



Parts List: XS

Airframe Group

| <i>Item Description</i> | <i>Part Number</i> | <i>Size</i> | <i>Length</i> | <i>UI</i> | <i>QTY</i> |
|--|--------------------|----------------------|---------------|-----------|------------|
| <u>Canopy - XS</u> | | | | | |
| Aluminum sheet, 6061 T6 | 1241-8 | .050" x 1.5" | 8" | EA | 1 |
| Angle, aluminum 6061-T6 | 971-12 | 1" x 1" x .125" | 12" | EA | 1 |
| Angle, aluminum 6061-T6 | 987-6 | 2" x 2" x .125" | 6" | EA | 1 |
| Bar stock, acetal | 42367 | 1" x 1.25" | 3" | EA | 1 |
| Bar stock, alum | 1125-8 | 1" x .125" | 8" | EA | 1 |
| Bar stock, alum | 1125-6 | 1" x .125" | 6" | EA | 1 |
| Bar stock, UHMW | 46314 | .5" x 2" | 2.75" | EA | 1 |
| Gas spring - 15lb | 4138T57 | | | EA | 2 |
| Handle, exterior - drilled | TF92-157 | | | EA | 1 |
| Handle, interior | 226989 | | | EA | 1 |
| Nut, hex nyloc | 90715A135 | 5/16 - 18 | | EA | 2 |
| Nut, Lock Thin Hex 18-8 SS | 90101A237 | 5/16" - 18 | | EA | 2 |
| Washer, nylon flat | 90295A170 | 3/8" ID - 3/4" OD | | EA | 3 |
| Washer, nylon flat | 90295A173 | 3/8" ID - 1" OD | | EA | 3 |
| <u>Cockpit - XS</u> | | | | | |
| Adapter, hose - vent | SV-2 | | | EA | 2 |
| Angle, Aluminum 6063-T52 | 871-8 | 1"x1"x.062"x8" | | EA | 1 |
| Cable, seat belt | ALB-0010 | | | EA | 2 |
| Clamp, hose - SCAT Hose | 5388K34 | 1 15/16" - 2 1/2" ID | 5/16" bw | EA | 4 |
| Hose, Scat | 05-29908 | 2" | | FT | 3 |
| Seat belt set | Seat Belt | | | EA | 2 |
| Vent, cockpit | 05-04073 | | | EA | 2 |
| Window, quarter Left - formed | ALC-0011L | | | EA | 1 |
| Window, quarter Right - Formed | ALC-0011R | | | EA | 1 |
| <u>Controls - XS</u> | | | | | |
| Bearing, ball joint swivel | 63195K63 | 1/4" ID, 21/32" OD | | EA | 6 |
| Bearing, flanged sleeve - bronze | 6338K411 | 1/4 ID - 3/8 OD | | EA | 15 |
| Bearing, nylon flanged - control stick | 6389K449 | 1/2" ID - 3/4" OD | | EA | 4 |
| Bearing, nylon flanged - pedal pivot | 6294K454 | 1" ID - 1.25" OD | | EA | 6 |
| Cable, rudder - long (forward) | ALR-0041 | | | EA | 2 |
| Cable, rudder - short (rear) | ALR-0040 | | | EA | 2 |
| Guide, rudder cable | D2300 | | | EA | 2 |
| Knob, black phenolic - flute tube | 6046K12 | | | EA | 2 |
| Pulley, high strength nylon (rudder cable) | 9466T81 | | | EA | 4 |
| Rod end ball joint | 6072K22 | 5/16-24 | | EA | 4 |
| Rod end ball joint | 6072K21 | 1/4-28 | | EA | 24 |
| Rod end ball joint | 6072K26 | 10-32 | | EA | 2 |
| Spring, flute tube | 9654K917 | | | EA | 2 |
| Turnbuckle barrel | AN155-32S | | | EA | 2 |

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| Item Description | Part Number | Size | Length | UI | QTY |
|--|--------------------|------------------|---------------|-----------|------------|
| <u>Fiberglass parts - XS</u> | | | | | |
| Aileron, left | 104-700 | | | EA | 1 |
| Aileron, right | 104-800 | | | EA | 1 |
| Canopy, tinted/un-tinted | ALC-0010 | | | EA | 1 |
| Console, center | 104-100 | | | EA | 1 |
| Elevator, left | 104-1700 | | | EA | 1 |
| Elevator, right | 104-1800 | | | EA | 1 |
| Flap, left | 104-500 | | | EA | 1 |
| Flap, right | 104-600 | | | EA | 1 |
| Frame, canopy | 104-104 | | | EA | 1 |
| Fuselage | 104-200 | | | EA | 1 |
| Horizontal stabilizer, left - ver 2.0 | 104-1900 | | | EA | 1 |
| Horizontal stabilizer, right - ver 2.0 | 104-2000 | | | EA | 1 |
| Instrument panel assembly (pod) | 104-105 | | | EA | 1 |
| Luggage Floor | 104-208-2 | | | EA | 2 |
| Luggage panel bulkhead | 104-208-1 | | | EA | 1 |
| NACA scoop, small - fuselage | 104-209 | | | EA | 2 |
| Rudder | 104-1100 | | | EA | 1 |
| Seat pan - Left (new style) | 104-131 | | | EA | 1 |
| Seat pan - Right (new style) | 104-132 | | | EA | 1 |
| Seat support, left | 104-102 | | | EA | 1 |
| Seat support, right | 104-103 | | | EA | 1 |
| Tube, alum - elevator | 03-37400 | 1.25 x .065 wall | | FT | 30 |
| Weather strip, canopy | 104-104-3 | | 16' | FT | 16 |
| Wing, Left - No Tank | 104-333 | | | EA | 1 |
| Wing, Right - No Tank | 104-433 | | | EA | 1 |

Fuel system - XS

| | | | | | |
|---|-----------|-------------------------------|--|----|---|
| Clamp, Hose - 3/8" Fuel Line | 5388K16 | | | BX | 3 |
| Filter, Fuel (Napa equivalent for FRM-G3) | 3003 | 3/8" | | EA | 2 |
| Fitting, Hose Brass | 5346K18 | 1/4" NPT - 3/8" Barb Straight | | EA | 1 |
| Fitting, Hose Brass | 53525K17 | 1/4" NPT Female - 3/8" Barb 9 | | EA | 5 |
| Flange, Threaded #2 for Fuel Tanks | 05-01056 | | | EA | 2 |
| Fuel cap, w/keys | A30L-CIR | | | EA | 2 |
| Gascolator | 05-00632 | | | EA | 1 |
| Hose, Rubber Fuel Line | 54605K34 | 3/8" | | FT | 9 |
| Hose, rubber fuel line | 54605K32 | 1/4" ID | | FT | 3 |
| Plug, hex socket brass | 50785K114 | 3/8" NPT, 5/16" Hex | | EA | 2 |
| Plug, hex socket brass - (for gascolator) | 50785K112 | 1/8" NPT | | EA | 1 |
| Plug, hex socket brass - (for gascolator) | 50785K113 | 1/4" NPT | | EA | 1 |
| Quick drain, fuel tanks | SA-14 | 1/4" NPT | | EA | 2 |
| Quick drain, gascolator | SA-18 | 1/8" NPT | | EA | 1 |
| Sending unit, fuel level | FL-PE-01 | | | EA | 2 |
| Strainer, finger | 05-17700 | | | EA | 2 |
| Valve, Check Fuel | 05-00718 | | | EA | 2 |
| Valve, Fuel - 3 Port | 6749 | | | EA | 1 |

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| Item Description | Part Number | Size | Length | UI | QTY |
|---|--------------------|-----------------------|---------------|-----------|------------|
| <u>Metal parts kit - XS</u> | | | | | |
| Bellcrank, elevator mid | ALE-0031 | | | EA | 1 |
| Bellcrank, elevator rear | ALE-0030 | | | EA | 1 |
| Block, swivel - nose leg | ALG-0026 | | | EA | 1 |
| Bracket, fuselage flap | ALW-0054 | | | EA | 2 |
| Bracket, Horizontal tail attach | ALT-0030 | | | EA | 2 |
| Bracket, inboard aileron hinge | ALW-0062 | | | EA | 2 |
| Bracket, Nose Fork - Left | ALG-0031L | | | EA | 1 |
| Bracket, Nose Fork - Right | ALG-0031R | | | EA | 1 |
| Bracket, outboard aileron hinge - left | ALW-0064L | | | EA | 1 |
| Bracket, outboard aileron hinge - right | ALW-0064R | | | EA | 1 |
| Canopy support arms | ALC-0019 | | | EA | 2 |
| Central Beam/Sparbox, Front | ALS-0010 | | | EA | 1 |
| Central Beam/Sparbox, Rear | ALS-0011 | | | EA | 1 |
| Control Horn, Rudder Pedal Assembly | ALR-0032 | | | EA | 2 |
| Control mixer | ALS-0015 | | | EA | 1 |
| Control stick | ALS-0016 | | | EA | 2 |
| Control Stick Mixer Tube | ALS-0017 | | 17 1/8" | EA | 1 |
| End cone, push rod - elevator | ALE-0025 | 1.25" x 5/16" - 24 | | EA | 6 |
| Gear Leg, Spring Steel Universal | ALG-0013 | | | EA | 3 |
| Hinge, rudder lower | ALR-0027 | | | EA | 1 |
| Hinge, rudder upper | ALR-0026 | | | EA | 1 |
| Latch, canopy | ALC-0020 | | | EA | 1 |
| Plate, angle of incidence | ALW-0011 | | | EA | 4 |
| Pulley tangs | ALR-0035 | | | EA | 14 |
| Push rod, aileron | ALA-0072 | | 15" | EA | 2 |
| Push rod, elevator - intermediate | ALE-0020 | | 21 3/4" | EA | 1 |
| Push rod, pedal mixer 16-3/16" | ALR-0034 | | 17" | EA | 1 |
| Push rod, pedal to horn | ALR-0033 | | 8-5/8" | EA | 4 |
| Rudder pedal assembly | ALR-0030 | | | EA | 2 |
| Shim, spar | ALW-0071 | | | EA | 12 |
| Socket, Lower Gear | ALG-0012 | | | EA | 2 |
| Socket, Nose Gear | ALG-0024 | | | EA | 1 |
| Torque tube, flap | ALS-0012 | | | EA | 1 |
| Torsional support - left | ALS-0013 | | | EA | 1 |
| Torsional support - right | ALS-0014 | | | EA | 1 |
| Vent, Wing Tip | ALW-0070 | | | EA | 3 |
| Washer, Lower Nose Fork | ALG-0033 | | | EA | 1 |
| <u>Metal stock - XS</u> | | | | | |
| Aluminum sheet, 6061 T6 | 1241-12 | 12" x 12" x .050 | | EA | 1 |
| Angle, aluminum 6061-T6 | 971-36 | 1" x 1" x .125" | 36" | EA | 1 |
| Angle, Aluminum 6063-T52 | 871-30 | 1"x1"x.062"x30" | | EA | 2 |
| Angle, Aluminum 6063-T52 | 871-36 | 1"x1"x.062"x36" | | EA | 1 |
| Channel, alum (flute support) | 7006-24 | 1.25" x 1.25" x .125" | 24" | EA | 2 |
| Channel, alum (pedal support) | 9001K39 | 2" x .5" x .125" | 8' | IN | 30 |

Airframe Group

| Item Description | Part Number | Size | Length | UI | QTY |
|--|--------------------|-----------------------|-----------------|-----------|------------|
| Firewall, Lightning - pre-cut, undrilled | ALS-0002 | 304 - 0.030 #2 Finish | Stainless steel | EA | 1 |
| Hinge, Piano - Steel | 1582A16 | | 3' | EA | 1 |
| Instrument panel blank | ALP-0001 | | | EA | 1 |
| Tube, alum - flute | 03-36450 | .875 x .065 wall | | FT | 3 |
| Tube, alum - rudder pedal support | 03-36800 | 1.0 x .065 wall | | FT | 3 |

Misc hardware - XS

| | | | | | |
|---|-----------|--------------------|------------------|----|-----|
| Bolt, axel - nose gear | 91247A451 | 5/8" - 18 | 6.5" | EA | 1 |
| Bolt, spar | 91247A446 | 5/8" - 18 | 4.5" | EA | 2 |
| Cotter pin, nose gear axel | 98338A190 | 1/8" x 1-1/2" | | EA | 1 |
| Nut, hex - spar | 95462A535 | 5/8 - 18 | | EA | 2 |
| Nut, hex nyloc | 90715A009 | 8/32 | | EA | 60 |
| Nut, slotted hex | 95030A250 | 5/8-18 | | EA | 1 |
| Nut, stick - coarse thread | 90640A133 | 1/2 - 13 | | EA | 2 |
| Rivet, blind - alum dome | 97525A440 | 1/8" | .376 - .500 grip | EA | 30 |
| Rivet, blind - alum dome | 97525A425 | 1/8" | .4" | EA | 25 |
| Rivet, blind - alumcountersunk | A34AC | 3/32" | .250 - .312 grip | EA | 100 |
| Rivet, blind - SS dome | 97525A505 | 3/16" | .251-.375 grip | EA | 45 |
| Rivet, blind - SS dome firewall | 97525A510 | 3/16" | .375-.500 grip | EA | 20 |
| Screw, SS 100 C/S | 93085A203 | 8/32 | 1-1/4" | EA | 30 |
| Screw, SS Truss head - black oxide finish | 94779A580 | 8/32 | 1/2" | EA | 40 |
| Washer, Belleville for Nose Gear | 9712K36 | | | EA | 1 |
| Washer, cadium plated, thin | 98032A485 | 1/4" ID x .625" OD | .040 thick | EA | 25 |
| Washer, fender | 98370A035 | 5/8" ID | | EA | 4 |
| Washer, split lock | 91475A035 | 5/8" ID | | EA | 2 |

Pitot/Static - XS

| | | | | | |
|---|-----------|---------------------|------|----|----|
| Nut, hex nyloc | 91831A007 | 6-32 | | EA | 4 |
| Pitot/Static Tube | 15144 | | | EA | 1 |
| Screw, SS round head | 91773A151 | 6-32 | 3/4" | EA | 4 |
| Tubing, clear PVC for pitot/static system | 5233K56 | 1/4" ID x 1/16 wall | | FT | 20 |
| Washer, flat nylon | 90295A075 | #6 | | EA | 4 |

Trim system - XS

| | | | | | |
|---|--------------|-------------------------|------|----|----|
| Angle, Aluminum 6063-T52 | 871-3 | 1"x1"x.062"x3" | | EA | 1 |
| Hinge, piano - aluminum (MS20257P3) | 03-00049-6-6 | 1-1/16" open .040 thick | 6" | EA | 28 |
| Nut, hex nyloc | 91831A007 | 6-32 | | EA | 4 |
| Screw, SS 100 C/S | 93085A151 | #6 | 3/4" | EA | 4 |
| Trim system | T2-7A-TS | | | KT | 1 |
| Washer, tinnerman | 04-00397 | #6 | | EA | 4 |
| Wire, 5 conductor - teflon installation cable | WC2-20 | | 20' | EA | 1 |

Wheels/Brakes - XS

| | | | | | |
|--|----------------|-----------------------------|-----|----|----|
| Axel Assembly, Main - XS | WHLAXLE1AR | | | EA | 2 |
| Brake line, 1/8" | MSCNNR2/026-20 | 1/8" | 20" | FT | 20 |
| Fitting, brake - 90 degree elbow (brass) | MSC169P | 1/8" NPT x 1/8" Compression | | EA | 7 |
| Fitting, brake - T (brass) | MSC164P | 1/8" | | EA | 1 |
| Master cylinder | MCMC-4 | | | EA | 2 |
| Reservoir, remote - brake fluid | MCR-100 | | | EA | 1 |

Airframe Group***Item Description******Part Number******Size******Length******UI******QTY***

| | | | | | |
|-------------------------------------|---------------|-----------------|--|----|---|
| Tire, Main | TIRT500X5-6AC | 5.00 x 5 | | EA | 2 |
| Tire, Nose Wheel | TIRT1145AC | 11x4.00-5 | | EA | 1 |
| Tube, Main Tire | TIRTU500X5 | | | EA | 2 |
| Tube, Nose Wheel | TIRTU1145L | 4.10 - 3.50 - 4 | | EA | 1 |
| Tubing, steel for nose wheel spacer | 9220K94 | 5/8" ID | | IN | 4 |
| Wheel, Main - w/Brake Assm. - XS | WHLWE51L | | | EA | 2 |
| Wheel, Nose | WHLNW50CC | 5" | | EA | 1 |