



Parts List: LS-1

Airframe Group

Item Description

Part Number Size

Length

UI

QTY

Canopy - LS1

Aluminum sheet, 6061 T6	1241-8	.050" x 1.5"	8"	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, UHMW	46314	.5" x 2"	2.75"	EA	1
Bracket, canopy support arm attach	ALC-0023			EA	4
Bracket, gas strut left	ALC-0021			EA	1
Bracket, gas strut right	ALC-0022			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
Tab, canopy centering	ALC-0024			EA	2
Washer, nylon flat	90295A173	3/8" ID - 1" OD		EA	3
Washer, nylon flat	90295A170	3/8" ID - 3/4" OD		EA	3

Cockpit - LS-1

Adapter, hose - vent	SV-2			EA	2
Bracket, upper - center fuel console	ALS-0021	.050"		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
Fuel console, center - precut	ALS-0020	.050		EA	1
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

Controls - LS1

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
Bracket, pedal support truss - bulkhead side	ALR-0039			EA	2
Bracket, pedal support truss - firewall side	ALR-0042			EA	2
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

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

Rod end ball joint	6072K21	1/4-28		EA	24
Rod end ball joint	6072K26	10-32		EA	2
Rod end ball joint	6072K22	5/16-24		EA	4
Spring, flute tube	9654K917			EA	2
Turnbuckle barrel	AN155-32S			EA	2

Fiberglass parts - LS1

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
Fuel Tank, Left - Removable Fiberglass	104-350	21 gallon		EA	1
Fuel Tank, Right - Removable Fiberglass	104-450	20 gallon		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, large - (lower cowl)	104-122			EA	1
NACA scoop, large outlet - (lower cowl)	104-123			EA	1
NACA scoop, oil cooler - large part	104-124-1			EA	1
NACA scoop, oil cooler - small part	104-124-2			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 - aileron	03-36375	.875 x .035 wall		FT	20
Tube, alum - elevator	03-37400	1.25 x .065 wall		FT	10
Weather strip, canopy	104-104-3		16'	FT	16
Wheel pant, main LSA - Left/Right	104-127			EA	2
Wheel pant, nose LSA - front half	104-128			EA	1
Wheel pant, nose LSA rear half	104-129			EA	1
Wing tip, sport - L	104-212			EA	1
Wing tip, sport - R	104-213			EA	1
Wing, Left - No Tank	104-333			EA	1
Wing, Right - No Tank	104-433			EA	1

Firewall forward - LS1

Air Box	JU39-L			EA	1
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Item Description	Part Number	Size	Length	UI	QTY
Air Filter	33-2008-1			EA	1
Back plate, motor mount	ALM-0012			EA	4
Baffle, oil pan - main	ALM-0020			EA	1
Baffle, oil pan - top	ALM-0021			EA	1
Battery	PC625			EA	1
Bolt, undrilled - AN3-5A	AN3-5A			EA	1
Cable End Adjuster - Choke, Brass	JU301-1	1/4"		EA	1
Cable End Adjuster - Throttle, Silver	JU333	5/16"		EA	1
Cable End Nut	CE1	3/16" D, 1/4" L		EA	1
Cable End Nut	CE3	1/4" D, 1/8" L		EA	1
Cable End Nut	CE4	3/16" D, 1/8" L		EA	2
Cable, Choke	731-1112		5'	EA	3
Cable, throttle	05-09448		48"	EA	1
Clamp, Hose - Cabin/Carb Heat	5415K74	4-1/8" - 7"		EA	4
Clamp, Hose - Fuel Line 3/8"	5388K18	9/16" - 1-1/16"		EA	3
Clamp, hose - SCAT Hose	5388K34	1 15/16" - 2 1/2" ID	5/16" bw	EA	11
Clamp, Rubber Cushion	3225T2	1/4"		EA	1
Cowl, lower	104-111			EA	1
Cowl, upper	104-109			EA	1
Flange, Cabin Heat	10350-8	2"		EA	2
Flange, Carb Heat	10350-9	2.25"		EA	1
Foam, Adhesive Back	93565K66	1" x 15"		EA	1
Hinge, piano - aluminum (MS20257P3)	03-00049-6	1-1/16" open .040 thick		IN	6
Hose, Rubber Oil	5645K18	1/2"		FT	5
Hose, Scat	05-29908	2"		FT	5
Hose, Scat	05-29909	2.25"		FT	5
Mixer Box, Cabin Heat	DL-003			EA	1
Motor mount for Jabiru 3300	ALM-0010			EA	1
Muff, Cabin Heat Blank	ALM-0041-1			EA	1
Muff, Carb Heat Blank	ALM-0040			EA	1
Muff, End Cap Cabin Heat	ALM-0041-2			EA	2
NACA Scoop	SV-1			EA	1
Nutplate Miniture	MK1000-3	10-32		EA	1
Oil Bottle	08-07219	5/8" Hose Barb		EA	1
Rivet, Blind	97525A420	1/8"		EA	40
Tab, mounting - air ducts	JU64			EA	6
Throttle extension kit	JU330			EA	1
Tubing, Aluminum	8978K14	1/2" OD	3"	EA	1
Washer, std	AN960-10			EA	1

Fuel system - LS1

Clamp, hose - Fuel Line 1/4"	5388K14	7/32" - 5/8"		BX	3
Filter, Fuel (NAPA equiv for FRM G-1)	3001	1/4"		EA	2
Firesleeve - high temp silicon	6172T13	1/2" ID		FT	3
Fitting, hose brass	5346K122	1/4 NPT female - 1/4 barb 90		EA	2
Fitting, hose brass	53525K12	1/4 NPT to 1/4 barb 90		EA	4
Fitting, hose brass	53525K11	1/8 NPT - 1/4 barb 90		EA	2

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Item Description	Part Number	Size	Length	UI	QTY
Fitting, Nipple Fully Threaded	4568K131	1/4" NPT	7/8"	EA	2
Flange, Threaded #2 for Fuel Tanks	05-01056			EA	2
Fuel cap, w/keys	A30L-CIR			EA	2
Fuel Pump, electric	40105			EA	1
Gascolator	05-00632			EA	1
Hose, rubber fuel line	54605K32	1/4" ID		FT	12
Plug, hex socket brass - (for gascolator)	50785K113	1/4" NPT		EA	1
Plug, hex socket brass - (for gascolator)	50785K112	1/8" 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
Tubing, clear PVC for fuel pump overflow	5233K53	3/16 ID x 1/16 wall		FT	3
Valve, Check Fuel	05-00718			EA	2
Valve, Fuel	H7309			EA	1

Metal parts kit - LS1

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, outboard - wheel pant	ALG-0015			EA	2
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 - LSA	ALS-0011LSA			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
Gear leg, main	ALG-0010			EA	1
Gear leg, main - LSA	ALG-0010LSA			EA	2
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 end (cone)	ALE-0025	1.25" x 5/16" - 24		EA	2
Push rod end (cone)	ALA-0075	7/8" x 1/4" - 28		EA	4
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

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Item Description

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Shim, spar	ALW-0071			EA	12
Socket, lower gear - left LSA	ALG-0011LLSA			EA	1
Socket, lower gear - right LSA	ALG-0011RLSA			EA	1
Socket, Nose Gear	ALG-0024			EA	1
Socket, Nose Gear	ALG-0024			EA	2
Torque tube, flap	ALS-0012			EA	1
Torsional support - left LSA	ALS-0013LSA			EA	1
Torsional support - right LSA	ALS-0014LSA			EA	1
Vent, Wing Tip	ALW-0070			EA	3
Washer, Lower Nose Fork	ALG-0033			EA	1

Metal stock - LS1

Channel, Support Flute Tube - Precut, Predrilled	ALR-0037			EA	2
Channel, Support Truss Rudder Pedal	ALR-0036			EA	2
Firewall, Lightning - pre-cut, pre-drilled	ALS-0001	304 - 0.030 #2 Finish	Stainless steel	EA	1
Flute tube, pre-drilled	ALR-0038	.060 wall		EA	2
Hinge, Piano - Steel	1582A16		3'	EA	1
Tube, alum - rudder pedal support	03-36800	1.0 x .065 wall		FT	3

Misc hardware - LS1

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	97525A425	1/8"	.4"	EA	25
Rivet, blind - alum dome	97525A440	1/8"	.376 - .500 grip	EA	30
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
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

Oil cooler - LS1

Aluminum sheet, 6061 T6	1241-9	5" x .050"	9"	EA	1
Angle, aluminum 6061-T6	971-5	1" x 1" x .125"	5"	EA	1
Fitting, oil line AN-6 - 90 elbow	050-FCM-4032			EA	1
Fitting, oil line AN-6 straight	050-FCM-1012			EA	3
Fitting, oil line AN-6 to 1/8 NPT straight	050-FCM-2003			EA	2
Fitting, oil line AN-6 to 3/8 NPT - 45	888-982366			EA	2
Hinge, piano - aluminum (MS20257P3)	03-00049-6	1-1/16" open .040 thick		IN	15
Hinge, piano - aluminum (MS20257P3)	03-00049-6	1-1/16" open .040 thick		IN	4
Oil cooler, 7 row - 3/8" NPT fittings	8000075			EA	1

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Item Description	Part Number	Size	Length	UI	QTY
Oil line, braided	050-FBA-0600			FT	4
<u>Pitot/Static - LS1</u>					
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
<u>Trim system - LS1</u>					
Control horn, elevator trim tab	ALE-0032			EA	1
Hinge, piano - aluminum (MS20257P3)	03-00049-6	1-1/16" open .040 thick		IN	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
<u>Wheels/Brakes - LS1</u>					
Axel assembly, main - Left	WHLAXLE19-L	.75		EA	1
Axel assembly, main - Right	WHLAXLE19-R	0.75		EA	1
Brake line	MSCNNR2/026	1/8"		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
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 block spacer	9220K34	1/4" ID		IN	4
Tubing, steel for nose wheel spacer	9220K94	5/8" ID		IN	4
Wheel, Main - w/Brake Assm.	WHLW51cc.75			EA	2
Wheel, Nose	WHLNW50CC	5"		EA	1