



NIEUPOORT

PARTS LIST MA1002

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
BRITANNIA METAL CASTINGS			
Ni28-018	Compression bar	6	
Ni28-020	Joint pin plates	4	
Ni28-033	Aileron hinge	6	
Ni28-034	Lower wing joint	1	
Ni28-035B	End fittings for interplane struts	8	
Ni28-062	Crank rudder and elevator	2	
Ni28-068	Center interplane strut	1 c.	1 pair
Ni28-069	Stiffening	1 c.	1 pair
Ni28-070	Stiffening	2	
Ni28-071	Wire Connection	4	
Ni28-072 L,R	Landing gear struts	1 each	
Ni28-074	Wheel	4	
Ni28-075	Wheel Lock	2	
Ni28-076	Ark strut brace	1	
Ni28-077	Tailskid	1	
Ni28-078	Wheel Hub	2	
Ni28-080	Axle	1	
Ni28-081	Stick	1	
Ni28-082	Trunnion	1	
Ni28-084	Support	2	
Ni28-086	False nut	10	
Ni28-087	Lever	2	
Ni28-088	"S" lever	2	
Ni28-089	Rudder pedal	1	
Ni28-090	Support pedal	1	
Ni28-091	Crank	1	
Ni28-092	Rudder Control Pin	1	
Ni28-093	Instrument Panel	1	
Ni28-094	Handle	1	
Ni28-095	Fuel level	1	
Ni28-099	Lever	1	
Ni28-100	Cushion	1	
Ni28-101a&b	Oil Tank	1 each	
Ni28-102a-d	Main fuel tank (4 parts)	1	
Ni28-103	Lateral fuel tank	1	

Ni28-105	Tap	2
Ni28-109	Cooling Barrel	2
Ni28-110	Rear gun	2
Ni28-111	Traverse	3
Ni28-112	Gun mount	2
A017	False screw	14
C017	Cap gun	2
C018	Fire extinguisher	2
C023	Handle	1
C054	Starter magneto	1
C055	Starter magneto handle	1
C058	Magneto switch	1
C062	Greaser	1
GR9-02	Front flange	1
GR9-04	Rear flange	1
GR9-05	Timing gear cover	1
GR9-06	Camshaft box	1
GR9-07	Crankcase covers	2
GR9-08	Crankcase	1
GR9-09	Distributor	1
GR9-10	Engine cylinders	9
GR9-11	Cylinder heads	9
GR9-12	Exhaust valve lifters	9
GR9-13	Spark plugs	18
GR9-16	Engine mount	1
GR9-17	Gear	2
GR9-18	Oil Pump	1
GR9-19	Magneto	1
GR9-20	Front crankshaft flange	1
GR9-21	Rear crankshaft flange	1
GR9-22	Air manifold & fuel pipe	1
W042	Turnbuckle	70

METAL AND MISCELLANEOUS PARTS

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.

PART #	SIZE (inches)	QUANTITY	PART NAME
WP161	ø3/64 x 12" Brass rod	1"	Control stick pivot
WPGR9-15	ø4 x 66mm Brass rod	1	Crankshaft
WPGR9-01	ø5 x 36mm Brass tube	1	Crankshaft mount
WP1730	1/16" od Black tubing	3"	Plumbing connectors
WP1750	32 gauge x 24" Copper wire	1	Ignition wires
WP123125	ø.031" Brass wire	24"	same (WP40224sec) Cockpit plumbing
WP5120	Nut	1	
WP5121	Bolt	1	
WP5101	1/8" Dowel	1"	Upper wing joint pins
WP073	Rubber Tires	2	
WP29163	Gloss paper sheet	1	Gauge faces
WP1860	1/4" aluminum tape	12"	Hinges
WP0976	1/4" copper tape	12"	Fuel tank straps
WP1245	Tan nylon thread	24"	Shock cord
WP1205	ø.3mm Gray Jewelry Nylon	16yds.	Rigging cable
WP40264	ø5/64" x 12" Brass rod	3	Aileron torque bar, Elevator pivot rod, Rudder pivot rod, Instrument panel support.

WOOD STRIPS

Note: All wood strips are 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 to length as required for specific parts.

PART #	SIZE (inches)	QUANTITY	PART NAME
WP3688	1/32 x 5/64 x 12"	52	Rib caps, wings leading edge covering Fin attachment supports, empennage
WP3631	1/8 x 1/8 x 12"	4	Upper front & rear spars, braces, fuselage tail frame, stabilizer & elevator spars (C), rudder post & main spar (C)
WP3640	3/16 x 3/16 x 12"	4	Wings leading edges
WP3620	1/16 x 1/8 x 12"	4	Wings trailing edges
WP3673	5/64 x 5/64 x 12"	10	Leading edge braces, fin braces, Vertical brace, braces, longerons
WP3680	3/64 x 3/64 x 12"	18	Diagonal braces, stringers, Stabilizer struts
WP3660	3/64 x 1/8 x 12"	2	Elevator braces, Vertical brace
WP3625	3/32 x 3/32 x 12"	8	Lower front & rear spars
WP3629	3/32 x 1/4 x 12"	2	Interplane struts
WP4637	3/16 x 1 x 12"	2	Fuselage jig base strips (Ni28-J19)
WP3653	1/32 x 5/32 x 12"	56	Wings tips, center wing trailing edge Stabilizer rim, rudder rim (laminated)

LASER CUT WOOD PARTS

WP1002-A	<u>1/16" plywood</u>	1	FUSELAGE
	Ni28-037-046	Fuselage frame #1 to 10	10 (1each)
	Ni28-053	False frame	1
	Ni28-054	False frame	1
WP1002-B	<u>3/64" plywood</u>	1	UPPER & LOWER WINGS
	Upper wing:		
	Ni28-001	Rib #1 upper wing	4
	Ni28-002	Rib #2 upper wing	2
	Ni28-003	Rib #3,4,5,6,7,8,9,10,12	18 (2each)
	Ni28-004	Rib #11	2
	Ni28-005	Rib #13	2
	Ni28-006	Rib#14	2
	Ni28-007	Rib #15	2
	Ni28-008	False rib #A	2
	Ni28-009	False rib #B	2
	Ni28-017	Nose rib	30
	Lower wing:		
	Ni28-021	Rib #1 lower wing	4
	Ni28-022	Rib #2	2
	Ni28-023	Rib #3 and 5	4 (2 each)
	Ni28-024	Rib #4 and 6	4 (2 each)
	Ni28-025	Rib #7,8,10,11	8 (2 each)
	Ni28-026	Rib #9	2
	Ni28-027	Rib #12	2
	Ni28-028	Rib #13	2
	Ni28-029	Rib #14 aileron only	2

WP1002-C	<u>5/32" baswood</u>	1	UPPER & LOWER WINGS
	J002		2
	J003		1
	J004		2
	J005		2
	J006		1
	J007		1
WP1002-D	<u>5/32" baswood</u>	1	FUSELAGE JIG
	J008		1
	J009		1
	J010		1
	J014		1
	J015		1
	J016		1
	J017		1
	J018		1
WP1002-E	<u>5/32" baswood</u>	1	FUSELAGE JIG
	J011		1
	J012		1
	J013		1
	J020		1
	J021		1
	J022		1
	J023		1
WP1002-F	<u>1/8" baswood</u>	1	PROPELLER
	GR9-03 Propeller		3 parts

PLANS AND INSTRUCTIONS

WP1002MB	Instruction Manual	
WPPL1002	Parts List	
WPPL1002-A	Plan, sheet 1	Port & Starboard, Upper & Lower wing, Front View
WPPL1002-B	Plan, sheet 2	Upper & Lower wing, Tailplane & Elevator, Fin & Rudder
WPPL1002-C	Plan, sheet 3	Fusselage Assembly
WPPL1002-D	Plan, sheet 4	Propeller

PL Version 10-140. Revised by Ed Fry.

NIEUPORT PARTS LIST/INSTRUCTION ADDENDUM

UNDER "METAL PARTS"

- WP0976 replaces WP0978.

UNDER "WOOD STRIPS"

- On pages 10, 13 & 19 of the Instruction Manual, part WP3202-40 (Tanganyka wood strips), has been changed to part WP36534 (Basswood strips). This change has been made because Tanganyka wood is no longer available.
- Four wood strips of 3/32" x 3/32" x 24" (WP36254) are provided for all wing spars instead of the sizes indicated in the instructions. They replace the 1/8" x 1/8" strips (WP36314) and the 3/32" x 1/8" strips (WP36264).

UNDER "MISCELLANEOUS"

- WP1730 black tubing 3" replaces A037 copper spring
- There was a change in the instrument panel casting that combines parts Ni28-093, the instrument panel, and a length of brass rod WP40264, the instrument panel support bar, into a single unit. This changes the manner of affixing the instrument gauge faces (page 24, paragraph 2 of the instructions booklet). Carefully cut out the paper gauge faces (WP29163) and glue them into place on the instrument panel (Ni28-093) in the same orientation that they are printed. A second set is provided, in case you make a mistake.
- The jigs (J002-J018 and J020-J022) are located on three 5/32" laser cut boards.
- Page 22 Fig.6/1 of the instruction book incorrectly references part number WP502-36. The correct part is WP161-12 referenced on page 23 of the parts list.
- On page 22 of the instruction book, part number Ni28-089, was modified after the instruction book was printed and does not look like the one shown on Fig.6/3
- On page 23 of the instruction book, part number Ni28-092, is now a Britannia casting
- On page 17 Parts shown as Ni28-035 should read Ni28-018

WING TRAILING EDGES:

- Because the trailing edge must fit under the cap strips on the top ribs, initial tapering in cross section should be done before gluing it in place. Final tapering, which includes the ends of the top cap strips, can be done after the trailing edge is glued into place. See Figures 2.2 and 3.2. Note that the bottom cap strip terminates at the back edge of the ribs so that the trailing edge piece butts up against them. The bottom side of the trailing edge is not tapered.

PARTS LIST FOR STAGE 6:

- Parts Ni28-??? Fuel Strap Tank Buckles are not available. Buckles must be fashioned from materials provided.

PARTS LIST FOR STAGE 8:

- The Britannia metal end fittings are part no. Ni28-035B.

STAGE 8: FINAL ASSEMBLY

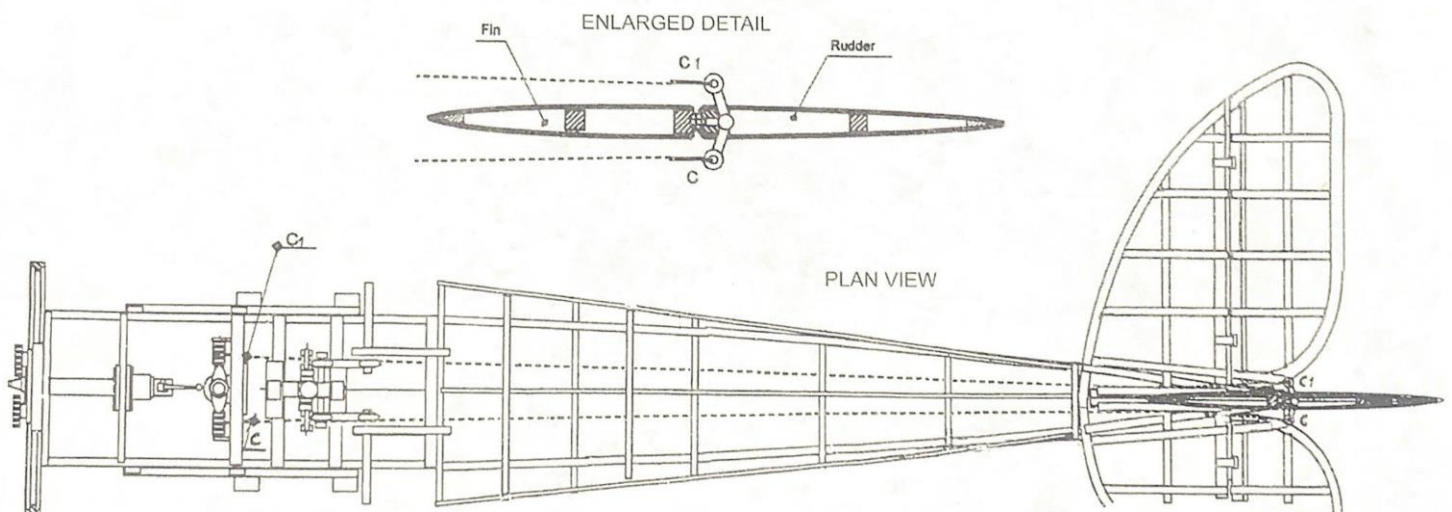
Upper Wing:

- Working directly from Plan D01, sand the four interplane struts (made from WP36294 3/32" x 1/4" wood strips) to a smooth tear-drop cross-sectional contour. You might wish to stain these struts gold-mahogany and finish them with a couple coats of varnish or shellac.
- Insert, but do not glue strut fittings Ni28-035B into the slots of the ends of all four struts, making sure that the molded-on nuts on the fittings are all on the same side. With the upper wing temporarily in place on the cabane struts, adjust the lengths of the interplane struts by moving the fittings in their slots. The cabane struts attach to the compression bars (Ni28-018) by means of false bolts (A017). The mounting holes are slightly oversized to allow for correct positioning of the upper wing. Essentially the same method is used to attach the interplane struts to the compression bars. Once you are satisfied that the fit and angles are correct, glue everything in place: the strut fittings, the contact points of all of the struts and the compression bars, and the insertions of the false bolts.

REPLACEMENT TO RUDDER AND ELEVATOR CONTROL CABLES INSTRUCTIONS ON PAGE 28

DRAWINGS BELOW REPLACE THOSE ON FULL-SIZE PLAN D03:

- Temporarily brace the control stick in the neutral position, perpendicular to the plane of the cockpit floor. Temporarily brace the rudder bar at a right angle to the axis of the fuselage. Untie the rudder control cables, which you had previously tied out of the way at fuselage former #10 and continue them straight back (not crossed) to the rudder control horns C goes to C; C1 goes to C1. Tie and glue them in place referring to the corrected drawings below. The cables should be snug but not too tight. The elevator control cables must be crossed before attaching them so B, the upper one on the control stick, goes to the lower elevator horn and A goes to the upper control horn. When you release the control column and the rudder bar, these controls will activate their respective control surfaces just like in the real aircraft. It is recommended, however, that you do not operate the controls. The scale parts are delicate and might easily break.



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