
MODEL AIRWAYS



A Division of Model Expo

5/12/21

8:28:00 AM

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.

PART #	ITEM	QUANTITY	NOTES
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BRITANNIA METAL CASTINGS

A002	Bearing	4	
A003	Joint	4	
A004	Landing gear struts	2	
A006	Spreader bar sleeve		See A016
A010	Turnbuckles		See W042
A011	External wheel disk	2	
A012	Internal wheel disks	2	
A014	Wheel locks	2	
A015	"V" strut flanges	2	
A016	False nuts	40	
A017	False screws	35	
A018-R	"N" wing struts	1	
A018-L	"N" wing struts	1	
A019	"V" wing struts	4	
A021,23,26, 28-32	Turnbuckles		See WO42
A048-A	Air speed indicator	1	
A048-B	Air speed caps	1	
C002	Oil tank end caps	2	
C003	Fuel tank body	1	
C005	Fuel tank joint	1	
C006	Oil and fuel tank taps	2	
C007	Fuel tank pressure tap	1	
C008	Fuel tank drain tap	1	
C009	Live ammo box body	1	
C011	Used cartridge box body	1	
C013	Gun unloading channels	1	
C013-A	Gun unloading channels	1	
C015	Rear gun sections	2	
C016	Gun barrels	2	
C017	Gun caps	2	
C018	Gun fire extinguishers	2	
C019	Rear gun support	1	
C020	Nuts		See A016
C021	Front gun support	1	
C022	Tachometer	1	

C023	Pressure gauge	1	
C024	Fuel valves	4	
C025	Fuel indicators	4	
C026	Fuel valve handles	4	
C027	Fuel filter	1	
C028	Rod		See A017
C029	Lower bar control support	2	
C030	Lower bar control	1	Includes metal insert
C031	Fore pulley support	2	
C032	Double pulley	1	
C033	Aft pulley supports	2	
C034	Double pulley	1	
C035	Control column	1	Includes metal insert
C036	Hand grips	1	
C037	Throttle	1	
C038	Control column fork	2	
C039	Sleeves	2	Half sleeve
C040/41	Locking arm & handle	1	Includes metal insert
C042	Rudder bar support	1	
C044	Rudder bar	1	
C045	Pivot for rudder bar	1	
C046	Rudder bar crank	1	
C048	Aileron control crank	1	
C049	Bearings		See A016/A017
C050	Pulley support	2	
C054	Starting magneto	1	
C055	Crank for C054	1	
C056	Spark control	2	
C057	Auxiliary throttle handle	1	
C058	Magneto switch	1	
C059	Air pump	1	
C060	Fuel level gauge	1	
C061	Compass	1	
C062	Greaser	1	
C063	Mounting cross seat		See A016
F019	Bayonet connection	2	
F054	Elevator	1	
F055	Elevator cranks	2	
F058	Rudder	1	
F059	Rudder crank	1	
F062	Tail skid attachment	1	
F063	Tail skid	1	
F065	Pivot for tail skid		See A016/017
F067	Turnbuckles		See W042
M001	Upper block	1	
M002	False screws		See A017
M003	False Nuts		See AO16
M004	Shaft support	1	
M005	Lower block	1	
M006/09	Propeller Shaft / Shaft rear flange	1	
M007	Propeller flange	2	
M008	Cylinders	6	
M010	Stirrups	14	
M011	Carburetor	1	
M012	Two barrel carb	1	
M013	Sleeves	18	
M014	Base box	6	
M015/16	Rocker boxes and springs	6	
M018	Front box	1	
M019	Rear cover	1	
M020	Oil pump	1	

M021	Water pump filter	1	
M022	Water pump	1	
M023	Rear bracket	1	
M024	Transmission	1	
M025	Vents	2	
M026	Tube	1	
M027	Cylinder pump tube	1	2.5 mm x 60 mm rod
M028	Sleeves		See M013
M029	Magnetos	2	
M030	Spark plugs	12	Supplied with cable
M034	Induction pipes	2	
M035	Induction pipes	2	
M036	Exhaust manifold	1	
M037	Sleeves	14	
M038	Tube	1	2 mm x 30 mm rod
M040	Sleeve	2	
M042	Sleeves		See M037
R00A-C	Radiator	1 set	3 castings
R01	Connection		See M027
R02	False tube		See WP101K-12
R03	Connection		See M027
R04	False tube		See WP101K-12
R05	Support	1	
R06	Handle		See C056
R07	Sleeve		See M013
W040	Attachment brackets	8	
W041	Attachment struts	8	
W042	Turnbuckles	28	
W047/48	Right / left aileron	2	
W086	Compression bars	6	
W088	Attachment struts	2	
W089	Pulley supports	2	
W092	Guides	4	
W095	Double pulleys	2	

BRASS, COPPER, STEEL, ALUMINUM ROD, WIRE AND 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.

WP40246SEC	0.021" x 6" (0.5 x 152 mm) copper wire	6"	
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 5" (2 x 305 mm) brass rod	1	
WP103K-12	5/32" x 6" (4 x 127 mm) aluminum tubing	1	
WP100K-12	1/16" x 12" (1.5 x 203 mm) aluminum tubing	2	
WP101K-12	3/32" x 12" (2.5 x 203 mm) aluminum tubing	2	
WP102K-12	1/8" x 4" (3 x 76 mm) aluminum tubing	1	
WP498-36	0.015" x 36" (0.4 x 305 mm) steel wire	1	
WP502-36	3/64" x 6" (1 x 152 mm) steel rod	1	
WPC001 (WP133-K-2)	Oil tank body	1	Cut to fit

Specific Part List	Size	
A038	Tube	0.64 mm (0.025") dia. copper wire
A039	Tube	0.64 mm (0.025") dia. copper wire
A040	Tube	0.64 mm (0.025") dia. copper wire
A041	Tube	0.64 mm (0.025") dia. copper wire

A042	Flex wire	0.64 mm (0.025") dia. steel wire
A043	Flex wire	0.64 mm (0.025") dia. steel wire
A044	Tube	0.64 mm (0.025") dia. copper wire
A045	Tube	0.64 mm (0.025") dia. copper wire
A046	Flex wire	0.64 mm (0.025") dia. steel wire
A047	Flex wire	0.64 mm (0.025") dia. steel wire
M041	Magneto cable	0.5 mm (0.021") dia. copper wire
C047	Foot arrest	0.8 mm (1/32") dia. brass wire
M031	Tubes	1 mm (3/64") dia. brass rod
C065	Seat cross rods	1.5 mm (1/16") dia. brass rod
F033	Seat rails	1.5 mm (1/16") dia. brass rod
F038/40	Stabilizer attachment rods	1.5 mm (1/16") dia. brass rod
F039	Stabilizer attachment rod	2 mm (5/64") dia. brass rod
A007	Spreader bar	1 mm (3/64") dia. steel rod
W037	Trailing edge	0.4 mm (0.015") dia. steel rod
W084	Trailing edges	0.4 mm (0.015") dia. steel rod
C043	Air pressure line	1.5 mm (1/16") dia. brass rod
A001	Axle	4 mm (5/32") dia. aluminum tubing
A005	Landing gear strut sleeves	2.5 mm (3/32") dia. aluminum tubing
M017	Camshaft	2.5 mm (3/32") dia. aluminum tubing
M039	Tube	2.5 mm (3/32") dia. aluminum tubing
W039	Compression bars	1.5 mm (1/16") dia. aluminum tubing
W087	Guide tubes	2.5 mm (3/32") dia. aluminum tubing
W093	Tube wire guides	3 mm (1/8") dia. aluminum tubing

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	16 yards (14 meters)
WP1223	0.048" (1 mm) dia. White Nylon	2 yards (1.86 meters)

Specific Part List	Size	
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 mm (3/64") dia.

SELF ADHESIVE ALUMINUM TAPE AND SHEET STYRENE

WP1860	¼ x 24" aluminum tape	1
WP1850	0.016" x 4" x4" sheet styrene	1

Specific Part List	Size	
F056	Elevator/ rudder hinges	0.038mm thick. Tape
W038	Bands for trailing edge	0.038mm thick. Tape
W049	Bands for aileron hinges	0.038mm thick. Tape
W085	Bands for trailing edge	0.038mm thick. Tape
C004	Fuel tank end walls	0.4 mm (0.016") thick. Styrene
C010	Live ammo box walls	0.4 mm (0.016") thick. Styrene
C012	Used cartridge box walls	0.4 mm (0.016") thick. Styrene

MISCELLANEOUS PARTS

WP8019AC6	Alligator Clips	6	
WP9908	1 ¼-20 x 1 ½" bolt	1	
WP9909	¼" wing nut	1	
WPC064	Cockpit edge-1/8" x 8" hollow rubber tubing	1	
WPA013	Tires	2	Rubber casting
M033	Propeller nut-steel	1	(3MA metric)

WOOD STRIPS & SHEET

Note: All wood is 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.

WP3688-24	0.021" x 5/64" x 12" (0.5 x 2 x 610 mm)	70
WP3680-24	3/64" x 3/64" x 12" (1 x 1 x 610 mm)	4
WP3669-24	1/16" x 5/32" x 12" (1.5 x 4 x 610 mm)	4
WP3687-24	3/64" x 3/16" x 12" (1 x 5 x 610 mm)	4
WP3618-24	1/16" x 1/16" x 12" (1.5 x 1.5 x 610 mm)	14
WP3619-24	1/16" x 3/32" x 12" (1.5 x 2.5 x 610 mm)	4
WP3620-24	1/16" x 1/8" x 12" (1.5 x 3 x 610 mm)	4
WP3673-24	5/64" x 5/64" x 12" (2 x 2 x 610 mm)	4
WP3636-24	5/64" x 1/8" x 12" (2 x 3 x 610 mm)	6
WP3655-24	3/32" x 5/32" x 12" (2.5 x 4 x 610 mm)	2
WP3682-24	1/8" x 5/32" x 12" (3 x 4 x 610 mm)	2
WP3633-24	1/8" x 3/16" x 12" (3 x 5 x 610 mm)	6
WP3671-24	5/32" x 3/16" x 12" (4 x 4.8 x 610 mm)	2
WP3640-24	3/16" x 3/16" x 12" (5 x 5 x 610 mm)	2
WP3637-24	¼" x ½" x 12" (7 x 14 x 610 mm)	4
WP4603-24	3/64" x 2" x 4" (1 x 51 x 102 mm)	2
WP4606-24	1/16" x 2" x 4" (1.5 x 51 x 102 mm)	2

Specific Part List

Size

C014	Ammo box support strips	1.5 x 1.5 mm (1/16 x 1/16")
F018	Strips on F005	1 x 1 mm (3/64 x 3/64")
F020	Strips on F008/F010	1 x 1 mm (3/64 x 3/64")
F022	Main side longerons	2 x 2 mm (5/64 x 5/64")
F023	Upper longeron	1.5 x 1.5 mm (1/16 x 1/16")
F024	Upper side longerons	1.5 x 1.5 mm (1/16 x 1/16")
F026	Lower side longerons	1.5 x 1.5 mm (1/16 x 1/16")
F027	Lower longeron	1.5 x 3 mm (1/16 x 1/8")
F029	Engine bearer	3 x 4 mm (1/8 x 5/32")
F034	Fin leading edge (lam.)	1.5 x 4 mm (1/16" x 5/32")
F035	Fin top strip	1.5 x 3 mm (1/16 x 1/8")
F036	Fin rib 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")
F049	Leading edges(laminated)	1.5 x 4 mm (1/16 x 5/32")
F050	Corner strips/fuel tank support	1.5 x 3 mm (1/16 x 1/8")
F051	Rear elevator longeron	3 x 4 mm (1/8 x 5/32")
F052	Guide	1.5 x 3 mm (1/16 x 1/8")
F057	Cap strips	0.5 x 2 mm (0.021 x 5/64")
F061	Elevator joint strip	1.5 x 3 mm (1/16 x 1/8")
W028	Rib stiffeners	0.5 x 2 mm (0.021 x 5/64")
W029	Cap strips	0.5 x 2 mm (0.021 x 5/64")
W030	Leading edge	5 x 5 mm (3/16 x 3/16")
W031	Front spar	3 x 5 mm (1/8 x 3/16")

W032	Rear spar	3 x 5 mm (1/8 x 3/16")
W033	False spar	1.5 x 2.5 mm (1/16 x 3/32")
W034	Spars for aileron	3 x 4 mm (1/8 x 5/32")
W035	Wing tips (laminated)	1 x 5 mm (3/64 x 3/16")
W036	Center trailing edge (lam.)	1 x 5 mm (3/64 x 3/16")
W044	Strengthening pieces	1.5 x 2.5 mm (1/16 x 3/32")
W045	Strengthening pieces	0.5 x 2 mm (0.021 x 5/64")
W050	Retainers at aileron hinge	1.5 x 2.5 mm (1/16 x 3/32")
W077	Rib stiffeners	0.5 x 2 mm (0.021 x 5/64")
W078	Cap strips	0.5 x 2 mm (0.021 x 5/64")
W079	Leading edges	2.5 x 4 mm (3/32 x 5/32")
W080	Front spars	2 x 3 mm (5/64 x 1/8")
W081	Main spars	4 x 5 mm (5/32" x 3/16")
W082	Rear spars	2 x 3 mm (5/64 x 1/8")
W083	Wing tips (laminated)	1 x 5 mm (3/64 x 3/16")
W090	Strengthening pieces	2 x 3 mm (5/64 x 1/8")
W094	Strengthening pieces	0.5 x 2 mm (0.021 x 5/64")
	Jig base strips	7 x 14 mm (1/4 x 1/2")
F021	Stiffening	1 mm (3/64") thick sheet
F025	Stiffening	1.5 mm (1/16") thick sheet
F031	Fin stiffening	1 mm (3/64") thick sheet
F053	Strengthening pieces	1 mm (3/64") thick sheet
F060	Magneto switch panel	1.5 mm (1/16") thick sheet
W046	Strengthening pieces	1 mm (3/64") thick sheet
W091	Strengthening pieces	1 mm (3/64") thick sheet

LASER CUT WOOD PARTS

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

WP4632-A	<u>3/64" Thick Set</u>	1	
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
W001-W027	Upper wing ribs	27	1 mm (3/64") thick
W051-76	Lower wing ribs	28	1 mm (3/64") thick
WP4633-B	<u>1/16" Thick Set</u>	1	
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
WP4656-C	<u>1/64" Thick Set</u>	1	
C051	Seat bottom	1	1 mm (1/64") thick
C052	Seat back	1	1 mm (1/64") thick
WP4640-D	<u>5/32" Thick Set</u>	1	
	Fuselage building jig	15	4 mm (5/32") thick

	Fuselage support stands	5	4 mm (5/32") thick
WP4305-E	<u>3/64" Thick Set</u>	1	
M032	Propeller	1	1 mm (3/64") thick

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	7	
WPPL1001CI	Casting identification cards	2	
WP1001SA	Supplemental assembling propeller	1	
WP1001SB	Supplemental building tips	2	

PLEASE NOTE THE FOLLOWING:

- New cards are now lettered 'A' through 'J'.