Minimoa

Build instructions



Specifications		
Wing Span	56 in / 1422mm	
Wing Area	13.7 sq dm	
Flying weight	300g-320g	
Fuselage length	623mm	
Scale	1/12	

Requires	
RC transmitter with at least 3 channels	
5g mini servos*4	



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BEFORE YOU BEGIN

Attentions and Tips

- 1.Read through the manual before you begin, so you will have an overall idea of what to do.
- 2. Check all parts. If you find any serious defects or missing parts, please contact your local dealer.
- 3. Please build your kit in strict accordance with the sequence of the user manual.
- 4. Pre-Sanding:Before removing any parts from the laser-cut plywood sheet , use a sanding block loaded with 250 400 grit sandpaper and lightly sand the back side of the sheet. Which can significantly reduce burn marks of the wood and make the parts match better
- 5. Before building the model part on drawings, It is recommended to cover a layer of kitchen cling film (polyethylene film) on the drawing. This way can prevent parts from sticking to the drawing and causing damage.
- 6. Parts Assembly:This product's tabs and notches interlock like a 3D puzzle. We strongly suggest that when fitting parts, you "dry fit" (use no glue) the parts together first. It is advised to work 1 2 steps ahead in the instructions, using this dry-fit technique. This allows the opportunity to inspect the fit and location of assembled components, and shows the benefits of our construction technique. As each successive part is added, it contributes to pulling the entire assembly square. Once you arrive at the end of a major assembly sequence, square your work on a flat work surface, and bond the dry-fit joints with glue. Using the dry-fit process, you'll be able to recover from a minor build mistake, and will ultimately end up with a square and true assembly.

7.This is a precision laser-cut kit. Our lasers cut to within 0.2mm in accuracy. Yet the wood stock supplied to us by the mill may vary in thickness by up to 0.2-0.3mm. This variance in the wood stock can cause some tabs and notches to fit very tightly. With this in mind, consider lightly sanding or lightly pinching a tight-fitting tab, rather than forcing the parts together. You may break some parts in assembly, but please don't worry, after the final covering work, it will not affect the strength and appearance of your model. You will end up with a circle and true airframe.



KIT INVENTORY

Sheet Wood Inventory	
1.5mm Balsa	1
1mm balsa	11
2.5mm balsa	1
1mm Plywood	2
1.5mm Plywood	1
1mm Paulownia	2

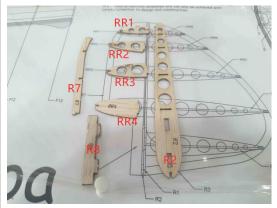
Hardware parts		
Blister PVC canopy(Front)	1	
Laser cut PVC canopy(Behind)	1	
PVC Tube (Outer diameter: 6mm, Inner diameter: 4mm)	1	
Carbon Tube (Outer diameter: 4mm, Inner diameter: 3mm)	1	
Plastic Hinges	5	
Mini paper hinges	8	
M2*20 Screws	3	
M1.6*5 Screws	8	
M1.78*8 Screws	2	
M2 Screw nut	1	
M2 Four Claws Nut	2	
Steel push rod (diameter: 0.8mm)	4	
Steel wire (diameter: 1mm)	1	
Steel wire adapter	4	
Carbon rod (diameter: 1mm)	2	
Heat shrinkable tube	2	

Paper parts		
	1:1 drawings	1

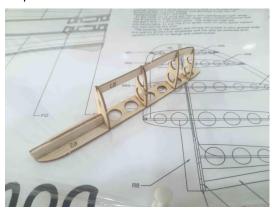
Build instructions

Part1.Rudder

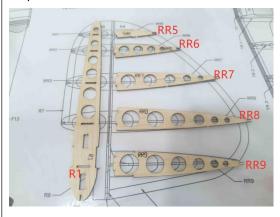
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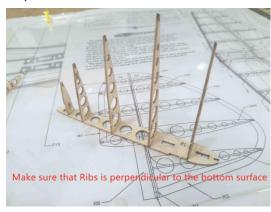
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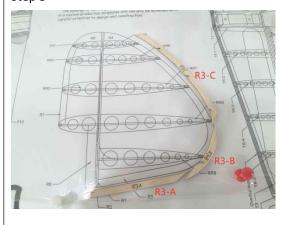
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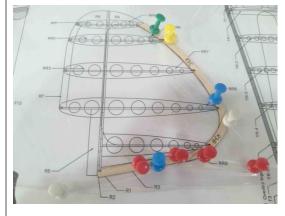
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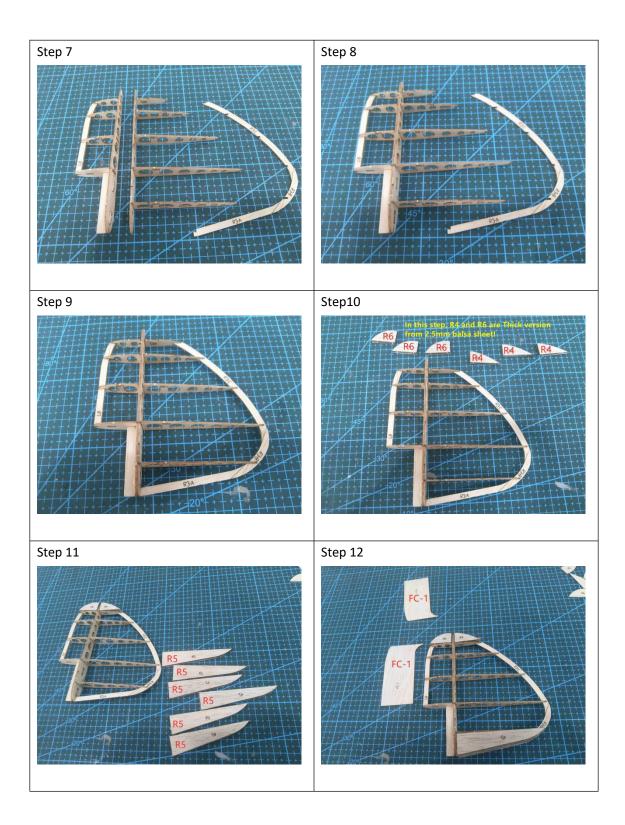


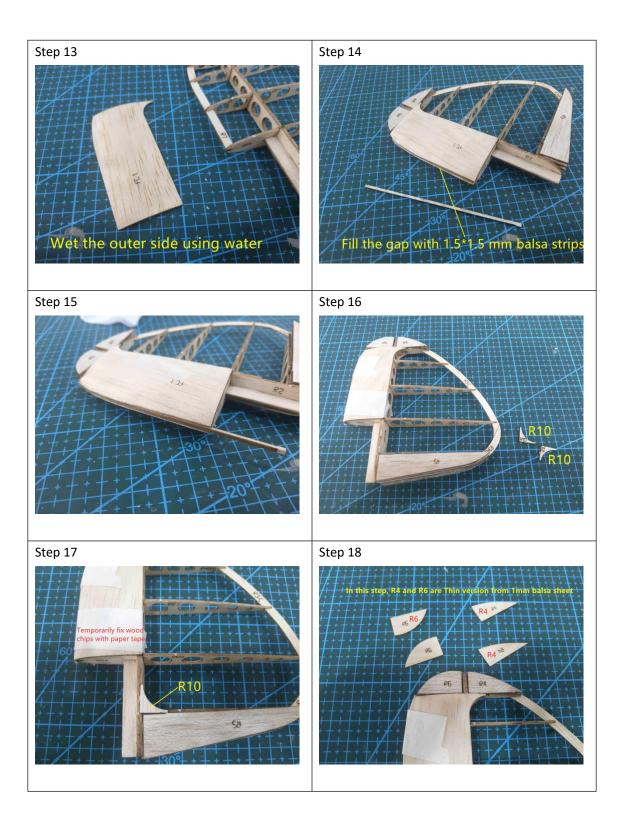
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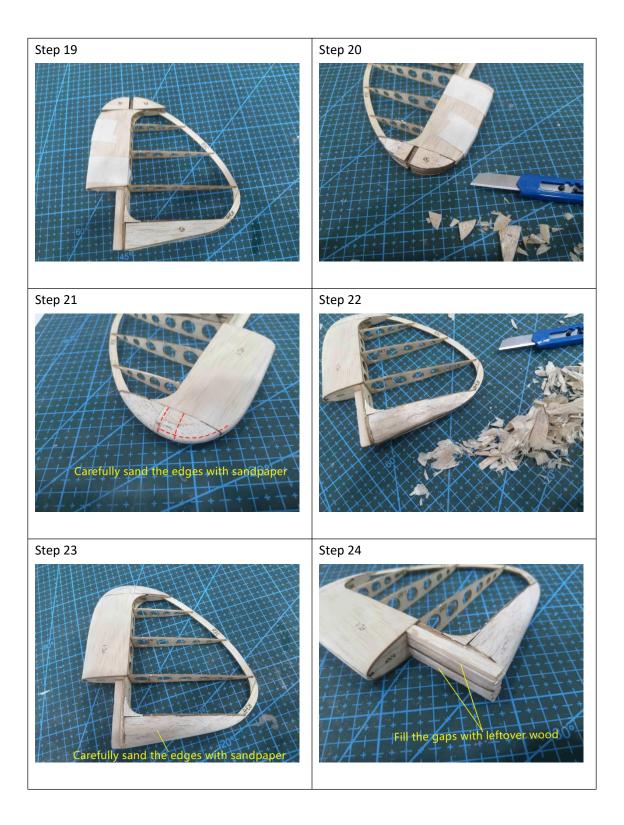


Step 6





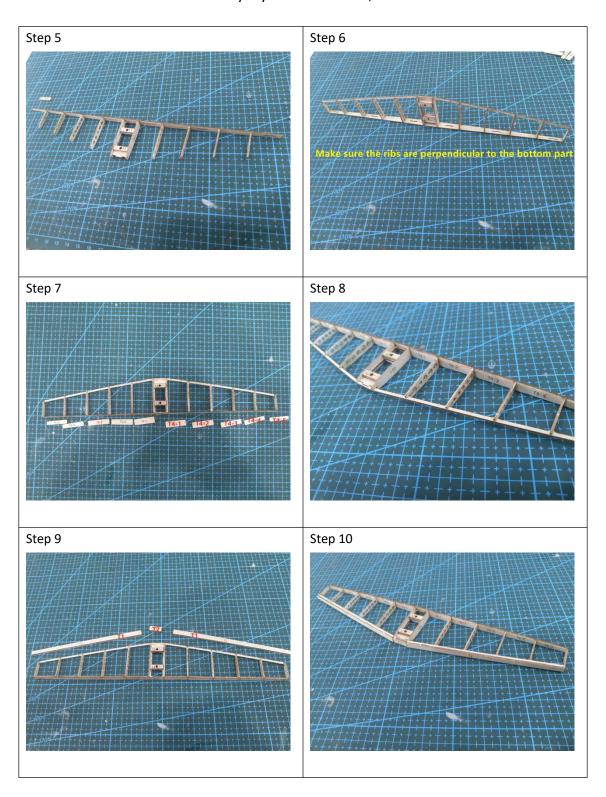


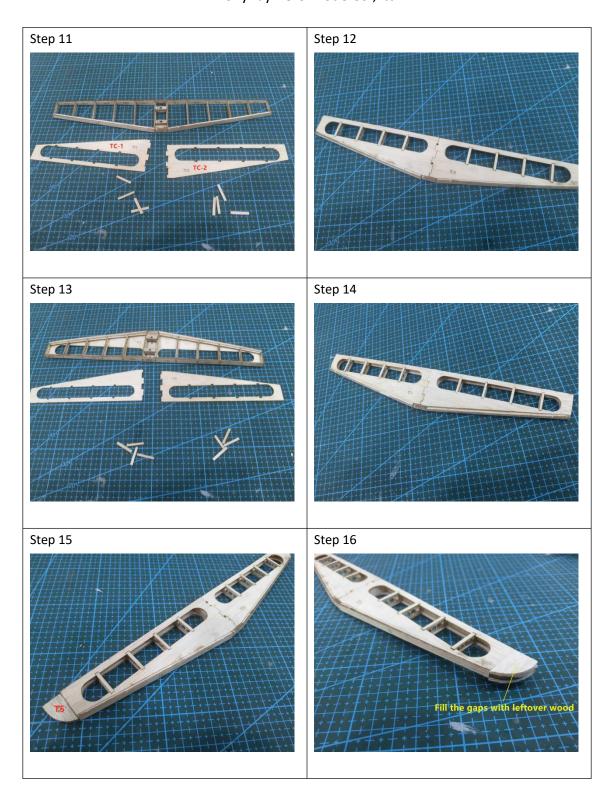


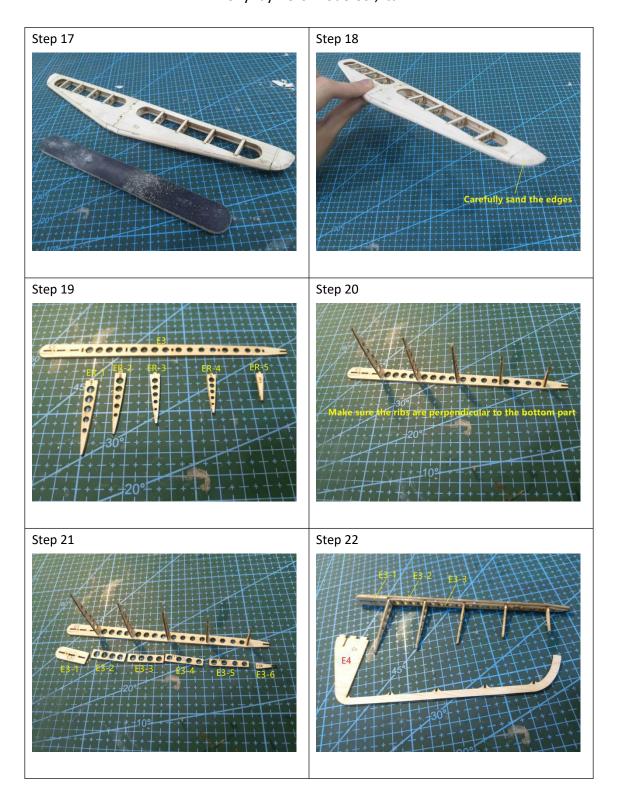


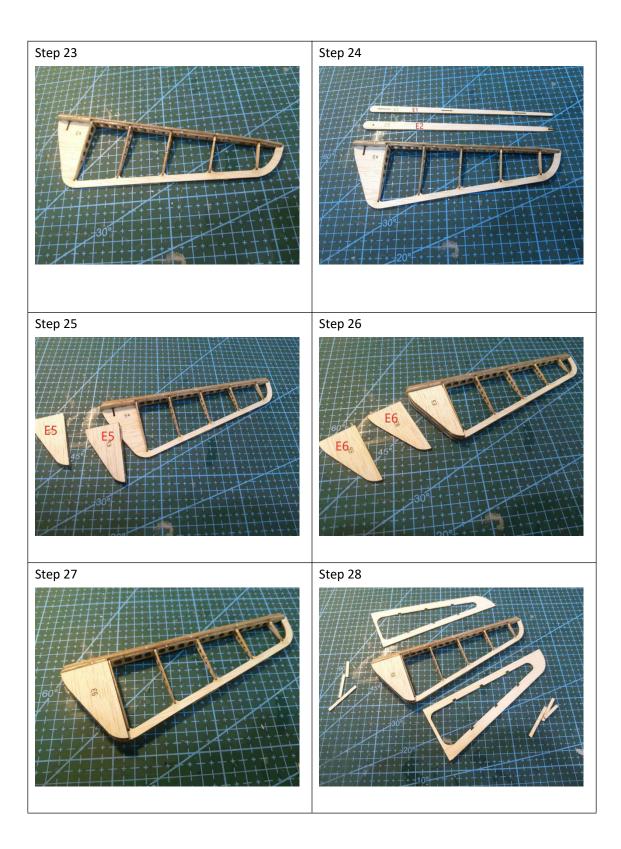
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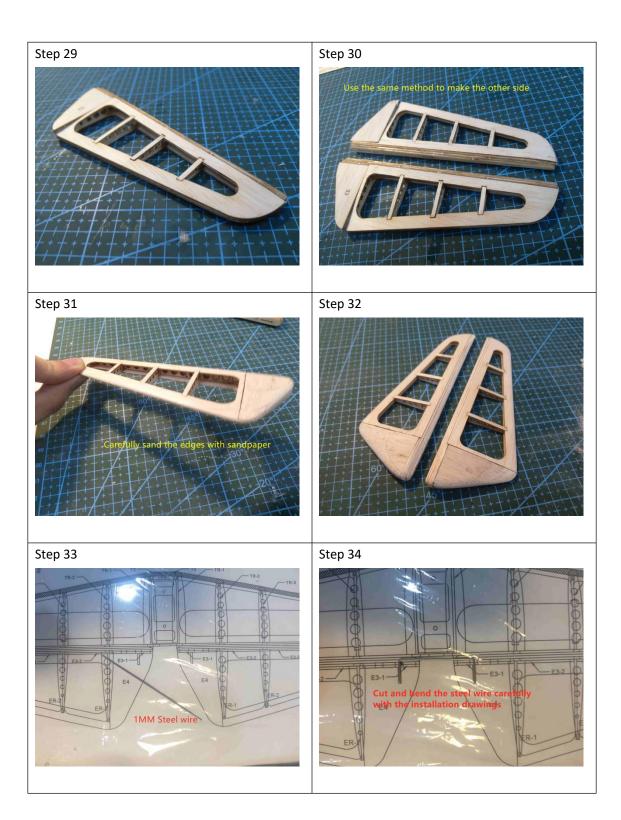


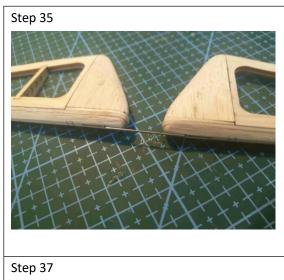


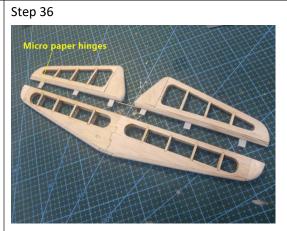


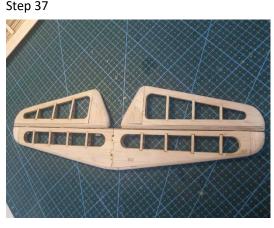




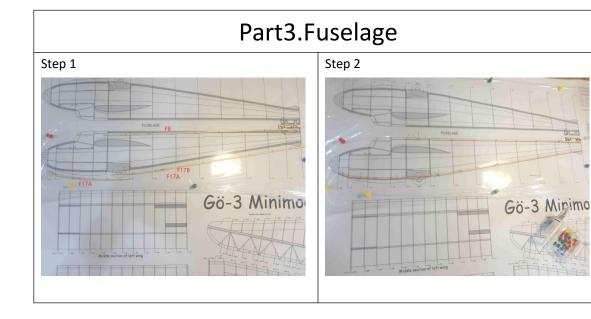


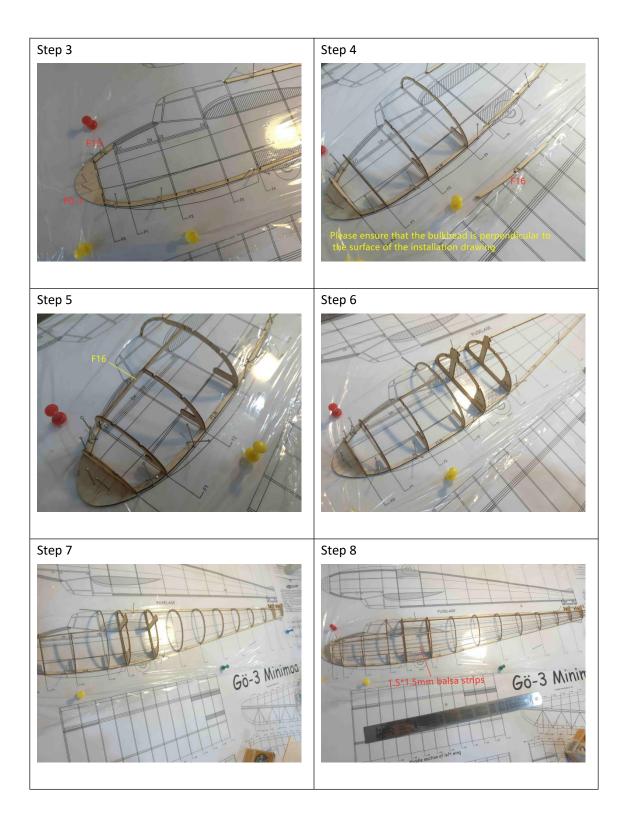


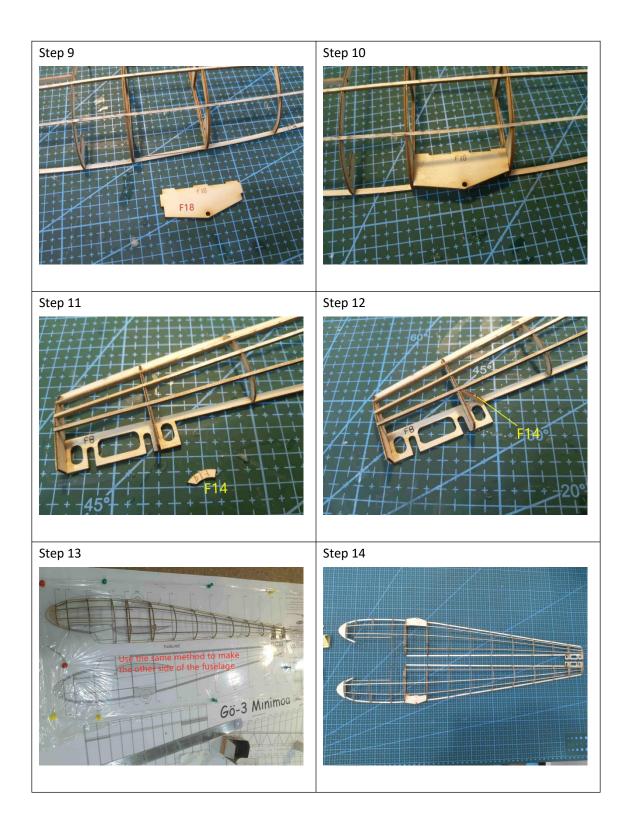


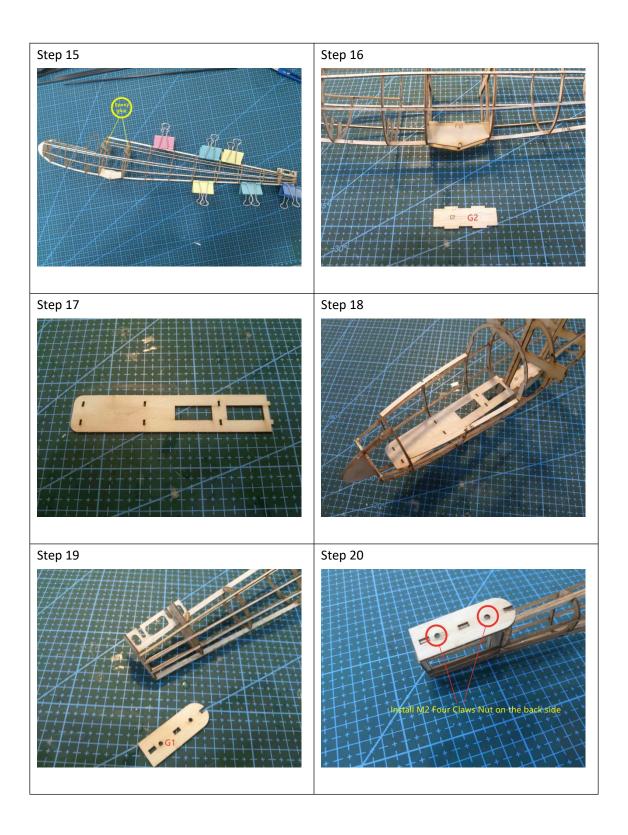


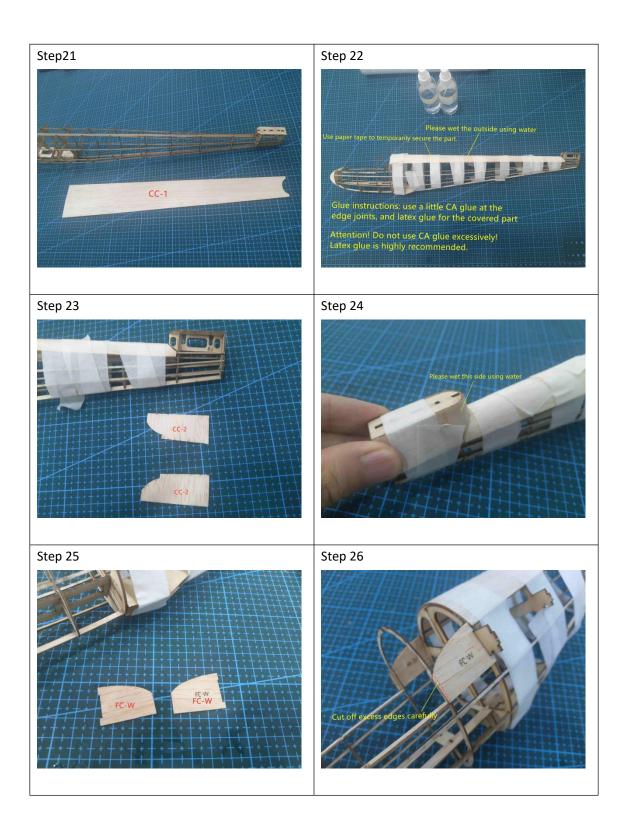


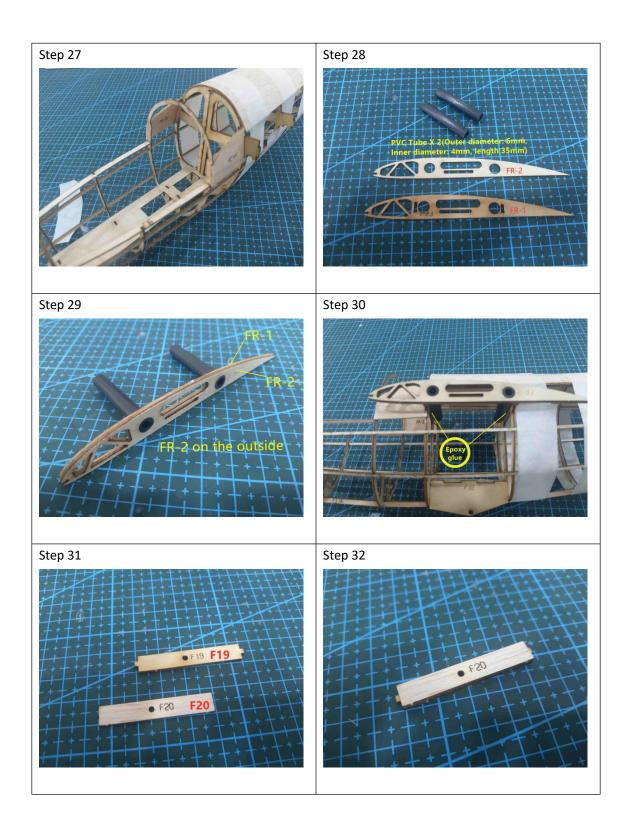


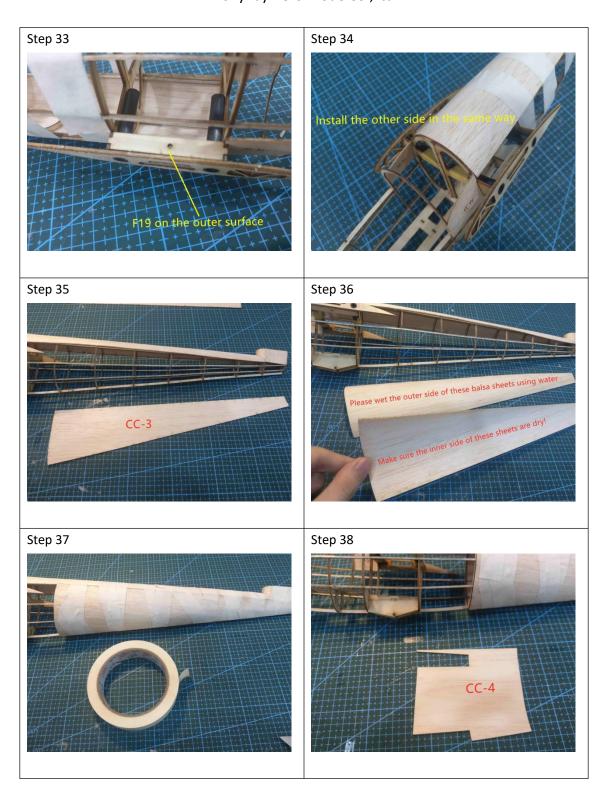


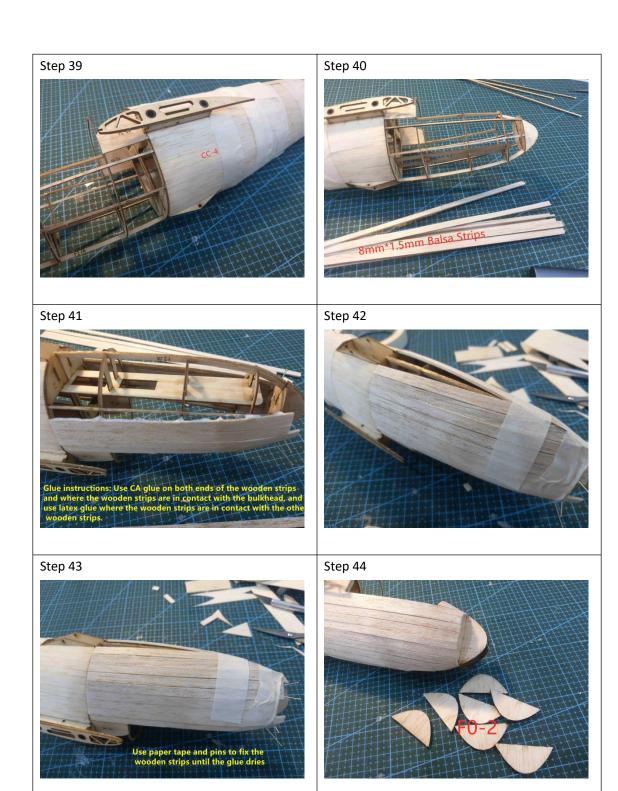


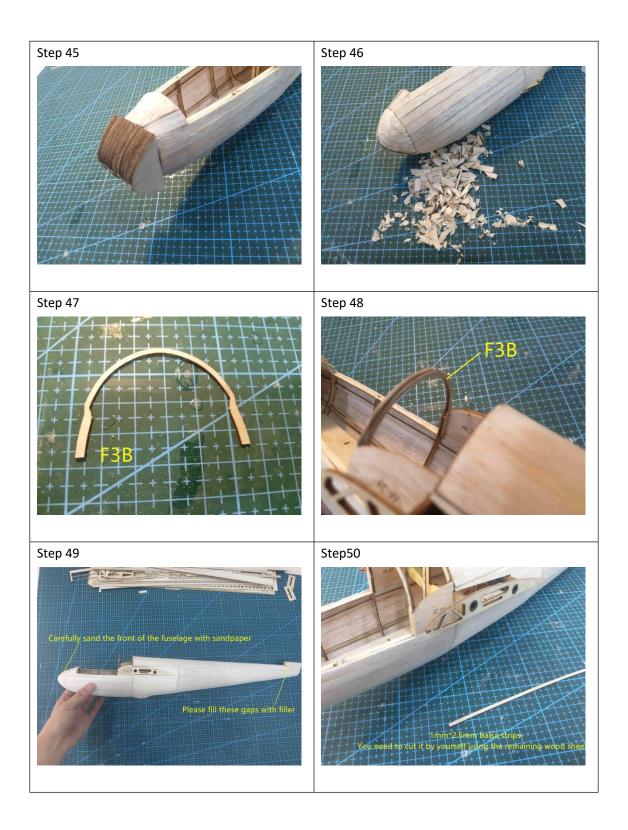


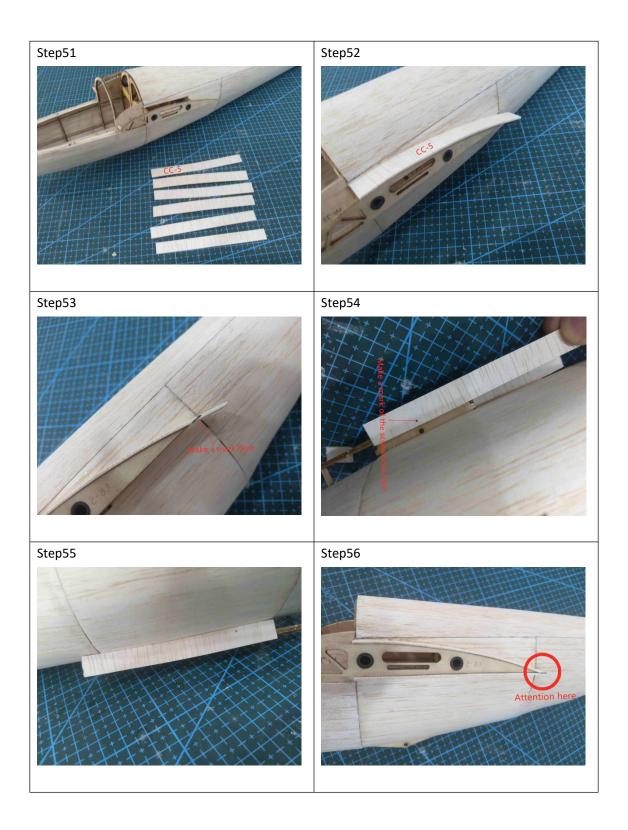


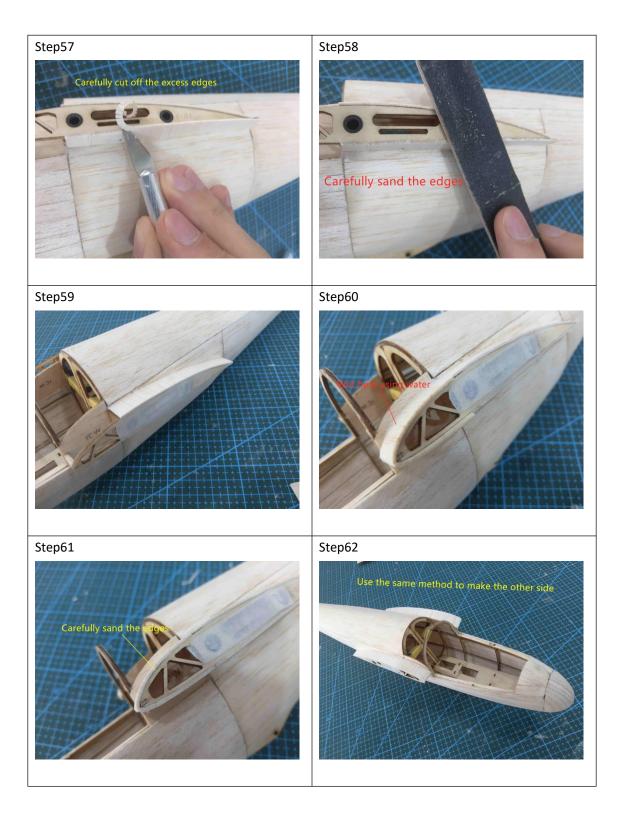


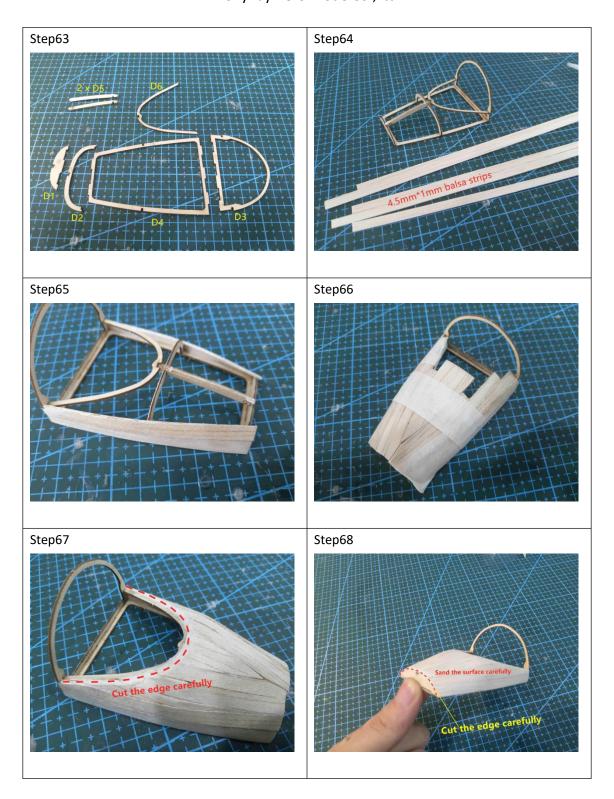


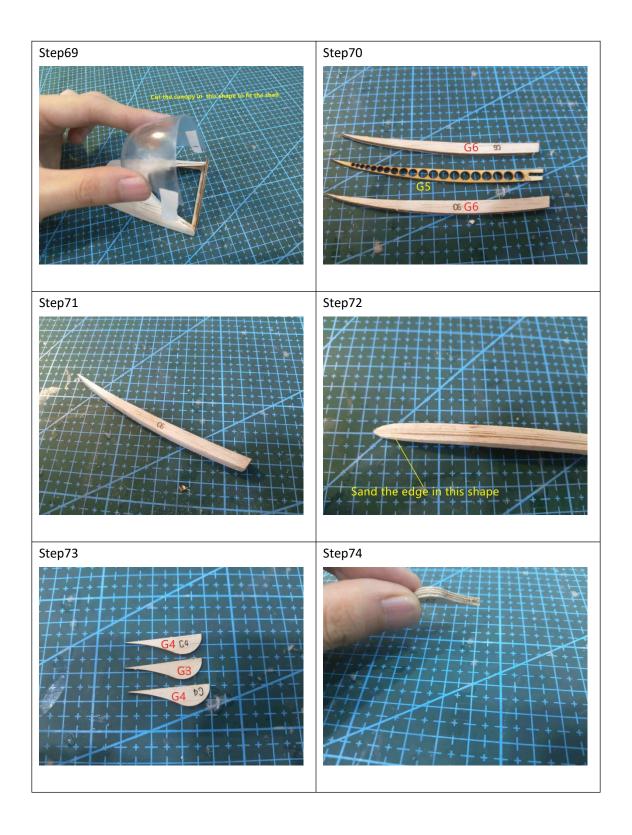








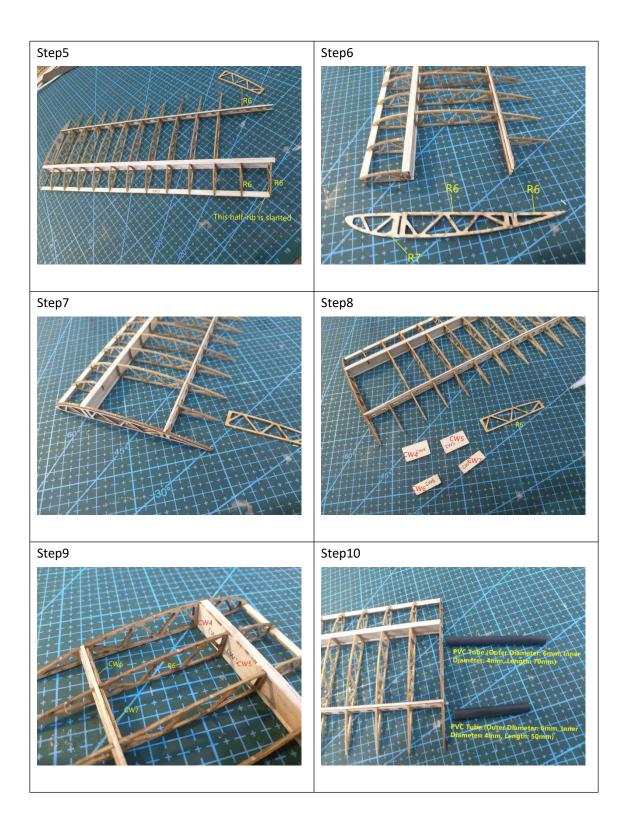


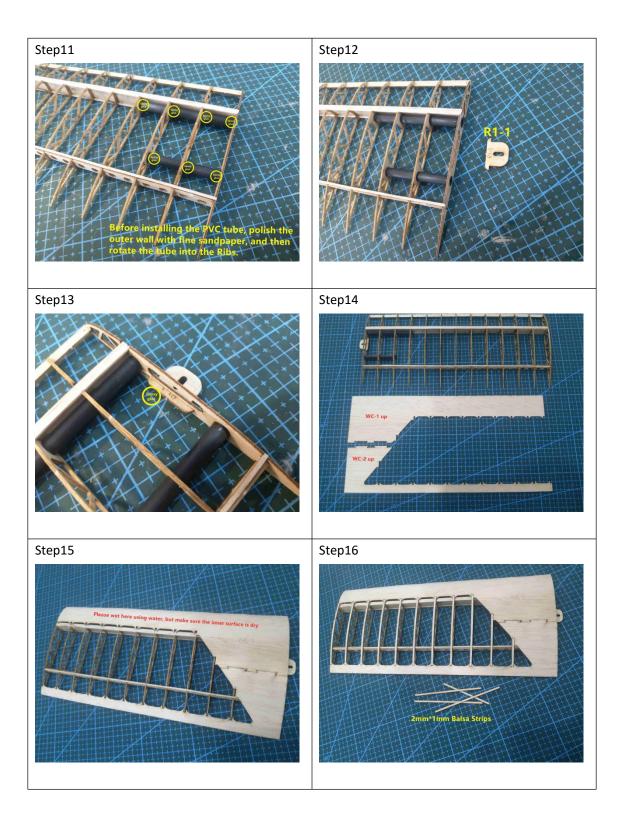


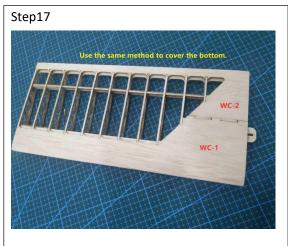


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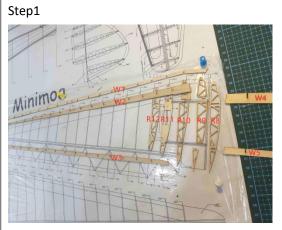




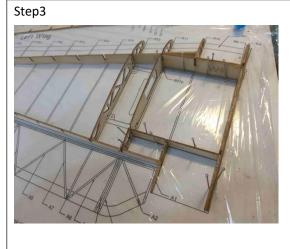


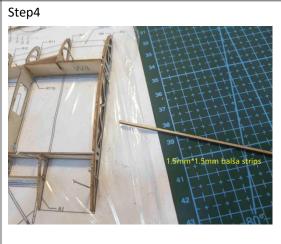


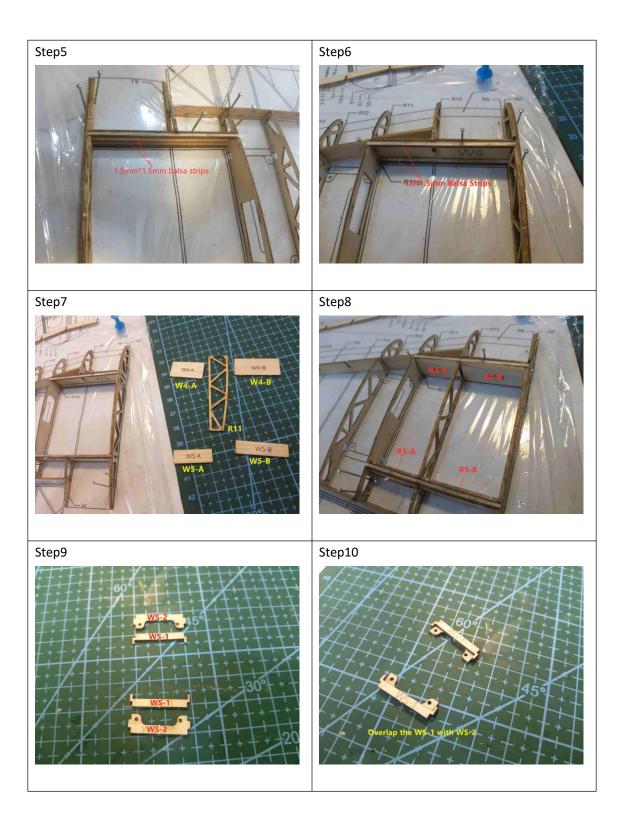
Part5.Outer Wing Section

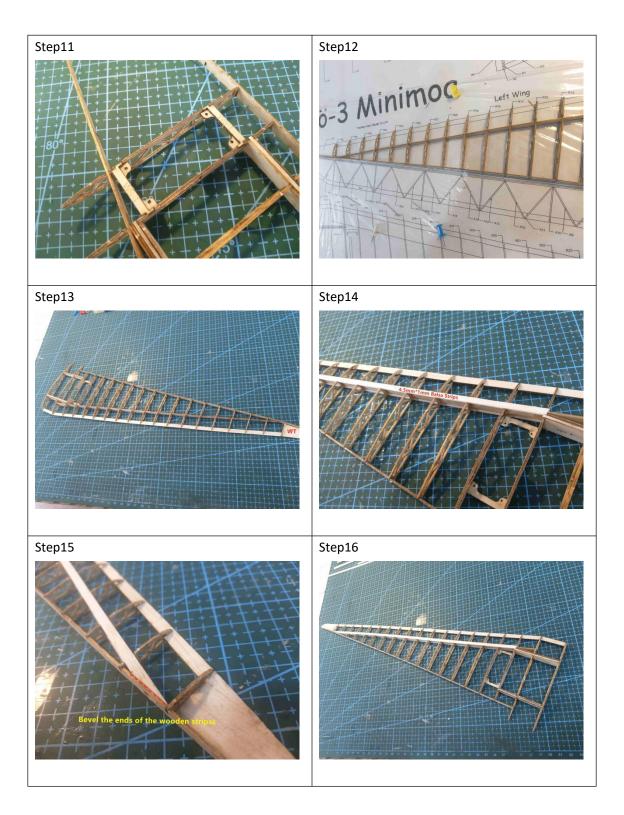


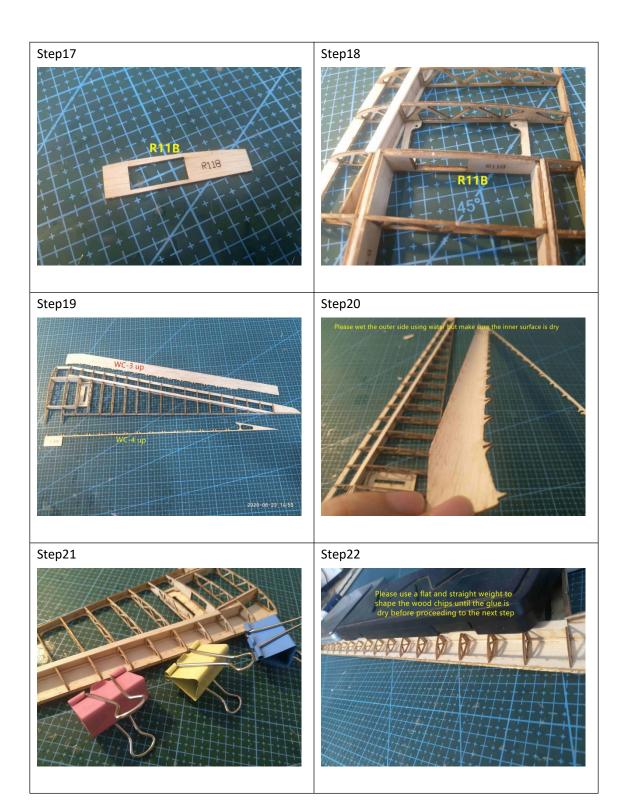


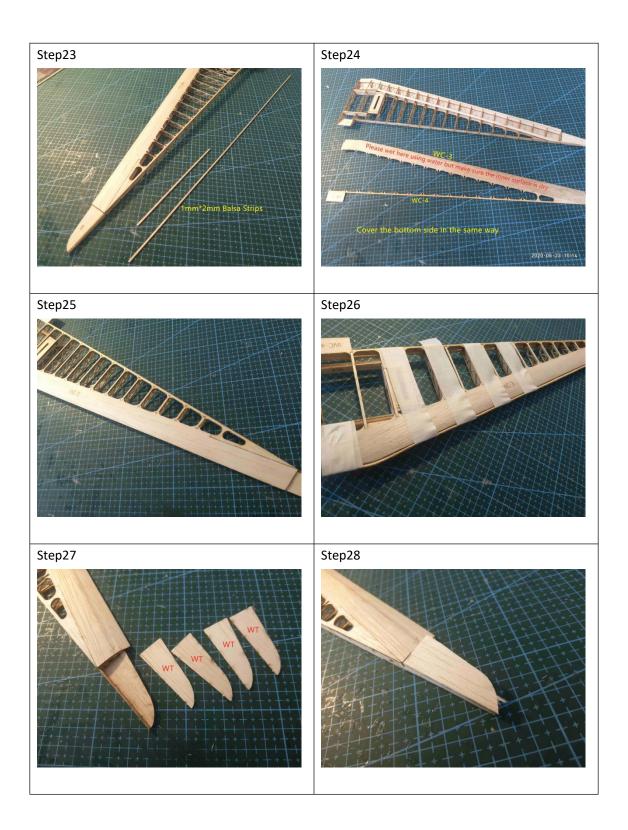


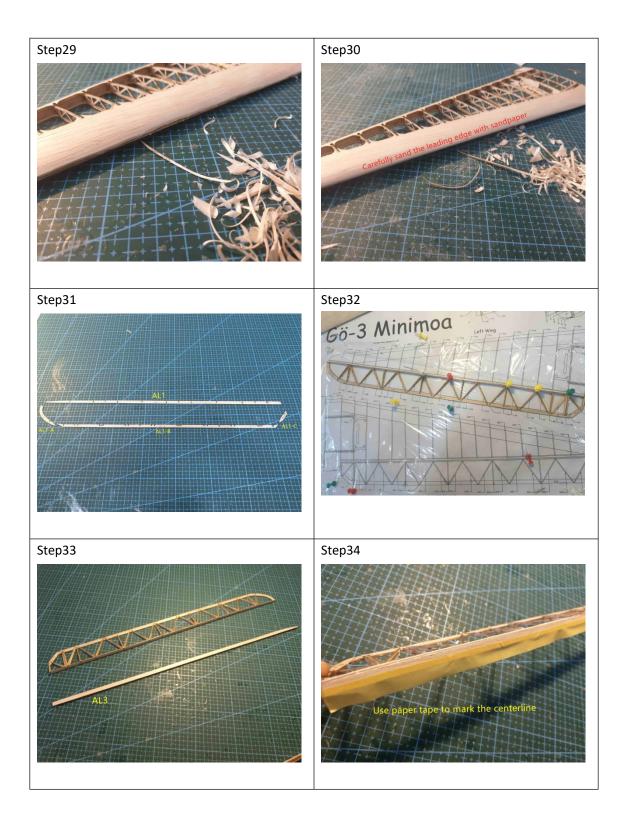


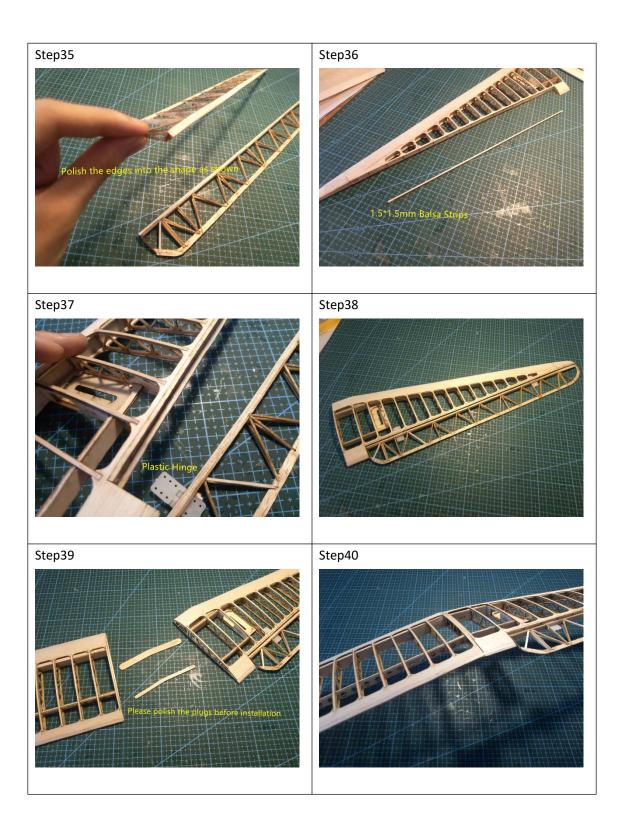










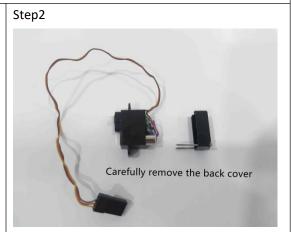


Part6.Electronics

Note: Before you cover the wings, you should install the aileron servos in advance

Step1

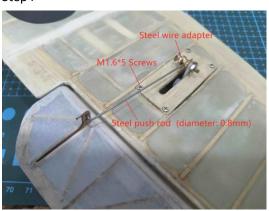




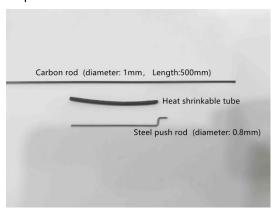
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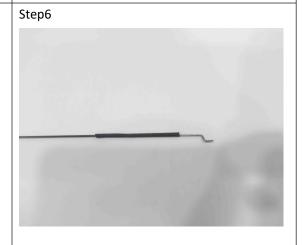


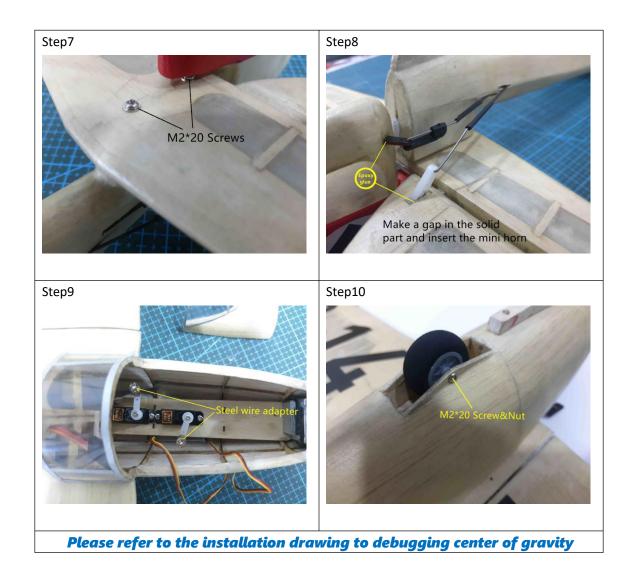




Step5







Thank you!

Appendix

If your 1.5mm plywood sheet missing the number of each components, Please refer to the picture below

