

MODEL AIRWAYS



MODEL AIRWAYS
A Division Of Model Expo, Inc.
Hollywood, FL

ALBATROS D.Va

No. MA1001

PARTS LIST

Note: This parts list describes the parts supplied in the kit. Parts lists are also included in the instruction manual, and part numbers shown on sketches and plans. The WP part numbers herein are Model Expo stock numbers. These do not appear in the instructions and on plans. However, the specific part numbers related to these are listed below the WP numbers.

BRITANNIA METAL CASTINGS

PART #	ITEM	QUANTITY	NOTES	PART #	ITEM	QUANTITY	NOTES
A002	Bearing	2		C036	Hand grips	1	
A003	Joint	4		C037	Throttle	1	
A004	Landing gear struts	2		C038	Control column fork	2	
A006	Spreader bar sleeve		See A016	C039	Sleeves	2	Half sleeve
A010	Turnbuckles		See W042	C040/41	Locking arm & handle	1	Includes metal insert
A011	External wheel disk	2		C042	Rudder bar support	1	
A012	Internal wheel disks	2		C043	Air pressure line	1	
A014	Wheel locks	2		C046	Rudder bar crank	1	
A015	"V" strut flanges	2		C048	Aileron control crank	1	
A016	False nuts	42		C049	Bearings		See A016/A017
A017	False screws	17		C050	Pulley support	2	
A018	"N" wing struts	2		C054	Starting magneto	1	
A019	"V" wing struts	4		C055	Crank for C054	1	
A021,23,26, 28-32	Turnbuckles		See W042	C056	Spark control	2	
A048	Air speed indicator	1		C057	Auxiliary throttle handle	1	
C002	Oil tank end caps	2		C058	Magneto switch	1	
C003	Fuel tank body	1		C059	Air pump	1	
C005	Fuel tank joint	1		C060	Fuel level gauge	1	
C006	Oil and fuel tank taps	2		C061	Compass	1	
C007	Fuel tank pressure tap	1		C062	Greaser	1	
C008	Fuel tank drain tap	1		C063	Mounting cross seat		See A016
C009	Live ammo box body	1		F019	Bayonet connection	2	
C011	Used cartridge box body	1		F054	Elevator	1	
C013	Gun unloading channels	2		F055	Elevator cranks	2	
C015	Rear gun sections	2		F058	Rudder	1	
C016	Gun barrels	2		F059	Rudder crank	1	
C017	Gun caps	2		F062	Tail skid attachment	1	
C018	Gun fire extinguishers	2		F063	Tail skid	1	
C019	Rear gun support	1		F065	Pivot for tail skid		See A016/017
C020	Nuts		See A016				See W042
C021	Front gun support	1		F067	Turnbuckles		
C022	Tachometer	1		M001	Upper block	1	
C023	Pressure gauge	1		M002	False screws		See A017
C024	Fuel valves	4		M003	False Nuts		See A016
C025	Fuel indicators	4		MM			
C026	Fuel valve handles	4		M004	Shaft support	1	
C027	Fuel filter	1		M005	Lower block	1	
C028	Rod		See A017	M006	Propeller Shaft	1	
C029	Lower bar control support	2		M007	Propeller flange	2	
C030	Lower bar control	1	Includes metal insert	M008	Cylinders	6	
C031	Fore pulley support	2		M009	Shaft rear flange	1	
C032	Double pulley	1		M010	Stirrups	14	
C033	Aft pulley supports	2		M011	Carburetor	1	
C034	Double pulley	1		M012	Two barrel carb	1	
C035	Control column	1	Includes metal insert	M013	Sleeves	10	
				M014	Base box	6	
				M015	Rocker boxes	6	
				M018	Front box	1	

M019	Rear cover	1		R01	Connection	See M027
M020	Oil pump	1		R02	False tube	See M027
M021	Water pump filter	1		R03	Connection	See M027
M022	Water pump	1		R04	False tube	See M027
M023	Rear bracket	1		R05	Support	1
M024	Transmission	1		R06	Handle	See C056
M025	Vents	2		R07	Sleeve	See M013
M026	Tube	1		W040	Attachment brackets	8
M027	Cylinder pump tube	1	2.5 mm x 60 mm rod	W041	Attachment struts	8
M028	Sleeves		See M013	W042	Turnbuckles	12
M029	Magnetos	2		W047	Right aileron	1
M030	Spark plugs	12	Supplied with cable	W048	Left aileron	1
M034	Induction pipes	2		W086	Compression bars	6
M035	Induction pipes	2		W088	Attachment struts	2
M036	Exhaust manifold	1		W089	Pulley supports	2
M037	Sleeves	8		W092	Guides	4
M038	Tube	1	2 mm x 30 mm rod	W095	Double pulleys	2
M040	Sleeve	2		RUBBER CASTINGS		
M042	Sleeves		See M037	A013	Tires	2
R00	Radiator	1 kit	3 castings			

LASER CUT WOOD PARTS

Note: All laser cut wood in the kit is Basswood or Limewood (European Basswood), and Birch plywood unless otherwise noted.

C051	Seat bottom	1	1 mm (3/64") thick
C052	Seat back	1	1 mm (3/64") thick
F001-014	Fuselage bulkheads	14	1.5 mm (1/16") thick
F015	False bulkhead	1	1.5 mm (1/16") thick
F016	False bulkhead	1	1.5 mm (1/16") thick
F017	Frame on F005	1	1.5 mm (1/16") thick
F028	Rib center section	2	1.5 mm (1/16") thick
F030	Engine ledges	2	1.5 mm (1/16") thick
F032	Cockpit floor	1	1.5 mm (1/16") thick
F037	Stabilizer attachment ribs	2	1.5 mm (1/16") thick
F042	Valve support panel	1	1.5 mm (1/16") thick
F043	Panel bottom bracket	1	1.5 mm (1/16") thick
F044	Long stabilizer ribs	2	1 mm (3/64") thick
F045	Medium stabilizer ribs	2	1 mm (3/64") thick
F046	Short stabilizer ribs	2	1 mm (3/64") thick
F047	Front longeron ribs	2	1 mm (3/64") thick
F048	Rear longeron ribs	2	1 mm (3/64") thick
M032	Propeller	1	
W001-W027	Upper wing ribs	27	1 mm (3/64") thick
W051-76	Lower wing ribs	28	1 mm (3/64") thick
	Fuselage building jig	15	4 mm (5/32") thick
	Fuselage support stands	5	4 mm (5/32") thick

WOOD STRIPS

Note: All wood strips are basswood or limewood (European basswood). The following sizes and quantities are provided in the kit for the specific parts with part numbers listed below and in the instruction manual and on plans. Cut to length as required for specific parts.

WP3688-24	0.021" x 5/64" x 24" (0.5 x 2 x 610 mm)	35	WP3636-24	5/64" x 1/8" x 24" (2 x 3 x 610 mm)	3
WP3680-24	3/64" x 3/64" x 24" (1 x 1 x 610 mm)	2	WP3655-24	3/32" x 5/32" x 24" (2.5 x 4 x 610 mm)	1
WP3617-24	3/64" x 5/32" x 24" (1 x 4 x 610 mm)	2	WP3682-24	1/8" x 5/32" x 24" (3 x 4 x 610 mm)	1
WP3687-24	3/64" x 3/16" x 24" (1 x 5 x 610 mm)	2	WP3633-24	1/8" x 3/16" x 24" (3 x 5 x 610 mm)	3
WP3618-24	1/16" x 1/16" x 24" (1.5 x 1.5 x 610 mm)	7	WP3671-24	5/32" x 3/16" x 24" (4 x 4.8 x 610 mm)	1
WP3619-24	1/16" x 3/32" x 24" (1.5 x 2.5 x 610 mm)	2	WP3640-24	3/16" x 3/16" x 24" (5 x 5 x 610 mm)	1
WP3620-24	1/16" x 1/8" x 24" (1.5 x 3 x 610 mm)	2	WP3637-24	7/8" x 1" x 24" (7 x 14 x 610 mm)	2
WP3673-24	5/64" x 5/64" x 24" (2 x 2 x 610 mm)	2			

<u>Specific Part List</u>			<u>Size</u>	<u>Specific Part List</u>			<u>Size</u>
C014	Ammo box support strips	1.5 x 1.5 mm	(1/16 x 1/16")	W030	Leading edge	5 x 5 mm	(3/16 x 3/16")
F018	Strips on F005	1 x 1 mm	(3/64 x 3/64")	W031	Front spar	3 x 5 mm	(1/8 x 3/16")
F020	Strips on F008/F010	1 x 1 mm	(3/64 x 3/64")	W032	Rear spar	3 x 5 mm	(1/8 x 3/16")
F022	Main side longerons	2 x 2 mm	(5/64 x 5/64")	W033	False spar	1.5 x 2.5 mm	(1/16 x 3/32")
F023	Upper longeron	1.5 x 1.5 mm	(1/16 x 1/16")	W034	Spars for aileron	3 x 4 mm	(1/8 x 5/32")
F024	Upper side longerons	1.5 x 1.5 mm	(1/16 x 1/16")	W035	Wing tips (laminated)	1 x 5 mm	(3/64 x 3/16")
F026	Lower side longerons	1.5 x 1.5 mm	(1/16 x 1/16")	W036	Center trailing edge(lam.)	1 x 5 mm	(3/64 x 3/16")
F027	Lower longeron	1.5 x 3 mm	(1/16 x 1/8")	W044	Strengthening pieces	1.5 x 2.5 mm	(1/16 x 3/32")
F029	Engine bearer	3 x 4 mm	(1/8 x 5/32")	W045	Strengthening pieces	0.5 x 2 mm	(0.021 x 5/64")
F034	Fin leading edge (lam.)	1 x 4 mm	(3/64" x 5/32")	W050	Retainers at aileron hinge	1.5 x 2.5 mm	(1/16 x 3/32")
F035	Fin top strip	1.5 x 3 mm	(1/16 x 1/8")	W077	Rib stiffeners	0.5 x 2 mm	(0.021 x 5/64")
F036	Fin rib strips	0.5 x 2 mm	(0.021 x 5/64")	W078	Cap strips	0.5 x 2 mm	(0.021 x 5/64")
F041	Lower fin strips	1.5 x 1.5 mm	(1/16 x 1/16")	W079	Leading edges	2.5 x 4 mm	(3/32 x 5/32")
F049	Leading edges(laminated)	1 x 4 mm	(3/64 x 5/32")	W080	Front spars	2 x 3 mm	(5/64 x 1/8")
F050	Corner strips/fuel tank support	1.5 x 3 mm	(1/16 x 1/8")	W081	Main spars	4 x 5 mm	(5/32" x 3/16")
F051	Rear elevator longeron	3 x 3.5 mm	(1/8 x 5/32")	W082	Rear spars	2 x 3 mm	(5/64 x 1/8")
F052	Guide	1.5 x 3 mm	(1/16 x 1/8")	W083	Wing tips(laminated)	1 x 5 mm	(3/64 x 3/16")
F057	Cap strips	0.5 x 2 mm	(0.021 x 5/64")	W090	Strengthening pieces	2 x 3 mm	(5/64 x 1/8")
F061	Elevator joint strip	1.5 x 3 mm	(1/16 x 1/8")	W094	Strengthening pieces	0.5 x 2 mm	(0.021 x 5/64")
W028	Rib stiffeners	0.5 x 2 mm	(0.021 x 5/64")		Jig base strips	7 x 14 mm	(1/4 x fi")
W029	Cap strips	0.5 x 2 mm	(0.021 x 5/64")				

WOOD SHEET

Note: All wood sheets are basswood or limewood (European basswood) unless otherwise noted. The following sizes and quantities are provided in the kit for the specific parts with part numbers listed below and in the instruction manual and on plans. Cut as required for specific parts.

WP4603-24	3/64" x 2" x 4" (1 x 51 x 102 mm)	1
WP4606-24	1/16" x 2" x 4" (1.5 x 51 x 102 mm)	1

<u>Specific Part List</u>	<u>Size</u>
F021	Stiffening 1 mm (3/64") thick
F025	Stiffening 1.5 mm (1/16") thick
F031	Fin stiffening 1 mm (3/64") thick
F053	Strengthening pieces 1 mm (3/64") thick
F060	Magneto switch panel 1.5 mm (1/16") thick
W046	Strengthening pieces 1 mm (3/64") thick
W091	Strengthening pieces 1 mm (3/64") thick

BRASS, COPPER, AND STEEL ROD AND WIRE

Note: The following sizes and quantities are provided in the kit for the specific parts with part numbers listed below and in the instruction manual and on plans. Cut to length as required for specific parts.

WP40243SEC	0.021" x 6" (0.5 x 152 mm) copper wire	1
WP40223SEC	0.025" (0.64 mm) copper wire	3 ft (914 mm)
WP40242SEC	0.025" (0.64 mm) steel wire	3 ft (914 mm)
WP40224SEC	1/32" (0.8 x mm) brass wire	1 ft (305 mm)
WP161K-12	3/64" x 12" (1 x 305 mm) brass rod	1
WP162K-12	1/16" x 12" (1.5 x 305 mm) brass rod	1
WP40264	5/64" x 12" (2 x 305 mm) brass rod	1
WP498-36	0.015" x 12" (0.4 x 305 mm) steel rod	3
WP502-36	3/64" x 6" (1 x 152 mm) steel rod	1

<u>Specific Part List</u>	<u>Size</u>	<u>Specific Part List (cont.)</u>	<u>Size</u>
A038	Tube 0.64 mm (0.025") dia. copper wire	M031	Tubes 1 mm (3/64") dia. brass rod
A039	Tube 0.64 mm (0.025") dia. copper wire	C065	Seat cross rods 1.5 mm (1/16") dia. brass rod
A040	Tube 0.64 mm (0.025") dia. copper wire	F033	Seat rails 1.5 mm (1/16") dia. brass rod
A041	Tube 0.64 mm (0.025") dia. copper wire	F038/40	Stabilizer attachment rods 1.5 mm (1/16") dia. brass rod
A042	Flex wire 0.64 mm (0.025") dia. steel wire	F039	Stabilizer attachment rod 2 mm (5/64") dia. brass rod
A043	Flex wire 0.64 mm (0.025") dia. steel wire	A007	Spreader bar 1 mm (3/64") dia. steel rod
A044	Tube 0.64 mm (0.025") dia. copper wire	W037	Trailing edge 0.4 mm (0.015") dia. steel rod
A045	Tube 0.64 mm (0.025") dia. copper wire	W084	Trailing edges 0.4 mm (0.015") dia. steel rod
A046	Flex wire 0.64 mm (0.025") dia. steel wire	A037	Spring
A047	Flex wire 0.64 mm (0.025") dia. steel wire	C044	Rudder Bar
M041	Magneto cable 0.5 mm (0.021") dia. copper wire		
C047	Foot arrest 0.8 mm (1/32") dia. brass wire		

ALUMINUM TUBING

Note: The following sizes and quantities are provided in the kit for the specific parts with part numbers listed below and in the instruction manual and on plans. Cut to length as required for specific parts.

WP100K-12	1/16" x 12" (1.5 x 203 mm)	2
WP101K-12	3/32" x 12" (2.5 x 203 mm)	2
WP102K-12	1/8" x 4" (3 x 76 mm)	1
WP103K-12	5/32" x 6" (4 x 127 mm)	1
WP115K-12	5/16" x 3" (8 x 79 mm)	1

Specific Part List

		<u>Size</u>
A001	Axle	4 mm
(5/32") dia.		
A005	Landing gear strut sleeves	2.5 mm
(3/32") dia.		
C001	Oil tank body	8 mm
(5/16") dia.		
M017	Camshaft	2.5 mm
(3/32") dia.		
M039	Tube	2.5 mm
(3/32") dia.		
W039	Compression bars	1.5 mm
(1/16") dia.		
W087	Guide tubes	2.5 mm
(3/32") dia.		
W093	Tube wire guides	3 mm
(1/8") dia.		

RIGGING AND SHOCK ABSORBER CORD

Note: The following sizes and quantities are provided in the kit for the specific parts with part numbers listed below and in the instruction manual and on plans. Cut to length as required for specific parts.

WP1205	0.010" (0.25") dia. Gray Nylon	30 yards
(28 meters)		
WP1223	0.048" (1 mm) dia. White Nylon	2 yards
(1.86 meters)		

Specific Part List

		<u>Size</u>
A008	Shock absorber	1 mm
(3/64") dia.		
A009	Cross wires	0.25 mm
(0.010") dia.		
A020/22	Wing cross bracing	0.25 mm
(0.010") dia.		
A024,25,27	Bracing	0.25 mm
(0.010") dia.		
A033-36	Aileron control cables	0.25 mm
(0.010") dia.		
F064	Tail skid rope	1 mm
(3/64") dia.		
F068/69	Elevator/rudder control cables	0.25 mm
(0.010") dia.		
W043	Alignment wires	0.25 mm
(0.010") dia.		
F066	Shock cord for tail skid	1.5 mm
(1/16") dia.		

SHEET STYRENE

Note: The following sizes and quantities are provided in the kit for the specific parts with part numbers listed below and in the instruction manual and on plans. Cut as required for specific parts.

WP1850	0.016" x 4" x 4" (0.4 x 102 x 102 mm)	1	White
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Specific Part List

		<u>Size</u>
C004	Fuel tank end walls	0.4 mm (0.016") thick
C010	Live ammo box walls	0.4 mm (0.016") thick
C012	Used cartridge box walls	0.4 mm (0.016") thick

SELF ADHESIVE ALUMINUM TAPE

Note: The following sizes and quantities are provided in the kit for the specific parts with part numbers listed below and in the instruction manual and on plans. Cut as required for specific parts.

WP1860	1/16 x /x 24" (0.038 x 6.3 x 600mm)
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Specific Part List

F056	Elevator/ rudder hinges
W038	Bands for trailing edge
W049	Bands for aileron hinges
W085	Bands for trailing edge

MISCELLANEOUS PARTS

C045	Pivot for rudder bar-5/64" x 3/8" (2 x 10 mm) aluminum rivet	1
C064	Cockpit edge-1/8" x 8" hollow rubber tubing	1
M006	Propeller shaft-steel shaft with threads	1
M033	Propeller nut-steel (3MA metric)	1
M016	Valve springs-3/32" x 2" (2.5 x 51 mm) steel spring	1
A013	Tires	2
WP8019AC6	Alligator Clips	6

PLANS AND INSTRUCTIONS

WP1001MB	Instruction manual	1	
WPPL1001-A	Plan, Sheet 1 of 5	1	D001-overall aircraft
WPPL1001-B	Plan, Sheet 2 of 5	1	D002-fuselage, ribs, stabilizer
WPPL1001-C	Plan, Sheet 3 of 5	1	D003-upper/lower wing
WPPL1001-D	Plan, Sheet 4 of 5	1	D004-complete fuselage
WPPL1001-E	Plan, Sheet 5 of 5	1	D005-building jig laser patterns
WPPL1001	Master Packaging Parts List	1	

PLEASE NOTE : THE FOLLOWING MISPRINTS HAVE BEEN DISCOVERED IN THE INSTRUCTION MANUAL:

CARD "R" M016 IS LISTED TWICE. THE TOP LEFT ITEM SHOULD HAVE BEEN M013.

CARD "P" M00 SHOULD BE M006

CARD "D" C043 SHOULD BE C044

PAGE 31 M037 SLEEVES QUANTITY SHOULD BE 8

WE APPOLOGIZE FOR ANY INCONVENIENCE THIS MAY CAUSE IN CONSTRUCTION.