| | Sky Watch Option | | | | | |
| 34-07 | • Sky Watch Inverter | O | 1 | 14484-001 | 0.5 | 118.0 |
| 34-08 | • Sky Watch Antenna nstl | O | 1 | 14477-001 | 2.3 | 150.5 |
| 34-09 | • Sky Watch Track Box | O | 1 | 14477-050 | 10.0 | 140.0 |
| | Stormscope Option | | | | | |
| 34-10 | • Processor | O | 1 | 12745-050 | 1.7 | 199.0 |
| 34-11 | • Antenna | O | 1 | 12745-070 | .9 | 191.0 |
| | HSI Option | | | | | |
| 34-12 | • NSD 1000 | O | - | 12734-151 | 4.6 | 114.1 |
| 34-13 | • Remote Gyro | O | - | 14357-001 | 4.9 | 181.0 |
| 34-14 | • SANDEL SN3308 | O | - | 14356-001 | 3.6 | 114.1 |
| 34-15 | Gyro Slaving Amplifier | S | 1 | 12734-111 | 1.0 | 135.0 |
| 34-16 | Flux Detector | S | 1 | 12734-121 | 0.4 | 151.0 |
| 34-17 | Altimeter | C | 1 | 12102-001 | 1.1 | 116.1 |
| 34-18 | TAS Indicator | C | 1 | 13568-001 | 0.7 | 116.9 |
| 34-19 | Vertical Speed Indicator | S | - | 12103-001 | 0.7 | 116.6 |
| 34-20 | Magnetic Compass | C | 1 | 12451-001 | 0.3 | 132.7 |
| 34-21 | Attitude Gyro | C | 1 | 13468-001 | 2.2 | 114.5 |
| 34-22 | Clock & OAT Gage | S | - | 50352-001 | 0.3 | 117.4 |
| 34-23 | Marker Beacon Antenna | S | 1 | 12743-001 | 0.6 | 200.0 |
| 34-24 | GPS 1 Antenna | C | 1 | 12744-001 | 0.4 | 136.2 |

| ATA / Item | Description | Sym | Qty | Part Number | Unit Wt | Arm |
|------------|----------------------------|-----|-----|-------------|---------|-------|
| 34-25 | GPS 2 Antenna | S | 1 | 12744-001 | 0.4 | 110.3 |
| 34-26 | Transponder Antenna | C | 1 | 12739-001 | 0.1 | 105.0 |
| 34-27 | VOR/LOC Antenna | C | 1 | 12742-001 | 0.4 | 331.0 |
| 34-28 | Turn Coordinator, Modified | C | 1 | 11891-001 | 1.8 | 118.0 |
| 34-29 | VOR/LOC./ILS/GS Indicator | S | - | 12723-152 | 1.3 | 116.6 |
| 34-30 | GMA 340 Audio Panel | S | 1 | 12717-050 | 1.5 | 121.5 |
| 34-31 | GNS 430 (GPS/COM/NAV) | C | 1 | 12718-051 | 5.0 | 121.0 |
| 34-32 | GNS 430 (GPS/COM/NAV) | S | 1 | 12718-051 | 5.0 | 122.4 |
| 34-33 | GTX 327 Transponder | C | 1 | 13587-001 | 1.6 | 124.9 |
| 61 | Propeller | | | | | |
| | <i>Propeller Option</i> | | | | | |
| 61-01 | • Prop w/o Ice Protection | C | - | 14070-001 | 76.2 | 50.3 |
| 61-02 | • Prop w/ Ice Protection | C | 1 | 15319-001 | 78.0 | 50.3 |
| 61-03 | Propeller Governor | C | 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 | 15204-002 | 5.4 | 78.4 |
| 71-03 | Engine Baffling | C | 1 | 13765-001 | 10.7 | 78.4 |
| 72 | Engine | | | | | |
| 72-01 | Engine Installation | C | 1 | 13600-001 | 414.5 | 76.5 |
| 72-02 | Induction Filter | C | 1 | BA-111 | 0.4 | 85.3 |
| 72-03 | Reiff Heater | O | - | L-6 | 1.9 | 76.0 |
| 73 | Engine Fuel | | | | | |
| 73-01 | Engine Driven Fuel Pump | C | 1 | 634530M | 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 | 13598-001 | 0.4 | 67.8 |
| 74 | Engine Ignition | | | | | |
| 74-01 | Spark Plugs | C | 12 | RHB32E | .25 | 78.4 |
| 74-02 | Magnetos (L & R) | C | 2 | 10-500556-1 | 11.5 | 74.5 |
| 74-03 | Ignition Switch | C | 1 | 50314-001 | 0.5 | 123.0 |

Cirrus Design
SR22, S/N 0545

Weight & Balance
Equipment List

| ATA / Item | Description | Sym | Qty | Part Number | Unit Wt | Arm |
|------------|--------------------------|-----|-----|-------------|---------|-------|
| 77 | Engine Indicating | | | | | |
| 77-01 | Tachometer | C | 1 | 13559-001 | 0.5 | 118.7 |
| 77-02 | EGT/CHT Gage | C | - | 12616-001 | 0.5 | 119.0 |
| 77-03 | Man Press/Fuel Flow Gage | C | 1 | 13558-001 | 0.5 | 118.8 |
| 77-04 | Oil Temp / Pressure Gage | C | 1 | 12619-001 | 0.5 | 119.2 |
| 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 | 15077-001 | 2.9 | 99.0 |
| 79 | Oil | | | | | |
| 79-01 | Engine Oil Cooler | S | 1 | 10281A | 7.8 | 86.5 |
| 79-02 | Oil Filter | S | 1 | CH48108 | 1.5 | 78.4 |
| 80 | Starting | | | | | |
| 80-01 | 24-volt Starter | S | 1 | ES-646275-1 | 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 | 13772-001 | 1.2 | - |