

Weihe50

Build instructions



<i>Specifications</i>	
Wing Span	109 in / 2770mm
Wing Area	51.24 sq dm
Flying weight	1.2kg-1.4kg
Fuselage length	1241mm
Scale	1 / 6.5

<i>Requires</i>
RC transmitter with at least 4 channels
Tail: 9g servos(ES08/DS395)*2
Aileron: 9mm Thin servos (ES3301/ES3302)*2



Tony Ray's AeroModel

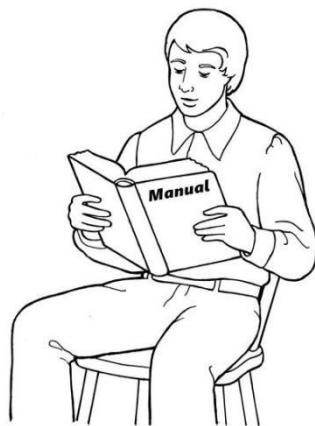
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BEFORE YOU BEGIN

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		
Item:	Mark	Quantity
1. 0mm Balsa	E series: E1-E2	2
1. 5mm balsa	A series: A1-A8	16
3. 0mm balsa	B series: B1-B4	7
1. 5mm Paulownia	C series: C1-C2	4
2. 0mm Plywood	D series: D1-D5	5
1. 5mm Plywood	F series: F1	1

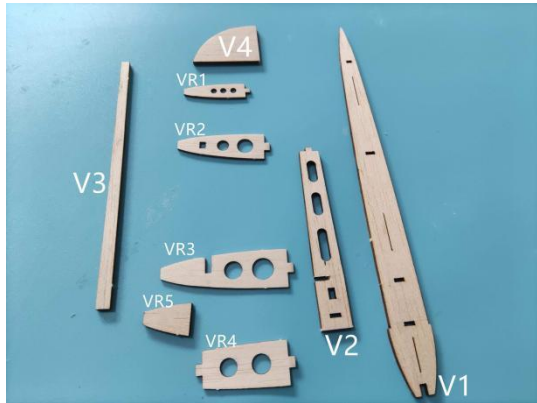
Wood Strips Inventory	
3*3mm Balsa (length 70+30cm)	8
3*3mm Pine (length 70+30cm)	2
4*4mm Pine (length 50cm)	4
2*6mm Pine (length 70+30cm)	5

Hardware parts	
Blister PVC canopy(Front)	1
PVC Tube	2
1.0mm Steel Wire	2
Plastic collet	2
Plastic Hinge	8
Paper Hinge	1
M2*8 Screws (Spacer Version)	10
M2*10 Screws	4
M3*25 Screws	3
M2 Screw nut	4
M3 Four Claws Nut	3
M2 Steel push rod (Thread at both ends Length:25mm)	2
Rudder horn	4
M2 ball joint connector	4
M5*2 Mini magnet	8

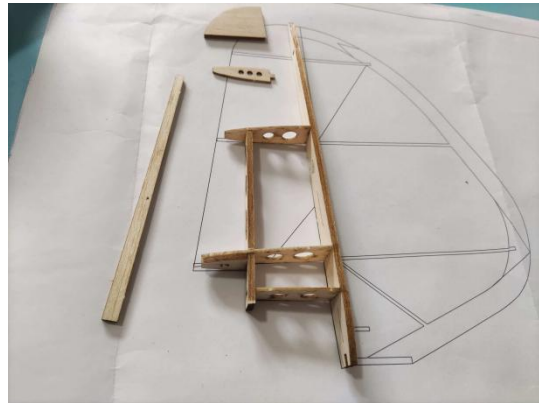
Paper parts	
1:1 drawings	2

Part1.Vertical Tail

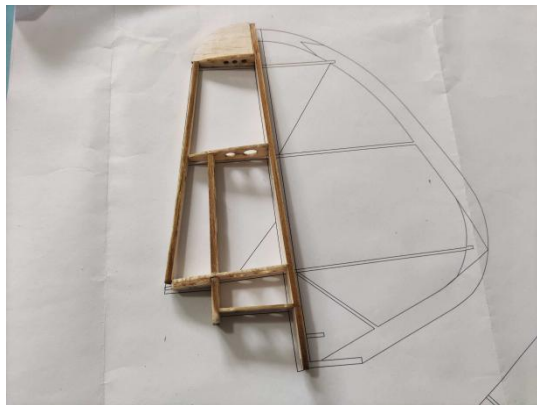
Step 1



Step 2



Step 3



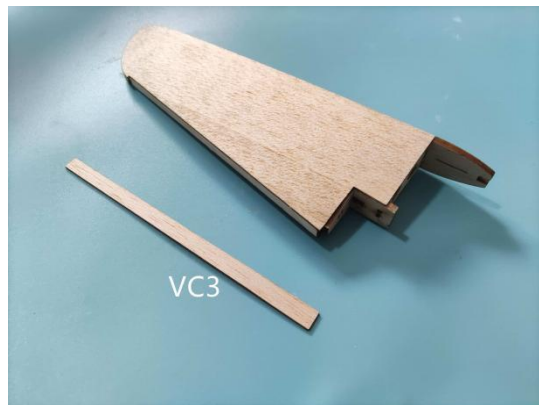
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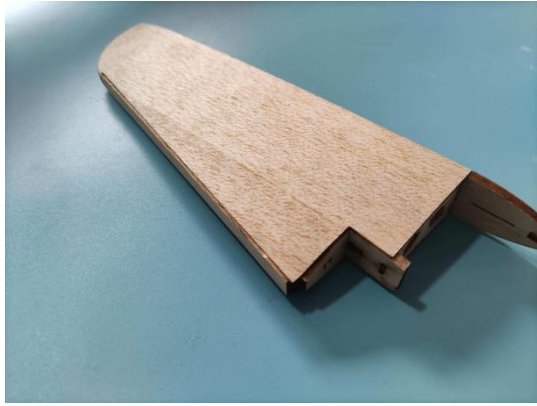
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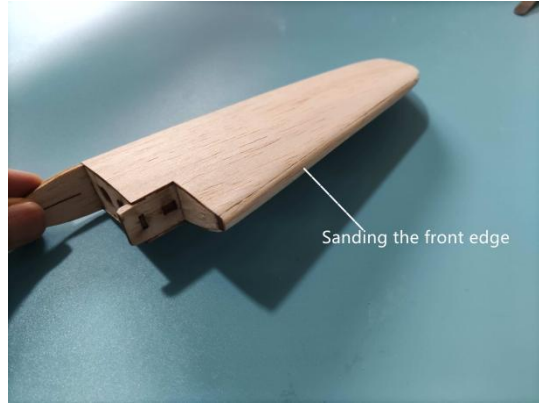
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Step 7

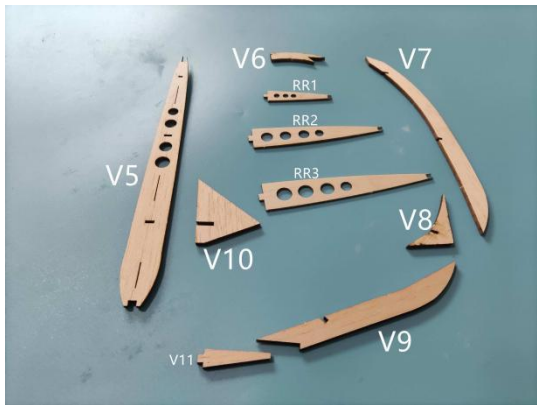


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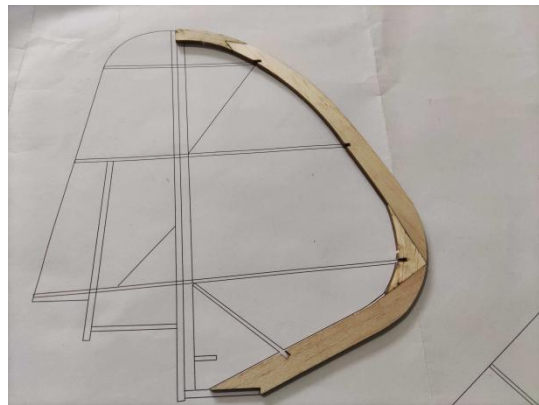


Sanding the front edge

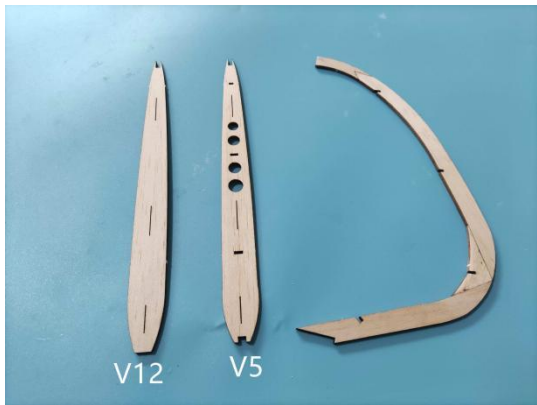
Step 9



Step 10



Step 11



Step 12



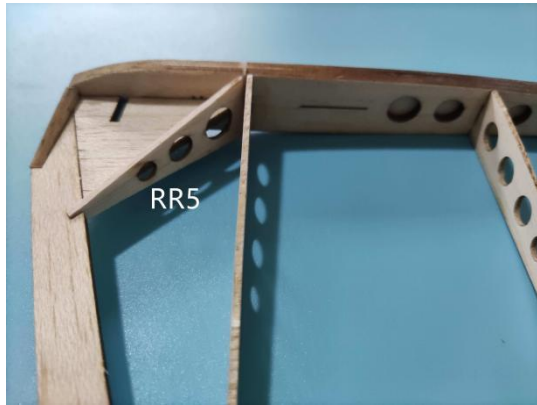
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Step 14



Step 15



Step 16



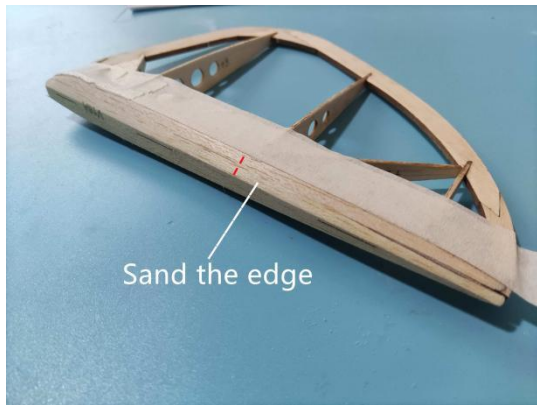
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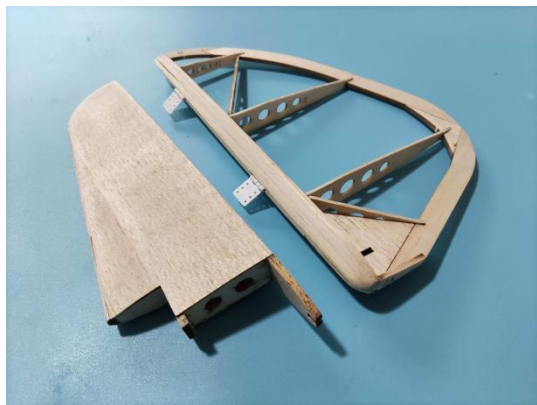
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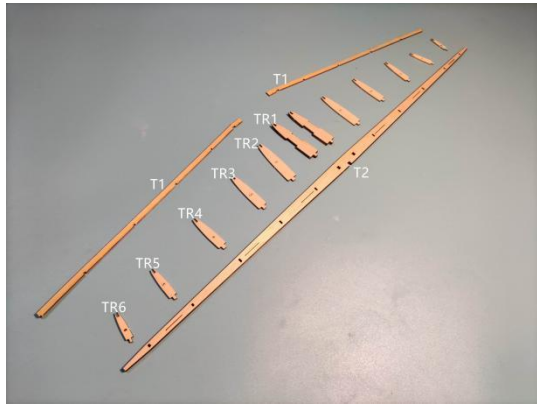
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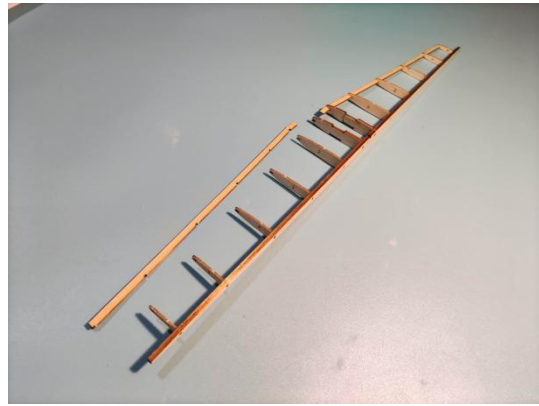
Builder's note:

Part2. Horizontal Tail

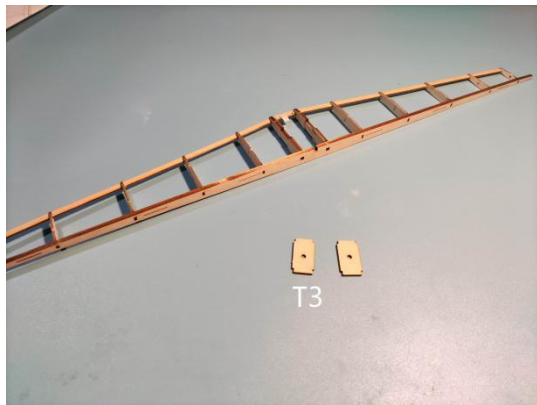
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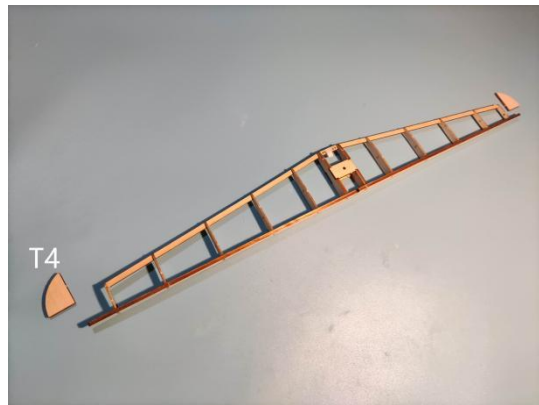
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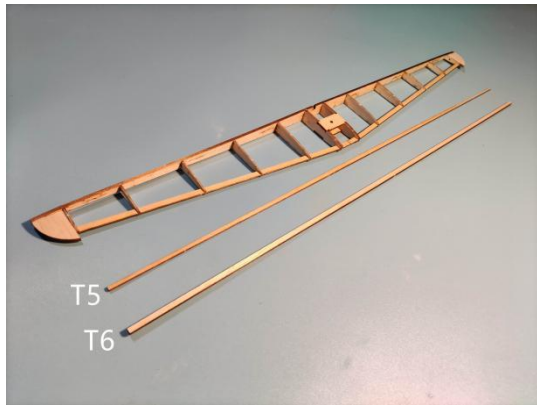
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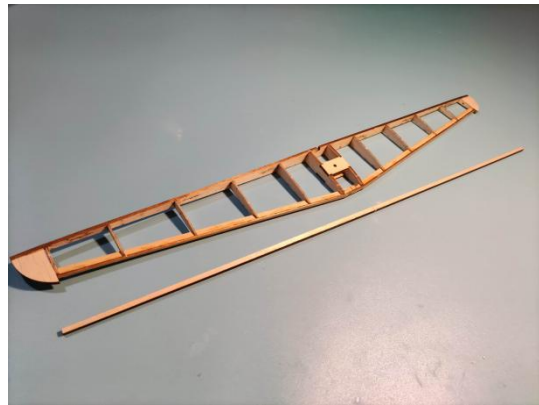
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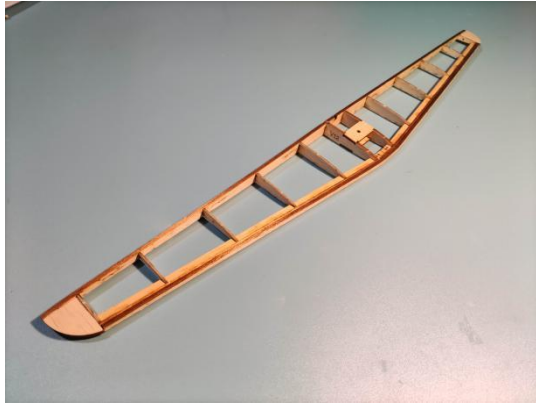
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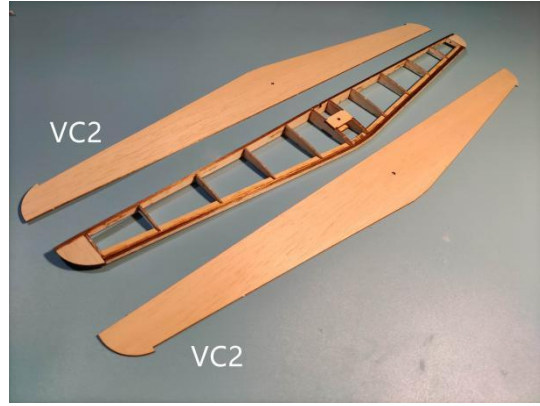
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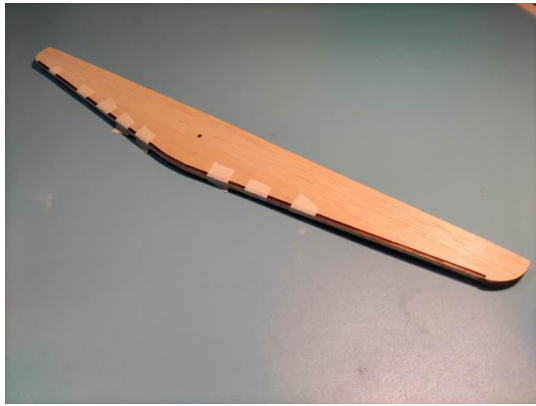
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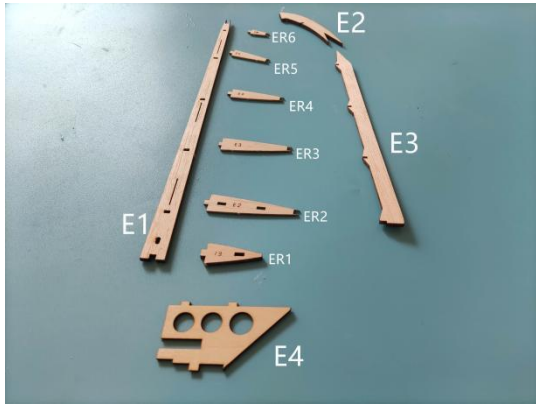
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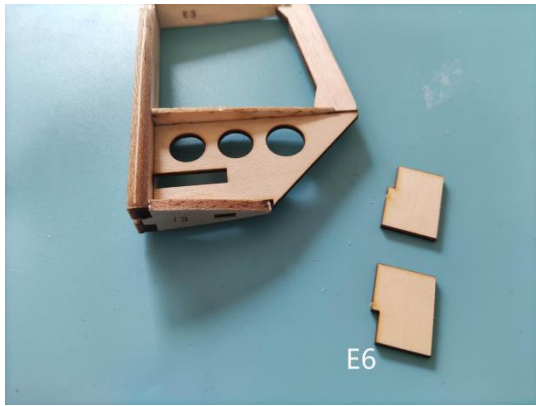
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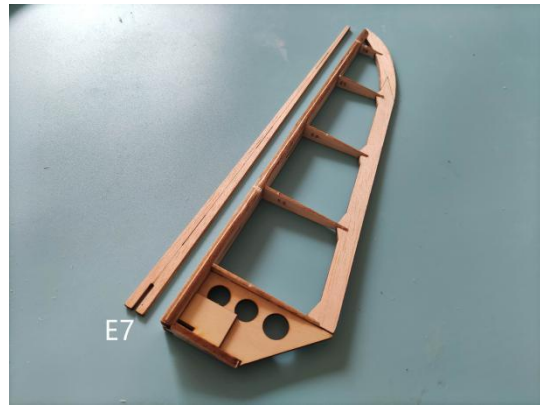
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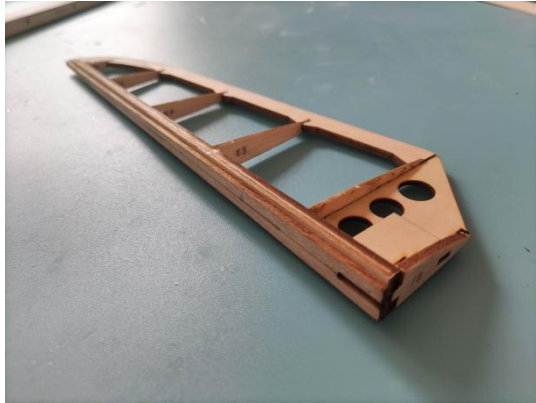
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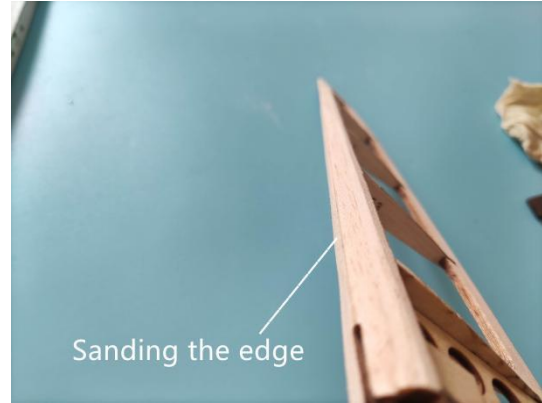
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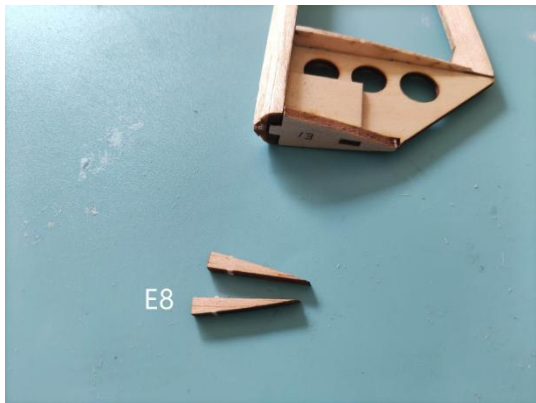
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Step 16



Step 17



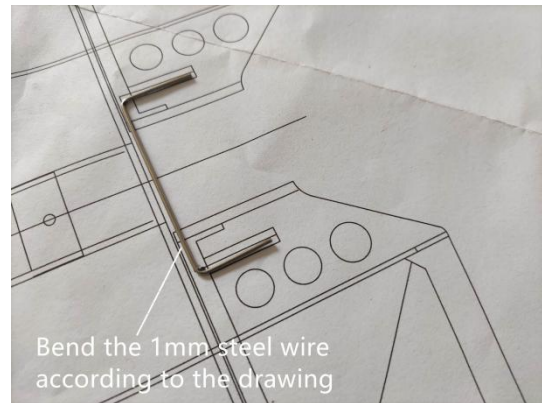
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Step 19



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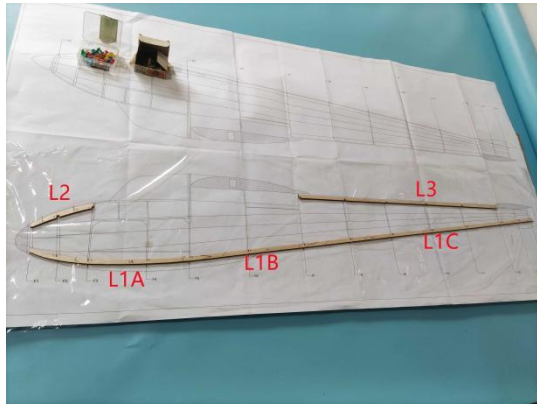
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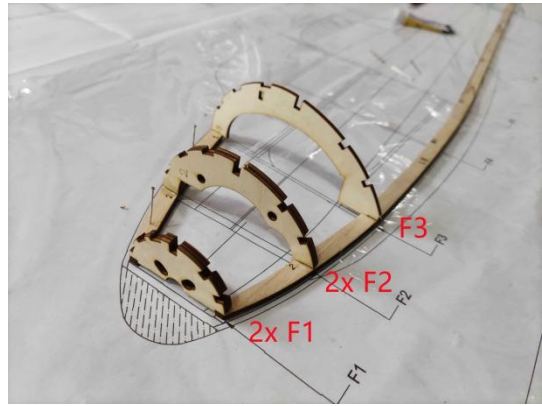
Builder's note:

Part3. Fuselage I

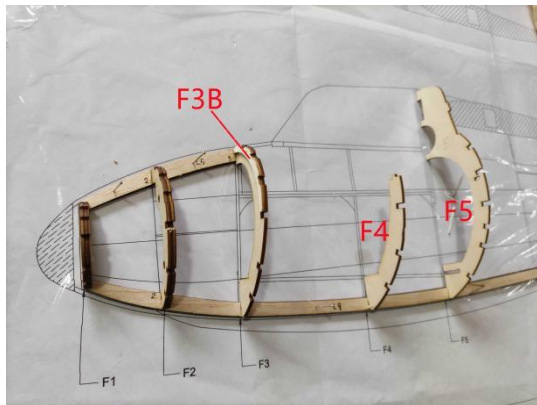
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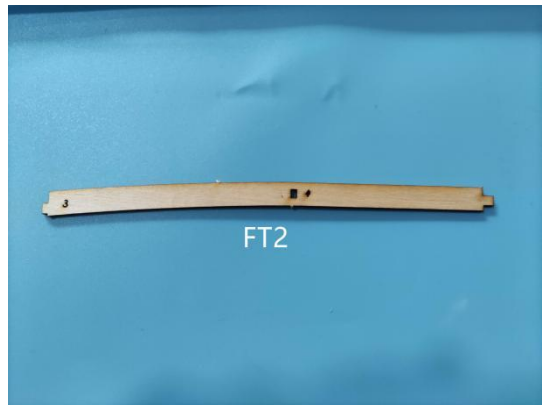
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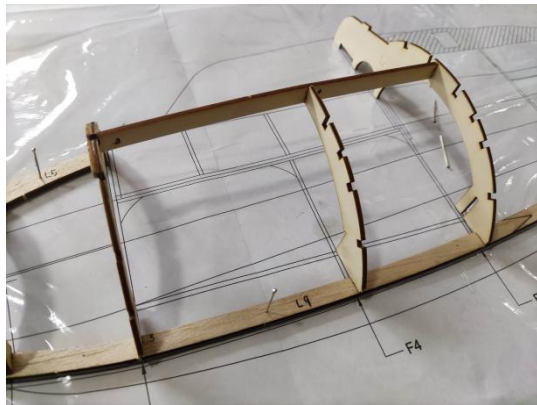
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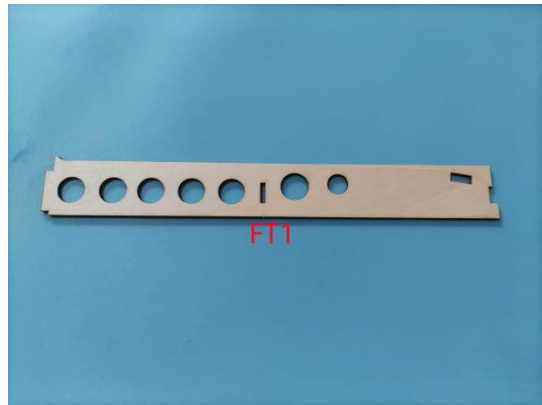
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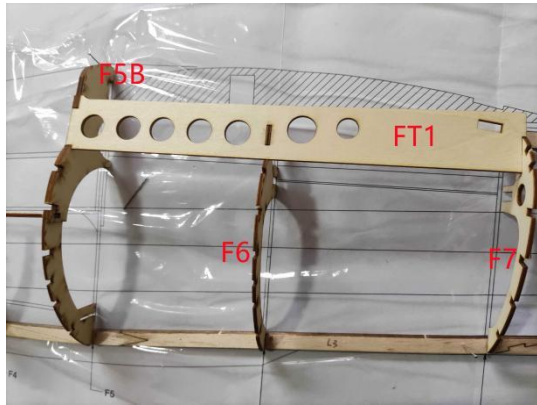
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Step 6



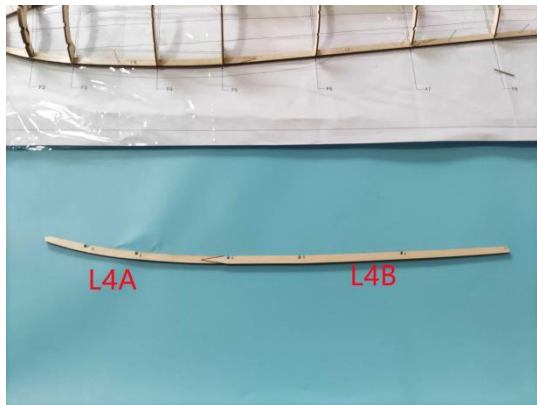
Step 7



Step 8



Step 9



Step 10



Step 11



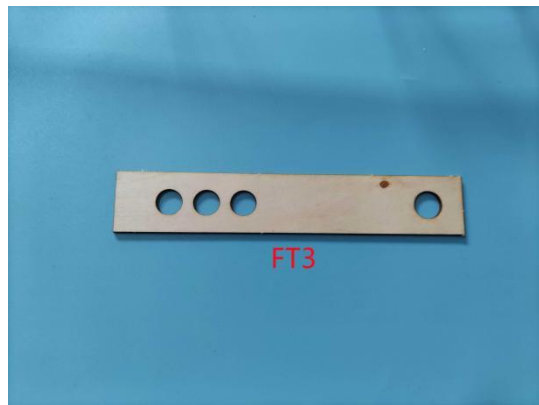
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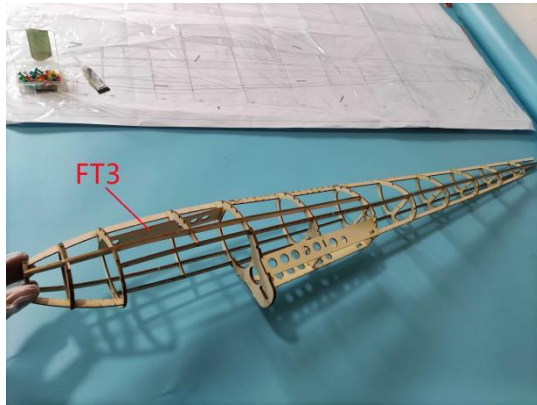
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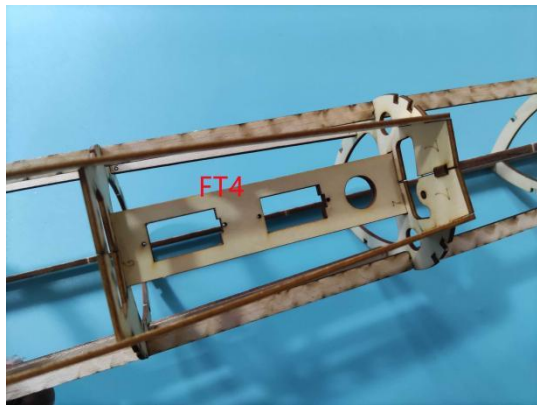
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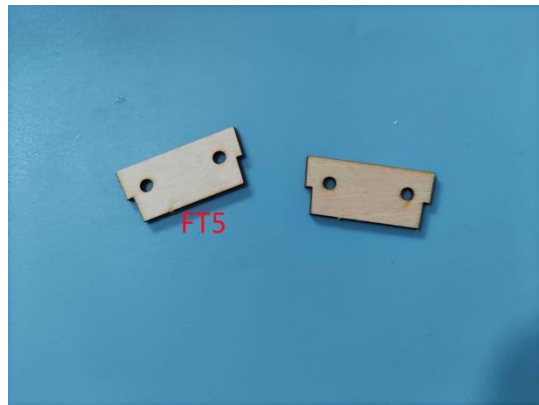
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Step 17



Step 18



Step 19



Step 20



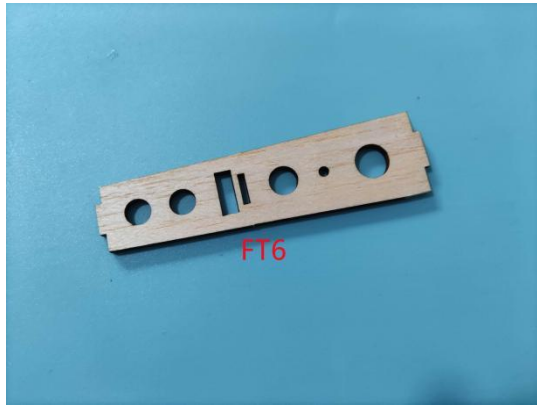
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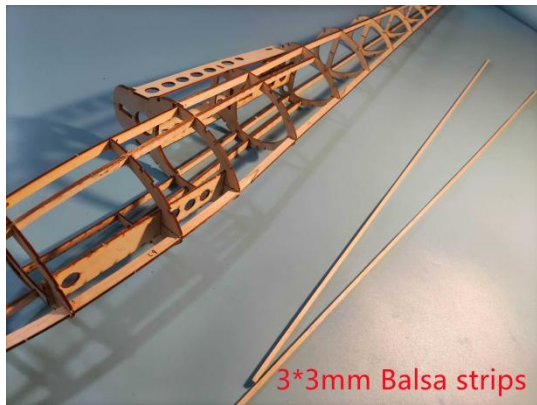
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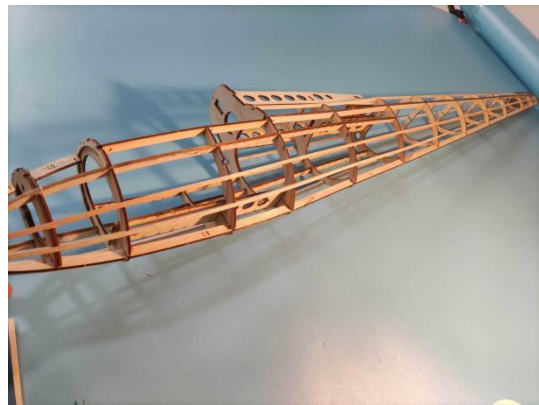
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Step 25



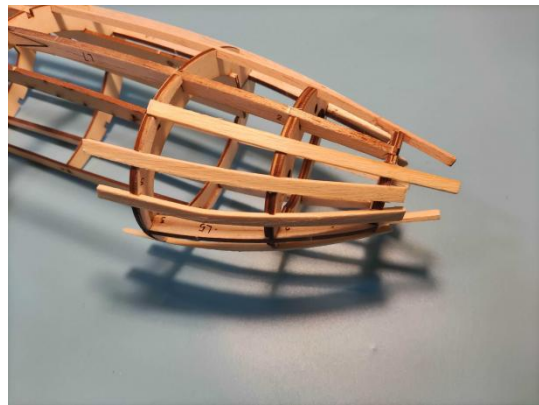
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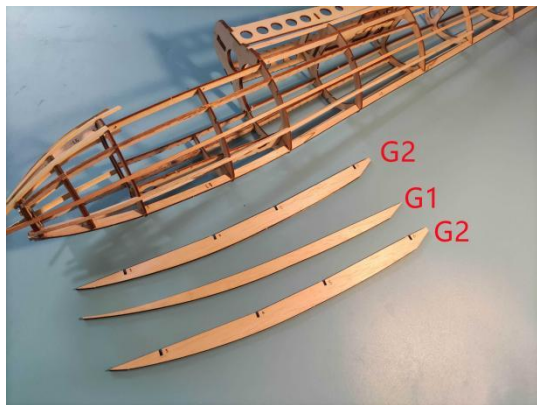
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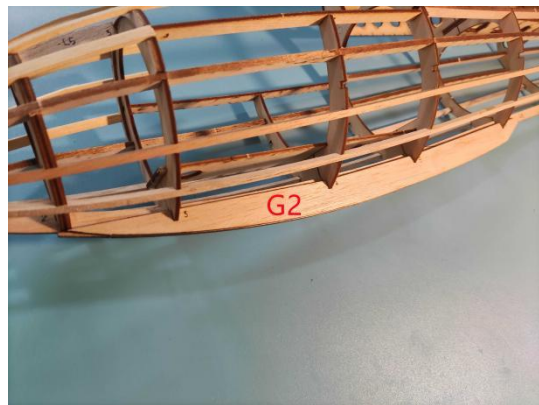
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Step 29



Step 30



Step 31



Step 32



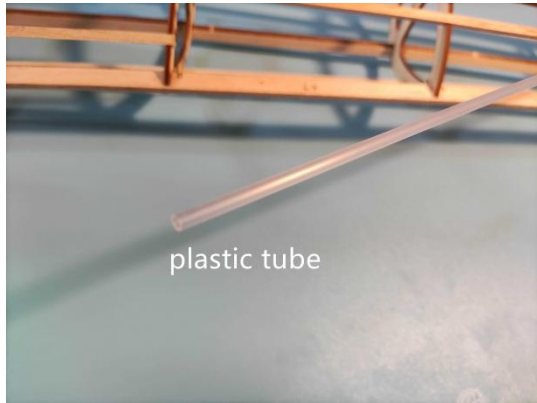
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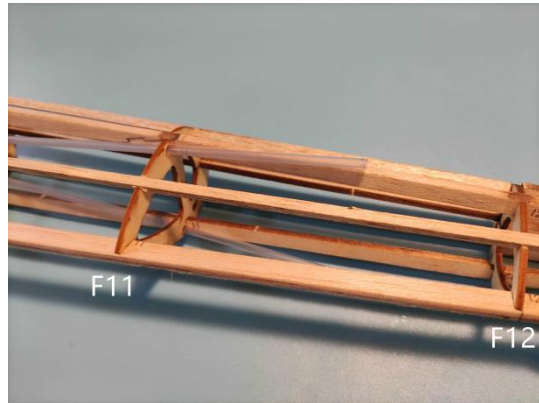
Builder's note:

Part4. Fuselage II

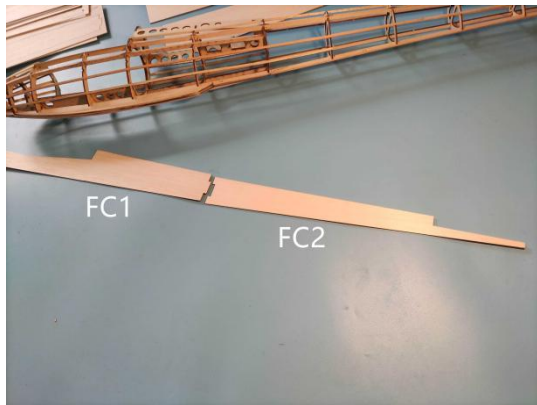
Step 1



Step 2



Step 3



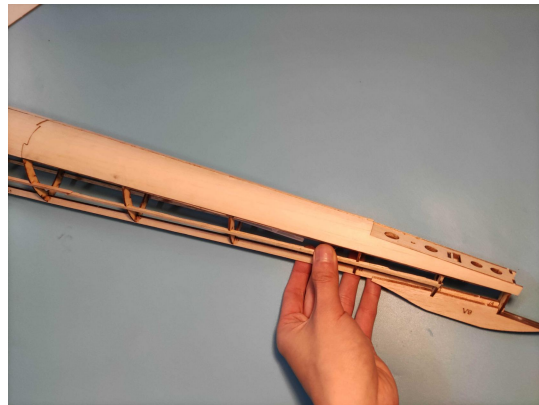
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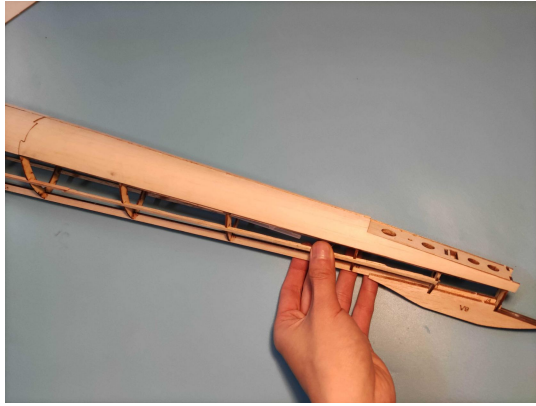
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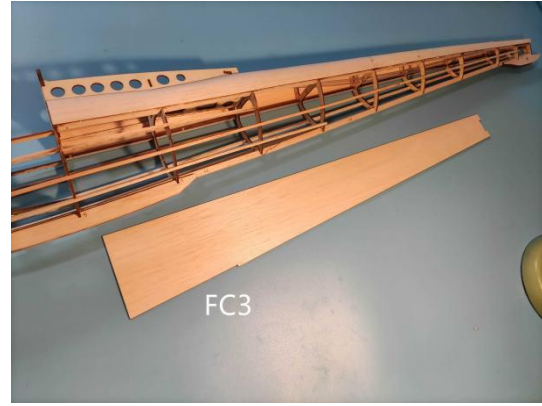
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Step 7



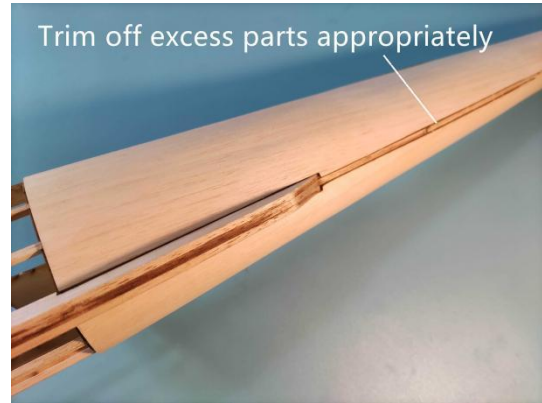
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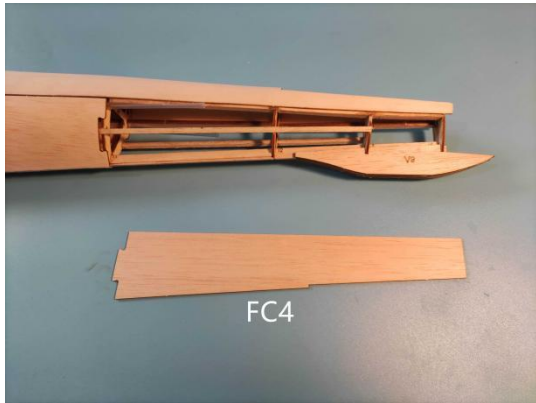
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Step 10



Step 11



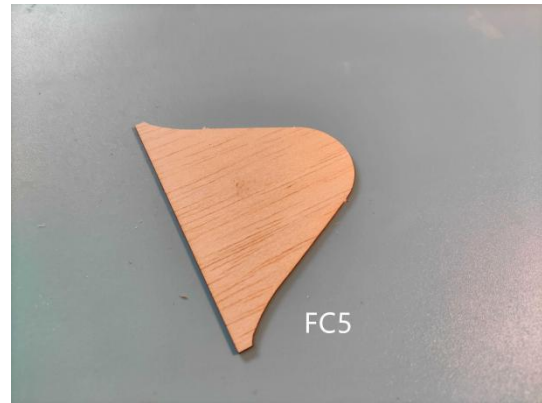
Step 12



Step 13



Step 14



Step 15



Step 16



Step 17



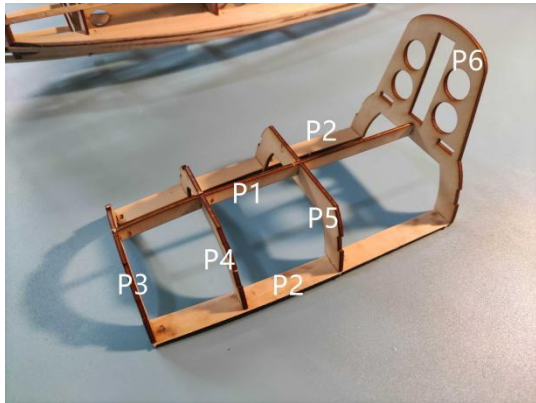
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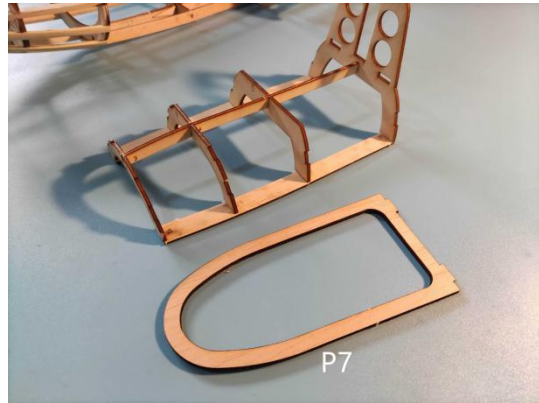
Builder's note:

Part5. Canopy

Step 1



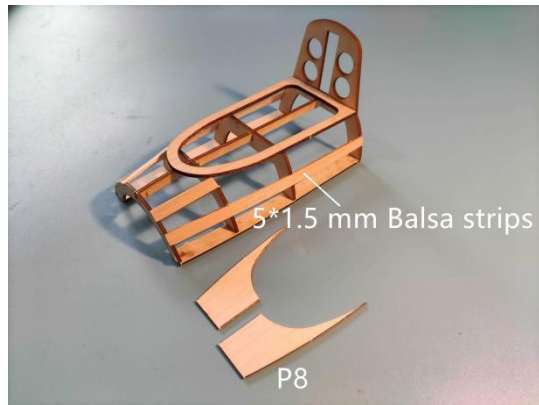
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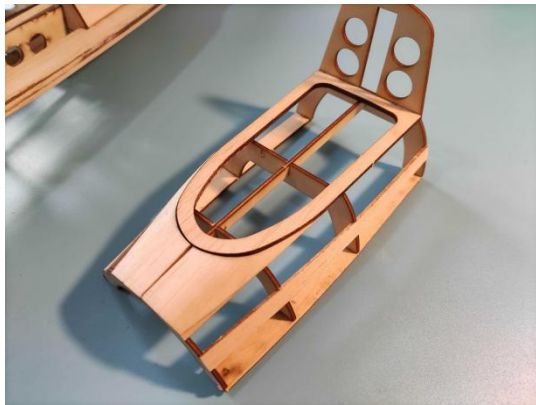
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Step 4



Step 5



Step 6



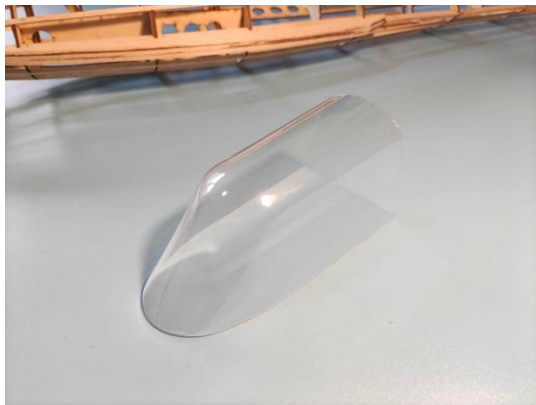
Step 7



Step 8



Step 9



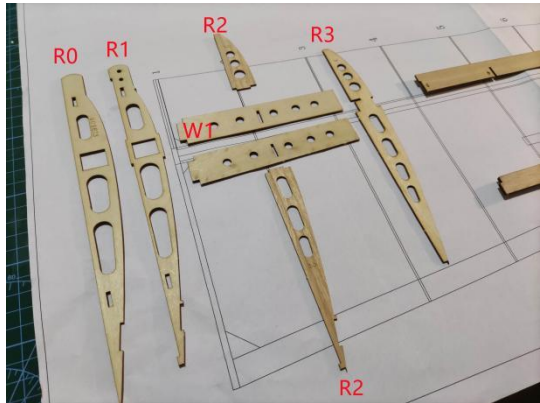
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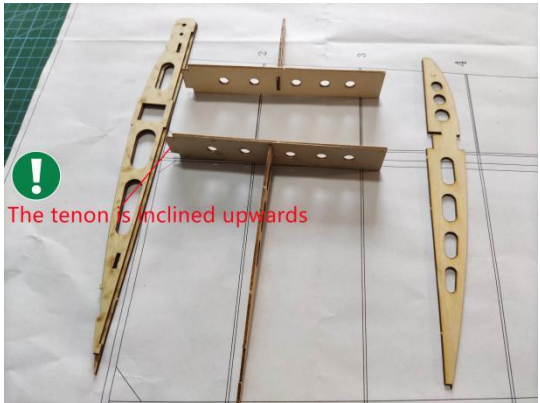
Builder's note:

Part6. The Wing

Step 1



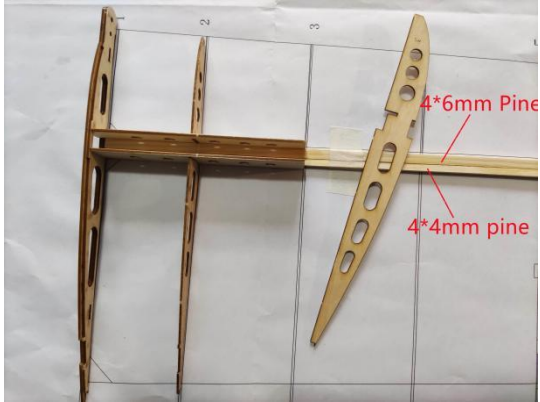
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Step 3



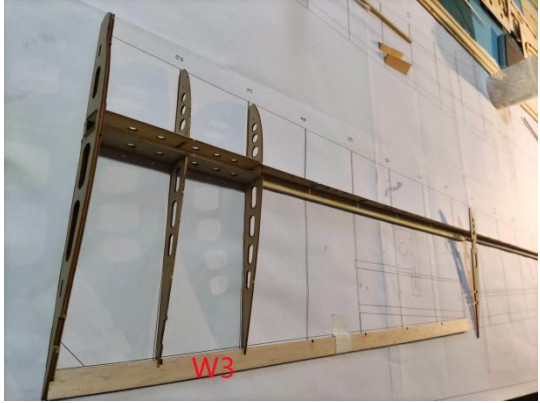
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Step 5



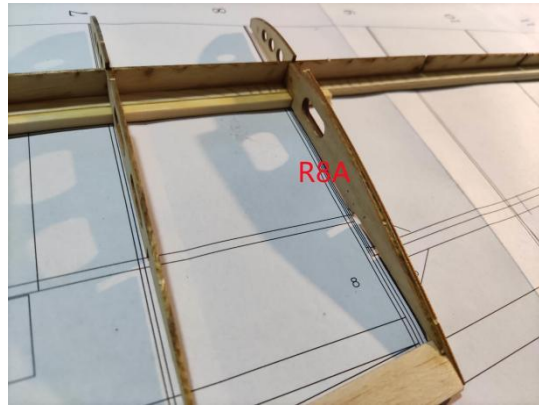
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Step 7



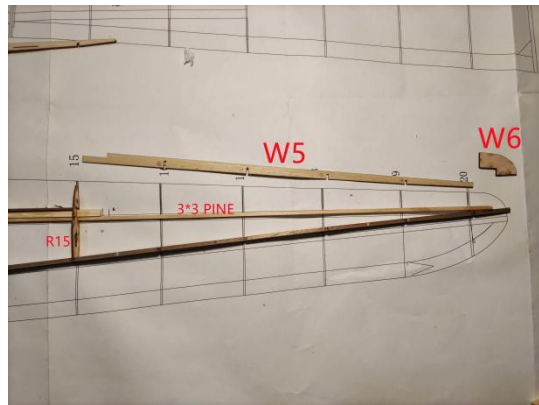
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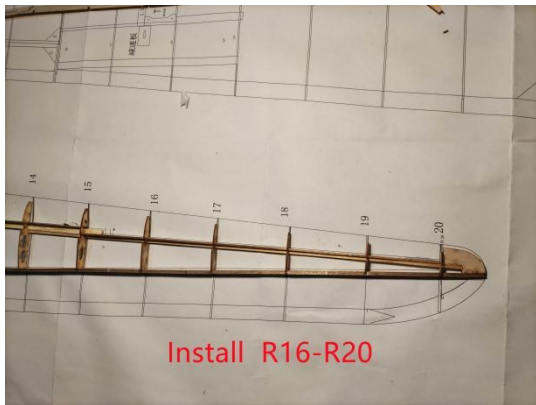
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Step 10



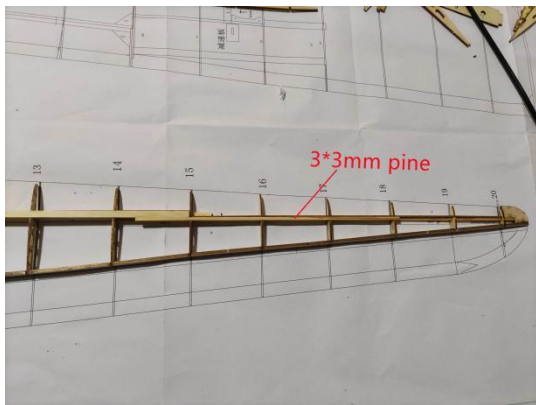
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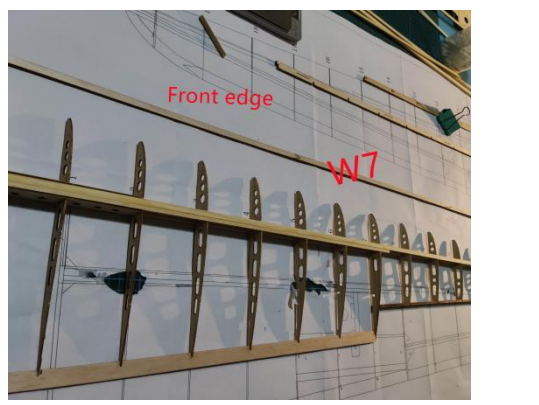
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Step 13



Step 14



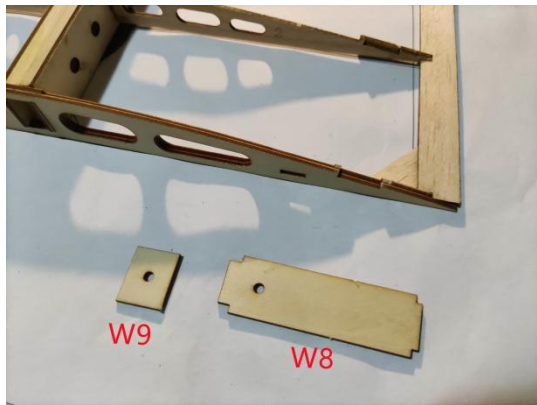
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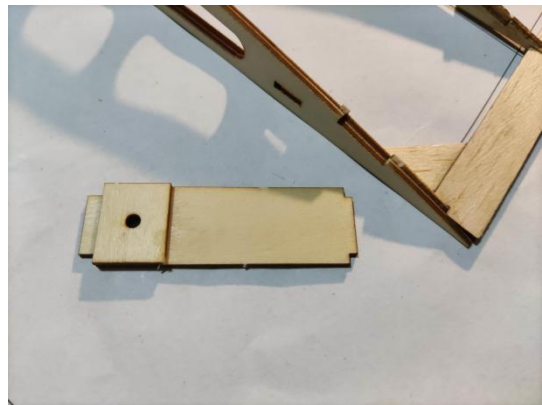
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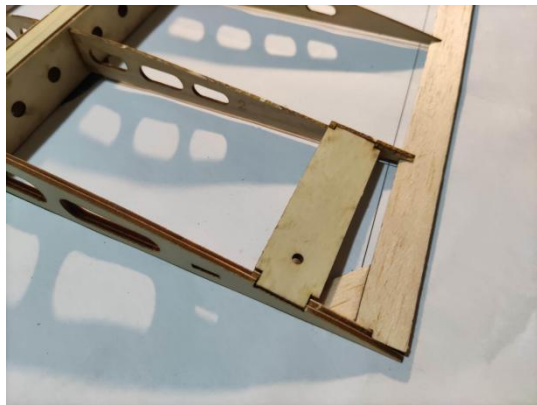
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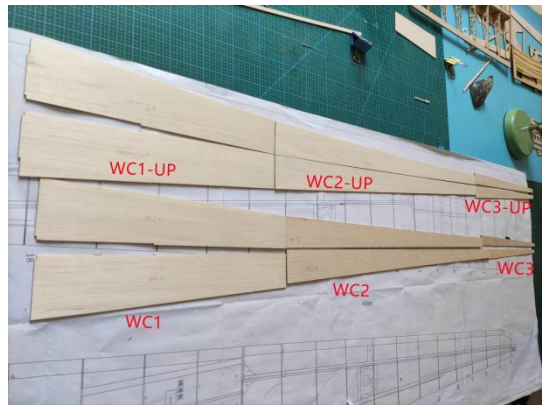
Step 18



Step 19



Step 20



Step 21



Step 22



Step 23



Step 24



Step 25



Step 26



Step 27



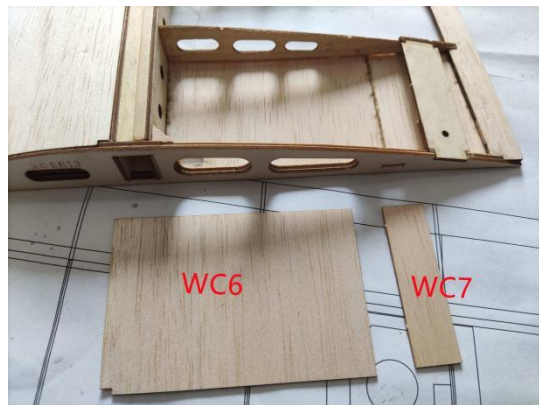
Step 28



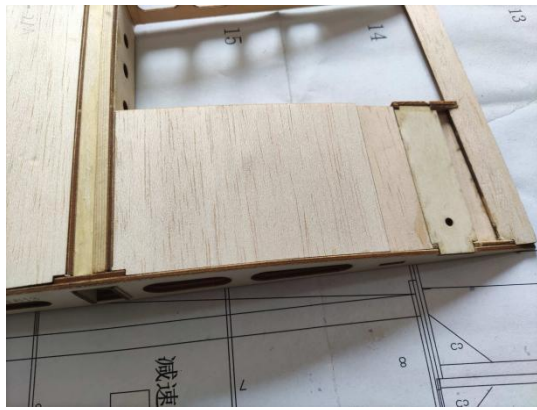
Step 29



Step 30



Step 31



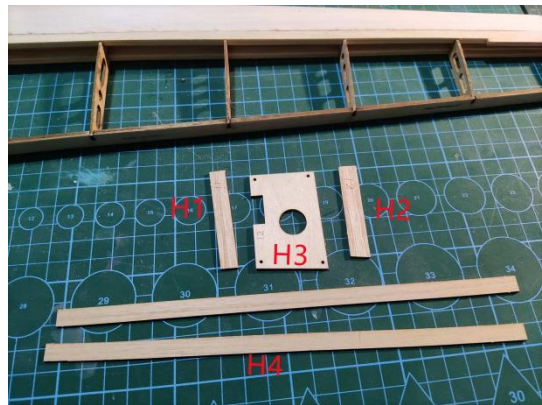
Step 32



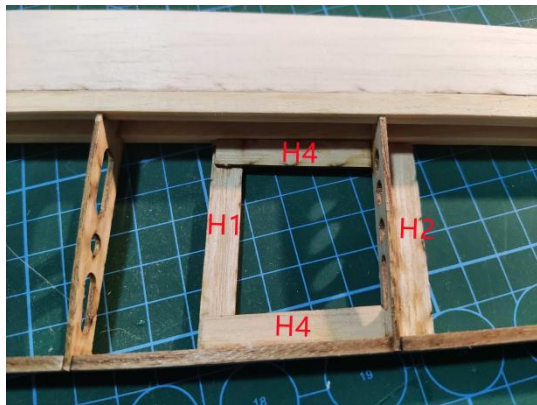
Step 33



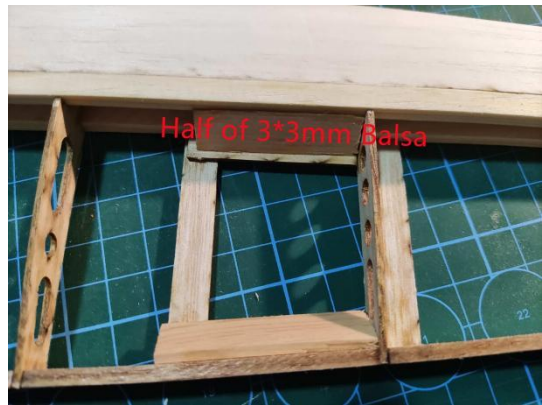
Step 34



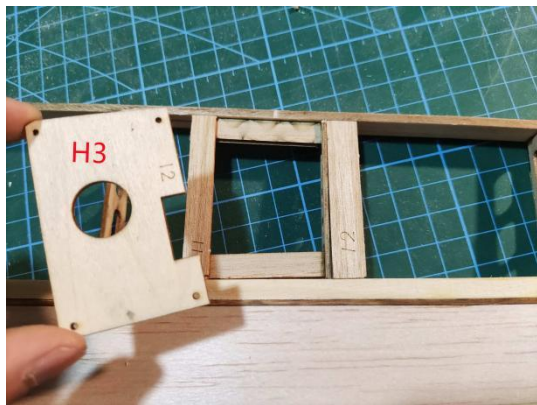
Step 35



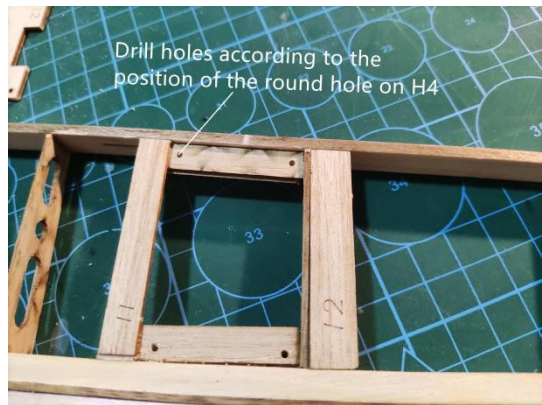
Step 36



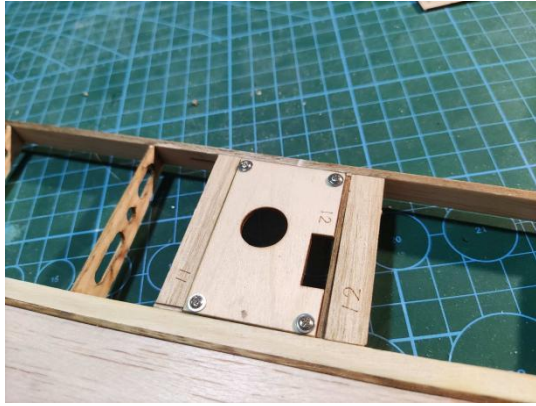
Step 37



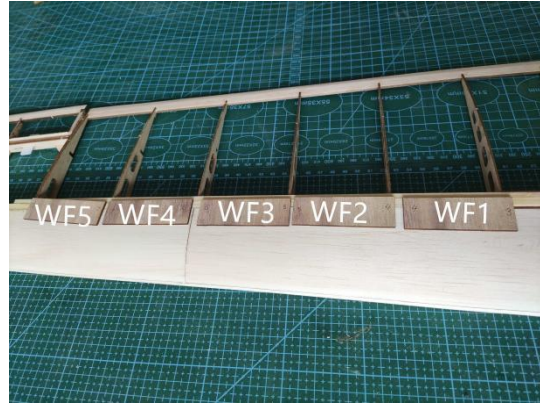
Step 38



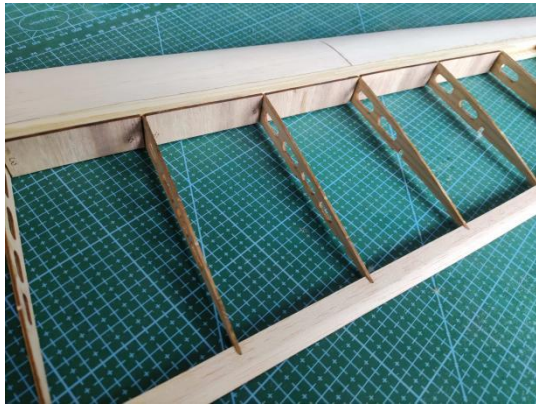
Step 39



Step 40



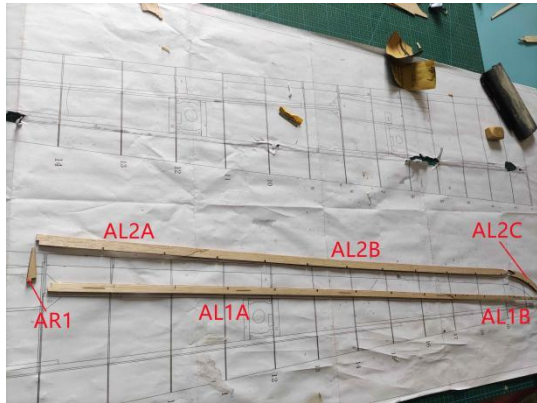
Step 41



Builder's note:

Part7. Aileron

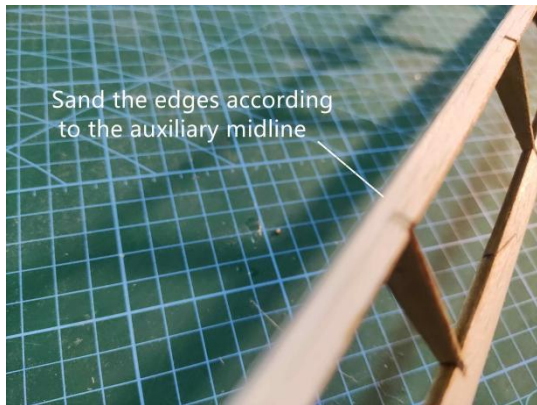
Step 1



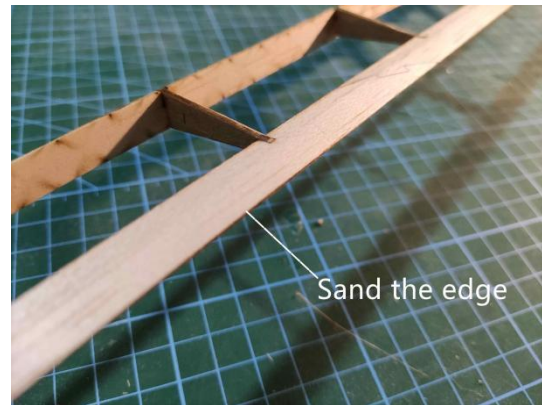
Step 2



Step 3



Step 4



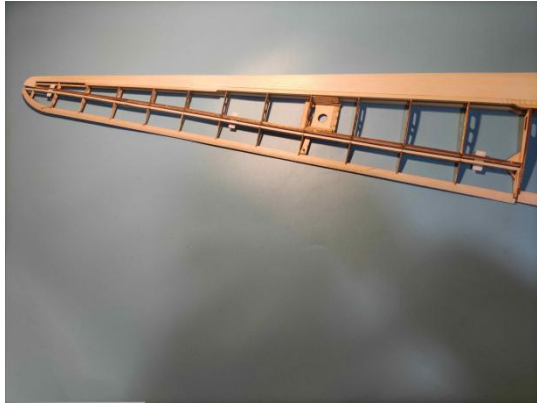
Step 5



Step 6



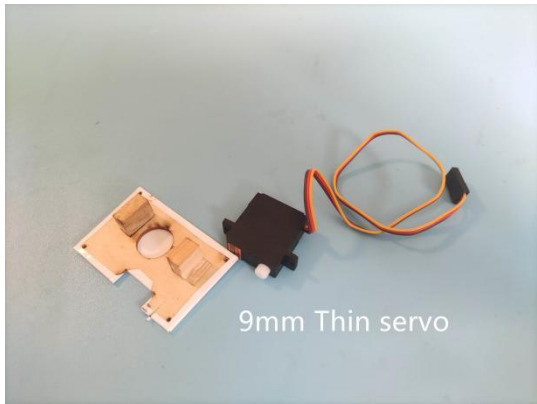
Step 7



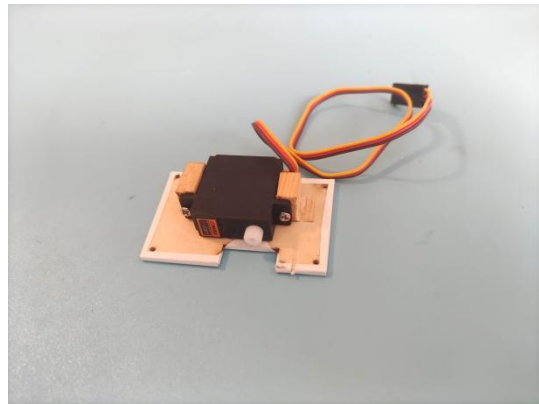
Builder's note:

Part8. Before you fly

Step 1



Step 2



Step 3



Step 4



Step 5



Step 6



Step 7



Step 8



Step 9



Builder's note:

CG: Please refer to the drawing, just below the spar, according to flight test, can move forward 5-10mm

Control Travel	
ELEVATOR	$\pm 15^\circ$
RUDDER	$\pm 15^\circ$
AILERON	$+15^\circ -5^\circ$

Thank you!



Tony Ray's AeroModel