

BADLAND AIRCRAFT CUSTOMER INVENTORY LIST

Part #	Group	Part Name	Description	Qty	Check
12345	Airframe	Airframe	4130 Welded Airframe	1	
16240	Avionics	Airspeed Gauge	Hall Bros airspeed	1	
13234AS	Engine	Aluminum firewall	6061 T6 Pre-cut / pre-bent aluminum sheet	1	
70133	Flaperons	Flaperon trailing edge	Trailing edge (96"L or 108"L)	2	
70139Q	Flaperons	Flaperon rib .125 wood CUT OUT	3/16" CNC rib / leading edge notch	10	
70140Q	Flaperons	Flaperon rib deflection support bracket	Prebent / predrilled aluminum sheet	4	
70134ATQ	Flaperons	Flaperon leading edge	6061 T6 Aluminum tubing	2	
70136ATQ	Flaperons	Flaperon spar	6061 T6 Aluminum tubing	2	
70137Q	Flaperons	Flaperon foam ribs	Foam Ribs	38	
70138Q	Flaperons	Flaperon rib 3/16" CNC	3/16" CNC End rib	4	
B70109	Flaperons	Flaperon dropper upper mounts	Prebent Aluminum sheet	12	
B70110	Flaperons	Flaperon dropper lower mounts	Prebent Aluminum sheet	12	
B70124	Flaperons	Flaperon droppers *x4 Installed, x2 Supplied	CNC 6061 T6	6	
B70131	Flaperons	Flaperon push-pull fork end	Yoke end assembly 10-32	4	
B70140	Flaperons	Flaperon nylon bushings *x4 Installed x2 Supplied	7/8" nylon bushing	6	
HB70141	Flaperons	Flaperon attachment bolts	AN3-5A	12	
HB70142	Flaperons	Flaperon control arm bolts	AN3-10A	2	
HC70142	Flaperons	Cotter pins	MS24665-142 1/16 x 1/16 x 1-3/4	2	
HB70143	Flaperons	Flaperon push-pull cable locking bolt	AN3-12A	4	
HN136510	Flaperons	Flaperon nuts	AN365-1032A	20	
HP7310A	Flaperons	Flaperon bellcrank cable attach clevis pins	AN393-15 Clevis pin	2	
HP74162	Flaperons	Push-pull cable quick clips	AN416-2 Cowling Safety Pin	2	
HW196010	Flaperons	Flaperon washers	AN960-10	28	
HW196010L	Flaperons	Flaperon washers	AN960-10L	18	
RB7SPQ0-43	Flaperons	Dropper mount upper rivets	1/8" Blind structural rivet	36	
RB7SPQ1-46L	Flaperons	Dropper mount lower rivets	1/8" Blind structural rivet / Large head	24	
RB7SPQ-43Q	Flaperons	Flaperon deflection bracket rivets	1/8" Blind structural rivet	4	
S70116AS	Flaperons	Flaperon trim plates	6061 T6 Aluminum sheet	4	
S70118	Flaperons	Flaperon push-pull control cables (Left & Right)	A920 10-32 threaded end 12' 3" travel	2	
S70138	Flaperons	Flaperon control arm	CNC Machined 6061 T6 Aluminum	2	
S70139AL	Flaperons	Flaperon control arm threaded insert	CNC Machined 6061 T6 Aluminum	2	
S70140	Flaperons	Flaperon alignment tool	CNC Pattern	1	



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Part #	Group	Part Name	Description	Qty	Check
S70141	Flaperons	Flaperon control arm bolts	AN4-5A	2	
S70142	Flaperons	Flaperon control arm washers	AN970-3	2	
30050AT	Flight Controls	Control stick	6061 T6 Aluminum tubing 14"	1	
B30020	Flight Controls	Elevator control tube mid-ship bearing	Nylon bushing 3/4" ID	1	
B30031	Flight Controls	Flaperon bellcrank control tube rod end RH	Spherical rod end	1	
B30033	Flight Controls	Flaperon bellcrank control tube rod end LH	Spherical rod end	1	
B30044	Flight Controls	Rudder pedal return spring	11.5 lbs return spring	2	
B30045	Flight Controls	Rudder cable NICO press sleeve 3/32"	3/32" copper sleeve	4	
B30046	Flight Controls	Rudder cable thimbles 3/32"	3/32" Thimble	4	
B30047	Flight Controls	Rudder pedal cable tang	Stainless steel tang	2	
B30049	Flight Controls	Control stick bearing block	Machined nylon bearing block	1	
B30058	Flight Controls	Flaperon bellcrank control tube (Hex)	RH / LH female threaded hex tube	1	
B30060	Flight Controls	Elevator control tube end bearings	5/16-24 RH spherical rod end	1	
B30061	Flight Controls	Elevator control tube end bearings	5/16-24 LH spherical rod end	1	
B33210	Flight Controls	Flight control cable cotter pins	Cotter pin	6	
HB30075	Flight Controls	Control stick mounting bolt	AN4-20	1	
HB30079	Flight Controls	Control pivot mounting bolt	AN4-22	1	
HB30091	Flight Controls	Elevator linkage rod end bolt	AN4-10A	2	
HB30305	Flight Controls	Rudder cable attach bolts	AN3-5	2	
HB30312	Flight Controls	Control stick mounting bolt	AN4-12A	1	
HB30322	Flight Controls	Control stick bearing block mounting bolts	AN3-22A	2	
HB30410	Flight Controls	Flaperon bellcrank control tube rod end bolt forward	AN4-10A	1	
HB3510A	Flight Controls	Elevator control tube rod end bolt	AN5-10A	2	
HN2.36504	Flight Controls	Flight controls nuts	AN365-428A	9	
HN236504	Flight Controls	Elevator linkage rod end nut	AN345-428	2	
HN236510	Flight Controls	Control stick bearing block anchor nuts	AN365-1032A	2	
HW296004	Flight Controls	Flight control washers	AN960-416	19	
HW296010L	Flight Controls	Control stick bearing block anchor washers	AN960-10L	4	
HW96004L	Flight Controls	Elevator linkage rod end washers	AN960-416L	4	
RB2SPQ-42	Flight Controls	Elevator control tube rivets	1/8" Blind structural rivet	16	
S30030	Flight Controls	Rudder cable fairlead assy	Fairlead assy	6	
S30046	Flight Controls	Rudder cable	27' cable	27	



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Part #	Group	Part Name	Description	Qty	Check
S30048AL	Flight Controls	Control stick pivot	6061 T6 CNC Aluminum	1	
S30051	Flight Controls	Control stick grip	Leather wrapped	1	
S30055	Flight Controls	Elevator reverser	Elevator reverser link	1	
S30059AS	Flight Controls	Elevator pushrod tube	6061 T6 Aluminum tubing	1	
S30062AL	Flight Controls	Elevator control tube threaded insert RH	CNC Threaded tube insert	1	
S30063AL	Flight Controls	Elevator control tube threaded insert LH	CNC Threaded tube insert	1	
S30070AL	Flight Controls	Flap handle cable pivots	6061 CNC	2	
S30085	Flight Controls	Flap handle nylon slider	12" Nylon rod	1	
S30086	Flight Controls	Flap handle Spring	1in spring	1	
S30087	Flight Controls	Flap handle roll pin	Steel roll pin	1	
S30093	Flight Controls	Elevator linkage rod end bearings (RH thread)	1/4-28 RH spherical rod end	2	
S30099	Flight Controls	Throttle lever	Assembly	1	
S30100	Flight Controls	Control pivot	Weldment	1	
S32005	Flight Controls	Flaperon bellcrank bushing	5" tube bushing	1	
S32202	Flight Controls	Flap handle bushings	2" tube bushing	2	
S32234	Flight Controls	Elevator reverser bushing	2-3/4" tube bushing	1	
S32312	Flight Controls	Brake pedal bushings	3-1/2" tube bushing	2	
S32314	Flight Controls	Flap handle pivot bushing	3 7/16" tube bushing	1	
S32378	Flight Controls	Rudder pedal bushings	3 7/8" tube bushing	2	
W30091	Flight Controls	Elevator linkage rod (bent (under seat))	Pre-bent weldment tube 26"	1	
WS30035	Flight Controls	Rudder pedals	Weldment	2	
WS30039	Flight Controls	Brake pedals	Weldment	2	
WS30052	Flight Controls	Flaperon bellcrank	Weldment	1	



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Part #	Group	Part Name	Description	Qty	Check
WS30084	Flight Controls	Flap handle	Weldment	1	
50093	Fuel System	Fuel cell (5 Gal)	5 Gal fuel cell	1	
B50092	Fuel System	Fuel tank Adel clamps	AN742-D8 Plain 1/2"	4	
B50099	Fuel System	Fuel bulkhead kit (2 pc)	Rubber fuel tank bushing & 90deg fitting	1	
HB50098	Fuel System	Fuel tank mount bolts	AN3-5A	6	
HN336510	Fuel System	Fuel tank mount nuts	AN365-1032A	6	
HW396010	Fuel System	Fuel tank mount washers	AN960-10	8	
HW97010	Fuel System	Fuel tank mount washers	AN970-3	4	
S50097	Fuel System	Fuel tank mount straps prebent	Pre-bent Aluminum Strap	2	
S50101AL	Fuel System	Fuel tank mount straps straight	Aluminum Angle 3/4"	2	
B81163	Jury Struts	Jury strut clamps	1" cushioned pipe clamp	4	
HB81170	Jury Struts	Jury strut bolts	AN3-5A	12	
HBS81164	Jury Struts	Jury strut mount brkt	Stainless angle bracket	4	
HN436510	Jury Struts	Jury strut nuts	AN365-1032A	12	
HW496010L	Jury Struts	Jury strut washers	AN960-10L	20	
RB4SPQ-43	Jury Struts	Jury strut rivets	1/8" Blind structural rivet	8	



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Part #	Group	Part Name	Description	Qty	Check
S81162AT	Jury Struts	Jury strut	Aluminum tubing x3 LH / x3 RH	6	
90181	Landing Gear	Wheels / Per ordered	Azusalite 6" Nylon	2	
90182	Landing Gear	Wheel lug bolts / per ordered	Azusalite lug bolts	6	
90183	Landing Gear	Tires / per ordered -Tubes if req'd	15x6.00-6 Lamb experimental	4	
B90219	Landing Gear	Left & Right main gear axle washers	Axle washers	2	
B93208	Landing Gear	Landing gear cotter pins	Cotter pin	8	
HB31009	Landing Gear	Cabane mounting bolts	AN4-22A	2	
HB90177	Landing Gear	Spring gear pin bolt	AN4-20A	2	
HB90201	Landing Gear	Disc brake caliper bracket bolts	AN3-6A	4	
HB90204	Landing Gear	Axle shaft pin bolt	AN3-12A	2	
HB90207	Landing Gear	Landing gear mount bolts	AN4-22	4	
HB90211	Landing Gear	Gear strut mount bolts (spring gear)	AN4-13	4	
HN.36503	Landing Gear	Axle shaft pin nuts	AN365-1032A	2	
HN36504	Landing Gear	Cabane mounting nuts	AN365-428A	2	
HN5.31004	Landing Gear	Spring gear mounting nuts	AN310-4	4	
HN531004	Landing Gear	Landing gear mount nuts	AN310-4	4	
HN90196	Landing Gear	Main gear axle nuts	Axle Nut	2	
HN90202	Landing Gear	Disc brake caliper bracket nuts	AN365-1032A	4	
HW596010L	Landing Gear	Caliper bracket washers	AN960-10L	12	
HW96004	Landing Gear	Landing gear washers	AN960-416	24	
RBSPQ-42	Landing Gear	Brake and rudder pedal bushing rivets	1/8" Blind structural rivet	8	
S90180	Landing Gear	Wheel hubs	CNC 3 lug	2	
S90200	Landing Gear	Disc brake rotors	160mm rotors	2	
S90201	Landing Gear	Disc brake bracket	CNC Aluminum plate	2	
S90202	Landing Gear	Disc brake cable	1/16" Cable 10ft	1	
S90203	Landing Gear	Disc brake cable sheath	5mm cable sheeth	1	
S90204	Landing Gear	Disc brake caliper	HB-100 caliper F180/R160 brkt	1	
W90202	Landing Gear	Left main gear arm	4130 Alloy steel assembly weldment	1	
W90203	Landing Gear	Right main gear arm	4130 Alloy steel assembly weldment	1	
W90211	Landing Gear	Cabane	4130 Alloy steel assembly weldment	1	



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Part #	Group	Part Name	Description	Qty	Check
W90213	Landing Gear	Cabane struts assembly	Spring gear assembly	2	
80145AT	Lift Struts	Left & Right / front & rear lift struts	Aluminum Tubes (Frt 85-5/16" * Rear 81-3/8")	4	
B80150	Lift Struts	Lower strut attachment rod ends	7/16-20 RH spherical rod end	2	
B80154	Lift Struts	Lift strut fitting upper rod end bearings	5/16-24 RH spherical rod end	4	
B83285	Lift Struts	Lower lift strut cotter pin	Cotter pin	2	
HB80152	Lift Struts	Lower strut attachment bolts	AN7-13	2	
HB80159	Lift Struts	Upper lift strut bolts	AN5-16A	4	
HN31007	Lift Struts	Lower lift strut castle nuts	AN310-7	2	
HN36505	Lift Struts	Upper lift strut nuts	AN365-524A	4	
HW696005	Lift Struts	Lift strut bolt spacers / washers	AN960-516	28	
HW96007	Lift Struts	Lower lift strut washers	AN960-716	4	
RB8CCPQ-43	Lift Struts	Lift strut fitting instert rivets	1/8" Blind structural rivet	64	
RB8SPQ-43	Lift Struts	Lift Strut attachment bracket rivets	1/8" Blind Structural rivet	120	
S80104	Lift Struts	Lift strut attachment upper front	4130 Chromoly Fitting Pre-Drilled	2	
S80105	Lift Struts	Lift strut attachment upper rear	4130 Chromoly Fitting Pre-Drilled	2	
S80106	Lift Struts	Lift strut attachment lower left	CNC machined 6061 T6 Aluminum	1	
S80107	Lift Struts	Lift strut attachment lower right	CNC machined 6061 T6 Aluminum	1	
S80149AL	Lift Struts	Lift strut fitting inserts	Upper aluminum threaded inserts	4	
HB12230	Safety Belts	3 Point safety harness bolts	AN7-10A	3	
HN12232	Safety Belts	3 Point safety harness nuts	AN365-720A	3	
HW19607	Safety Belts	3 Point safety harness washers	AN960-716	9	
S12233	Safety Belts	3 Point saftey harness	Assembly	1	
RB4SPQ0-42	Seating	Floor rivets	1/8" Blind Structural rivet	6	
RB4SPQ-42	Seating	Aluminum seat rivets	1/8" Blind Structural rivet	30	
S40090	Seating	Aluminum seat (pattern)	6061 T6 aluminum sheet	2	
S40092	Seating	Aluminum floor pan	6061 T6 aluminum sheet	1	



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Part #	Group	Part Name	Description	Qty	Check
B10005	Tail Feathers	Fly wire cable thimbles 1/16"	Cable thimbles	14	
B10006	Tail Feathers	Fly wire NICO press sleeves 1/16"	Zinc coated copper swage	14	
B10027	Tail Feathers	Fly wire cable tangs	Stainless steel tang	14	
B13134	Tail Feathers	Rudder & elevator clevis cotter pins	Cotter pin	5	
HB10008	Tail Feathers	Horizontal stabilizer Front attach bolt	AN3-10A	1	
HB10011	Tail Feathers	Horizontal stabilizer Rear attach bolt	AN3-4A	1	
HB10014	Tail Feathers	Horizontal stabilizer cable mount bolt	AN3-12A	4	
HB10017	Tail Feathers	Vertical stabilizer cable mount bolt	AN3-14A	2	
HB10034	Tail Feathers	Horizontal stabilizer lower cable mount bolt	AN3-4A	2	
HN31010	Tail Feathers	Rudder cable mounting nuts	AN310-3	4	
HN836510	Tail Feathers	Horizontal stabilizer nuts	AN365-1032A	12	
HP10028	Tail Feathers	Rudder clevis pins	AN393 Clevis pin	2	
HP10029	Tail Feathers	Elevator clevis pins	AN393 Clevis pin	3	
HW896010	Tail Feathers	Rudder cable mounting washers	AN960-10	4	
HW896010L	Tail Feathers	Horizontal stabilizer tail feather washers	AN960-10L	20	
S10004	Tail Feathers	Fly wires galvanized stainless cable	Stainless Steel Cable	28	
W10003	Tail Feathers	Horizontal stabilizer	4130 Alloy steel weldment	1	
W10004	Tail Feathers	Elevator	4130 Alloy steel weldment	1	
W10005	Tail Feathers	Rudder	4130 Alloy steel weldment	1	
B90193	Tail Wheel	Tail wheel chain	1' light weight chain	1	
B90202	Tail Wheel	Tail wheel springs steerable	11.5 lbs return spring	2	
B93210	Tail Wheel	Tail wheel clevis cotter pin	Cotter pin	1	
HB90185	Tail Wheel	Tail wheel pivot bolt	AN5-20	1	
HB90189	Tail Wheel	Tail wheel axle bolt	AN5-20	1	
HB90192	Tail Wheel	Tail wheel spring mount bolts	AN3-12A	2	
HN36503	Tail Wheel	Tail wheel spring mount nut	AN365-1032A	2	
HN931005	Tail Wheel	Tail wheel castle nut, pivot and axle	AN310-5	2	
HW996010	Tail Wheel	Tail wheel washers	AN960-10	6	
S90184	Tail Wheel	Tail wheel spring	3pc Titanium / 4130 tail spring	1	
S90197	Tail Wheel	Tail wheel	110mm tiller wheel	1	
WS90196	Tail Wheel	Tail wheel tiller	Tail wheel tiller weldment	1	
WS90197	Tail Wheel	Tail wheel pivot	Tail spring pivot weldment	1	



BADLAND AIRCRAFT CUSTOMER INVENTORY LIST

Part #	Group	Part Name	Description	Qty	Check
11220	Windshield	Windshield w/pattern	Pre-cut Lexan .060"	1	
11224	Windshield	Rear windshield mount	6061 T6 Aluminum sheet	1	
11229	Windshield	Windshield mount rails LT & RT	Trailing Edge 15"	2	
HB11230	Windshield	Windshield mount bolts	AN3-5A	4	
HN936510	Windshield	Windshield mount nuts	AN365-1032A	4	
HS11231	Windshield	Windshield top screws	Stainless steel screw	20	
HW996010L	Windshield	Windshield mount washers	AN960-10L	8	
RB0SPS0-42	Windshield	Windshield rear mount rivets	1/8" Structural blind rivet	6	
RB0SQS-42	Windshield	Butt rib mount tab rivet	1/8" Blind structural rivet	4	
RBSPQ-46L	Windshield	Butt rib mount rivet	1/8" Blind structural rivet	4	
S11219	Windshield	Butt rib closeout Left	1/4" CNC Plywood	1	
S11221	Windshield	Butt rib closeout Right	1/4" CNC Plywood	1	
WH11232	Windshield	Butt rib mount tab	Weldment	4	



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Part #	Group	Part Name	Description	Qty	Check
60098ATQ	Wings	Wing Spar	6061 T6 Aluminum tubing	4	
60111Q	Wings	Wing ribs	1/4" CNC Plywood wing rib	14	
60112Q	Wings	False ribs	3/16" CNC Plywood false rib	36	
60114ATQ	Wings	False rib spar	6061 T6 Aluminum tubing	2	
60113	Wings	Trailing edge extension	Trailing Edge 48"	2	
60135	Wings	Trailing edge	Trailing Edge (full)	2	
60115Q	Wings	Cap strips	1/8" x 1" Capstrips	28	
60103ATQ	Wings	Sail / anti-sail tubes	6061 T6 Aluminum tubing	2	
B60102AT	Wings	Spar root reinforcements	6061 T6 radius root doubler	8	
B60108AL	Wings	Jury strut attachment	CNC 6061 T6 Machined Aluminum 1/2"	4	
B63210	Wings	Rear wing attachment cotter pin	Cotter pin	2	
B64162	Wings	Front wing attachment saftey pins	Cowling Safety Pin	2	
HB60125	Wings	Rear wing attachment bolts	AN5-32	2	
HB60134	Wings	Flaperon cable bracket bolt	AN3-14A	4	
HN31005	Wings	Rear wing attachment castle nut	AN310-5	2	
HN36510	Wings	Flaperon cable bracket nut	AN365-1032A	4	
HP60129	Wings	Front wing attachment clevis pins	AN395 clevis pins	2	
HW96005	Wings	Rear wing attachment washers	AN960-516	4	
HW96010L	Wings	Flaperon cable bracket washer	AN960-10L	8	
RA6APS-41	Wings	Trailing edge rivets	1/8" Aluminum Body/Mandrel rivet	28	
RB6SPQ0-43C	Wings	Sail / anti-sail tube rivets	1/8" Structural blind rivet	24	
RB6SPQ-43	Wings	Spar root reinforcement rivets	1/8" Structural blind rivet	32	
RB6SPQ-46LQ	Wings	Sail / anti-sail tube root/end rivets	1/8" Blind structural rivet / Large head	8	
S60131AL	Wings	Flaperon cable mount bracket Left & Right	CNC 6061 T6 Aluminum	2	

Total:

1394



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Your Parts Inventory List is a critical component in completing a successful build of your Badland Aircraft kit. The part numbers are categorized specifically for each build group and for each part as explained below. Though it's not recommended, one could build an entire kit from the list alone.

Each *Group* has a designation built into the part number. For example; *Part # B70109, Flaperon dropper upper mount* shares the "70" number all of the Flaperon group parts. Flight Controls carry the "30" designation, Fuel System is "50" and so on. Some of the smaller groups are combined for simplicity, but most are designated.

Respective rivets, washers and nuts all have the same part # throughout the list. The only difference is the *Group* it belongs to. For example; you'll find *Part # H96010, Rudder cable mounting washers* in the *Tail Feathers* group. It is the same part #, and even the same part as *H96010, Flaperon mount washers* in the *Flaperon* section. The *Group* is the designator. Rivets will also carry the same Part #'s throughout, but belong to a different group. Be sure to keep your *Groups* organized. Quantities are very important.

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Serial# _____ Date received: ___/___/___ Builder Info:

Name: _____

Address: _____

Contact Tel/Email: _____

