



Cloud Clipper 71" Vintage Building instruction



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INTRODUCTION

CLOUD CLIPPER WAS DESIGNED BY VALUEPLANES IN 2020. THE DESIGN INSPIRATION COMES FROM OLD TOMER STYLE VINTAGE PLANES. IN ORDER TO MEET THE THE REQUIREMENTS FROM SPORT FLYERS WHO WANTED TO HAVE A GO AT VINTAGE FLYING AND THE BEGNNERS. THE DESIGN STAYS TRUE TO IT'S ORIGINS WITH GENUINE REED TIPS ON THE WING AND TAIL.

CLOUD CLIPPER KIT INCLUDES PRE CUT WING RIBS, REED WOOD STRIPS FOR THE WING AND TAIL TIPS, PLY FORMERS, Balsa STRIP, SHEET AND BLOCK PARTS, UNDERCARRIAGE WIRE AND WHEELS, GLAZING, HARDWOODS AND DOWEL, A HARDWARE PACK AND FULL SIZE PLANS. EVERYTHING NEEDED TO BUILD THE BASIC AIRFRAME OF THE MODEL. CUSTOMERS JUST NEED COVER, POWER SYSTEM ,SERVOS,RX&TX.AND IT'S COMPATIBLE WITH EP & GP.

IT'S VERY GOOD CHOICE FOR LEISURELY FLYING IN THE FAST-PACE LIFE.



PRODUCT LIST

1* Un-assembled Cloud Clipper 71" KIT:

Wood sheet pack*1 1:1 Plan*1

Batten sets

Operation instruction*1

PVC windshield *1

Connecting rods with tube *2

Fitting bag*1

Undercarriage *1

Wheels*2



FEATURES

- Complete airframe KIT.
- The design is derived from the classics Old Timer vintage planes.
- Extremely lightweight, state-of-the-art almost-balsa construction
- Everything needed to build the basic airframe of the model.
- Compatible with EP & GP.
- Extensive clear full size planes and instructions.
- Only adhesives and coverings are required to complete the airframe

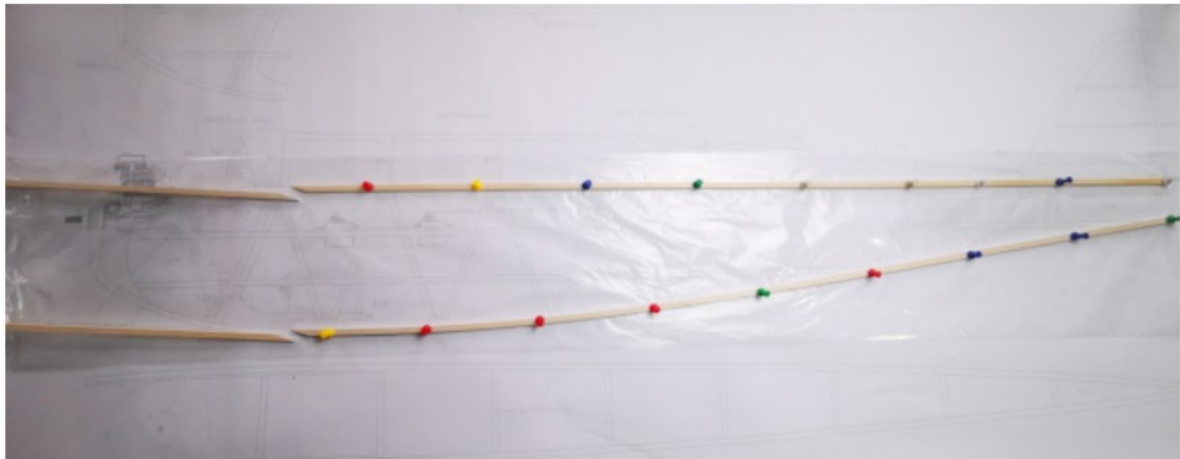
SPECIFICATION

- Wingspan:1800mm
- Length:1320mm
- Flying weight:1800g
- Servo: ≥ 17 g
- Prop.:12"
- Motor:2814 kv1000 outrunner
- ESC:40A 3S 2800-3000mAh
- Engine:28-40 class

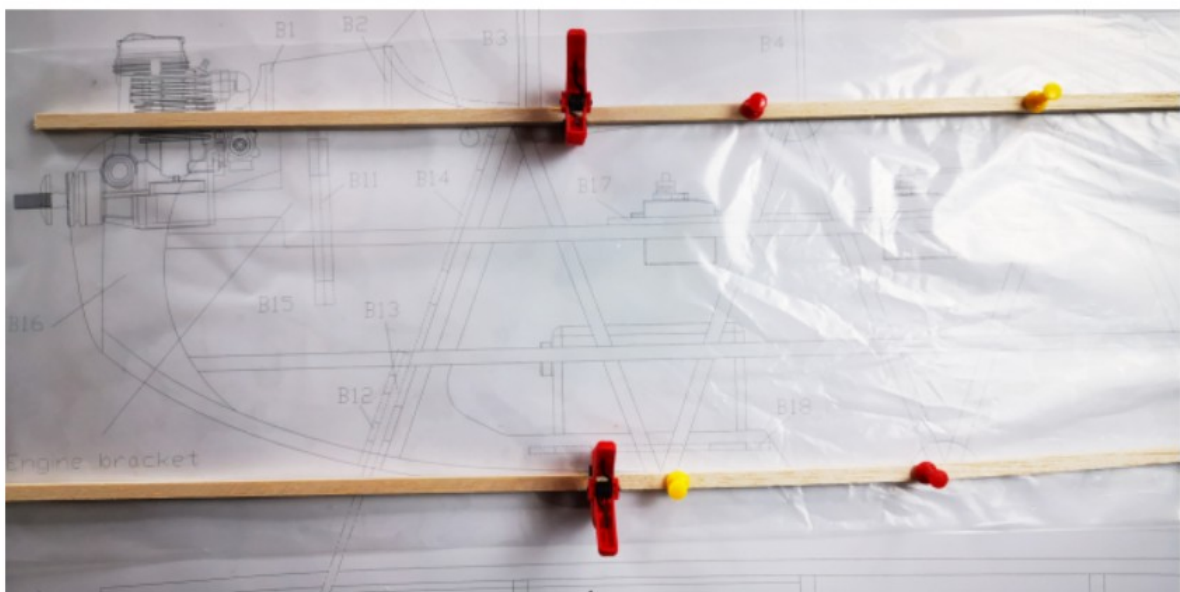
BUILDING INSTRUCTION

1 FUSELAGE FRAME ASSEMBLY

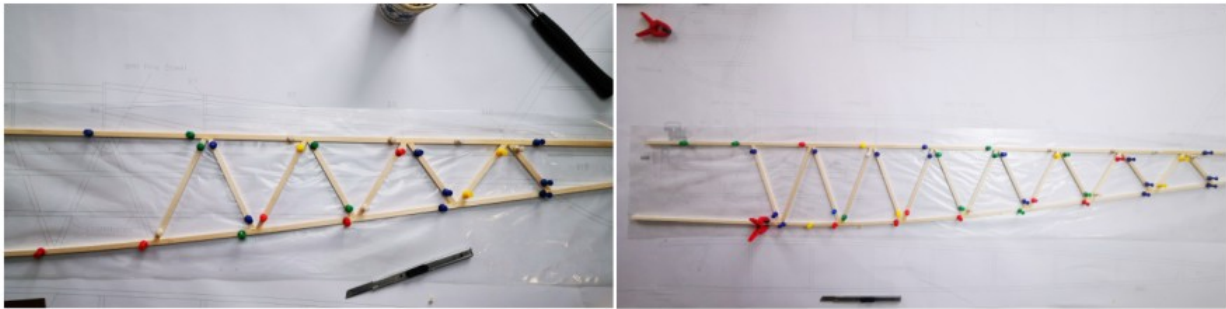
- 1) Cover the drawing with transparent plastic film, so that the balsa wood will not be pasted on the drawing during the building.



- 2) The length of 6X6 balsa is not enough, so the two balsa sticks need to be spliced and extended.



3) Fix the strips with thumbtacks, cut the sticks to be the proper size, and splice with wood adhesive .



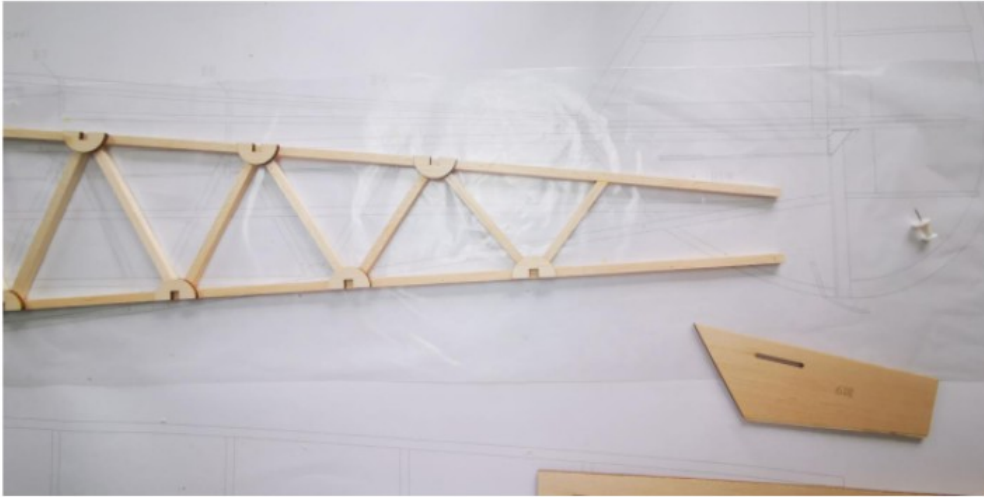
4) Glue B15 sheet together with the fuselage sticks. The bottom sticks can be soaked in water for easier bending and shaping.



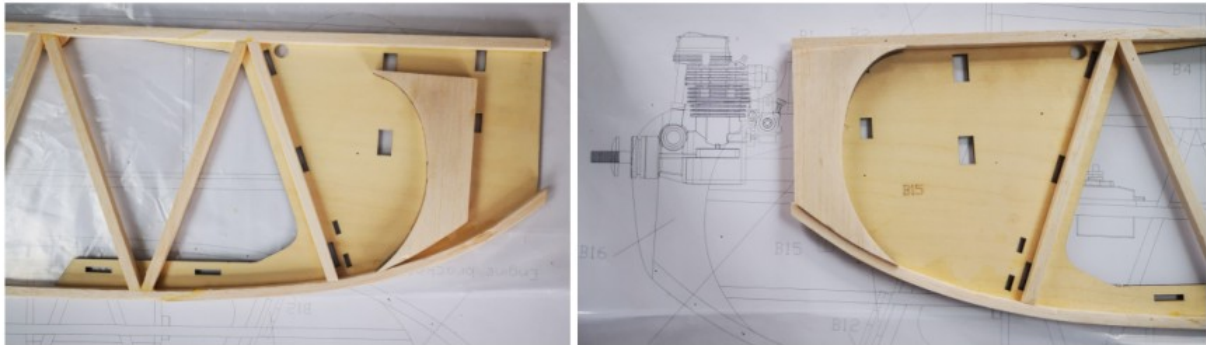
5) Paste the U-shaped stiffener onto the frame.



6) Glue the balsa sheet numbered B19 together with the frame sticks. Pay attention to the positive and negative. Use 3MM balsa sheet to strengthen the tail.



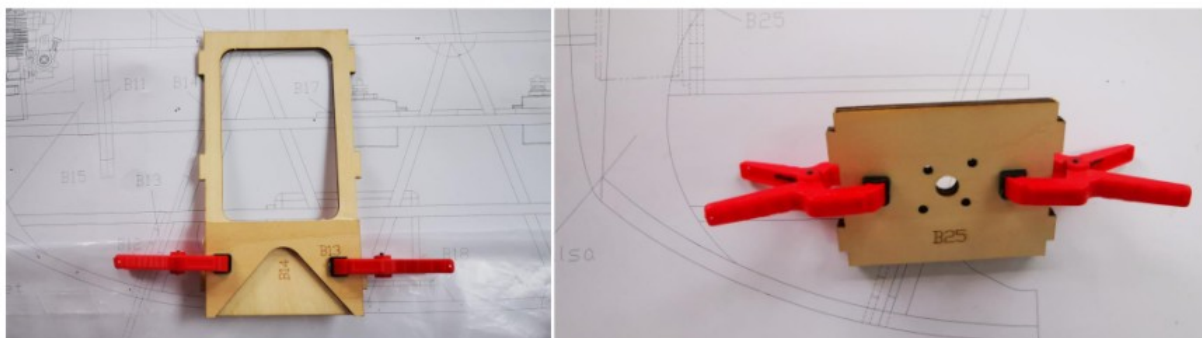
7)The nose part is pasted with 8MM balsa sheet.



8)Mirroring to make another set of frames.



9)The fuselage bulkhead and landing gear mounting plate shall be combined and pasted together, and the motor mounting seat shall also be combined and pasted in advance.





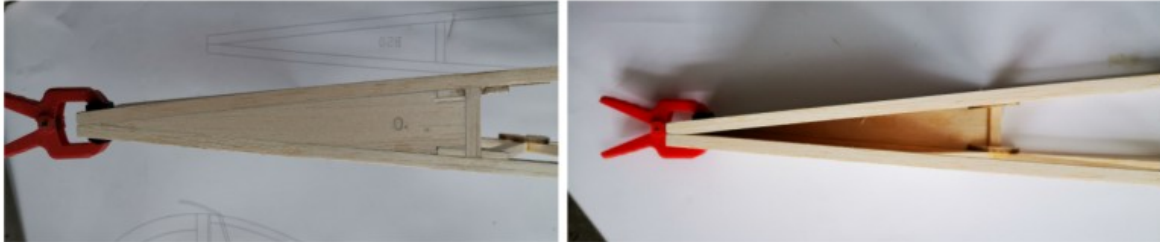
10) Paste the bulkhead and fuselage frame together with the clamp, and pay attention to keep the fuselage frame perpendicularity.



11) Paste the cross girders sticks, need to check the body perpendicularity.



12) Glue balsa B20 and B26 at the rear of the fuselage.

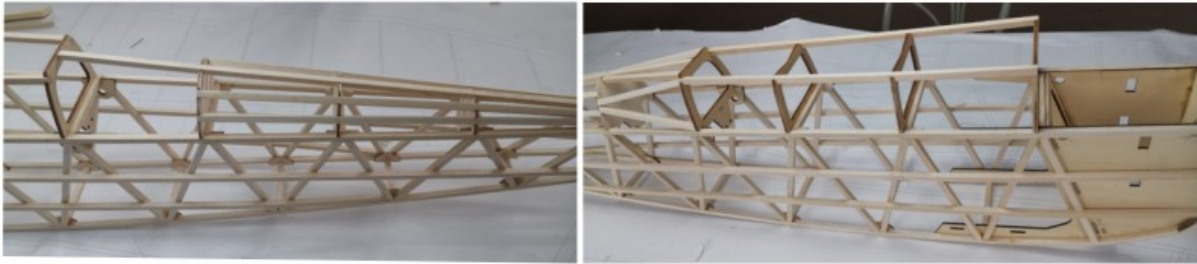


13) Glue the strengthening balsa sticks to sides of the fuselage.



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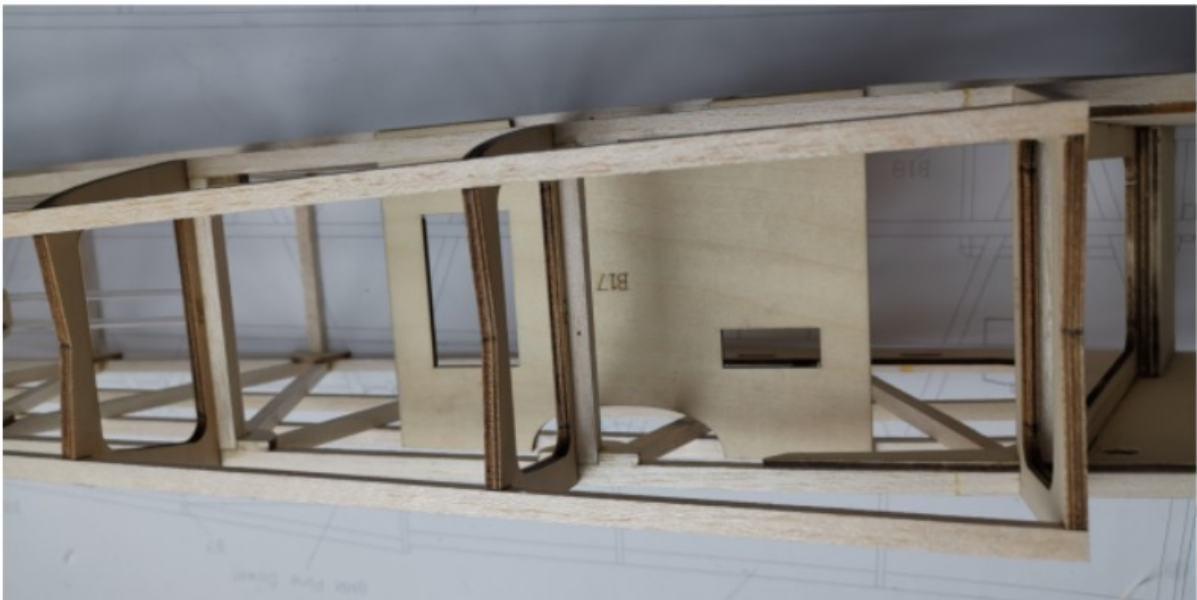




15) Installation of the connecting rods.



16) Installation of servos mount.



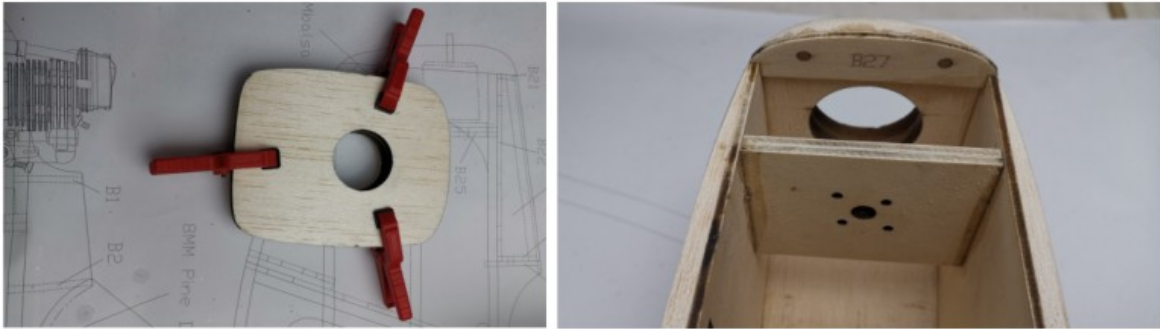
17) Fill the lower part of the frame with 8MM balsa pieces and polish.



18) For the installation of the cabin cover, make B21.B22.B23 combined, 2MM balsa sheet is used as the mask plate, and 3X4MM magnet should be installed in the round holes of the plywood plate.



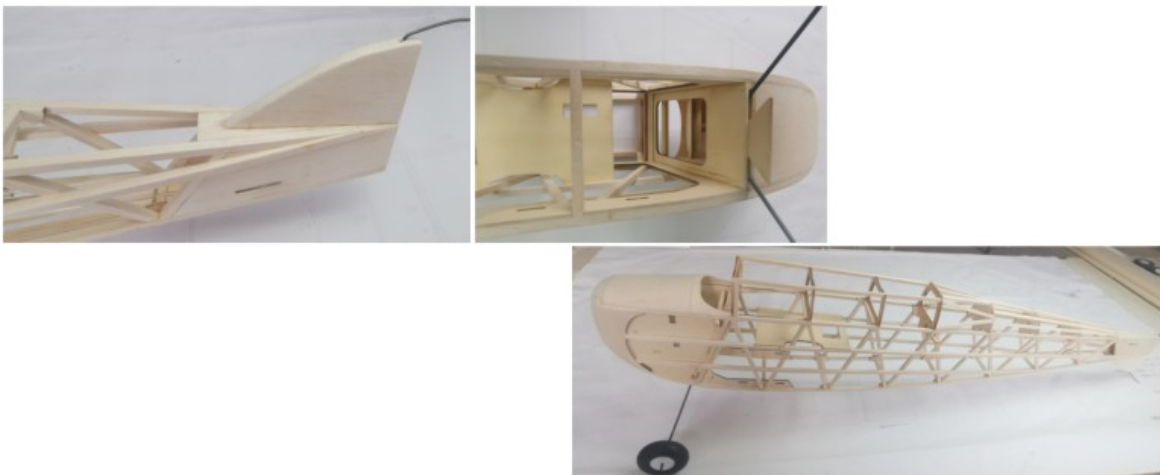
19) Combine two pieces of 8MM balsa sheets of the nose and paste them into the fuselage. B27 plywood plate and the nose are pasted together. then Install the magnet. Note that the magnets are at the same polarity as the cabin cover.



20) Combine two pieces of 8MM balsa sheets of the nose and paste them into the fuselage. B27 plywood plate and the nose are pasted together. then Install the magnet. Note that the magnets are at the same polarity as the cabin cover.



21) Paste 8MM balsa sheet at the tail of the fuselage, make landing skid with steel wire, drill holes on the balsa sheet with 1.5mm drill bit, and paste the wire skid and the balsa sheet together. Insert landing gear wire and use triangular plywood for fixed installation.



2 WINGS Assembly

1) Assemble the trailing edge of the wing.



2) Insert the wing ribs into the wing girders according to the drawing numbers and install the 8X6MM balsa dowels of the main girders .



3) Install the reinforced balsa sheet A19



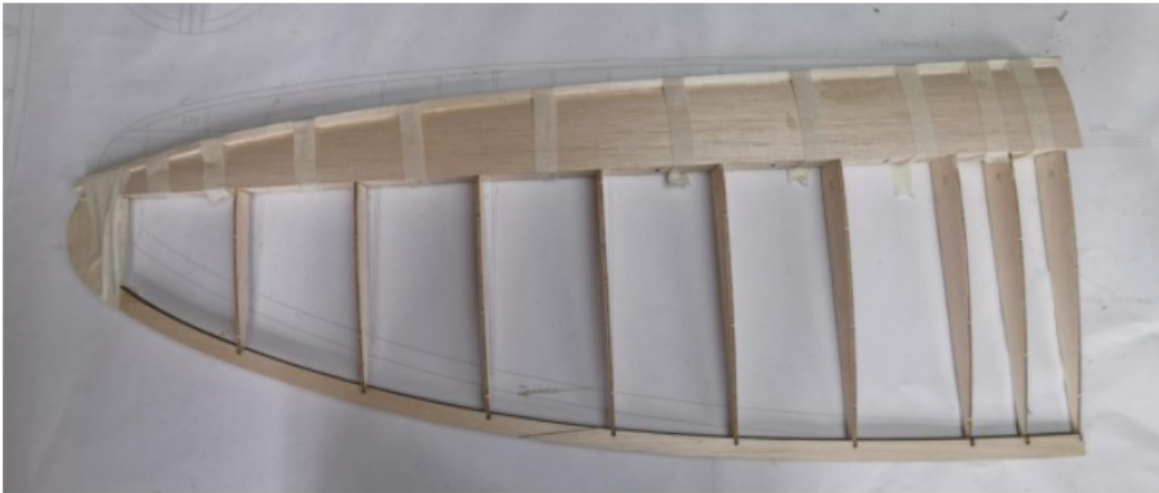
4) Install 8MM balsa sheets as the wing tips.



5) Paste the wing mask and polish it.



6) Stick the balsa dowels to the leading edge of the wing.



7) Paste the upper and lower masks in the middle of the wing.



8) Polish the leading and trailing edges of the wing.



9) Remove the excess wing ribs and insert the wing connecting plywood board.



3 The tail Assembly

Build and polish the tail wings according to the drawing.





Finished.

Assembly



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