

Thatcher CX5 Material List

AIRCRAFT SPRUCE & SPECIALTY CO.

VENDER PHONE: 877-477-7823 E-MAIL: INFO@AIRCRAFTSPRUCE

| QTY | SKU | DESCRIPTION | UNIT COST | PRICE - USD | |
|-----|------|----------------|---|-------------|--------|
| | 1 | 1604-0412 | Rivet, AVEX, Countersunk, 120°, 1/8" (Bulk - quantity 200) | 16.20 | 16.20 |
| | 50 | A1787-8Z-1D | Nut, Anchor, Size 8 | 0.31 | 15.50 |
| | 75 | A6195-8Z-1D | Nut, Tinnerman, Size 8 | 0.37 | 27.75 |
| | 25 | AN310-3 | Nut, Castle, 10/32 | 0.62 | 15.50 |
| | 25 | AN310-4 | Nut, Castle, 1/4 x 28 | 0.79 | 19.75 |
| | 30 | AN3-10A | Bolt, 10/32 x 1-1/32, Undrilled | 0.14 | 4.20 |
| | 5 | AN3-11A | Bolt, 10/32 x 1-5/32, Undrilled | 0.18 | 0.90 |
| | 5 | AN3-13 | Bolt, 10/32 x 1-13/32, Drilled | 0.70 | 3.50 |
| | 10 | AN3-13A | Bolt, 10/32 x 1-13/32, Undrilled | 0.19 | 1.90 |
| | 30 | AN316-4R | Nut, Thin, R, 1/4 x 28 | 0.09 | 2.70 |
| | 10 | AN3-4A | Bolt, 10/32 x 17/32, Undrilled | 11.00 | 110.00 |
| | 10 | AN3-5 | Bolt, 10/32 x 21/32, Drilled | 0.54 | 5.40 |
| | 10 | AN3-5A | Bolt, 10/32 x 21/32, Undrilled | 0.11 | 1.10 |
| | 100 | AN364-632A | Nut, Thin, Elastic Stop, CAD, 6-32 | 0.32 | 32.00 |
| | 100 | AN365-1032A | Nut, Elastic Stop, CAD, 10-32 | 0.09 | 9.00 |
| | 60 | AN365-428A | Nut, Elastic Stop, CAD, 1/4 x 28 | 0.12 | 7.20 |
| | 20 | AN365-524A | Nut, Elastic Stop, CAD, 5/16 x 24 | 0.15 | 3.00 |
| | 10 | AN365-624 | Nut, Elastic Stop, CAD, 3/8 x 24 | 0.26 | 2.60 |
| | 4 | AN365-820A | Nut, Elastic Stop, CAD, 1/2 x 20 | 0.98 | 3.92 |
| | 50 | AN365-832A | Nut, Elastic Stop, CAD, 8-32 | 0.12 | 6.00 |
| | 30 | AN3-6A | Bolt, 10-32 x 25/32, CAD, Undrilled | 0.12 | 3.60 |
| | 4 | AN3-7 | Bolt, 10-32 x 29/32, CAD, Drilled | 0.49 | 1.96 |
| | 5 | AN3-7A | Bolt, 10-32 x 29/32, CAD, Undrilled | 0.12 | 0.60 |
| | 5 | AN4-10A | Bolt, 1/4-28 x 1-1/32, CAD, Undrilled | 0.23 | 1.15 |
| | 20 | AN4-12A | Bolt, 1/4-28 x 1-9/32, CAD, Undrilled | 0.23 | 4.60 |
| | 2 | AN4-14 | Bolt, 1/4-28 x 1-17/32, CAD, Drilled | 0.69 | 1.38 |
| | 30 | AN4-16A | Bolt, 1/4-28 x 1-25/32, CAD, Undrilled | 0.38 | 11.40 |
| | 5 | AN4-17A | Bolt, 1/4-28 x 1-29/32, CAD, Undrilled | 0.35 | 1.75 |
| | 5 | AN4-25A | Bolt, 1/4-28 x 1-17/32, CAD, Undrilled | 0.42 | 2.10 |
| | 4 | AN4-46 | Bolt, 1/4-28 x 4-25/32, CAD, Drilled | 1.95 | 7.80 |
| | 15 | AN4-4A | Bolt, 1/4-28 x 17/32, CAD, Undrilled | 0.15 | 2.25 |
| | 2 | AN4-52 | Bolt, 1/4-28 x 5-9/32, CAD, Drilled | 9.67 | 19.34 |
| | 2 | AN4-56 | Bolt, 1/4-28 x 5-25/32, CAD, Drilled | 8.97 | 17.94 |
| | 10 | AN4-5A | Bolt, 1/4-28 x 21/32, CAD, Undrilled | 0.18 | 1.80 |
| | 10 | AN4-6A | Bolt, 1/4-28 x 25/32, CAD, Undrilled | 0.16 | 1.60 |
| | 0.25 | AN470AD-5-11 | Rivet, Solid, 5/32 x 11/16 (Per Pound, Required For Builder Constructed Spar) | 17.50 | |
| | 0.25 | AN470AD-5-13 | Rivet, Solid, 5/32 x 0.812 (Per Pound, Required For Builder Constructed Spar) | 19.90 | |
| | 0.25 | AN470AD-5-7 | Rivet, Solid, 5/32 x 7/16 (Per Pound, Required For Builder Constructed Spar) | 17.50 | |
| | 10 | MS24694-S56 | Screw (AN509-10R14), 10/32 x 29/32 | 0.16 | 1.60 |
| | 4 | AN5-20A | Bolt, 5/16-24 x 2-3/32, CAD, Undrilled (Landing Gear Attach Bolts) | 0.53 | 2.12 |
| | 10 | AN525-10R12 | Screw, Washer Head, 10-32 x 3/4 | 0.15 | 1.50 |
| | 5 | AN525-10R14 | Screw, Washer Head, 10-32 x 7/8 | 0.23 | 1.15 |
| | 30 | AN526C-1032R10 | Screw, Machine, SS, 10-32 x 5/8 | 0.15 | 4.50 |
| | 20 | AN526C-632R8 | Screw, Machine, SS, 6-32 x 1/2 | 0.06 | 1.20 |
| | 100 | AN526C-632R6 | Screw, Machine, SS, 6-32 x 3/8 | 0.07 | 7.00 |
| | 30 | AN526C-832R10 | Screw, Machine, SS, 8-32 x 5/8 | 0.09 | 2.70 |
| | 6 | AN5-35A | Bolt, 5/16-24 x 3-23/32, CAD, Undrilled (Prop Bolts) | 1.38 | 8.28 |
| | 2 | AN5-7A | Bolt, 5/16-24 x 31/32, CAD, Undrilled (Aft Wing Attach Bolts) | 0.31 | 0.62 |
| | 4 | AN6-22A | Bolt, 3/8-24 x 2-11/32, CAD, Undrilled (Engine Mount Bolts) | 0.83 | 3.32 |
| | 4 | AN6-37A | Bolt, 3/8-24 x 3-31/32, CAD, Undrilled (Engine Mount Bolts) | 1.59 | 6.36 |
| | 4 | AN8-20A | Bolt, 1/2-20 x 2-3/32, CAD Undrilled (Wing Attach Bolts) | 2.75 | 11.00 |
| | 75 | AN960-10 | Washer, Flat, 3/16 | 0.02 | 1.50 |
| | 50 | AN960-416 | Washer, Flat, 1/4 | 0.02 | 1.00 |
| | 100 | CCP-32 | Rivet, Cherry, 3/32 (Used on Anchor Nuts) | 0.17 | 17.00 |
| | 4500 | CCP-42 | Rivet, Cherry, 1/8 | 0.07 | 315.00 |
| | 600 | CCP-44 | Rivet, Cherry, 1/8 | 0.07 | 42.00 |
| | 200 | CCP-46 | Rivet, Cherry, 1/8 | 0.12 | 24.00 |

Aircraft Spruce Page Subtotal 819.24

Thatcher CX5 Material List

AIRCRAFT SPRUCE & SPECIALTY (continued)

| QTY | SKU | DESCRIPTION | UNIT COST | PRICE - USD |
|-----|-------------|--|-----------|-------------|
| 1 | 10371 | Gascolator Bracket | 21.50 | 21.50 |
| 1 | 10580 | Fuel Gascolator | 82.75 | 82.75 |
| 1 | 15000 | Hobbs Meter | 26.95 | 26.95 |
| 1 | 15144 | Pitot-static tube | 34.85 | 34.85 |
| 7 | 03-00185-8 | Angle, 6061T6, 3/4 x 3/4 x 0.062 x 8' | 19.68 | 137.76 |
| 10 | 03-02600 | Tube, 4130, 1/2 x .058 (Per foot) | 3.50 | 35.00 |
| 2 | 03-02900 | Tube, 4130, 1/2 x 0.120 (Per foot) | 5.97 | 11.94 |
| 6 | 03-03800 | Tube, 4130, 5/8 x 0.058 (Per foot) | 3.99 | 23.94 |
| 4 | 03-04500 | Tube, 4130, 3/4 x 0.058 (Per foot) | 4.20 | 16.80 |
| 1 | 03-05500 | Tube, 4130, 7/8 x 0.058 (Per foot) | 4.55 | 4.55 |
| 7 | 03-09910 | Sheet, 6061T6, 4' x 12' x 0.20 | 106.75 | 747.25 |
| 1 | 03-22650 | Plate, Steel, 4130, 9" x 9" x .040 | 3.77 | 3.77 |
| 1 | 03-23050 | Plate, Steel, 4130, 9" x 9" x .050 | 4.45 | 4.45 |
| 4 | 03-29910 | Sheet, 6061T6, 4' x 12' x 0.25 | 115.75 | 463.00 |
| 2 | 03-30010 | Sheet, 6061T6, 4' x 12' x 0.32 | 98.25 | 196.50 |
| 1 | 03-30150 | Sheet, 6061T6, 2' x 4' x .063 | 32.50 | 32.50 |
| 3 | 03-31140 | Sheet, 6061T6, 4' x 4' x 0.40 | 39.75 | 119.25 |
| 4 | 03-35750-8 | Tube, 6061T6, 3/8" OD, 0.209 ID, 0.083 Wall x 8' (Control System) | 21.60 | 86.40 |
| 2 | 03-36050-8 | Tube, 6061T6, 5/8" OD, 0.509 ID, 0.058 Wall x 8' (Elevator Push/Pull) | 29.60 | 59.20 |
| 1 | 03-42800-8 | Bar, 2024T3, 1-1/2" x 1/8" x 8' (Req'd for Builder Constructed Spar) | 22.40 | |
| 3 | 03-43400 | Bar, 2024T3, 1" x 1/4" (Per foot) | 3.35 | 10.05 |
| 3 | 03-43600-8 | Bar, 2024T3, 1-1/2" x 1/4" x 8' (Req'd for Builder Constructed Spar) | 39.12 | |
| 1 | 03-47200-8 | Angle, 2024T3, 1" x 1" x 1/16" x 8' | 30.00 | 30.00 |
| 5 | 03-47900-8 | Angle, 6061T6, 3/4" x 3/4" x 1/8" x 8' (Fuselage) | 7.36 | 36.80 |
| 3 | 03-48000-8 | Angle, 6061T6, 1" x 1" x 1/8" x 8' | 10.80 | 32.40 |
| 2 | 03-48100-8 | Angle, 6061T6, 1-1/2" x 1-1/2" x 1/8" x 8' (Fuselage) | 14.00 | 28.00 |
| 7 | 03-48200-8 | Angle, 6061T6, 1-1/2" x 1-1/2" x 3/16" x 8' (Req'd for Builder Constructed Spar) | 19.60 | |
| 2 | 03-48200-8 | Angle, 6061T6, 1-1/2" x 1-1/2" x 3/16" x 8' (Fuselage) | 19.60 | 39.20 |
| 28 | 05-01012 | Tubing, Nylon, 3/8" OD (Per foot) | 0.74 | 20.72 |
| 3 | 05-01150 | Fitting, Pushrod End, 0.058 (Elevator Tubes) | 9.90 | 29.70 |
| 32 | 05-04300 | Cable, SS, 1/8" (Per foot) | 1.21 | 38.72 |
| 1 | 05-04877 | Nav/Strobe Set, AVEO Power Burst | 472.00 | 472.00 |
| 2 | 05-08160 | Vernier Control, A-790, 60" | 76.80 | 153.60 |
| 20 | 05-15500 | Cable, Bowden (Per foot) (Controls) | 2.35 | 47.00 |
| 4 | 05-29909-9 | SCAT Ducting 2-1/4" (Per foot) | 9.60 | 38.40 |
| 2 | 05-29912-12 | SCAT Ducting 3" (Per foot) | 10.50 | 21.00 |
| 3 | 06-00755 | Tire Tube, 90° Valve, 5.00-5 | 56.75 | 170.25 |
| 2 | 06-07710 | Tire, Goodyear, Flight Special II, 5.00-5 | 102.75 | 205.50 |
| 2 | 10350-9 | Flange, Duct, 2-1/4" | 11.60 | 23.20 |
| 1 | 11-03161 | Relay, Master, 12VDC | 26.50 | 26.50 |
| 1 | 11-08080 | Battery, Odyssey, PC625 | 106.67 | 106.67 |
| 1 | 11-123 | Switch, SPDT (ON-OFF-ON) | 4.70 | 4.70 |
| 2 | 13-00401 | Seat Belt, Black, 2" x 56" (Several colors available) | 59.75 | 119.50 |
| 2 | 13-00801 | Shoulder Harness, Black (Several colors available) | 81.65 | 163.30 |
| 4 | AN100C-4 | Cable Thimble, SS, 3/32 (1/8") | 0.24 | 0.96 |
| 1 | AN3027-7 | Master Switch, DPDT (MS35059-27) | 24.95 | 24.95 |
| 8 | FMN10 | Bearing, Nylon, 5/8" | 0.80 | 6.40 |
| 2 | MCMC-4A | Master Brake Cylinder, Matco | 94.75 | 189.50 |
| 30 | MM-4 | Bearing, Rod End, Heim | 6.85 | 205.50 |
| 3 | MS20001P5-6 | Piano Hinge, 1-3/4" x 0.051 x 6' | 63.80 | 191.40 |
| 20 | MS21059-L4 | Nut, Anchor, Floating, Two Lug, 1/4-28 | 1.08 | 21.60 |
| 25 | MS21059-L3 | Nut, Anchor, Floating, Two Lug, 10-32 | 0.72 | 18.00 |
| 100 | MS24665-134 | Cotter Pin, CAD, 1/16 x 3/4 | 0.03 | 3.00 |
| 4 | 05-03290 | Nico Sleeve, Copper, 1/8" (18-3-M) (MS51844-44) | 0.39 | 1.56 |
| 1 | 11-03924 | Circuit Breaker, Tyco, 10A (W23X1A1G10) | 21.75 | 21.75 |
| 1 | 11-03927 | Circuit Breaker, Tyco, 20A (W23X1A1G20) | 21.75 | 21.75 |
| 2 | 11-03931 | Circuit Breaker, Tyco, 10A (W31X2M1G10) | 24.85 | 49.70 |
| 2 | 11-03936 | Circuit Breaker, Tyco, 5A (W31X2M1G5) | 24.85 | 49.70 |

Aircraft Spruce Page Subtotal 4,731.34

Thatcher CX5 Material List

AIRCRAFT SPRUCE & SPECIALTY (continued)

| QTY | SKU | DESCRIPTION | UNIT COST | PRICE - USD |
|--------------------------|----------|--|-----------|-------------|
| Fuel System Parts | | | | |
| 8 | 6506 | Clamps | 0.92 | 7.36 |
| 1 | 6749 | Fuel Valve, 3 port | 26.65 | 26.65 |
| 2 | 10610 | Fuel Cap, Flush, Vented | 57.75 | 115.50 |
| 2 | 09-38510 | Pro-Seal, 3.5 oz | 19.90 | 39.80 |
| 2 | 10-01501 | Universal Probe Mount | 8.75 | 17.50 |
| 6 | 05-04712 | Fire Sleeve, 1/2" (Per Foot) | 6.90 | 41.40 |
| 6 | 306-4 | Hose, Aeroquip, 1/4" ID (Per foot) | 2.40 | 14.40 |
| 4 | 471-6D | Fitting Set, Aeroquip, 3/8" | 8.85 | 35.40 |
| 2 | AN815-6D | Union, Aluminum, 3/8 OD Flared Tube | 3.35 | 6.70 |
| 3 | AN816-6D | Nipple, Aluminum, 3/8 OD Flared Tube & 1/4 Pipe Thread | 2.85 | 8.55 |
| 12 | AN818-6D | Nut, Coupling, 3/8 OD Flared Tube | 0.91 | 10.92 |
| 12 | AN819-6D | Sleeve, Aluminum, 3/8 OD Tube | 0.76 | 9.12 |
| 2 | AN821-6D | Elbow, Aluminum, 90°, 3/8 OD Flared Tube | 13.90 | 27.80 |
| 2 | AN822-6D | Elbow, Aluminum, 90°, 3/8 OD Flared Tube & 1/4 Pipe Thread | 7.95 | 15.90 |
| 1 | AN823-6D | Elbow, Aluminum, 45°, 3/8 OD Flared Tube & 1/4 Pipe Thread | 8.75 | 8.75 |
| 1 | AN833-6D | Elbow, Bulkhead, Aluminum, 3/8 OD Flared Tube | 11.60 | 11.60 |
| 6 | AN867-1 | Weld Flange, 1/8" Drain Fitting | 7.60 | 45.60 |
| 1 | AN924-6D | Nut, Aluminum, 3/8" Tube OD | 0.93 | 0.93 |
| 4 | CAV-110 | Drain Valve, Fuel, Saf-Air, Push Type | 14.50 | 58.00 |
| 2 | 05-04045 | Drain Valve, Curtis, 1/8" NPT, Twist Type, CCA-1250 | 12.50 | 25.00 |

Aircraft Spruce Page Subtotal 526.88

Aircraft Spruce Total 6,077.46

WICKS AIRCRAFT SUPPLY

VENDER PHONE: 800-221-9425 E-MAIL: INFO@WICKAIRCRAFT.COM

| QTY | SKU | DESCRIPTION | UNIT COST | PRICE - USD |
|-----|------------|---|-----------|-------------|
| 6 | BR1/8x1-41 | 4130 Steel Bar - 1/8" x 1" (Per foot, <i>Req'd for Builder Constructed Spar</i>) | 2.03 | |
| 6 | BR1/4x1-41 | 4130 Steel Bar - 1/4" x 1" (Per Foot, <i>Req'd for Builder Constructed Spar</i>) | 7.78 | |
| 1 | TR100-040 | Tire, Shin 11 x 4.00 x 5 (Nose Wheel) | 35.16 | 35.16 |

Wicks Aircraft Total 35.16

GREAT PLAINS AIRCRAFT SUPPLY

PHONE: 800-922-6507 E-MAIL: INFO@GREATPLAINSAS.COM

| QTY | SKU | DESCRIPTION | UNIT COST | PRICE - USD |
|-----|-----|---|-----------|-------------|
| 2 | | Aluminum Wheels - 5" with 3/4" Bearings | 47.95 | 95.90 |
| 1 | | Aluminum Wheel - 5" with 5/8" Sealed Bearings | 32.35 | 32.35 |
| 1 | | Axles - 3/4" Pre-welded (Set of two) | 69.95 | 69.95 |
| 1 | | Spinner Set - 12" | 147.00 | 147.00 |
| 1 | | CX5 Landing Gear | 500.00 | 500.00 |
| 4 | | Exhaust Pipes - 180°, 1.375" | 9.00 | 36.00 |
| 2 | | Exhaust Pipe - 2' Straight, 1.375" | 9.00 | 18.00 |
| 4 | | Exhaust Welding Flanges - 1.375" | 5.95 | 23.80 |
| 1 | | UMA Analog Tach 2-1/2" (6 pulses/revolution) | 279.95 | 279.95 |
| 1 | | Facet Fuel Pump - 4 psi | 34.95 | 34.95 |
| 1 | | VDO Voltmeter | 35.60 | 35.60 |
| 1 | | VDO Oil Pressure Gauge and Sender | 79.05 | 79.05 |
| 1 | | VDO Oil Temperature Gauge and Sender | 47.95 | 47.95 |
| 1 | | VDO CHT Gauge and Sender | 130.60 | 130.60 |
| 1 | | Zenith Carburetor Mount Flange | 6.95 | 6.95 |
| 1 | | 21/22 Zenith Carburetor | 430.09 | 430.09 |

Great Plains Aircraft Total 1,968.14

Thatcher CX5 Material List

MISCELLANEOUS

| QTY | SKU | DESCRIPTION | UNIT COST | PRICE - USD |
|---|------------|--|-----------|-------------|
| Parts from Thatcher Aircraft | | | | |
| 1 | | Nose Strut, 4130 Steel Tube, 1.125" x .0188, pre-bent with machined plug <i>For builder constructed Strut, order 4130 steel tube (0.125 x 0.188 x 5 ft.) from OnLine Metals.com (91.89)</i> | 162.00 | 162.00 |
| 1 | | Nose Wheel Fork Assembly <i>For builder constructed Fork, order 6061T6 square tube (5" x 1/4" x 1 ft.) from OnLine Metals.com (35.75)</i> | 325.00 | 325.00 |
| 1 | | Belleville Washers - 1 Set | 32.00 | 32.00 |
| Part from Todds Canopies (Phone: 954-579-0874) | | | | |
| 1 | | CX5 Canopy | 450.00 | 450.00 |
| Parts from Westberry Manufacturing LLC (Phone: 423-667-9708) | | | | |
| 1 | | CX5 Spar Assembly | 2200.00 | 2,200.00 |
| 1 | | CX5 Windshield | 85.00 | 85.00 |
| 8 | NF35-2-1/2 | Nylon Bearing Set | 2.50 | 20.00 |
| 3 | NF46-3 | Nylon Bearings | 2.50 | 7.50 |
| 2 | | Tie Down Rings | 6.00 | 12.00 |
| Parts from Earnest Martin (Phone: 828-230-5378) | | | | |
| 1 | | Wheel Fairing Set (3 pcs) | 300.00 | 300.00 |
| 1 | | Cowling | 660.00 | 660.00 |
| 1 | | Wing and Elevator Tip Set (4 pcs) | 176.00 | 176.00 |
| Parts - Other: | | | | |
| 1 | T-8071-3 | Engine Baffle Material, 1 roll (from www.brownaircraft.com) | 85.85 | 85.85 |
| 1 | 4C814 | Blower Motor (From Grainger) | 157.25 | 157.25 |
| 1 | H6200-1MP | Check Valve (from http://valvecheckinc.com) | | 0.00 |
| 1 | | Galvanized Tin, 2' x 3' - 26 gage for firewall (from hardware store) | 10.00 | 10.00 |
| 3 | | Aluminum Bar, 1/2" x 1/8" x 6' (from hardware store) | 0.00 | 0.00 |
| 6 | | Metric Screws, M6-1.00 x 16 (from hardware store) | 0.00 | 0.00 |
| 1 | | Window Motor, Dorman 741-565 (from Ebay) | 60.56 | 60.56 |
| 1 | 035727-10 | Moeller Black Face Fuel Gauge, 33 to 260 ohms | 31.19 | 31.19 |
| 2 | 35729-10 | Moeller Sending Unit, 12" to 24" | 27.84 | 55.68 |
| 1 | FF1314-02 | Bunting Bearing, 1-1/8" ID | 5.00 | 5.00 |
| 1 | EF1012-10 | Bunting Bearing Set, 5/8" | 3.00 | 3.00 |

Miscellaneous Total 4,838.03

ENGINE, MOUNT & PROPELLER

| QTY | SKU | DESCRIPTION | UNIT COST | PRICE - USD |
|-----|-----|--|-----------|-------------|
| 1 | | Revmaster 2300 engine - 760-244-3074 | 7685.00 | 7,685.00 |
| 1 | | Engine Mount (Order from Ed Klepeis, Tech Welding, Paducah, Kentucky Shop Phone: (270) 898-3776 Email: techwelding@comcast.net) | 440.00 | 440.00 |
| 1 | | Tennessee Propeller - 706-398-0651 | 440.00 | 440.00 |

Engine & Propeller Total 8,565.00

Parts Total (All Pages) 21,483.79