

FOCKE WULF TA-152H ^{1/6}

Build instructions



Specifications	
Wing Span	2.4m
Wing Area	63.68 sq dm
Flying weight	6.5kg-7.0kg
Fuselage length	1.7m
Scale	1 / 6

Requires
RC transmitter with at least 7 channels
Flaps: 43g Standard Servo(ES3001/AS549)*2
Aileron: 43g Standard Servo(ES3001/AS549)*2
Rudder&Elevator: 43g Standard Servo(ES3001/AS549)*2
Motor: GA2000 / 30cc Glow engine



Tony Ray's AeroModel

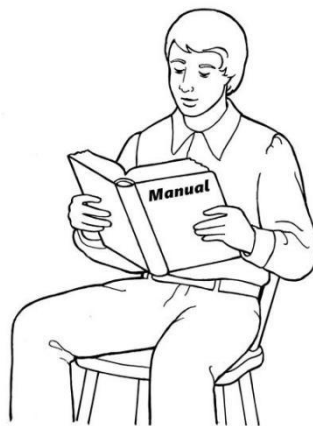
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BEFORE YOU BEGIN

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. This is a complex model kit, which contains many parts. In order to facilitate the modeler to take out the parts, we provide you with a detailed table in front of each instruction part, so that you can take out the parts needed to make the current part in advance.
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 air frame.



KIT INVENTORY



Sheet Wood Inventory		
Item:	Mark	Quantity
1.5mm balsa	G series:G1-G7	7
1.0mm Balsa	G series:G8	1
2.0mm balsa	C series:C1-C10	10
3.0mm balsa	H series: H1-H2	2
5.0mm balsa	F series:F1-F8	8
2.0mm Paulownia	D series: D1-D4	8
1.0mm Paulownia	E series: E1-E14	14
1.0mm Plywood	E series: E15-E17	3
2.0mm Plywood	A series:A1-A6	6
3.0mm Plywood	B series:B1-B13	13
2.0mm balsa	Unmarked covering sheets	25

Wood Strips Inventory	
5*5mm Balsa	2
6*6mm Balsa	4
6*6mm Pine	30
2*6mm Pine	20

TonyRay Aero Model Co.,Ltd Products

Hardware	
M4*5 Screws	2
M3 Four Claws Nut	6
M2*8 Screws (Spacer Version)	30
M3*25 Screws	6
M3 Screw nut	4
Plastic Hinge	22
Plastic Hinge columnar version	16
M2 Steel push rod (Thread at both ends Length:35mm)	2
M2 Steel push rod (Thread at both ends Length:25mm)	2
M2 ball joint connector	6
M1*3 Screws for panel	Ca.70pcs
M2*10 Screws	6
M2 Screw nut	7
Plastic collet	2
Rudder horn	1
Mental slides module for canopy	1
PVC Tube (Outer diameter: 3mm, Inner diameter: 2mm)	0.5m
Steel push rod(Diameter1.2mm)	0.5m
Steel wire for rudder(Diameter1mm)	1m
Aluminum sheet (200mm*200*0.3mm)	2
Vacuum Formed Canopy	1
Laser cut Pvc sheet for front canopy	3
M5*50 Screws	2
M5 Four Claws Nut	2
M3.5*20 Screws (For landing gear)	8
Tail wheel hook(Nylon)	1
Tail wheel 1.75"	1
M2*30 Screws	1

Accessory parts	
Cowl	1
Air intake-main	1
Air intake-mini	1
Exhaust module	2
"Z" shaped hook for cowl	4
Tail wheel module(Nylon)	1

Fiber glass parts	
Cabin door of top fuselage	1
Landing gear cabin door	2
CNC Resin board for rudder horn,aileron horn	1

Plans	
1:1 plan	3

Cockpit Upgrade Supplement Pack <i>(Not Included in standard Kit)</i>	
Plastic Chair	1
Stick	1
Side panel	1
Pedals	2
German WWII Sights	1
Seat Belt kit-leather Strips	3
Seat Belt kit-1mm plywood	1



Tips: Building videos which you can make some reference:

https://youtube.com/playlist?list=PLobWZgnLsgbusNCAhUn_xfG7dL_BFiOqx&si=A3nOi6EvzTkcJpao

Welcome to our Youtube Channel

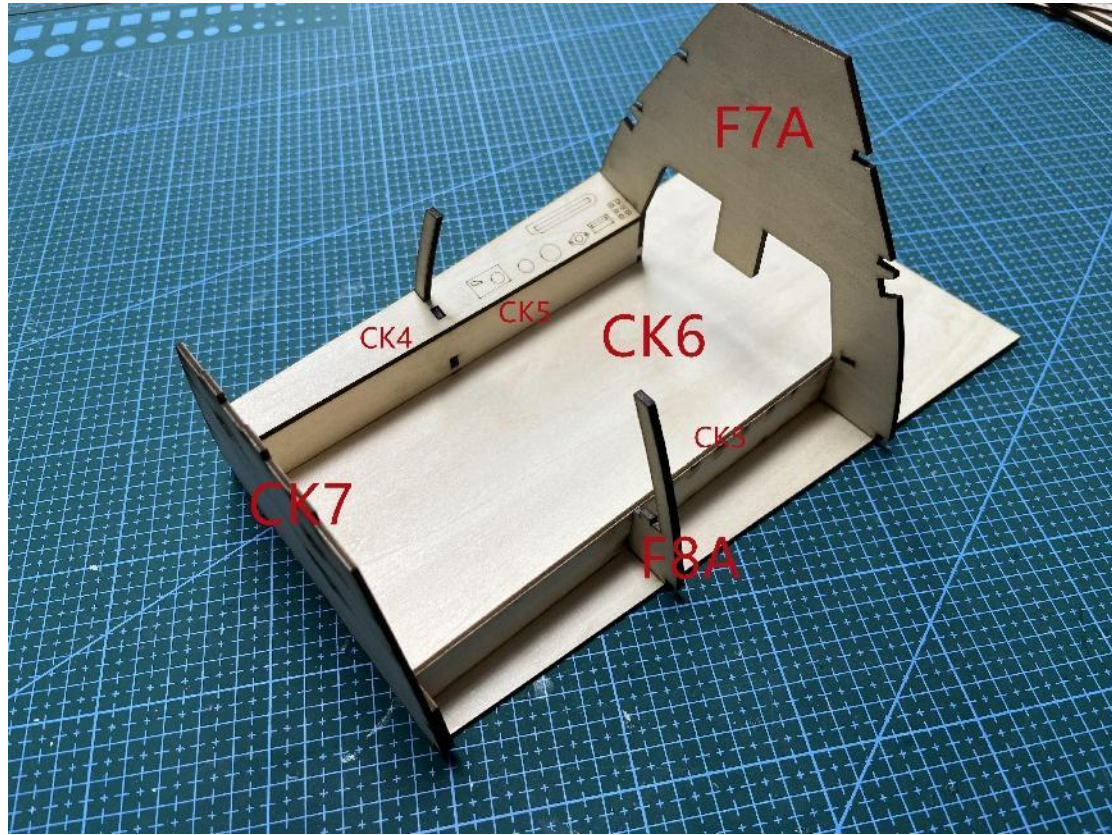
Part Location Lookup Form:

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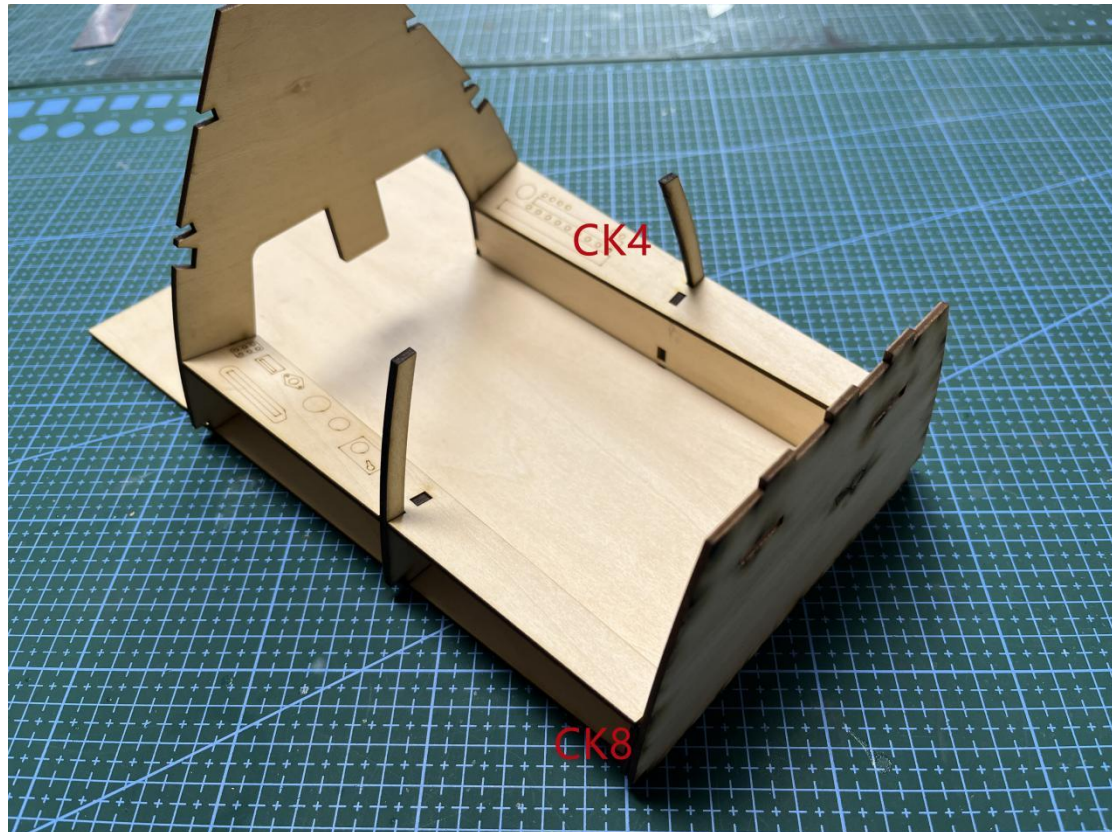
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F8A	B9	CP9	B11
CK8	A1	CP10	A2
CP1	A2	CP11	A1
CP2	A2	CP12	A1
CP3	A1	CP13	E15
CP4	A1	CK12	G8
CK10	B11	CK13	E17
CK10B	B11	CK14	A1
CK11	A1		
CK9	B9		
F9A	B10		
CK1	A1		

Instruction: 1.Cockpit Module

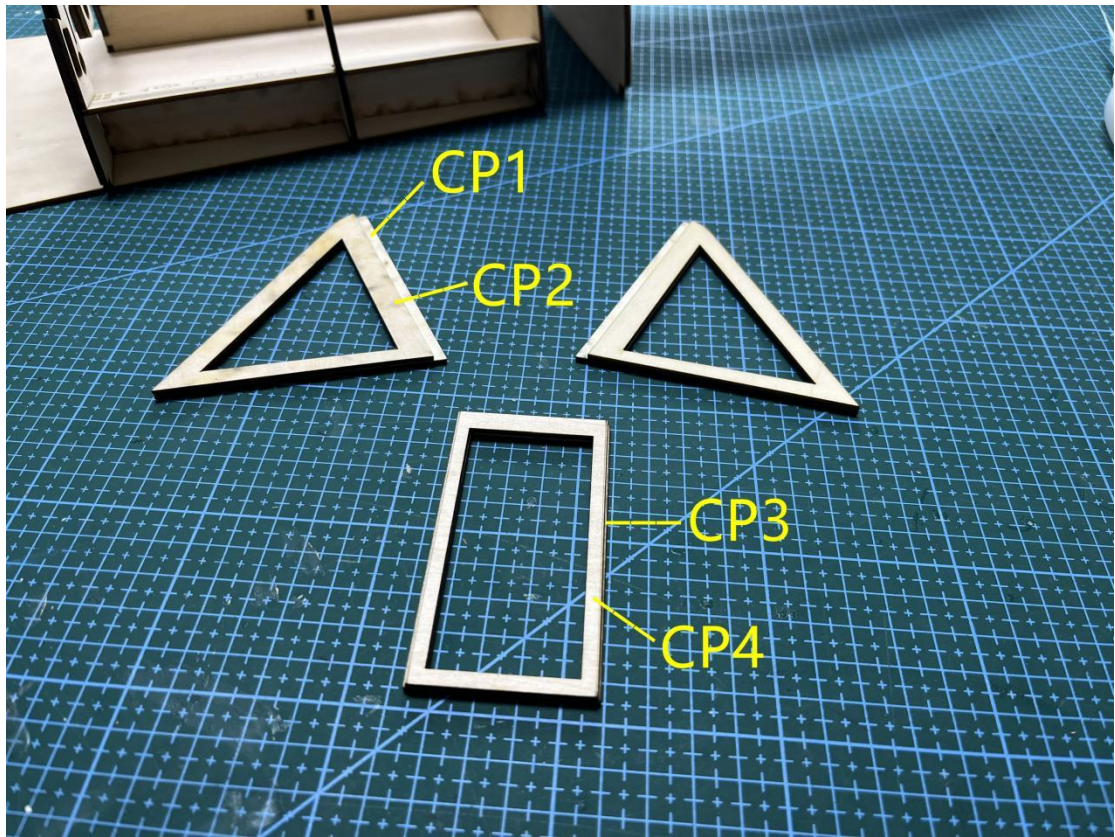
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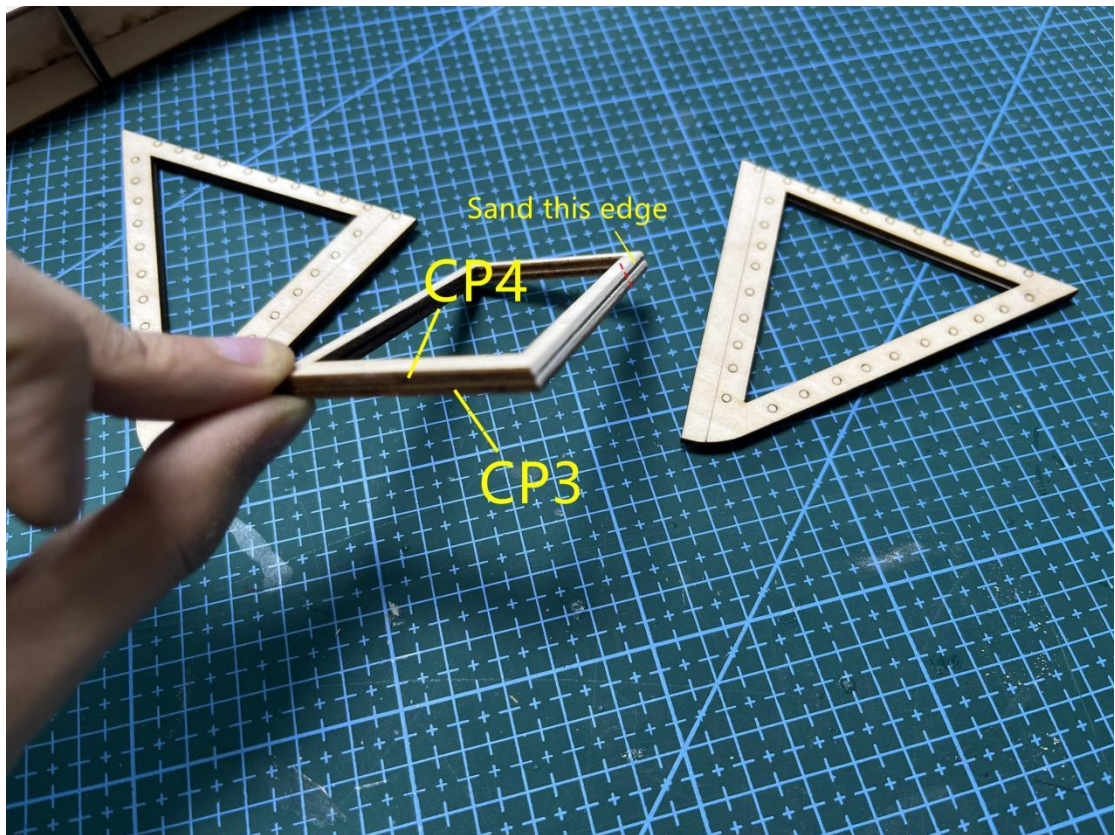
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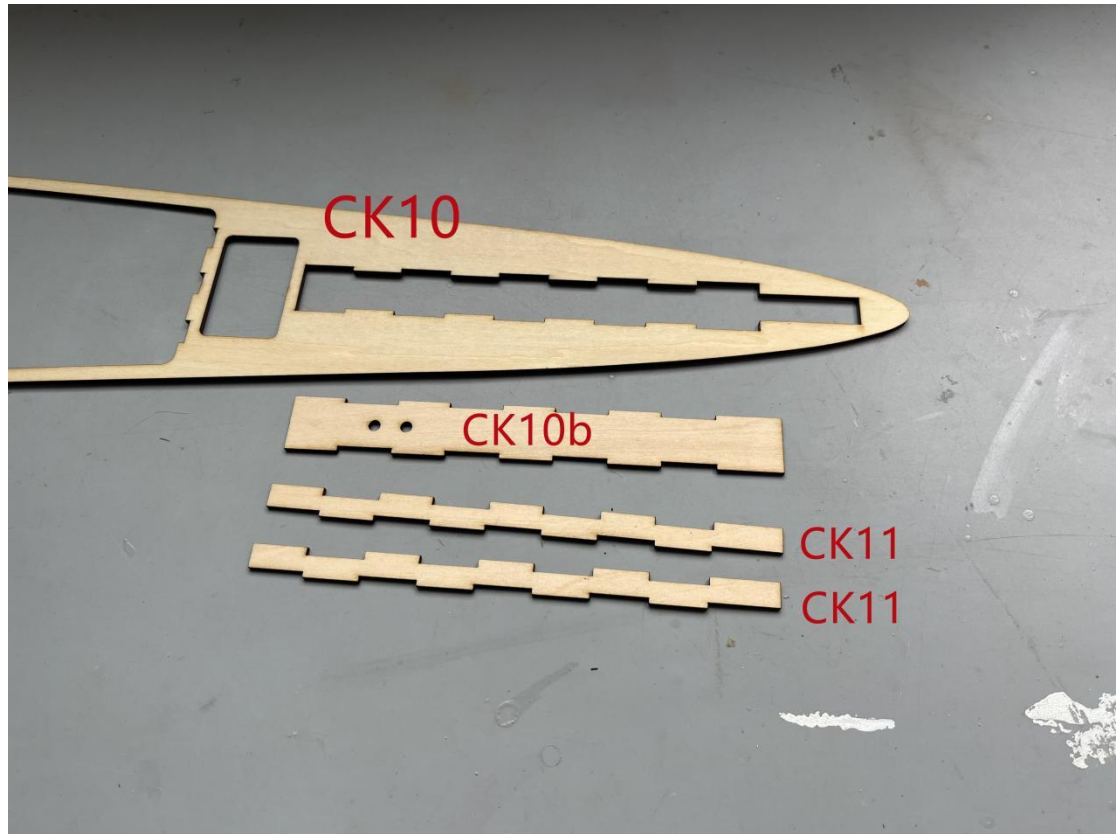
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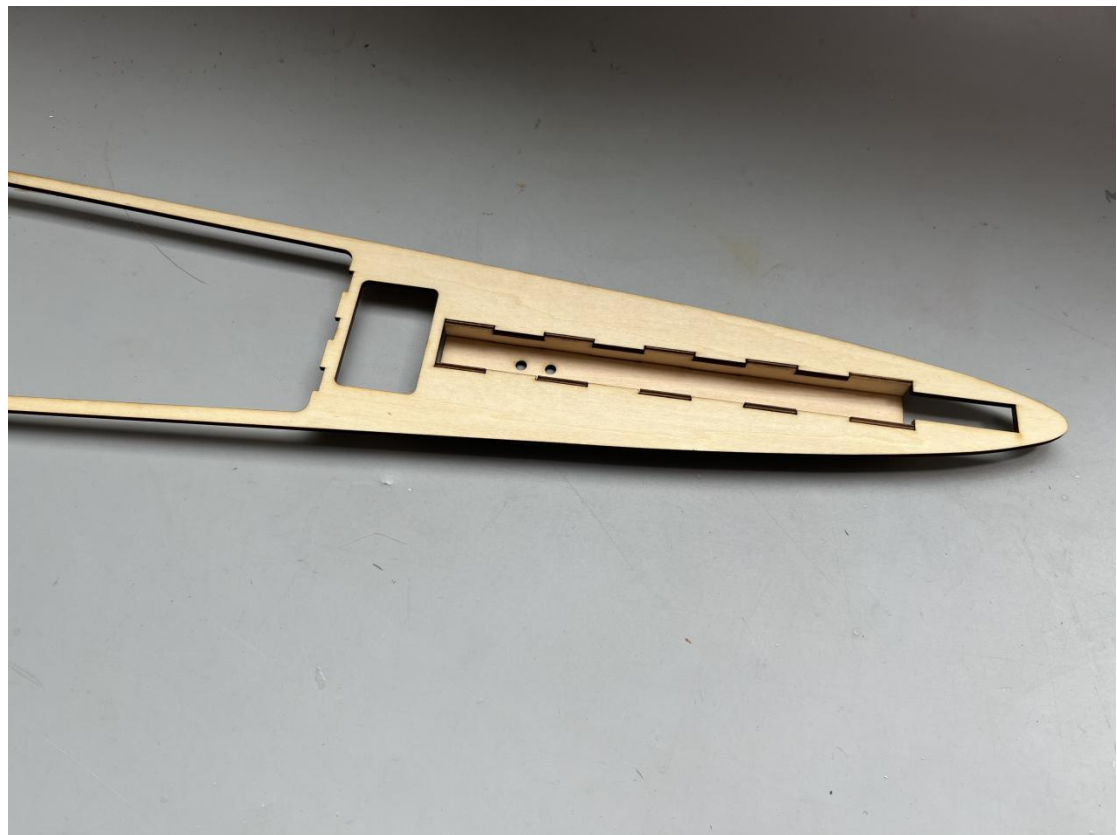
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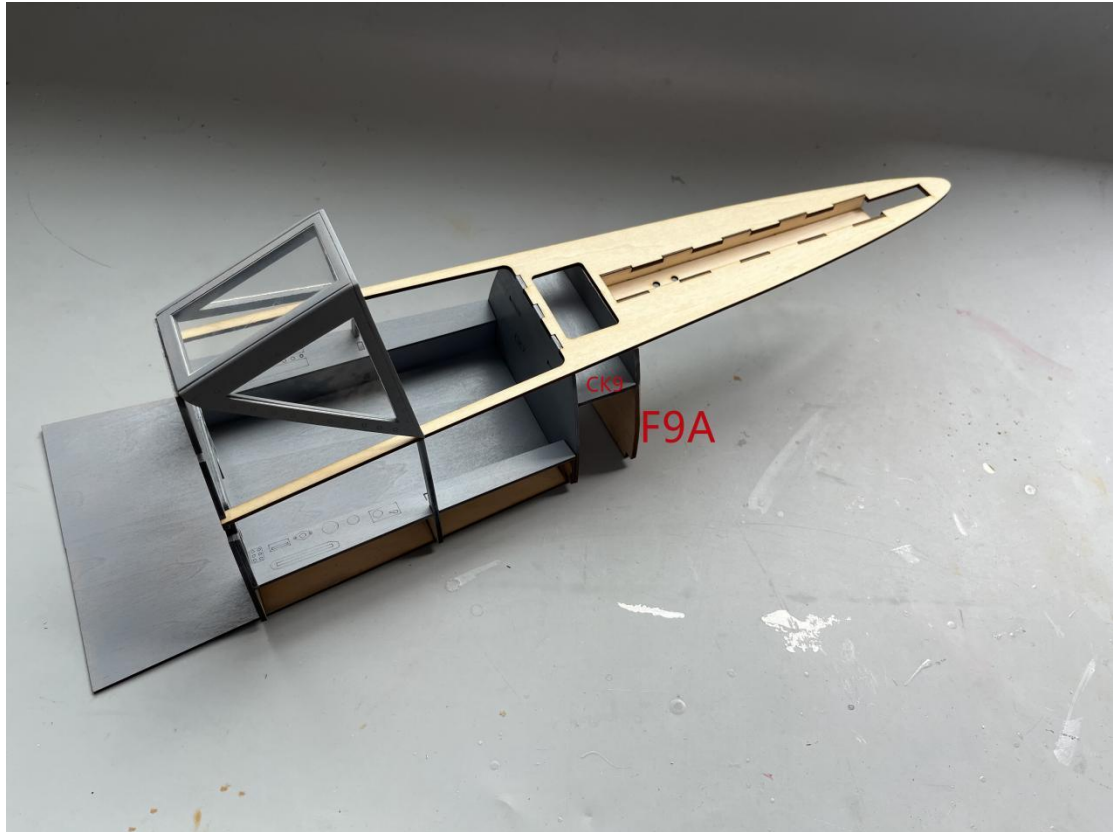
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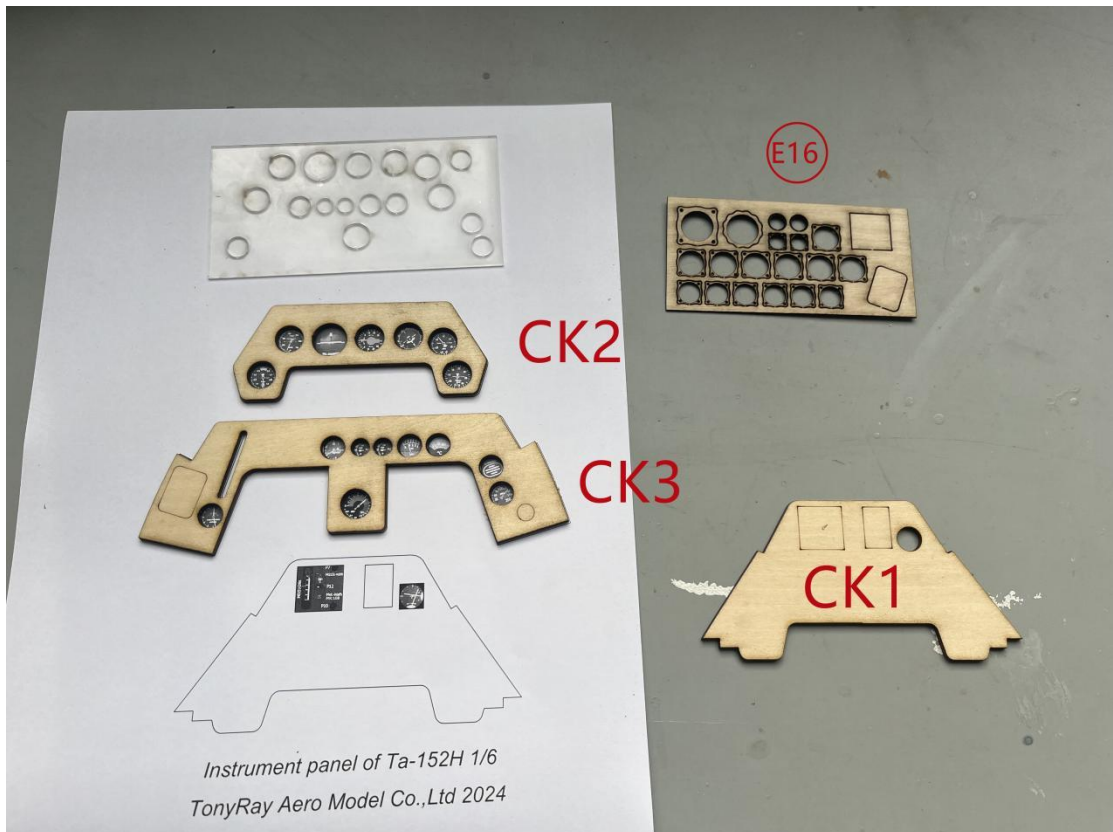
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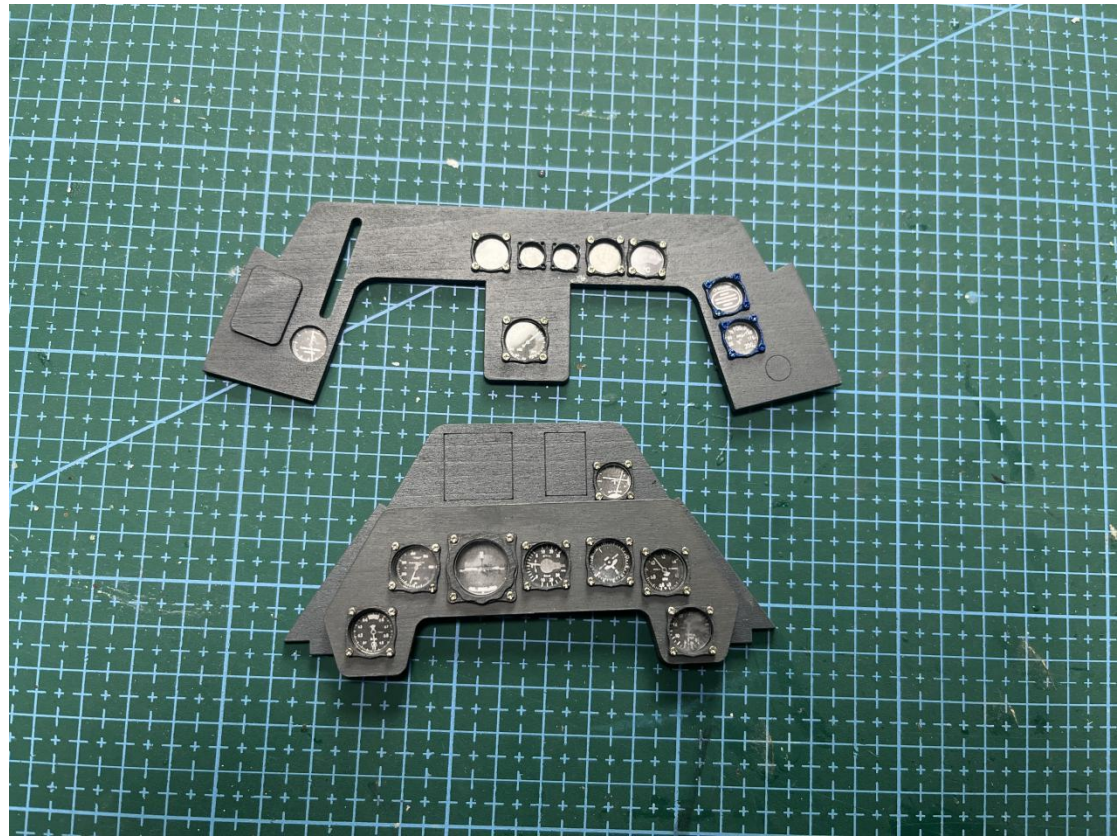
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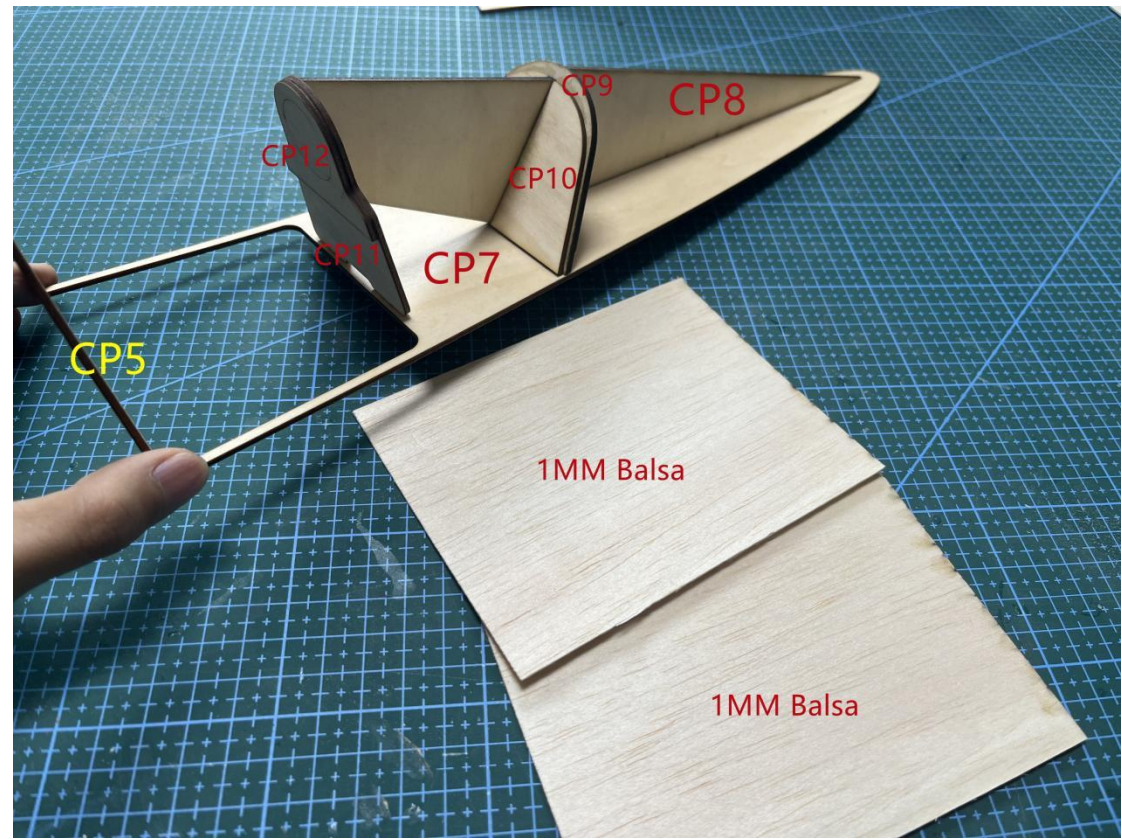
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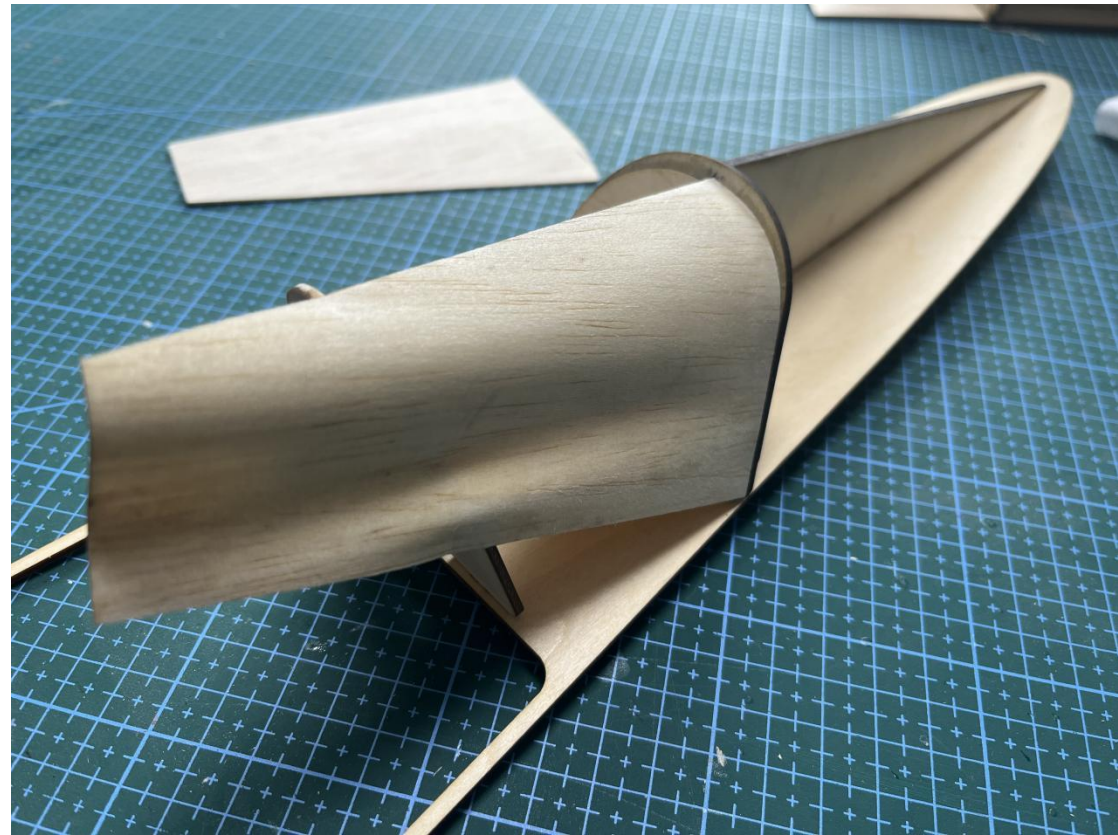
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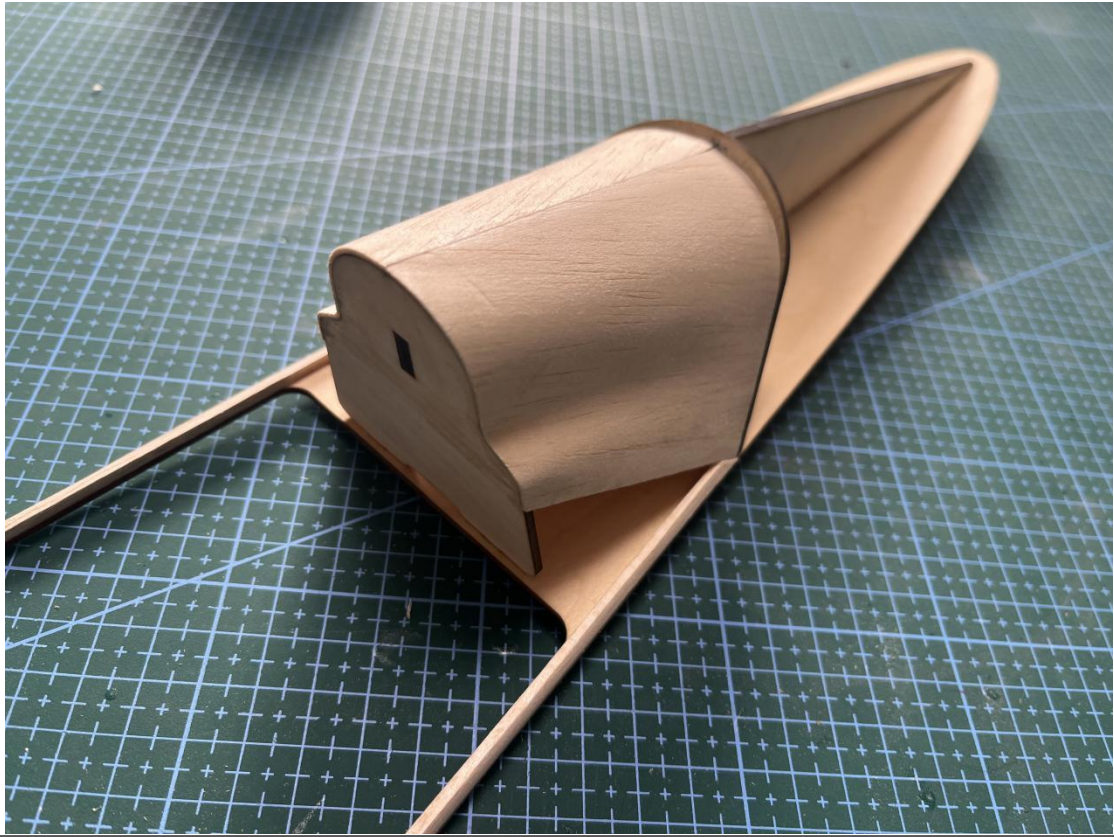
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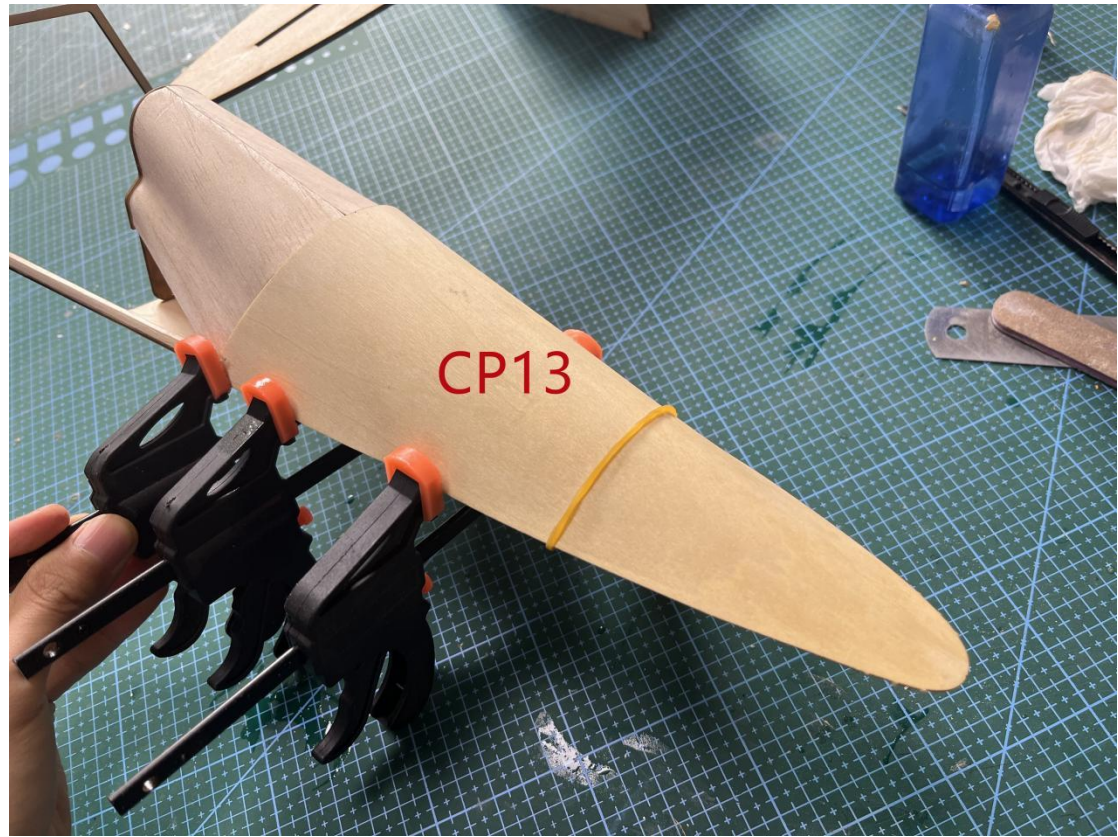
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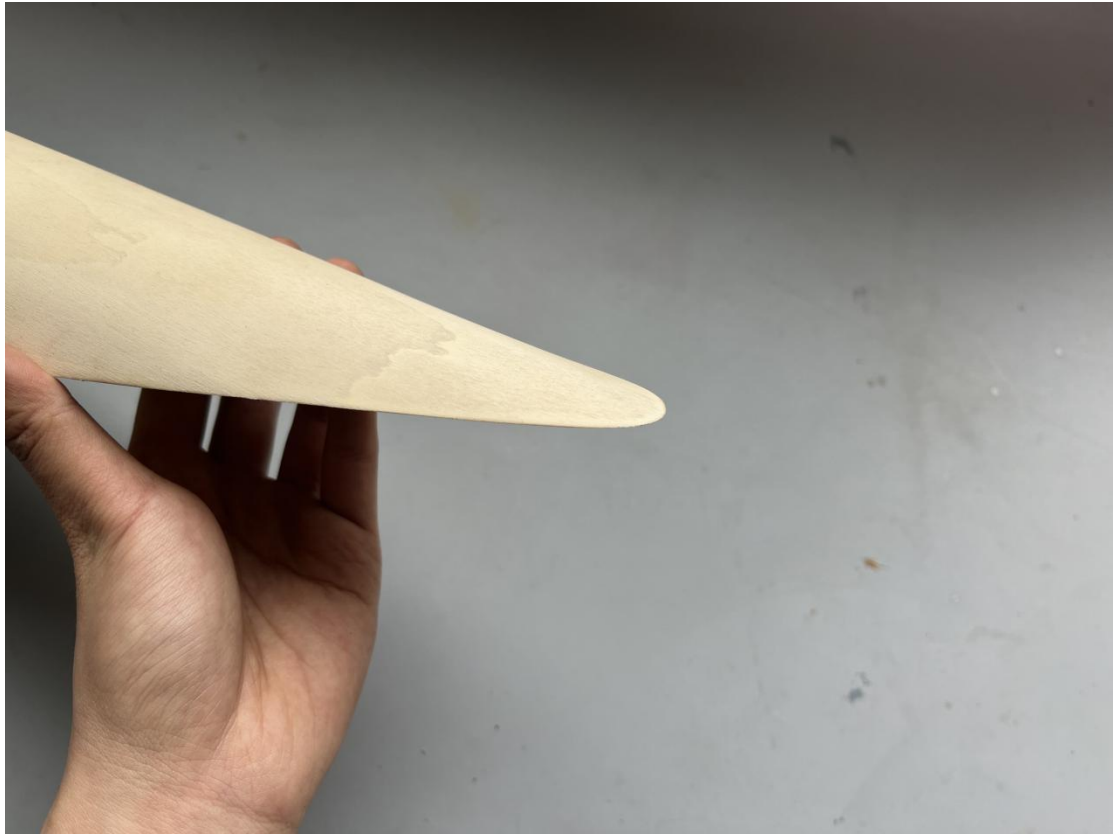
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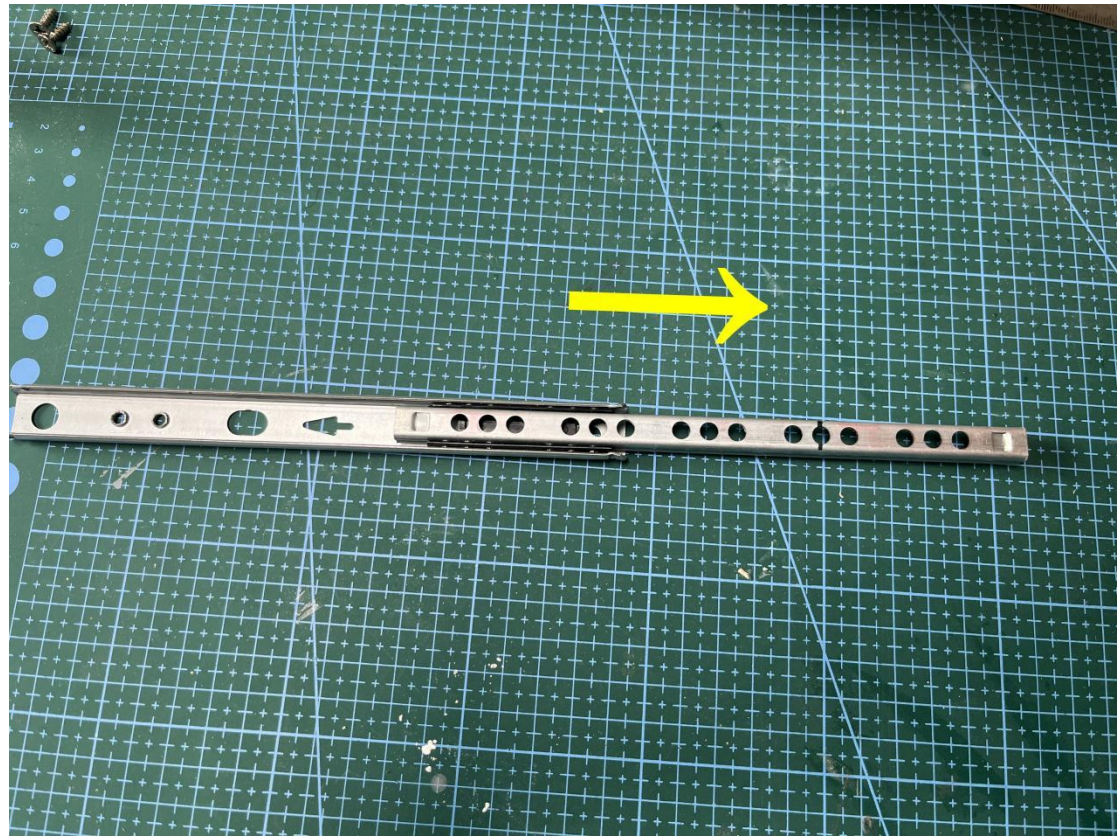
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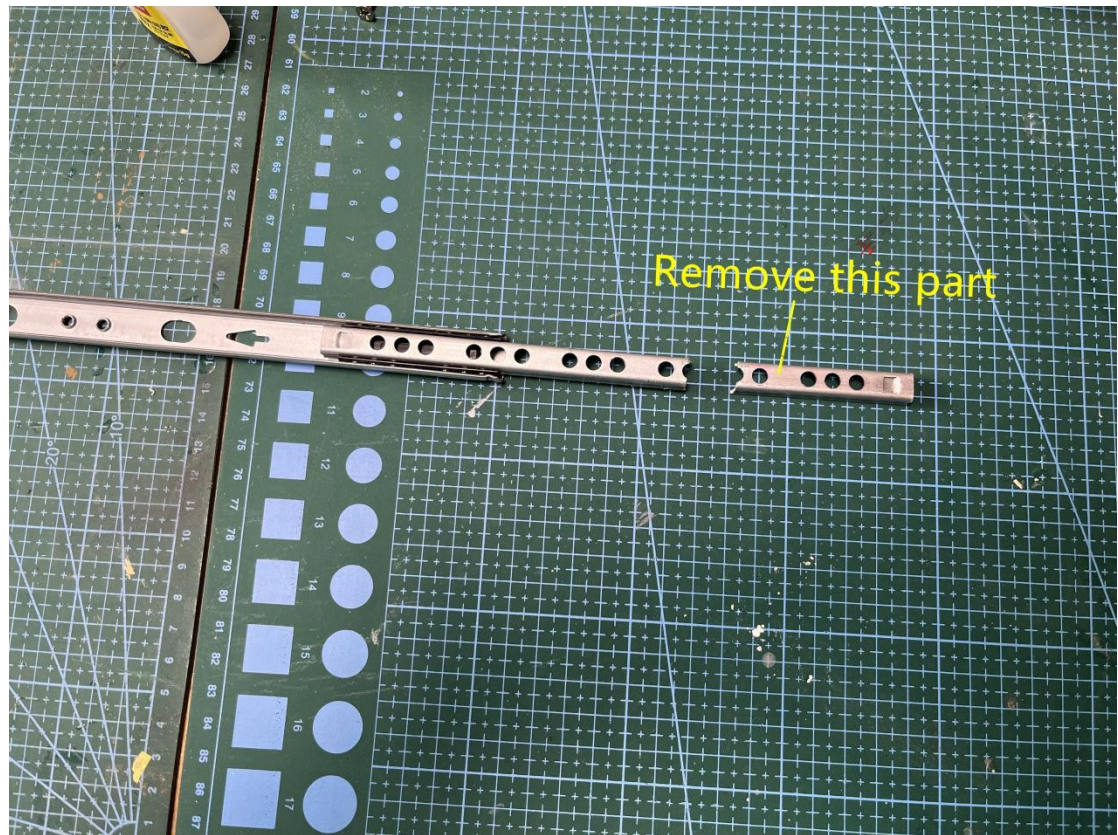
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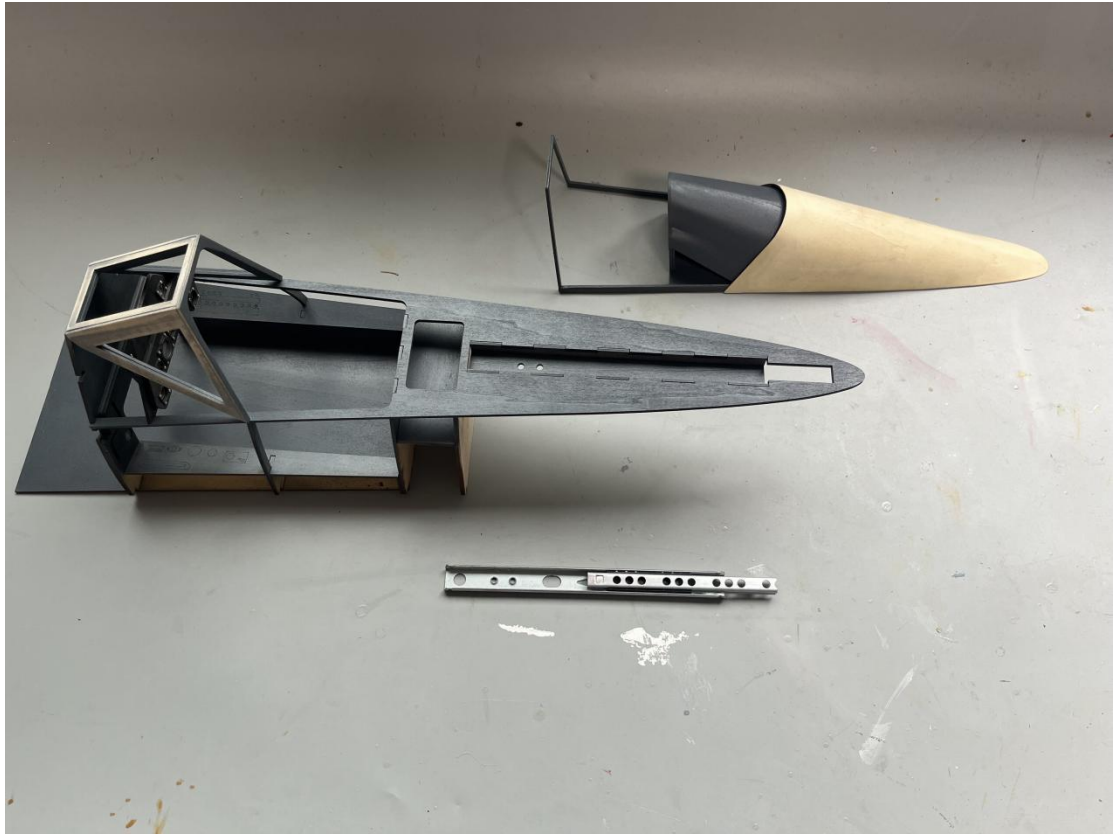
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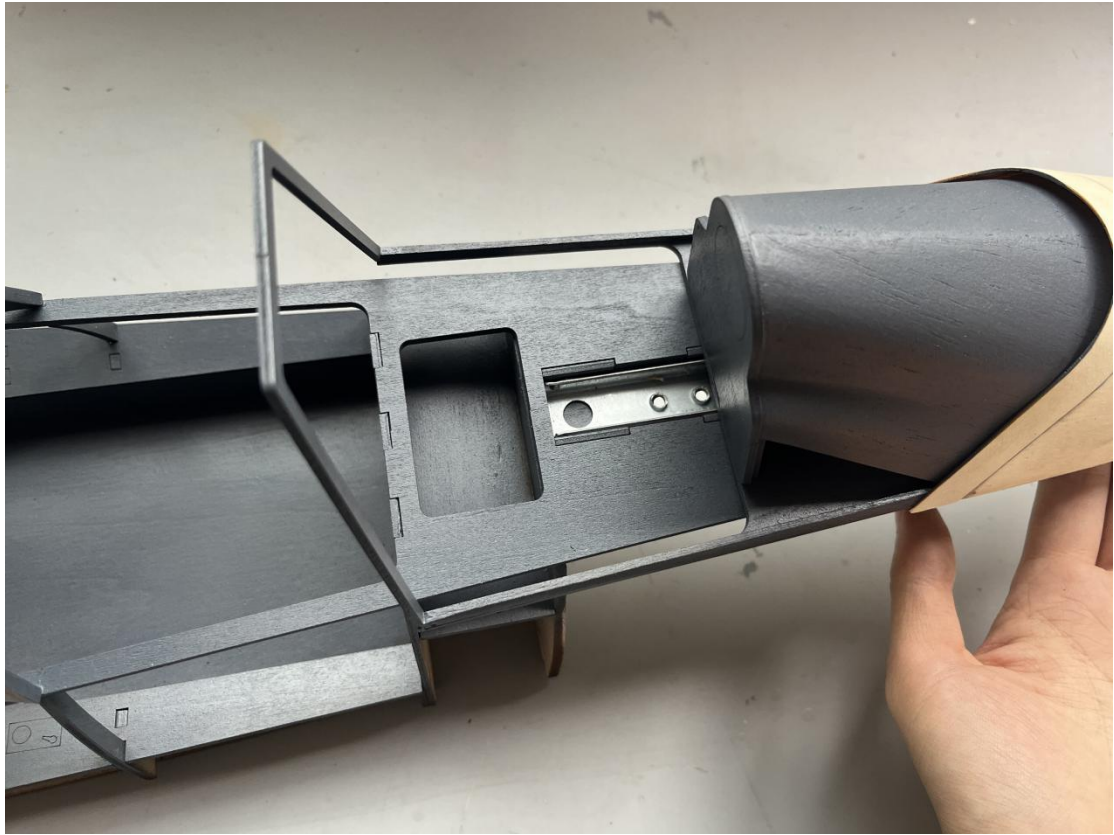
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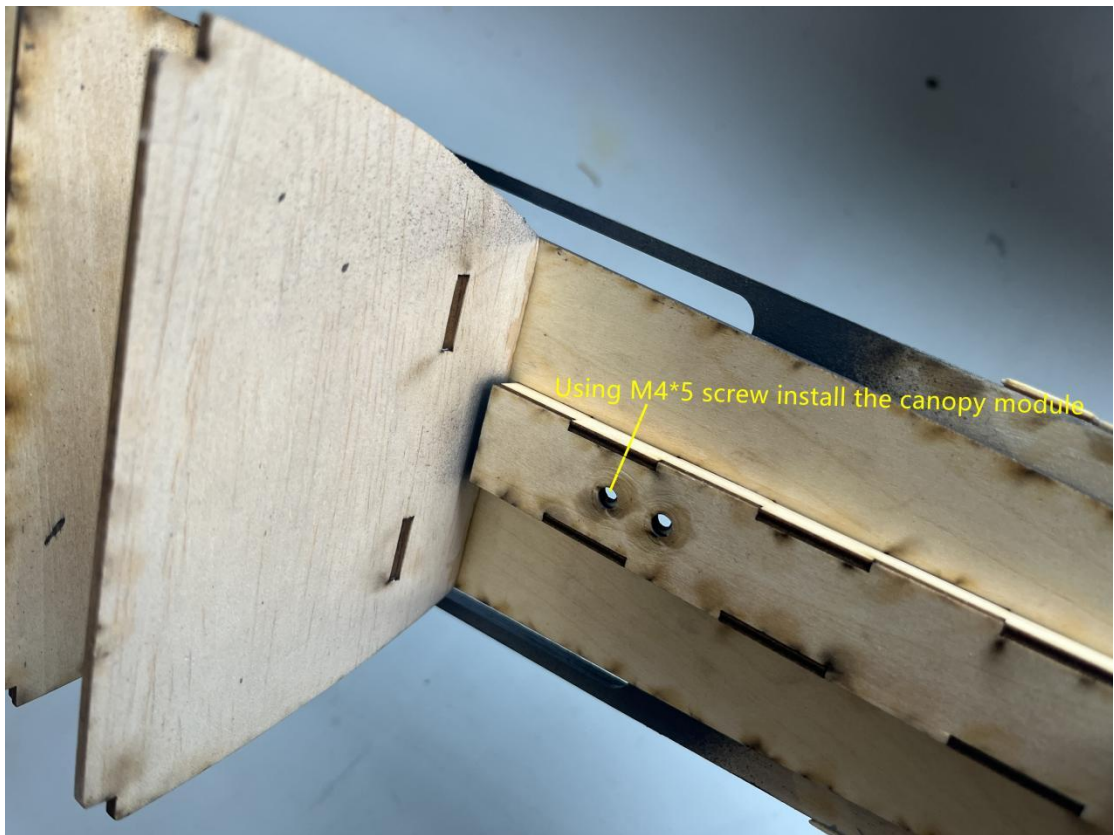
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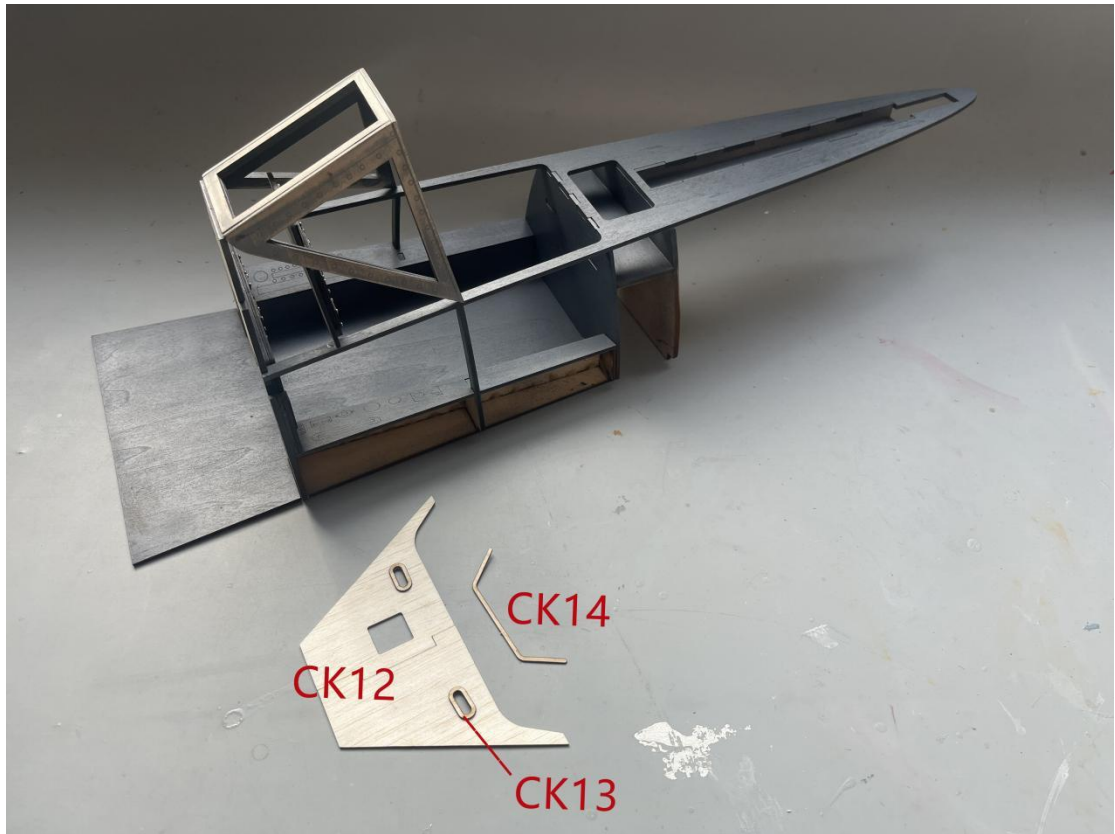
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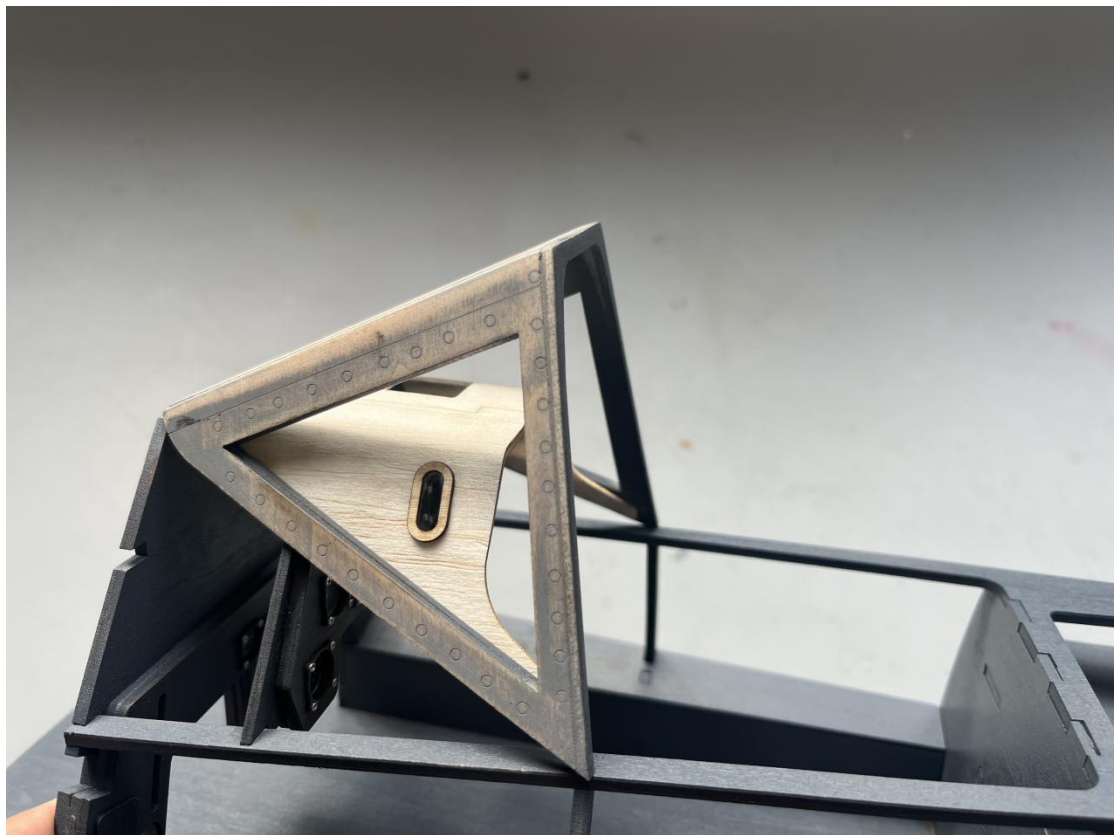
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1.25



1.26



1.27



Builder's note:

Part Location Lookup Form:

2.Upper Fuselage

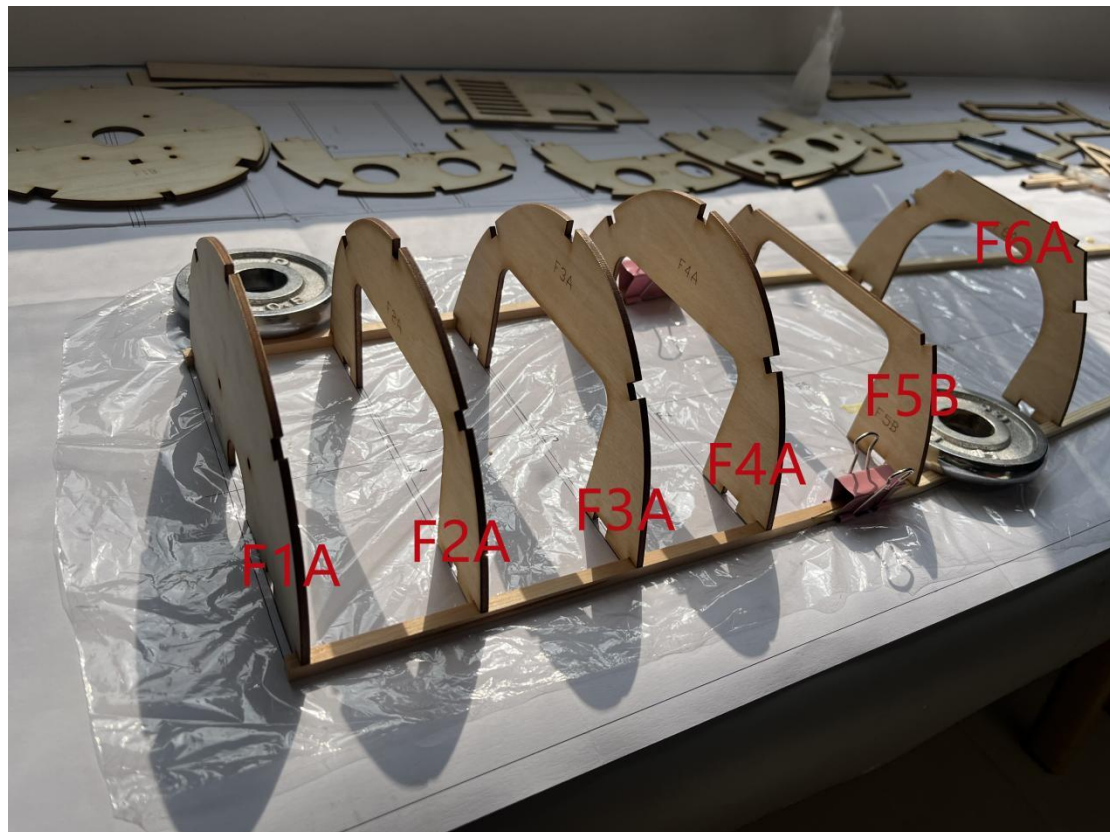
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F5B	B6	V2-2	F3
F6A	B9	V2-3	F3
F5A	B6	V2-4	F3
F6C	B1	V1	A2
F12A	B10	V7	F3,F4
F13A	B10		
F14A	B9		
F14E	B2		
F14D	B2		
JIG for F13	B2		
F15A	B2		
JIG for F15	B2		
V3	F2		

Instruction: 2.Upper Fuselage

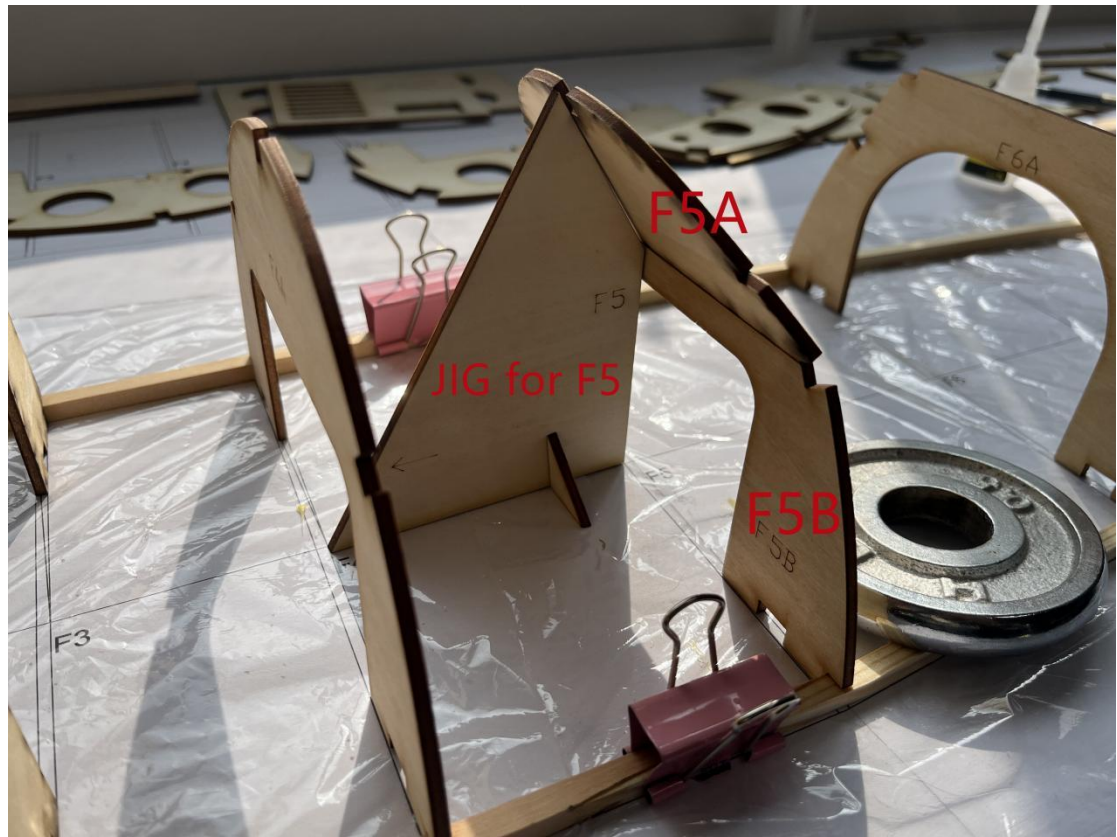
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2.2



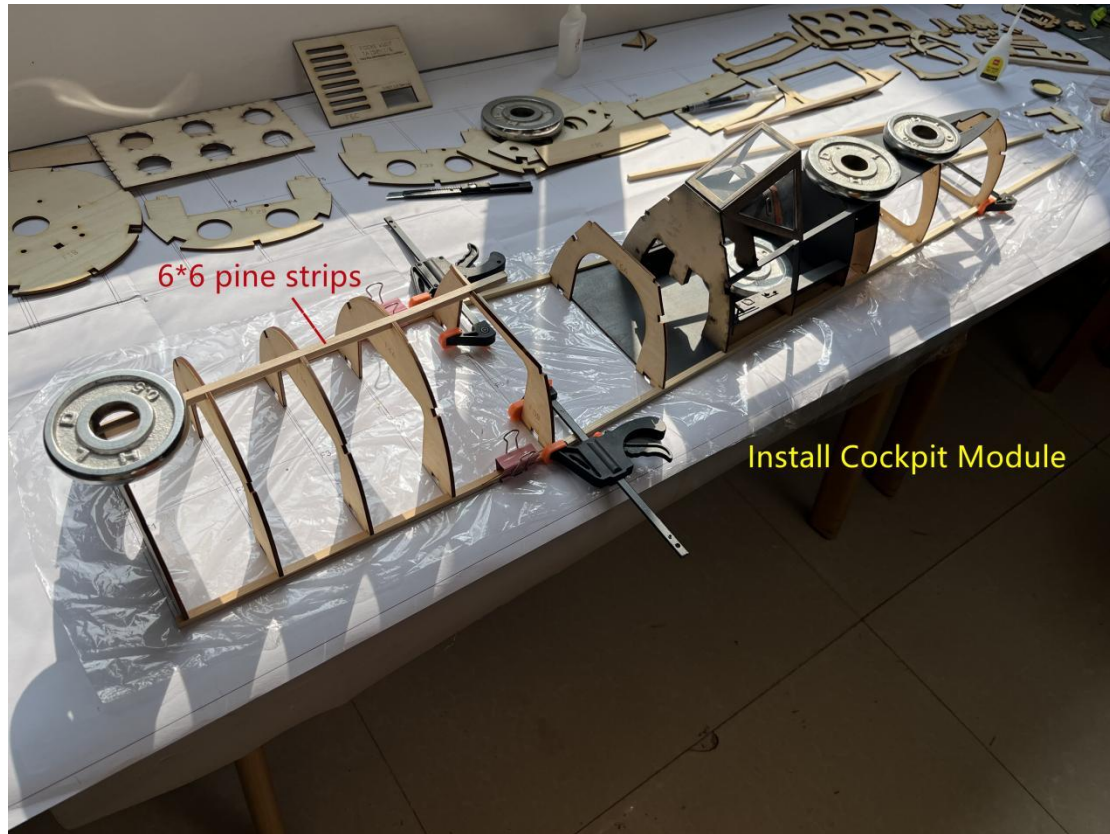
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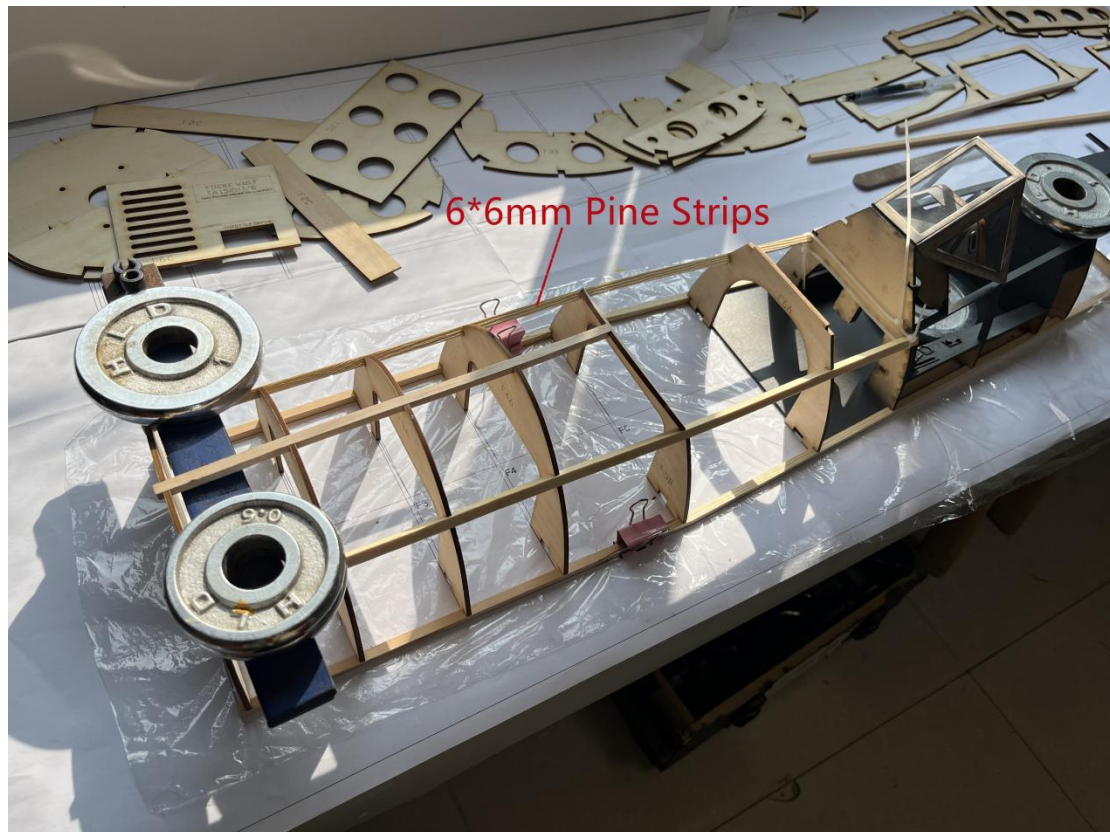
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2.5



2.6



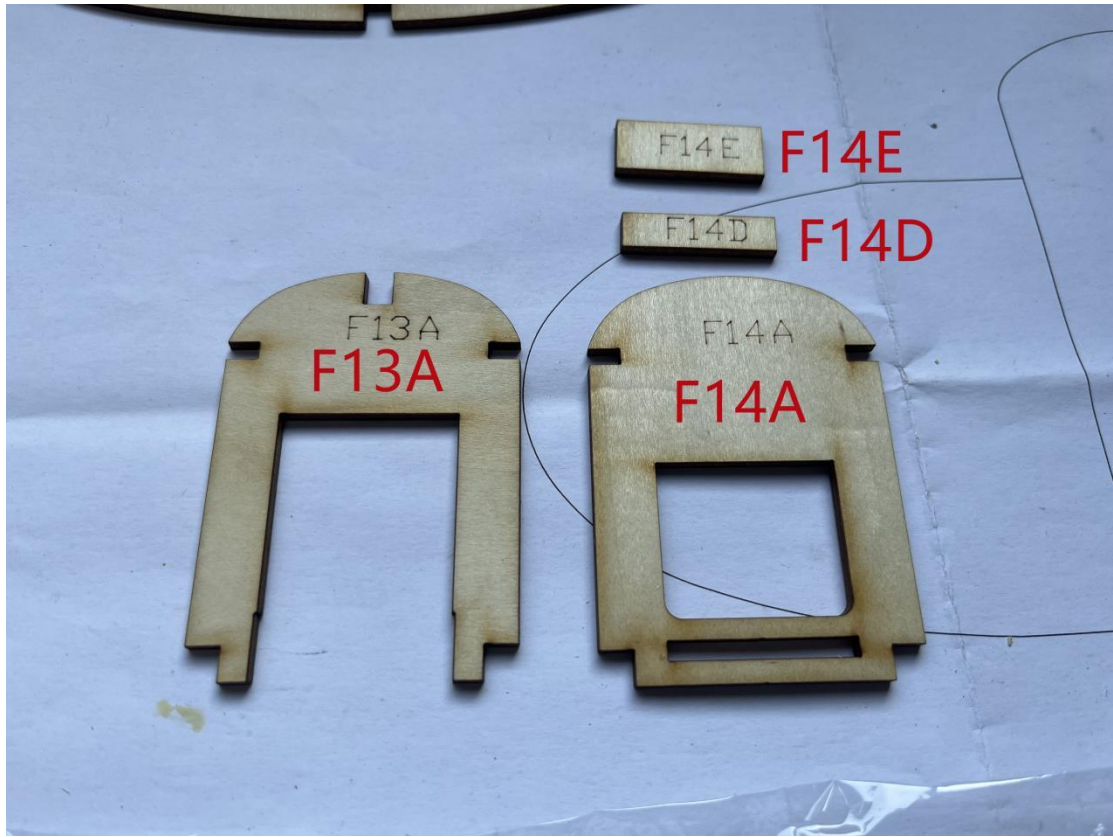
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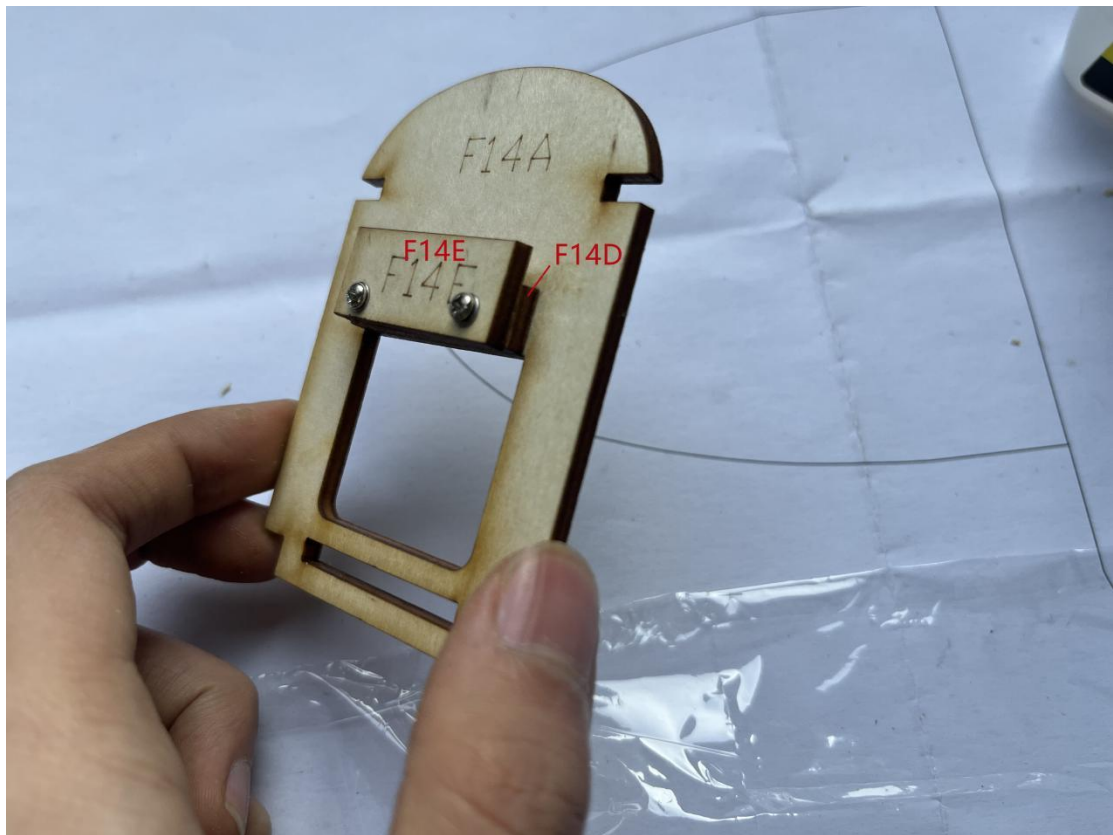
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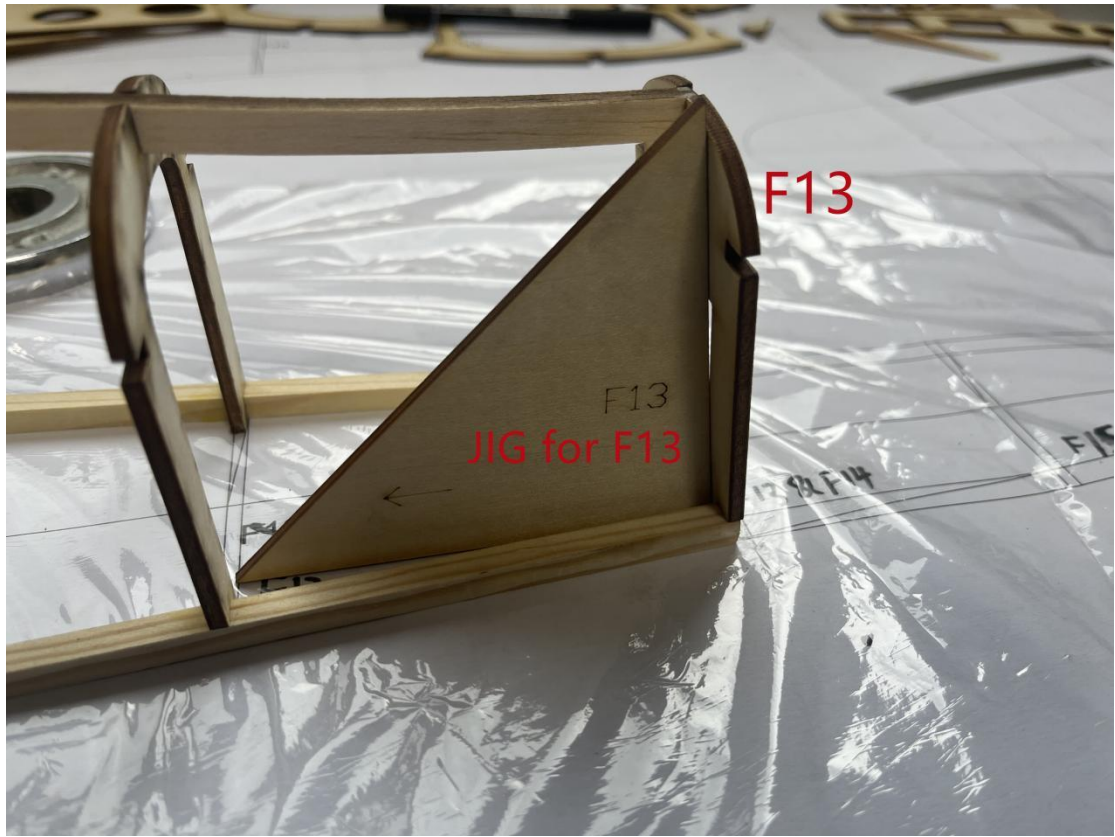
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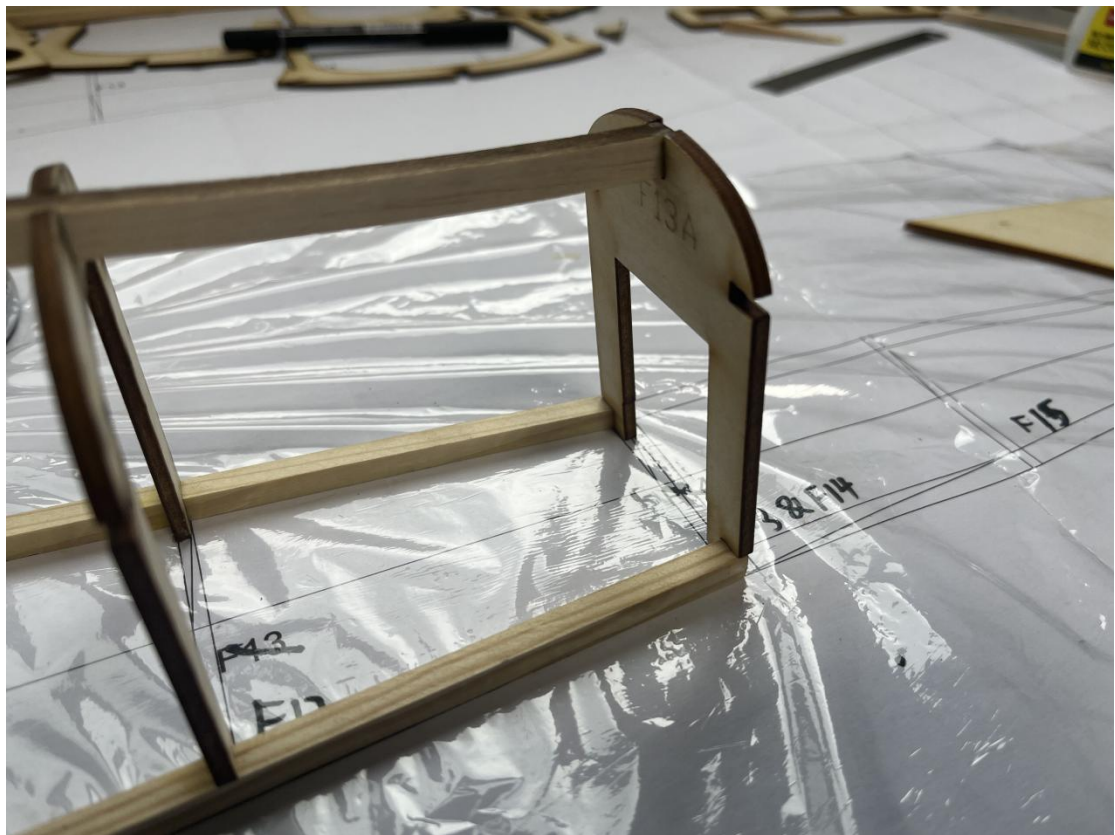
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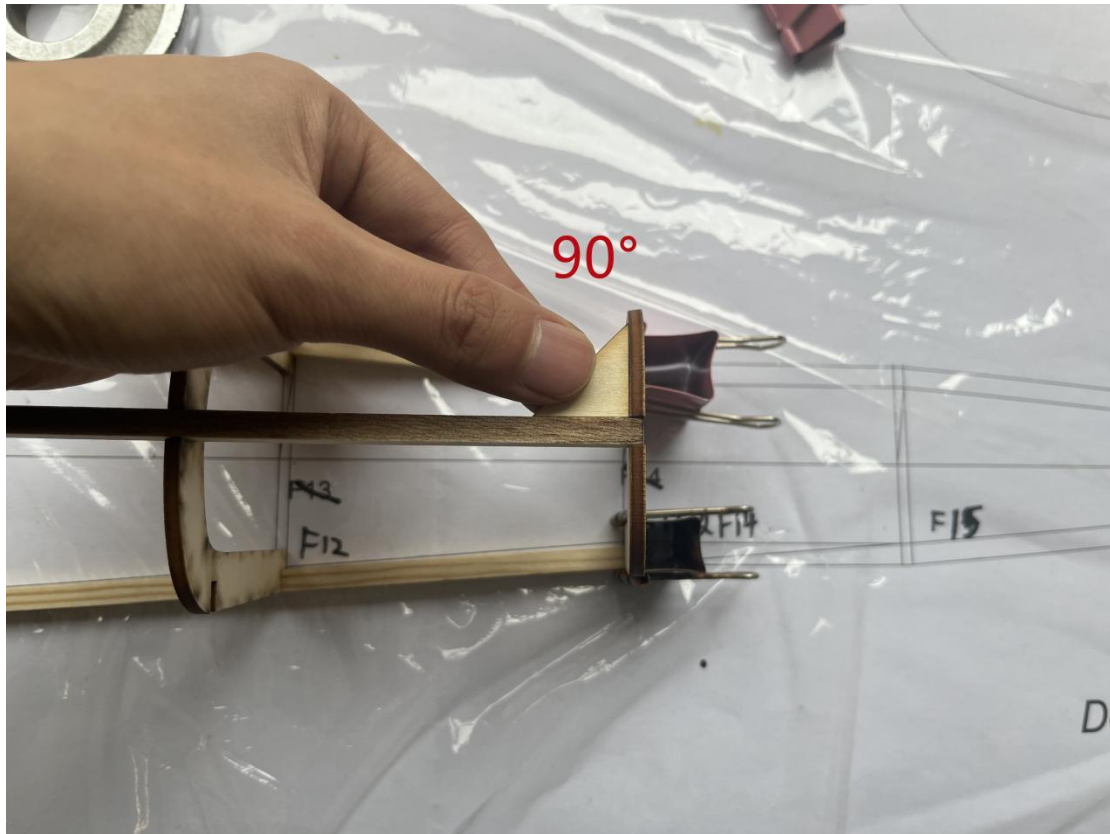
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2.12



2.13



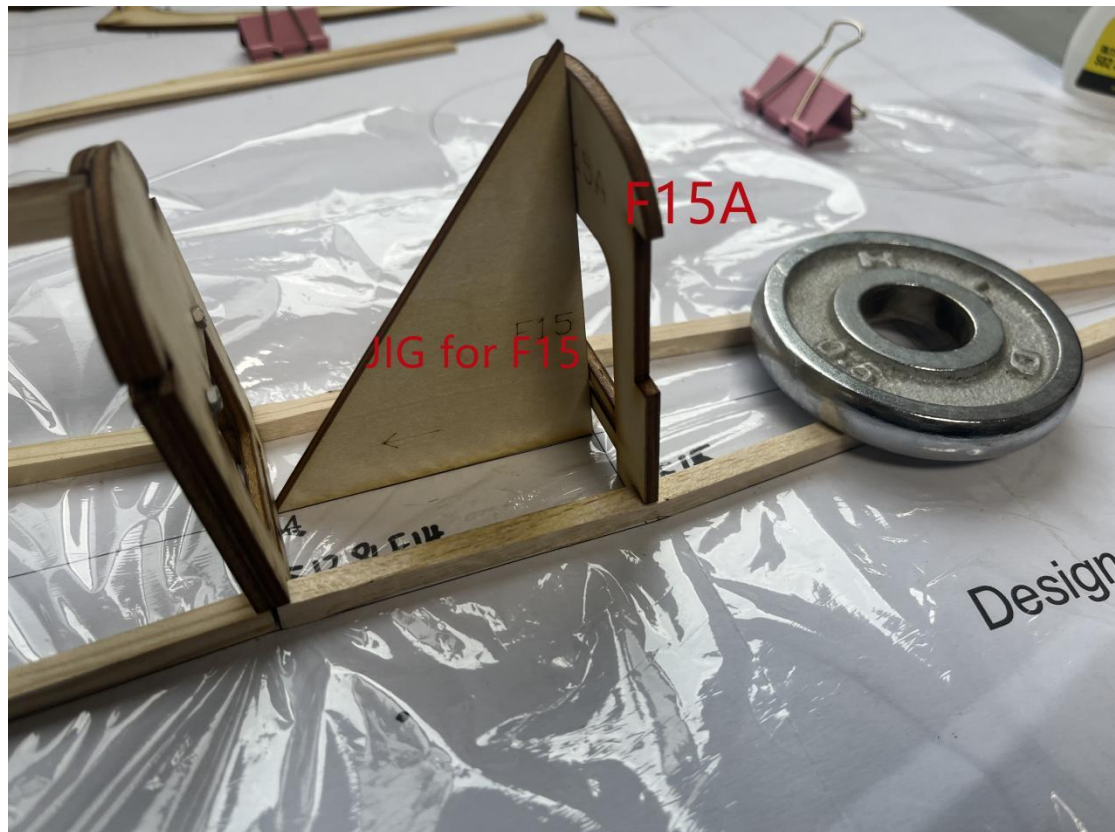
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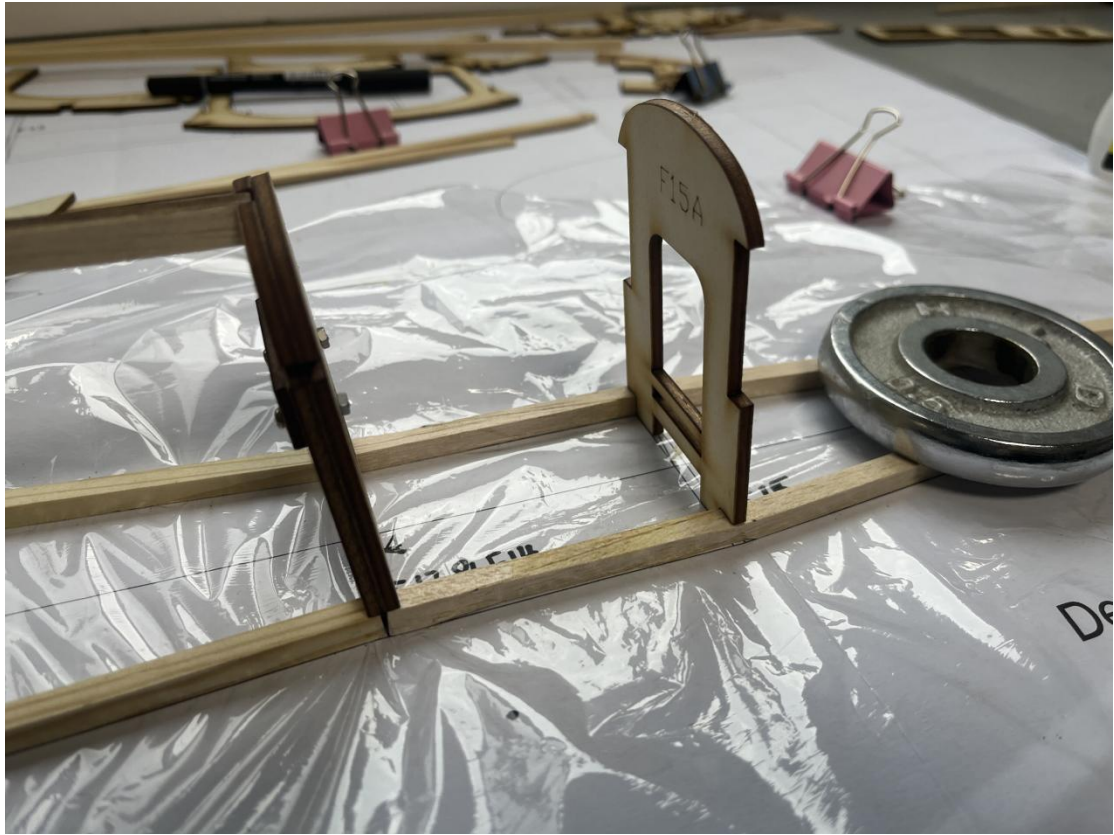
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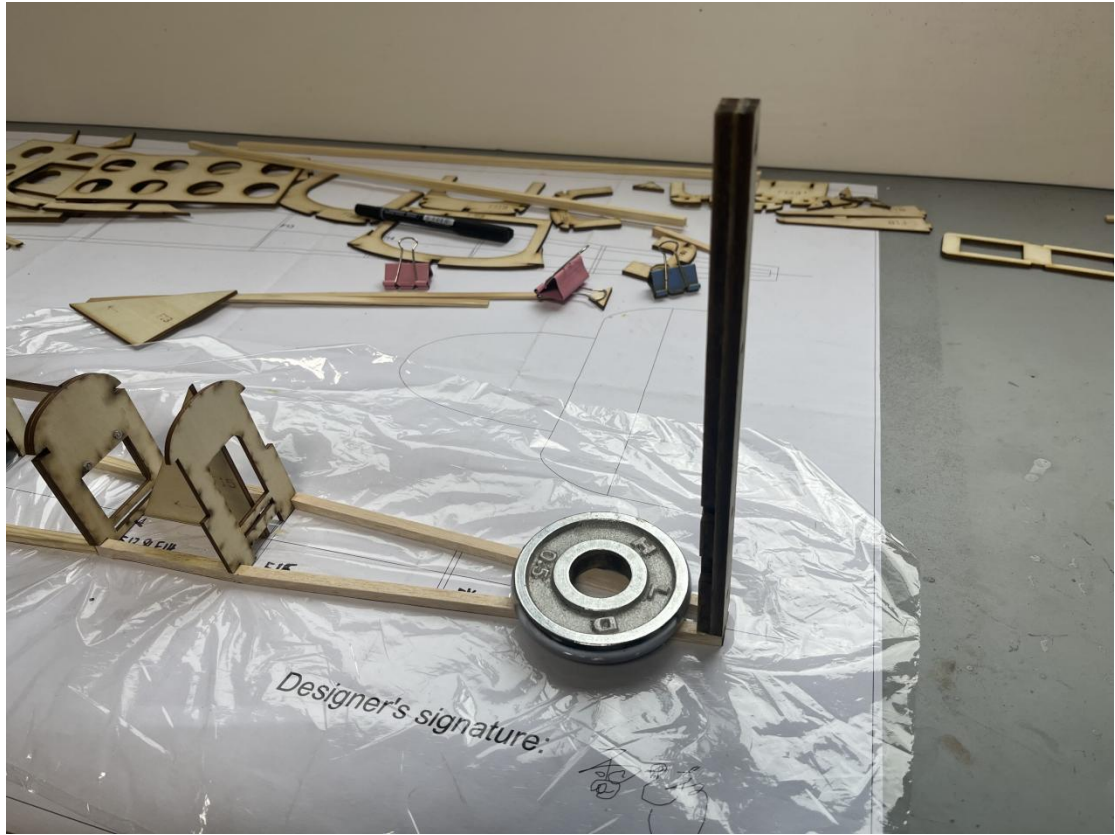
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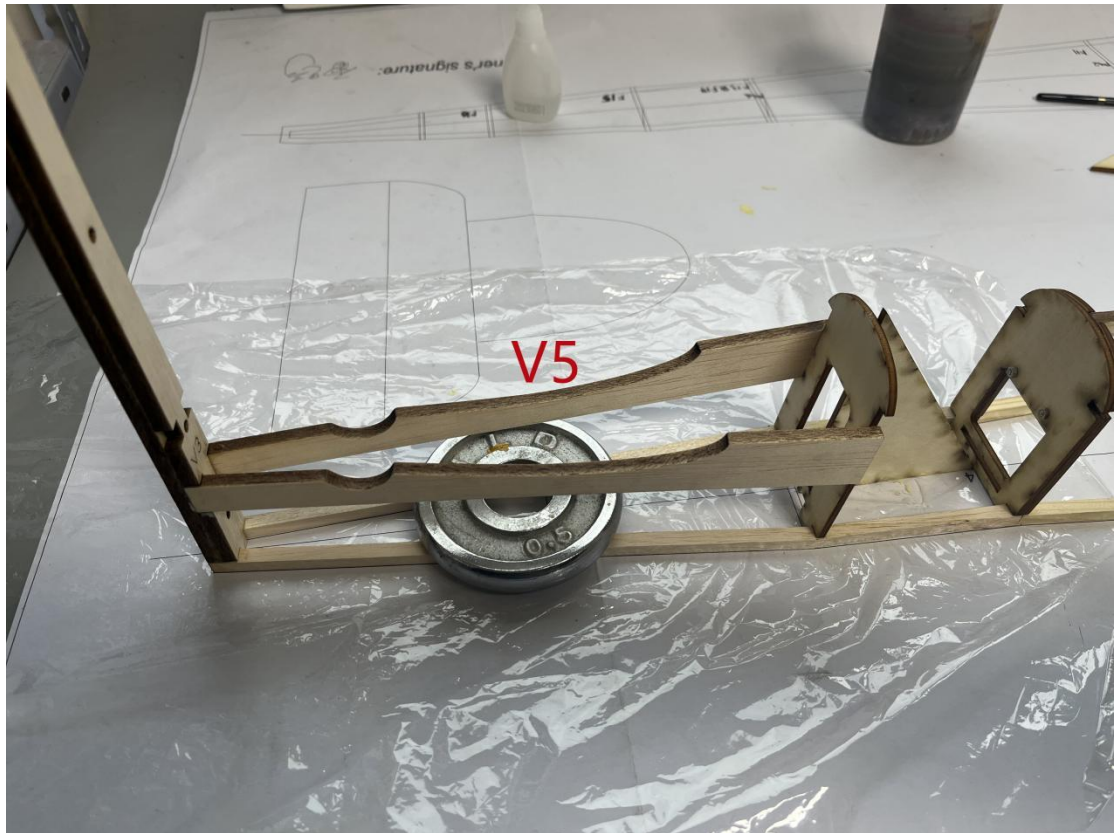
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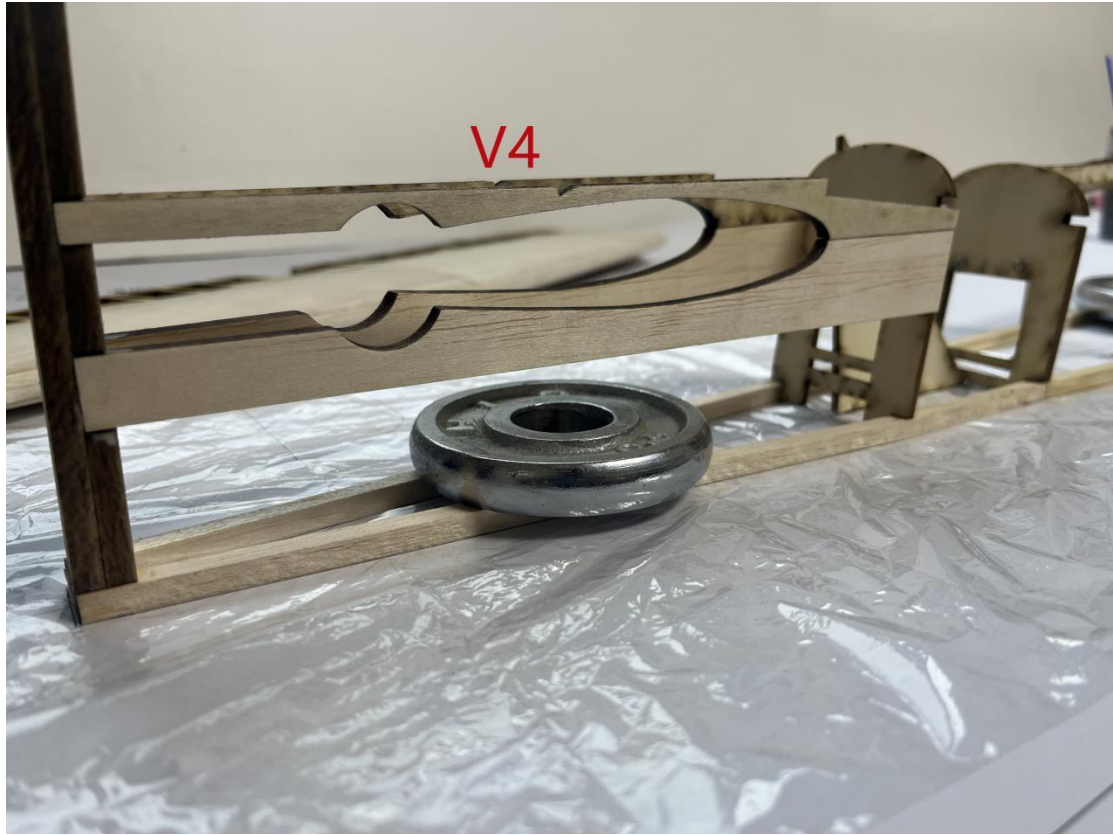
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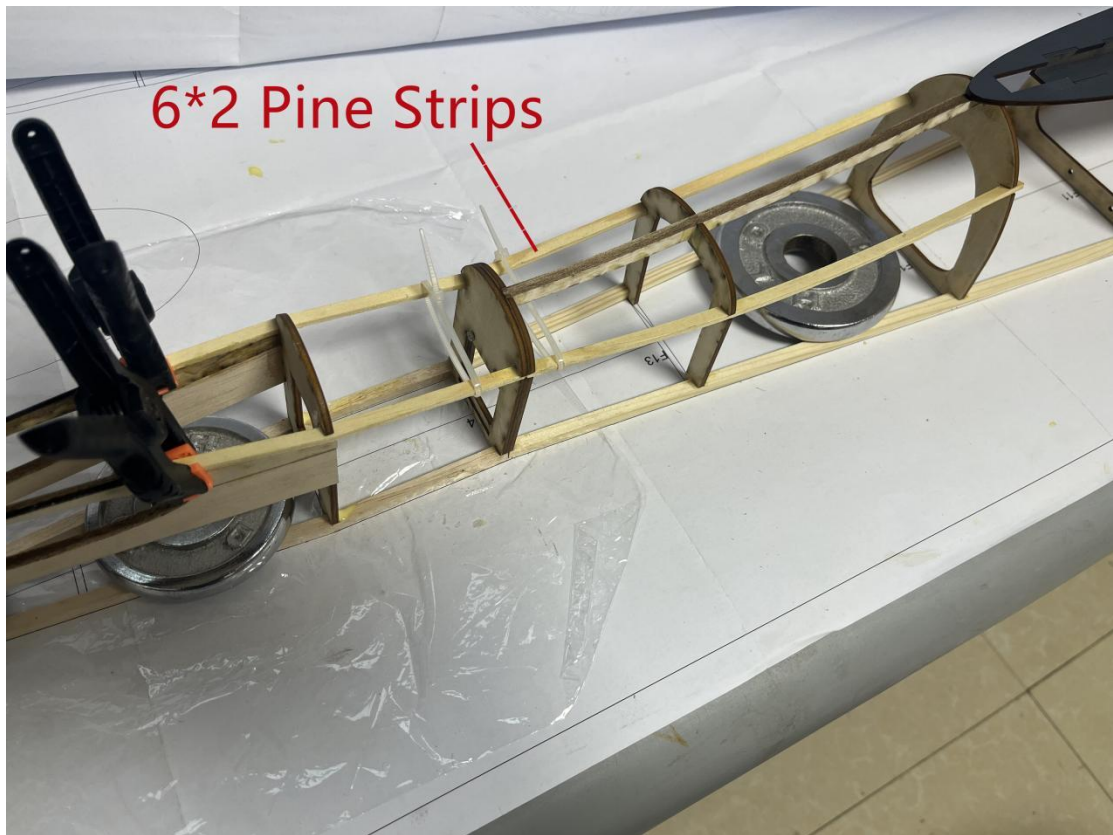
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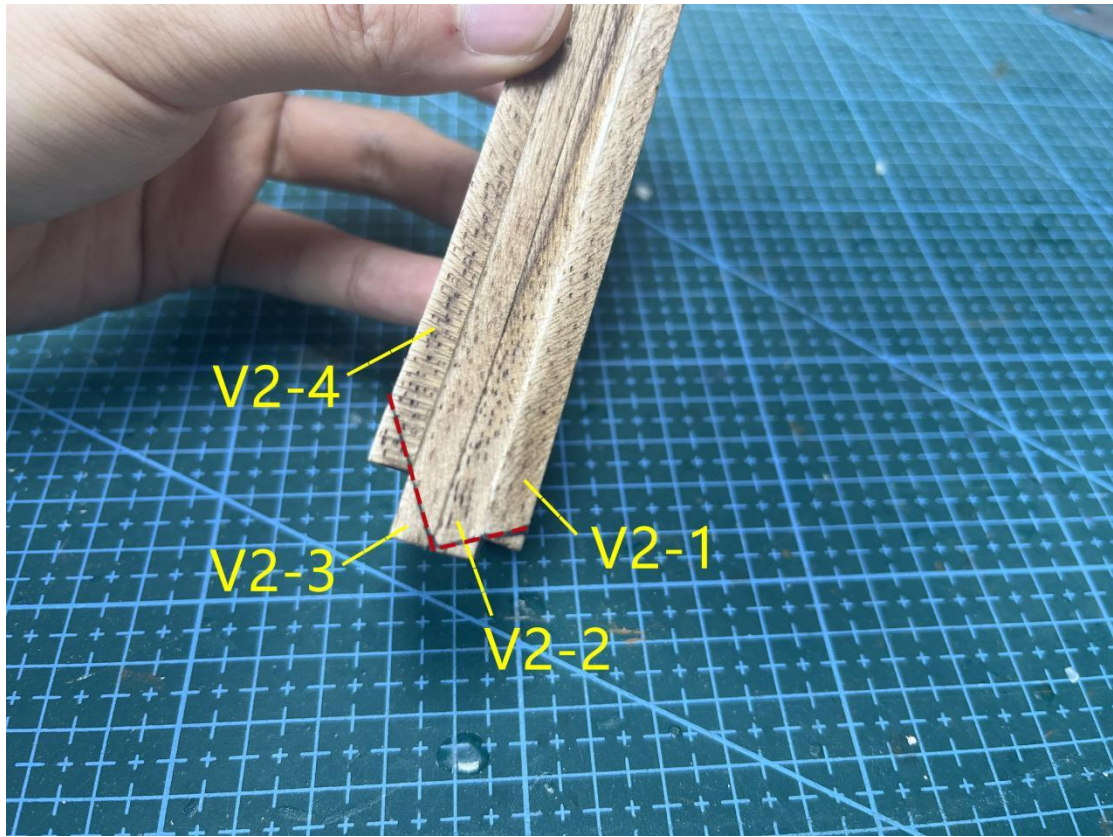
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2.23



2.24



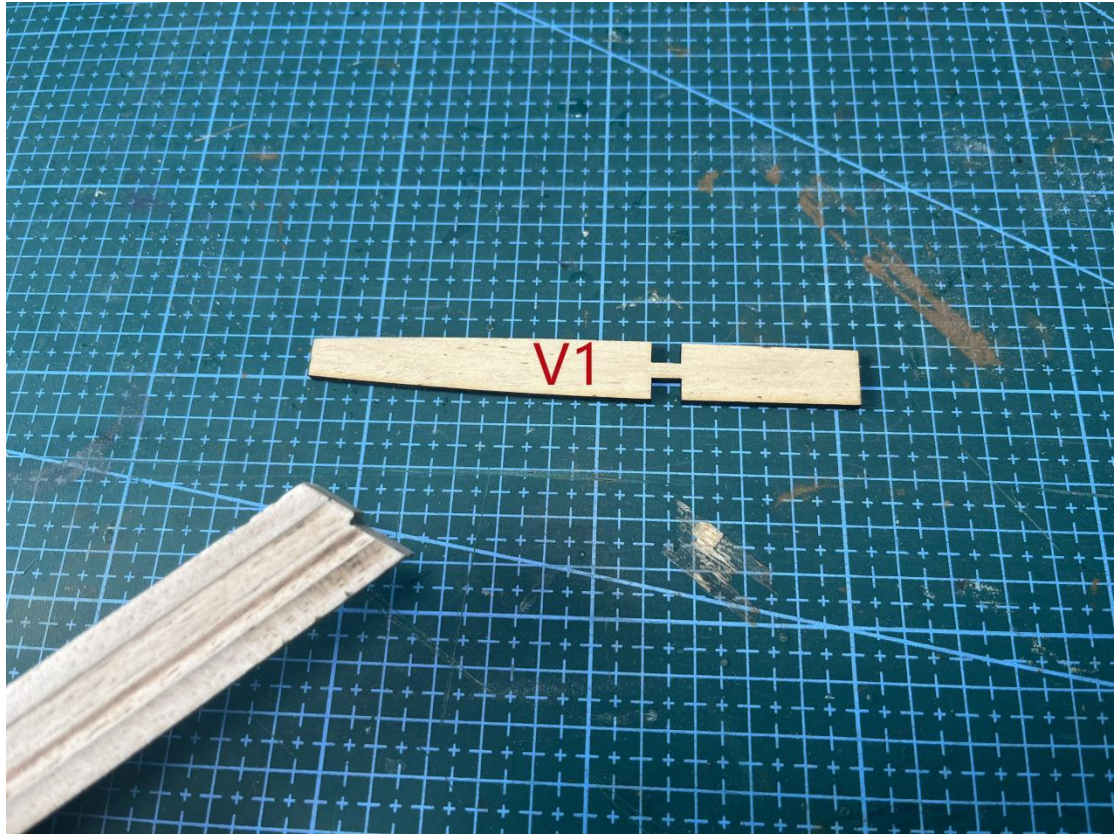
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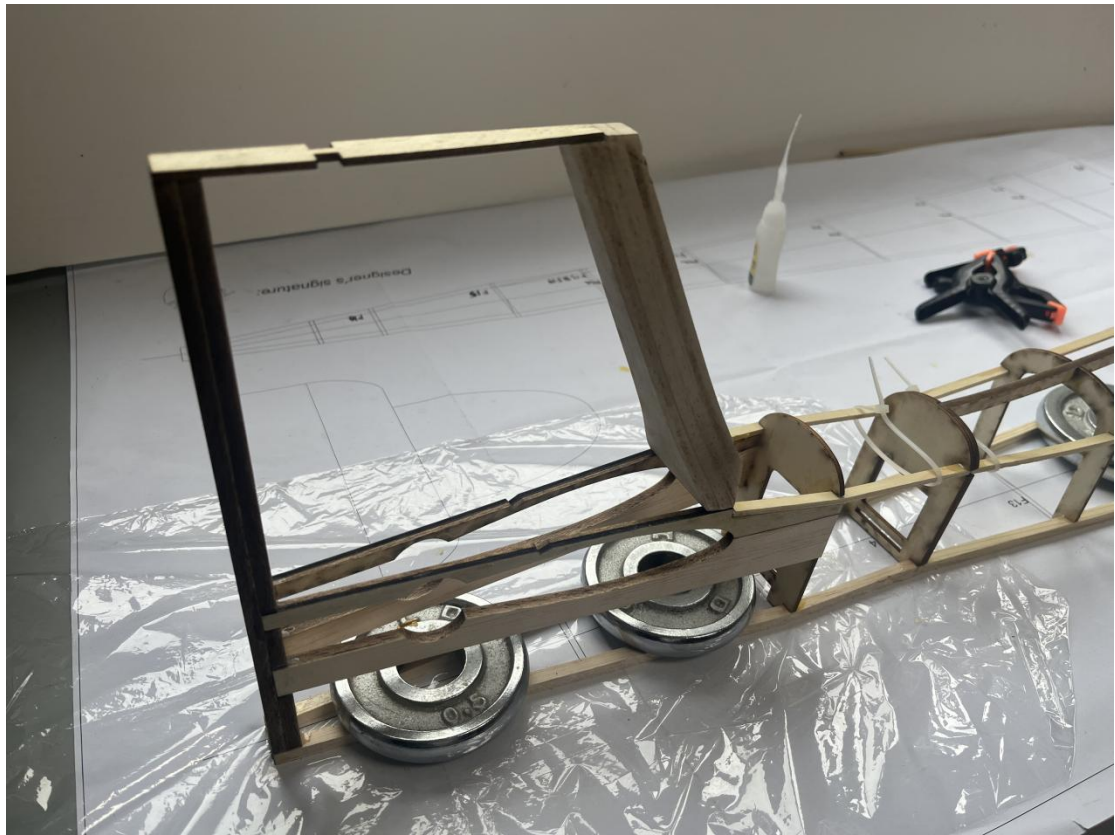
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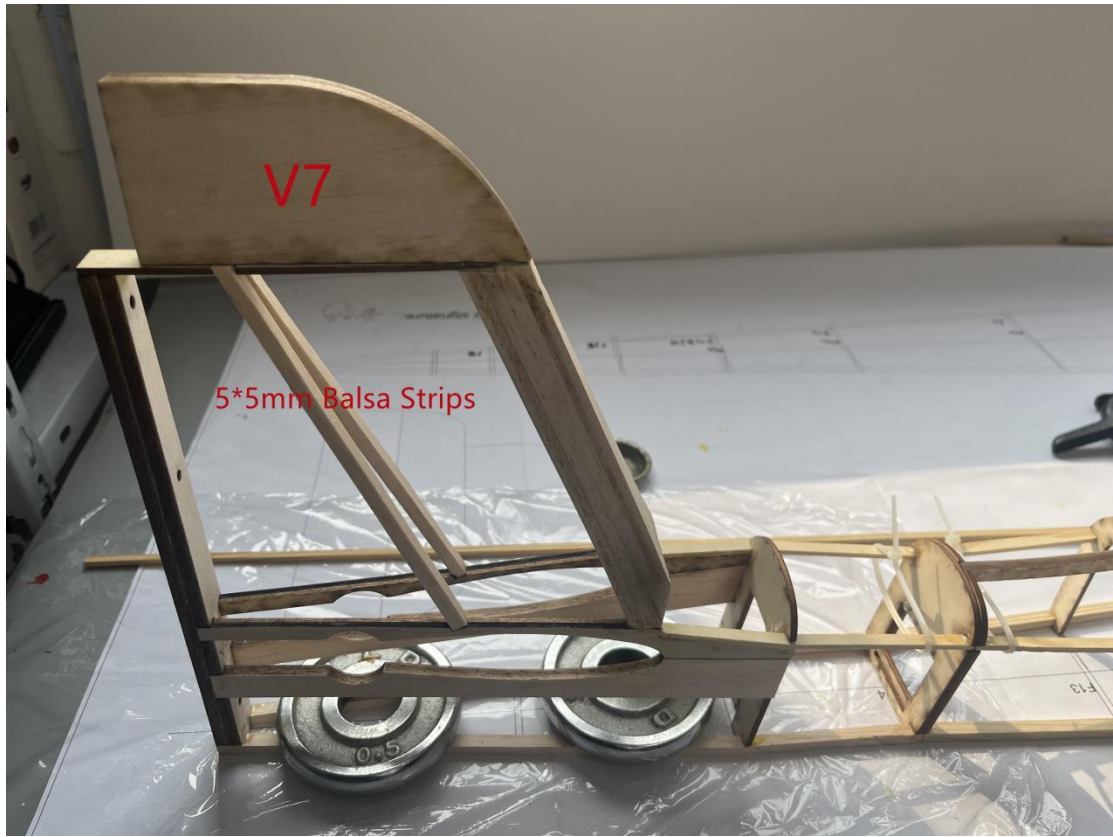
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2.28



2.29



2.30



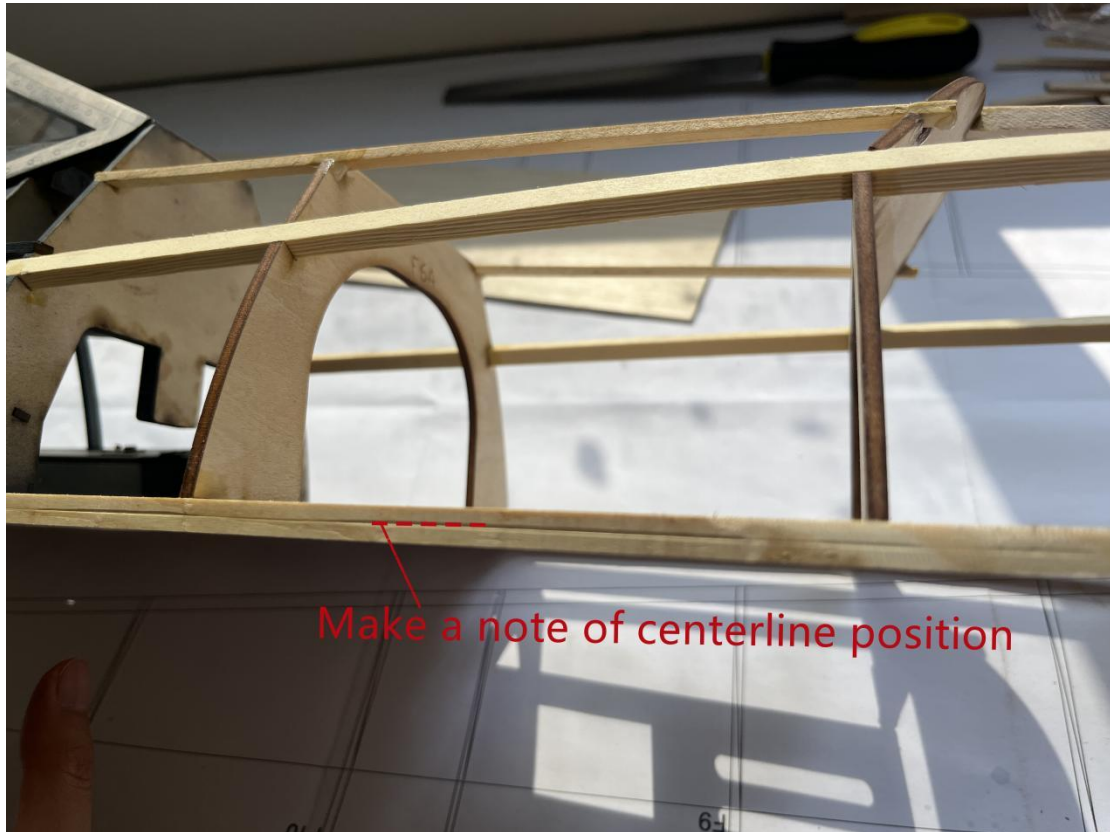
Part Location Lookup Form:
3.Cover The Upper Fuselage

FC1

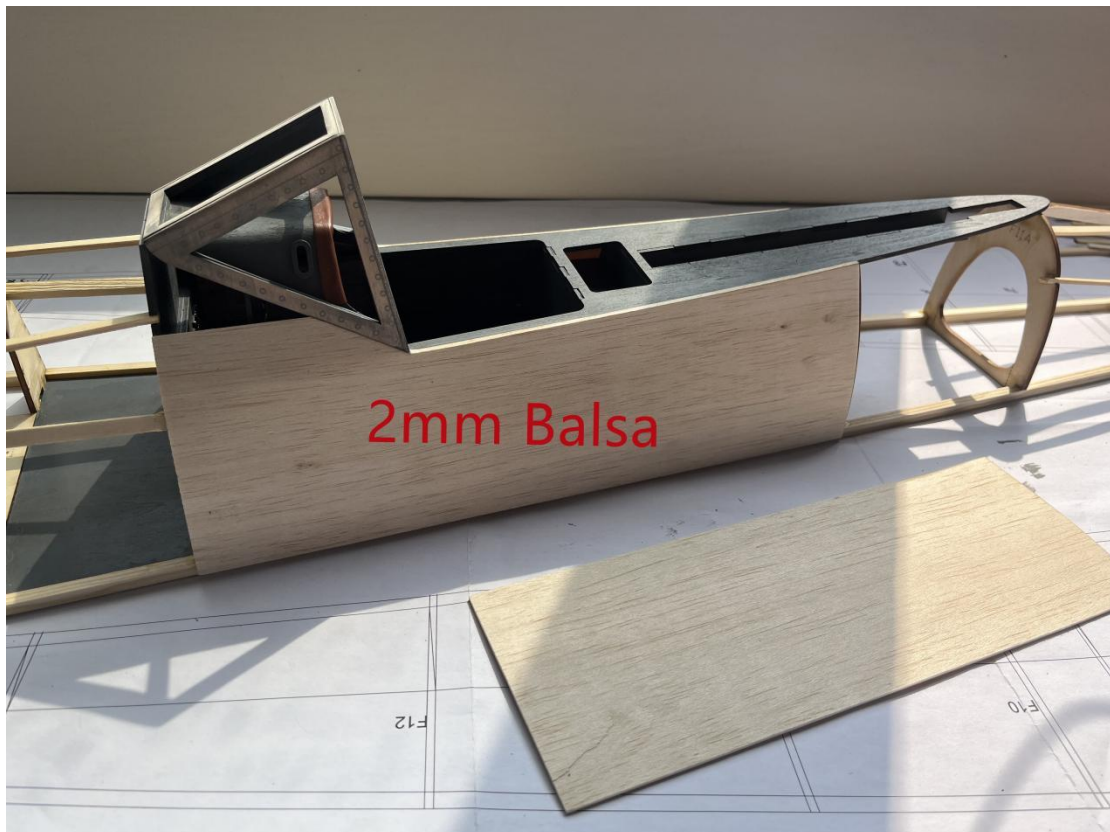
C1

Instruction: 3.Cover The Upper Fuselage

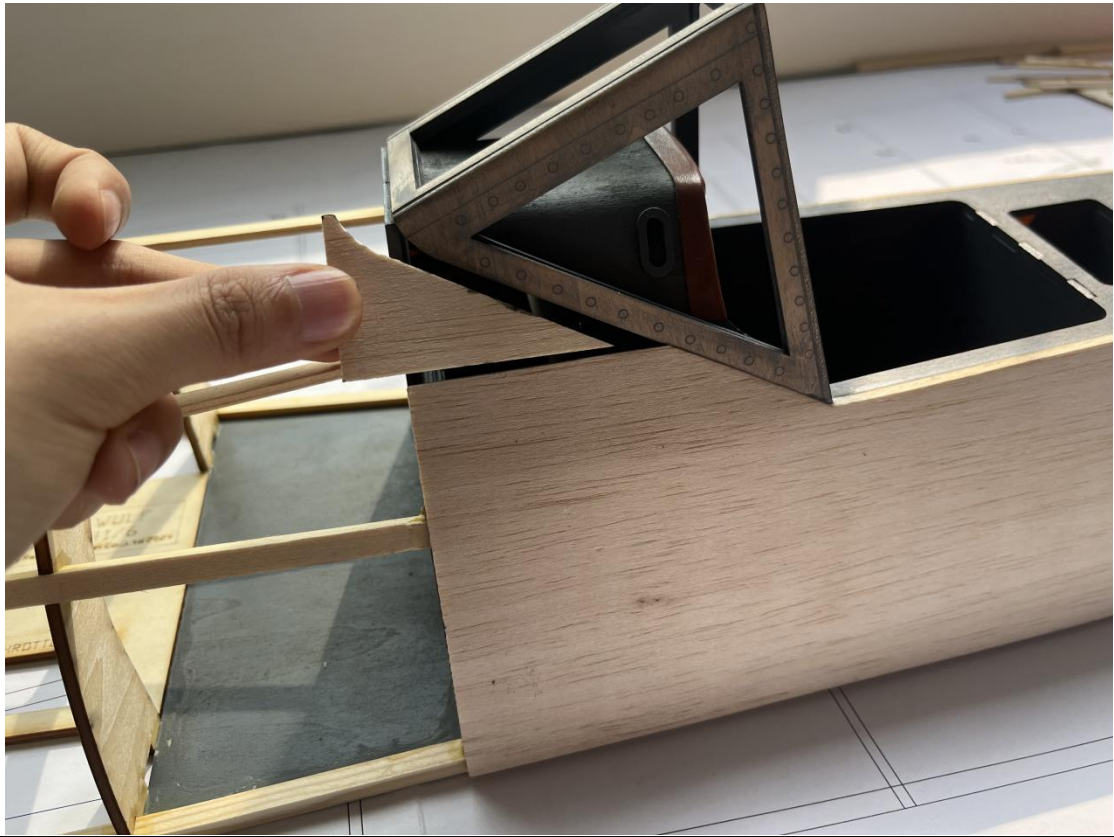
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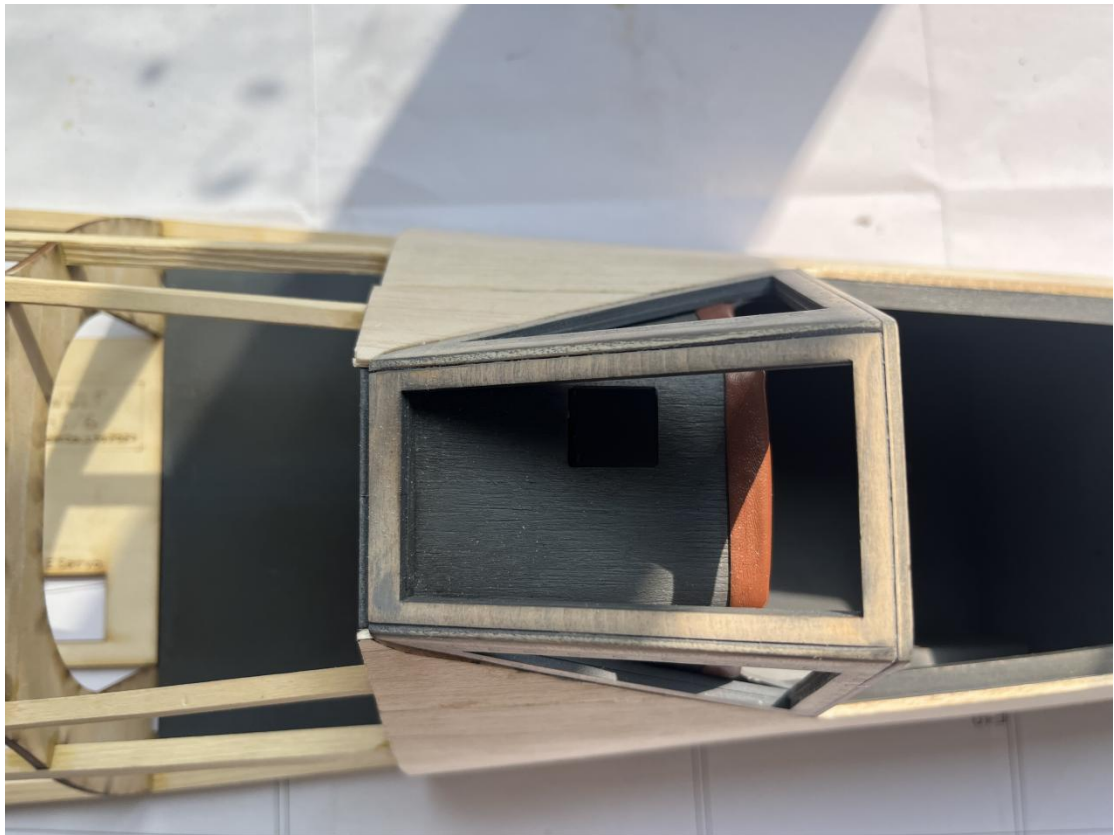
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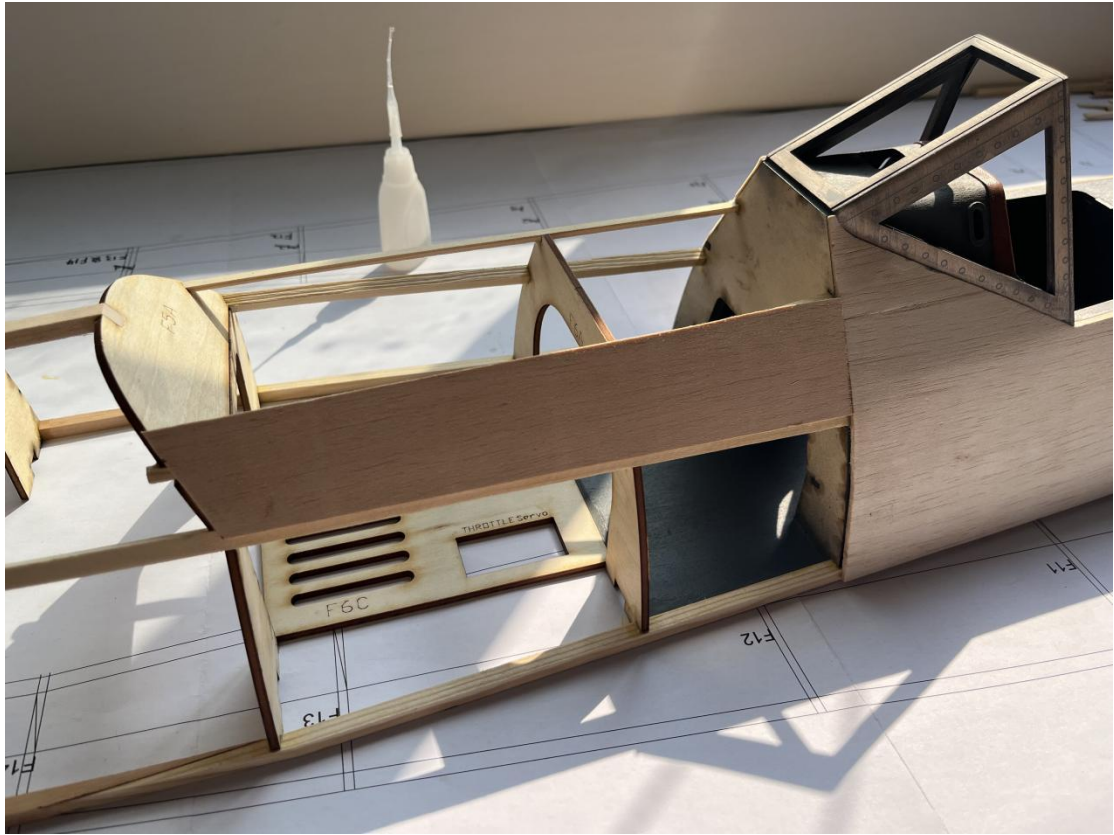
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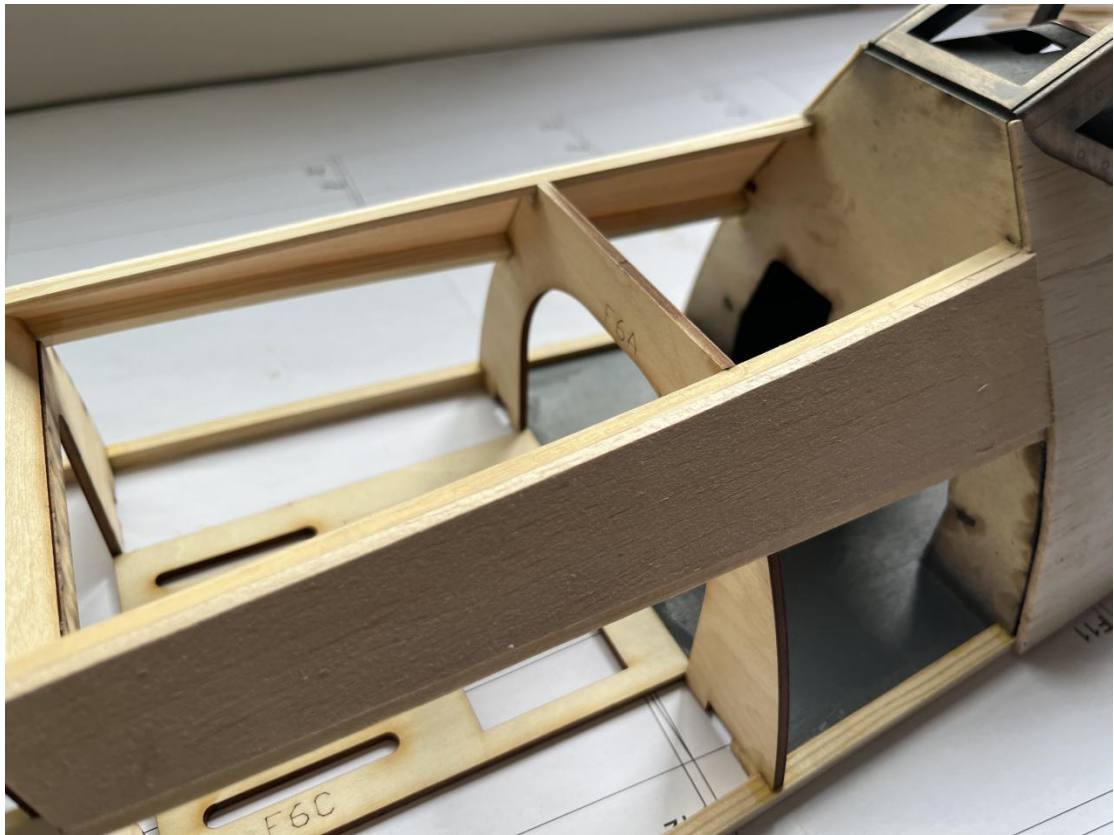
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3.5



3.6



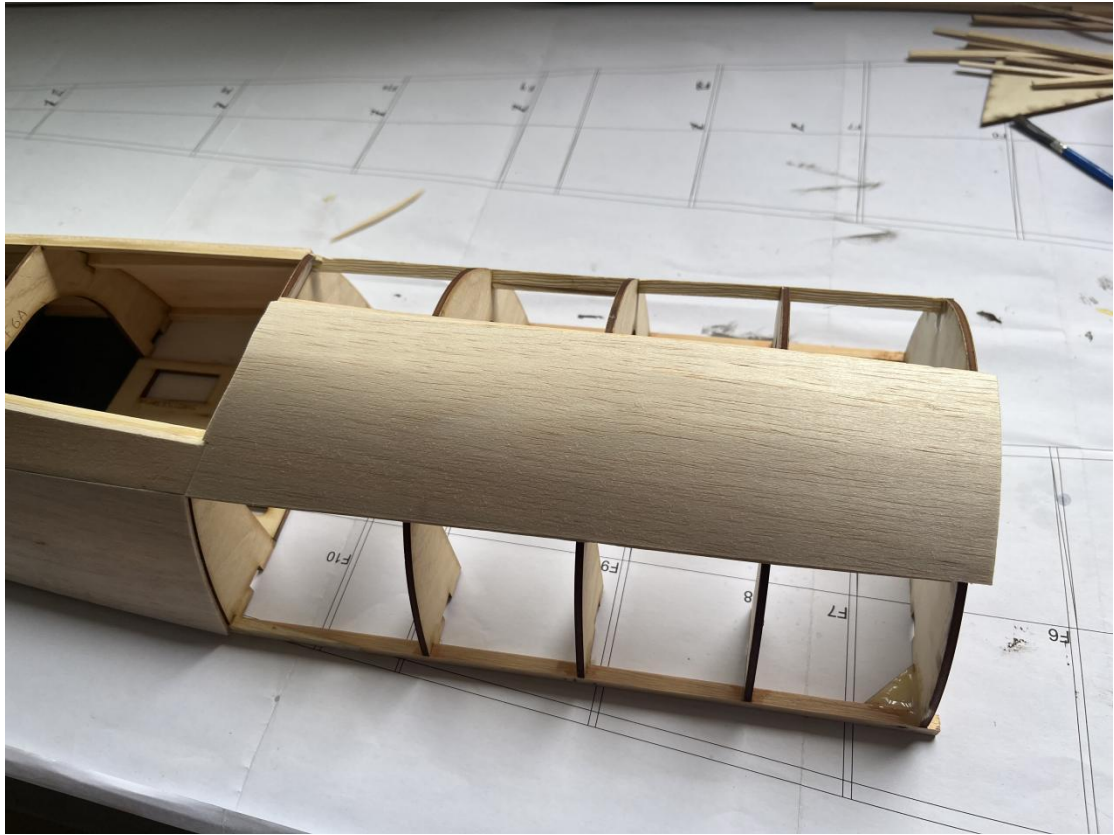
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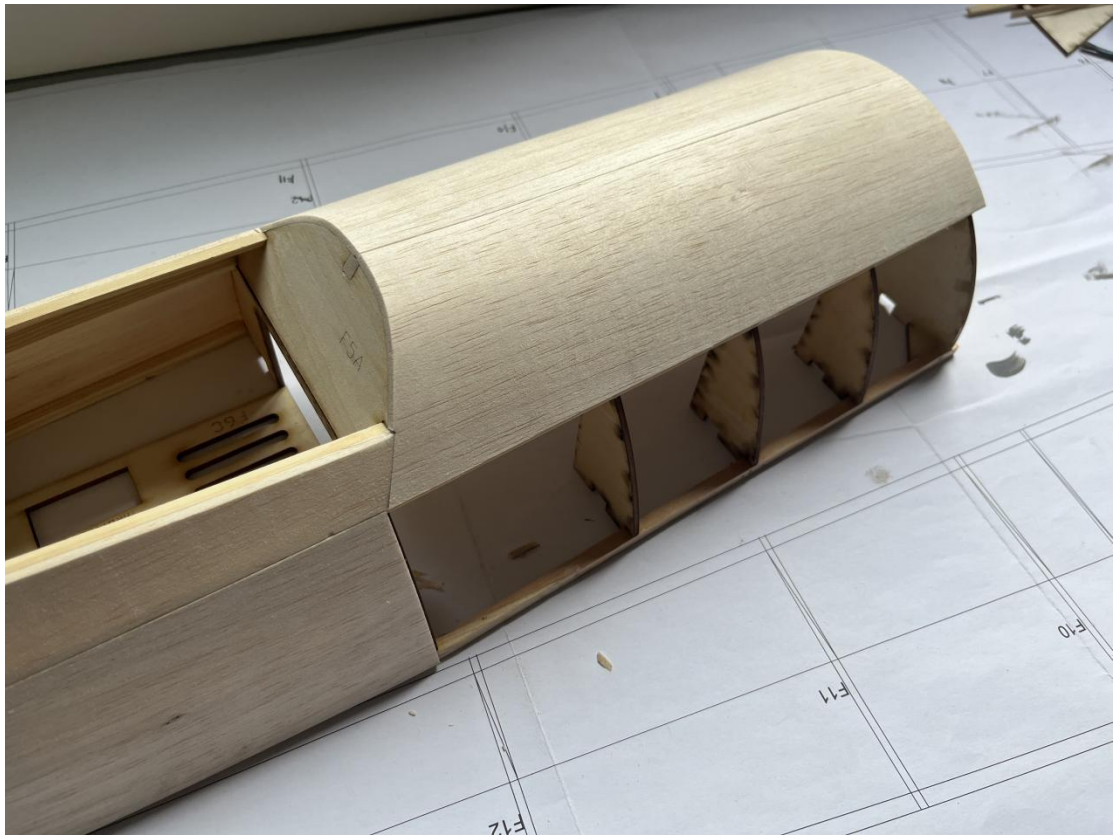
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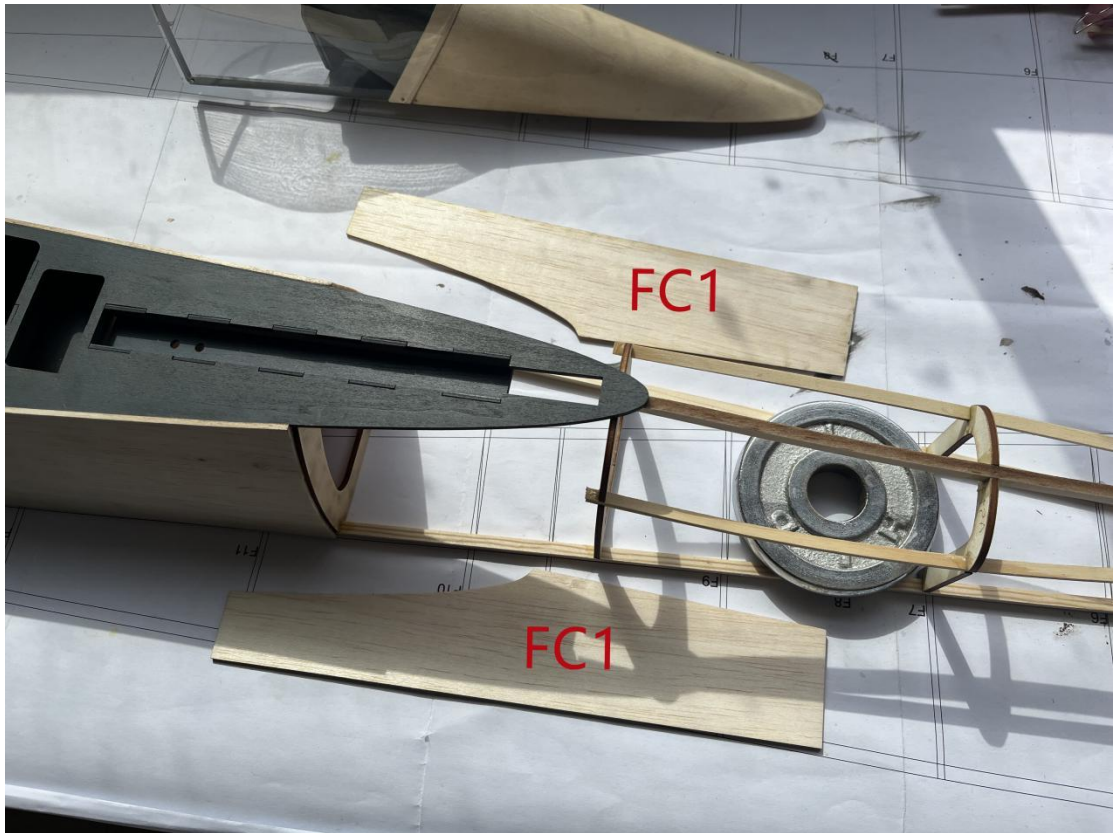
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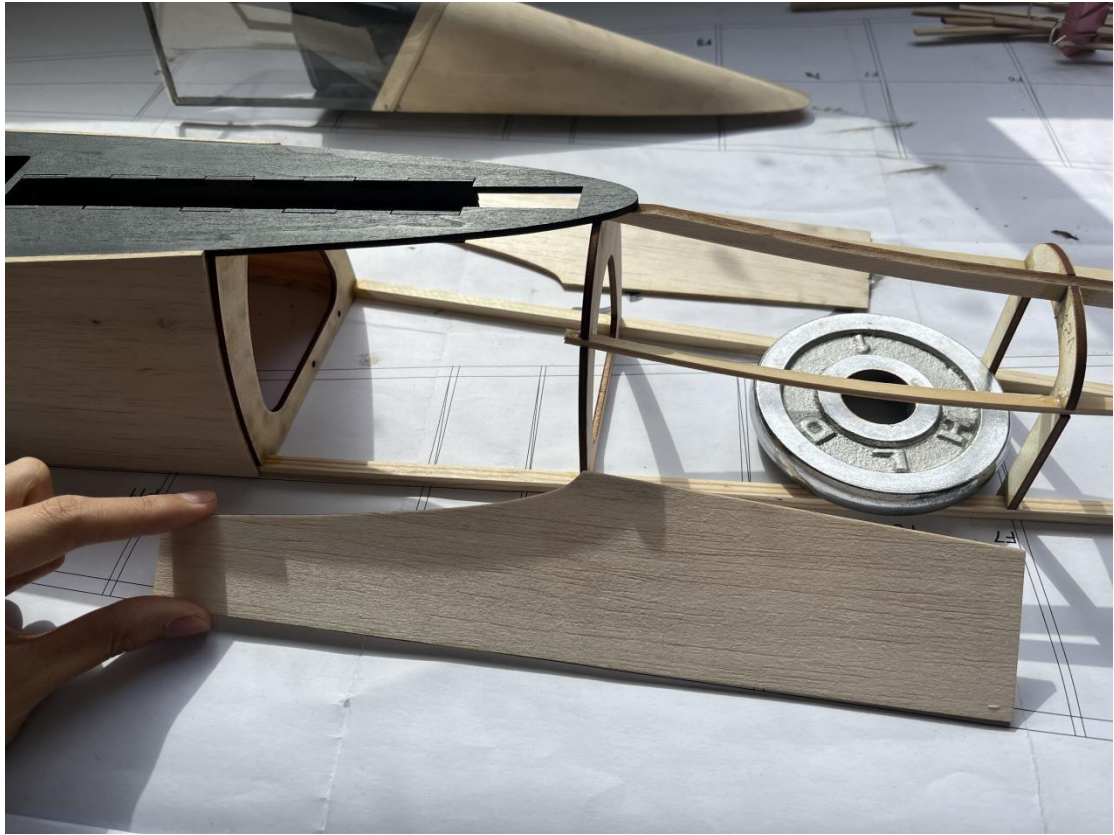
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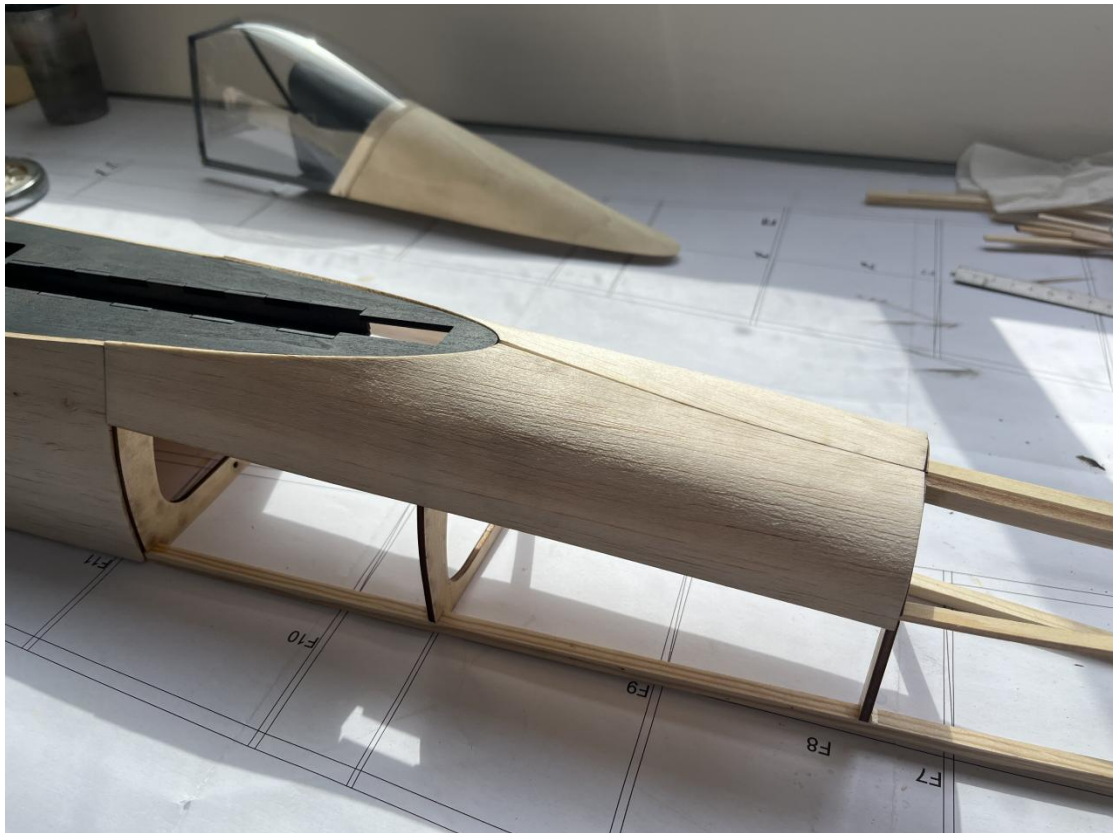
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3.13



3.14



3.15



3.16



3.17



Builder's note:

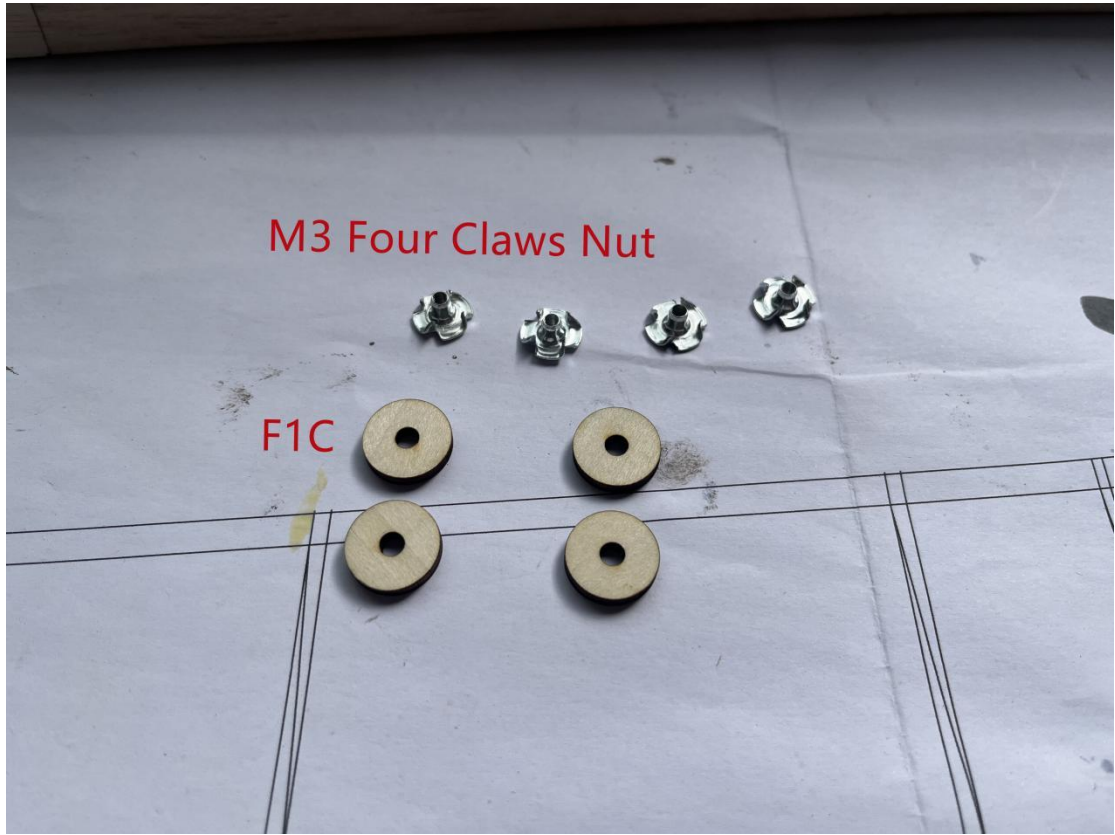
Part Location Lookup Form:

4. Bottom Fuselage

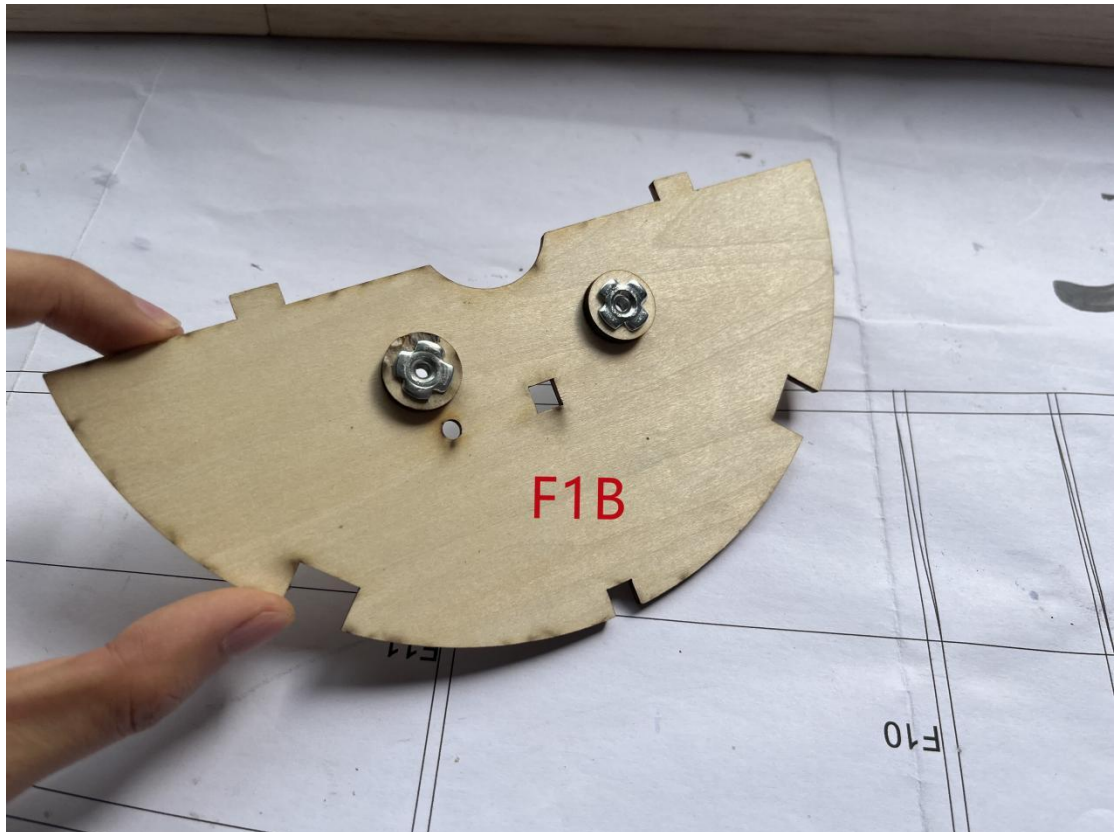
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B2	B1	FL2	F2
B3	B1	FC2	E17
F0	B5	F8C	B2
F4B	B6	F8D	B2
F4C	B1	FC3	E17
F4D	B2	FC4	C2
F2B	B5	FC6	C3
F3B	B6	FC7	G6
F2C	B2	F0A	F1
F5C	B6		
F6B	B9		
F7B	B9		
F8B	B9		
F9B	B10		
F9C	B2		
F10B	B10		
F10C	B2		
F11B	B10		

Instruction: 4. Bottom Fuselage

4.1



4.2



4.3



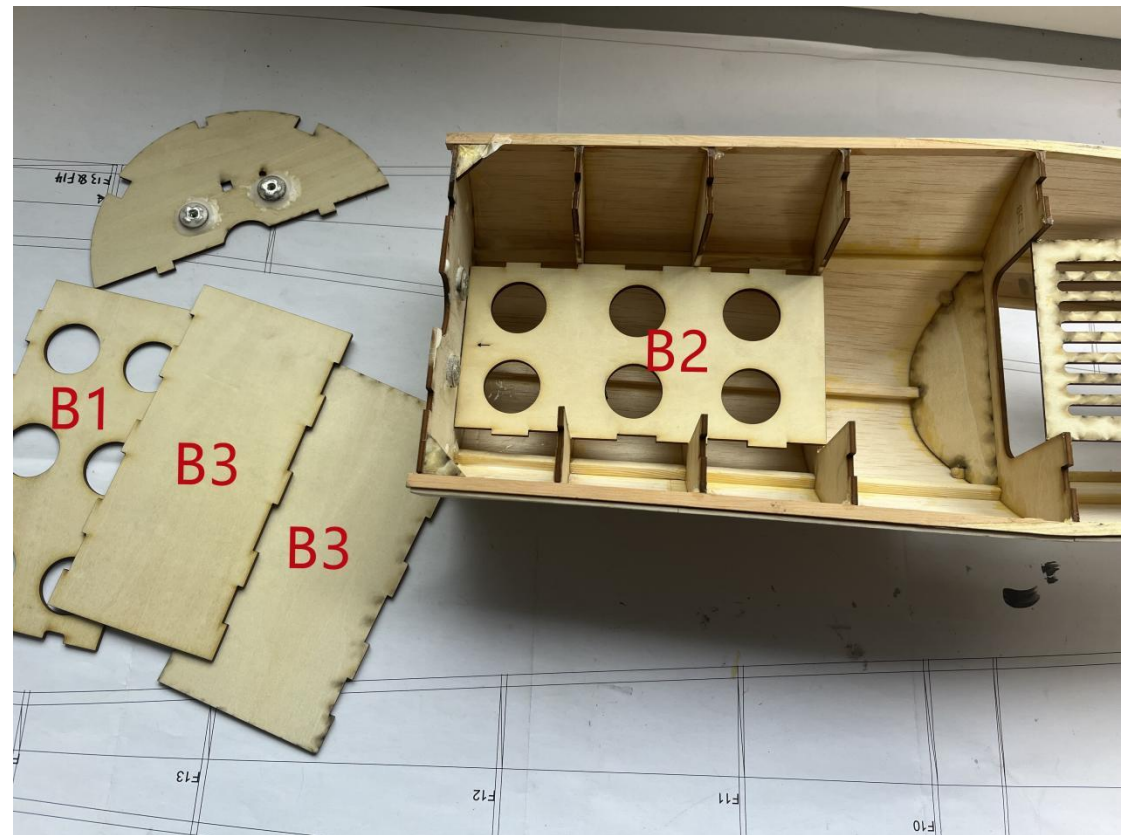
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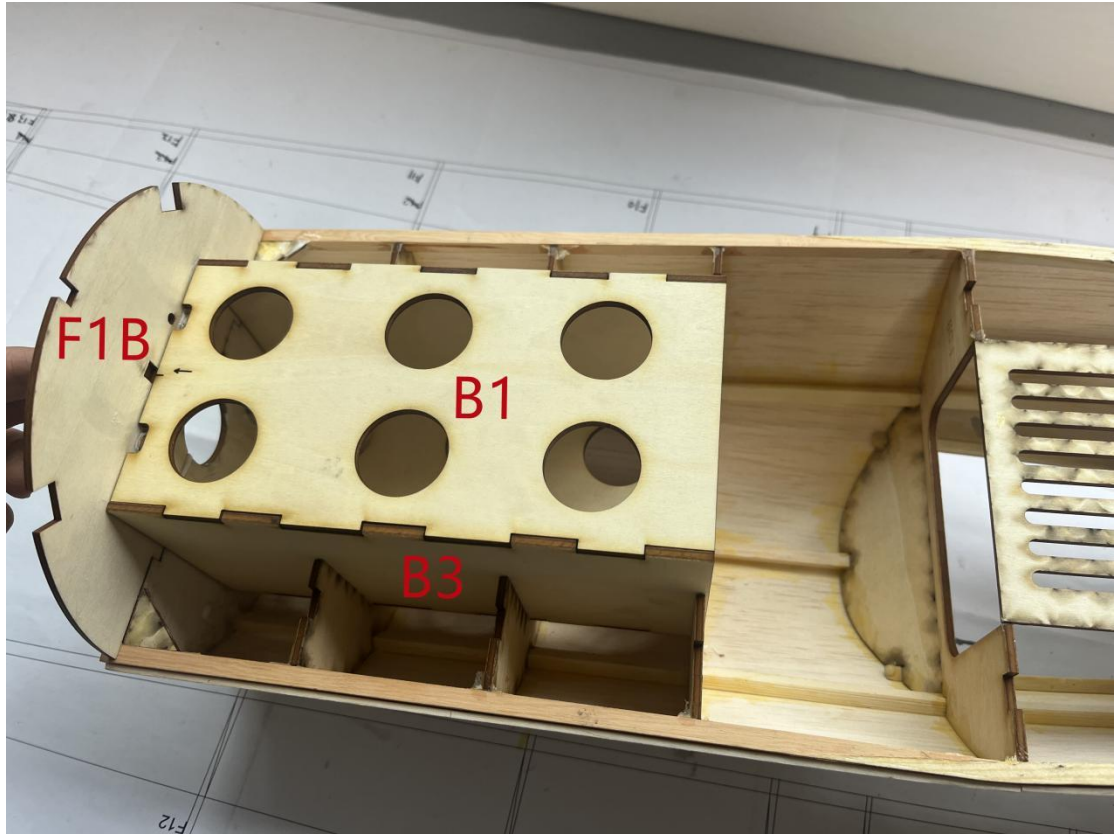
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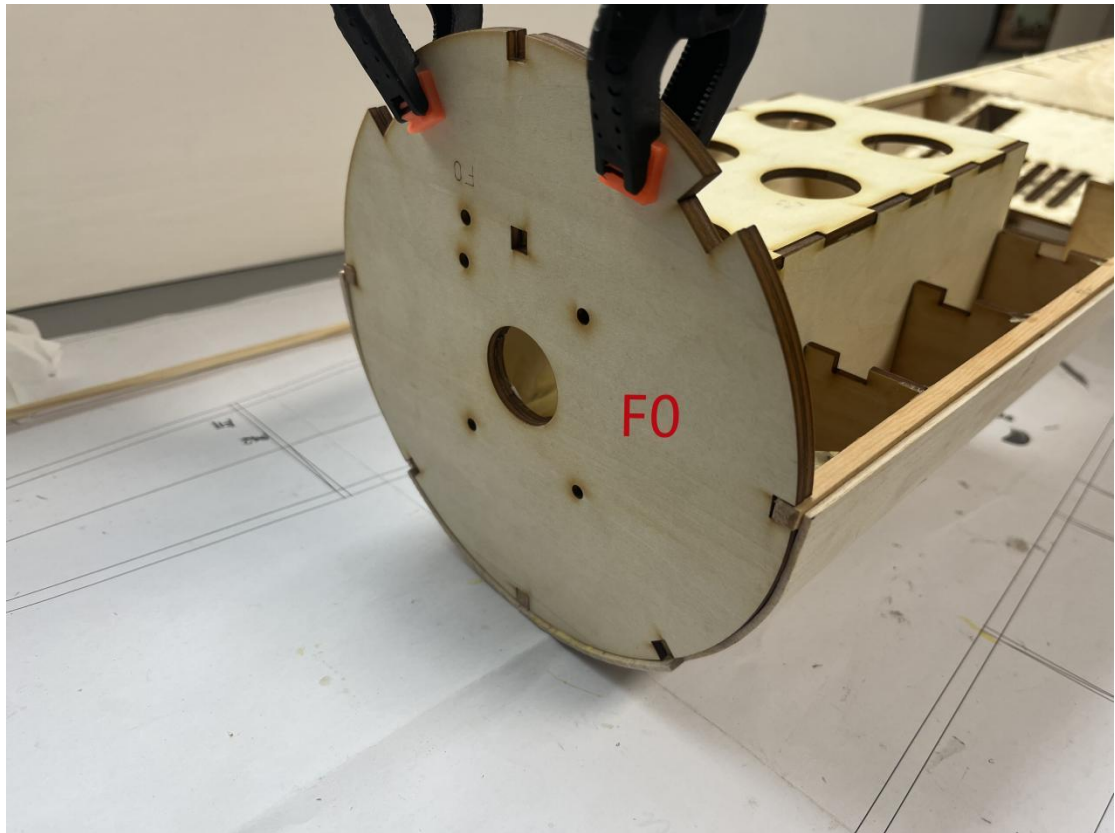
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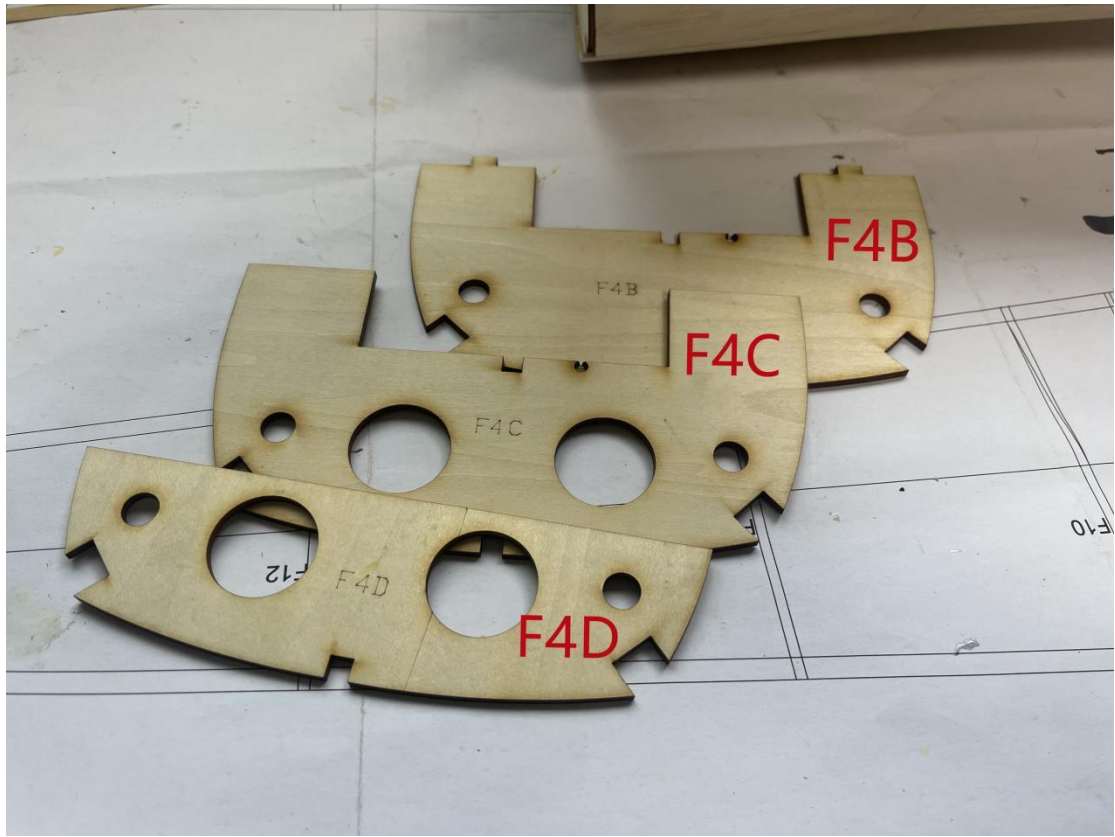
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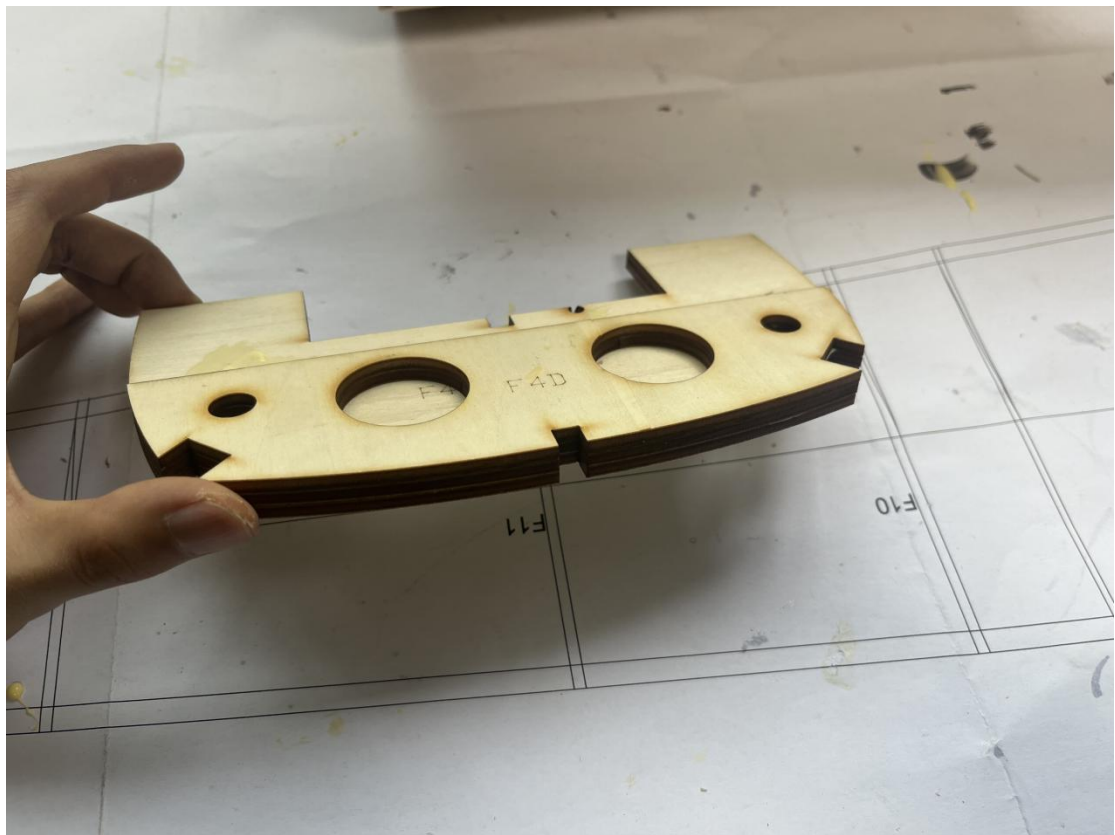
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4.9



4.10



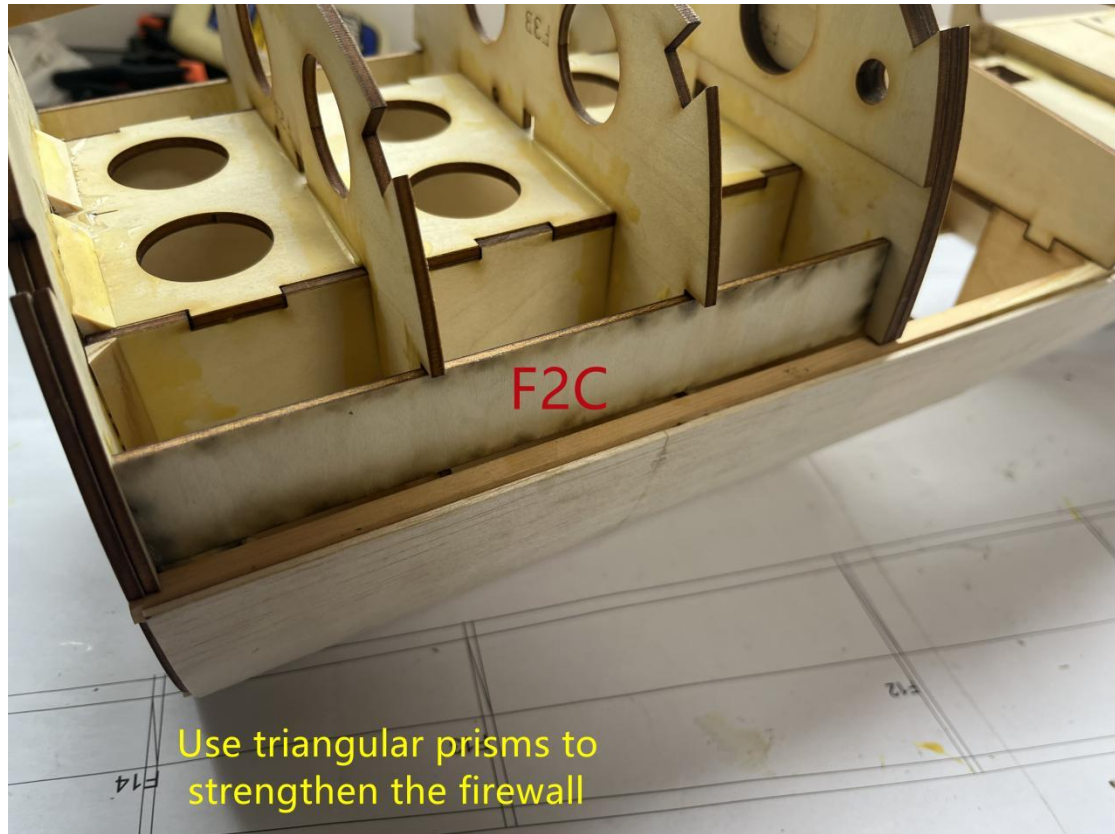
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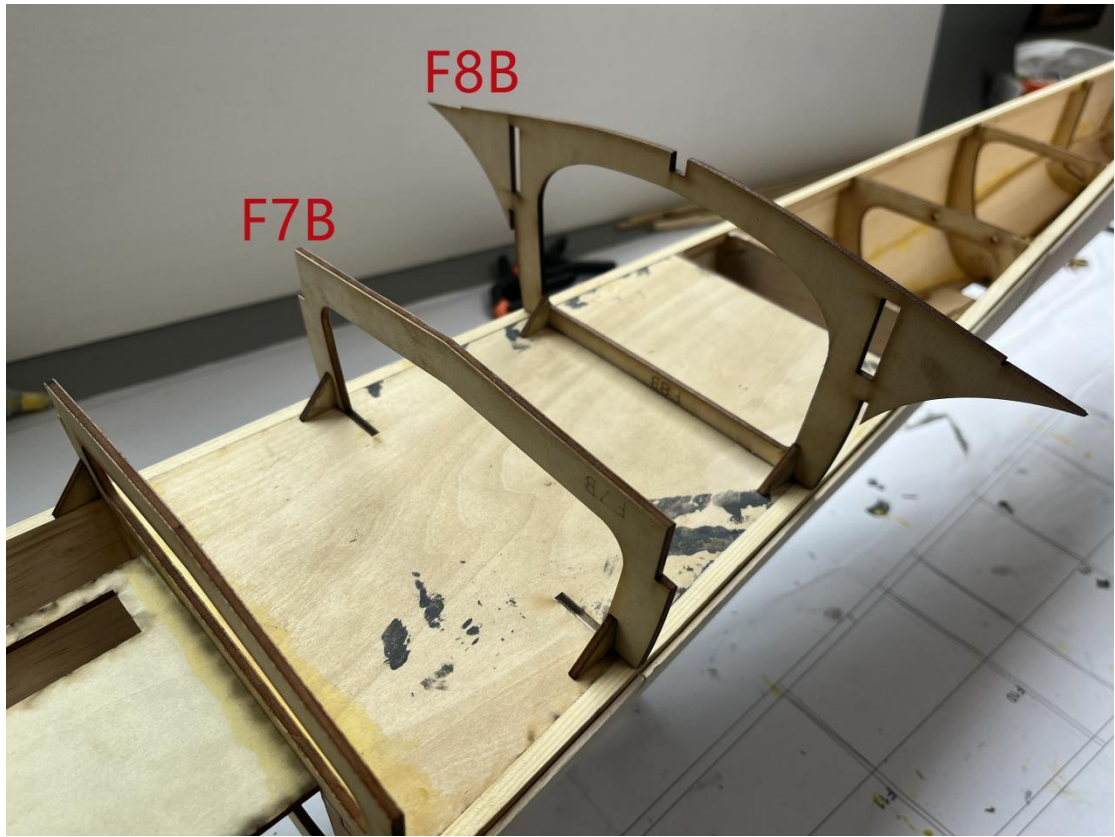
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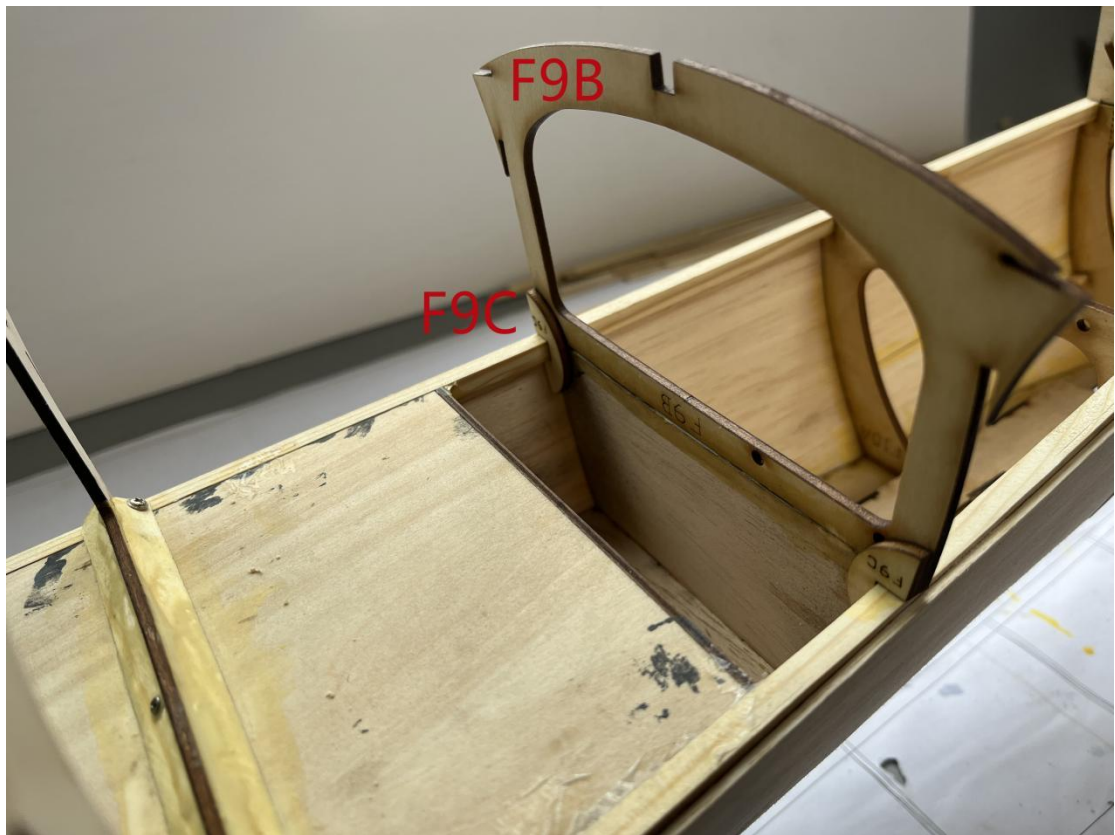
4.14



4.15



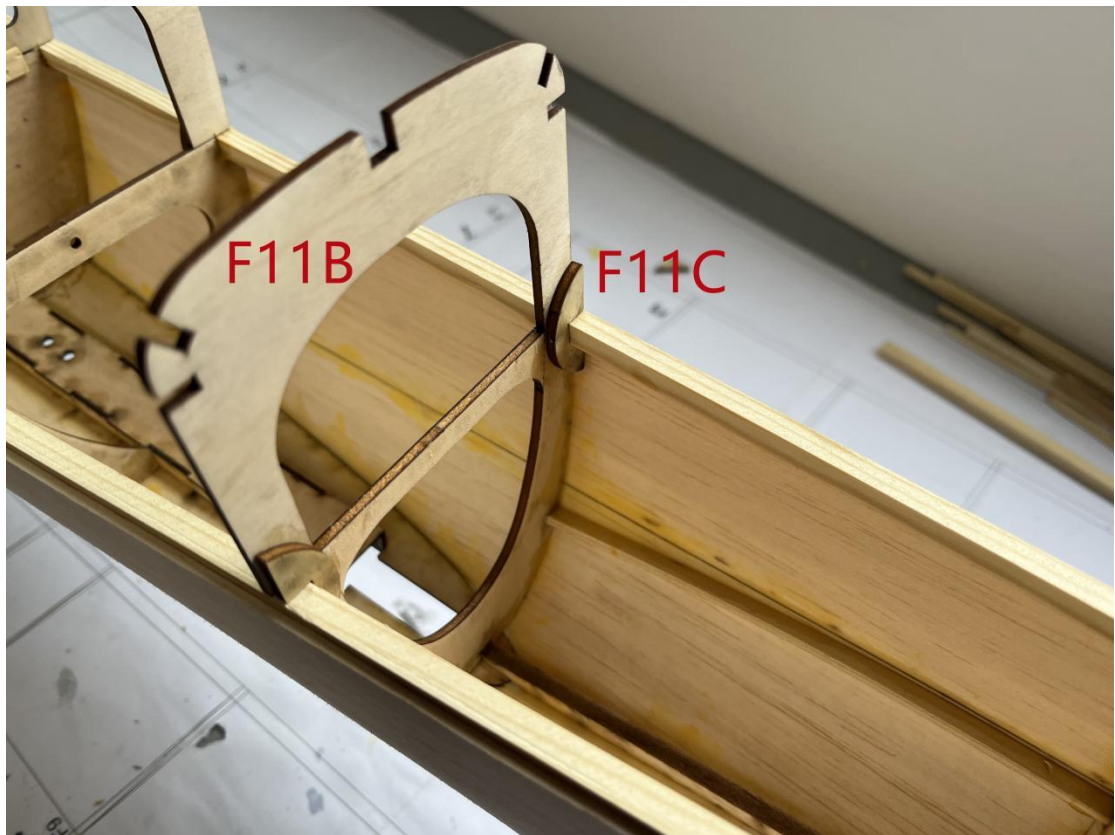
4.16



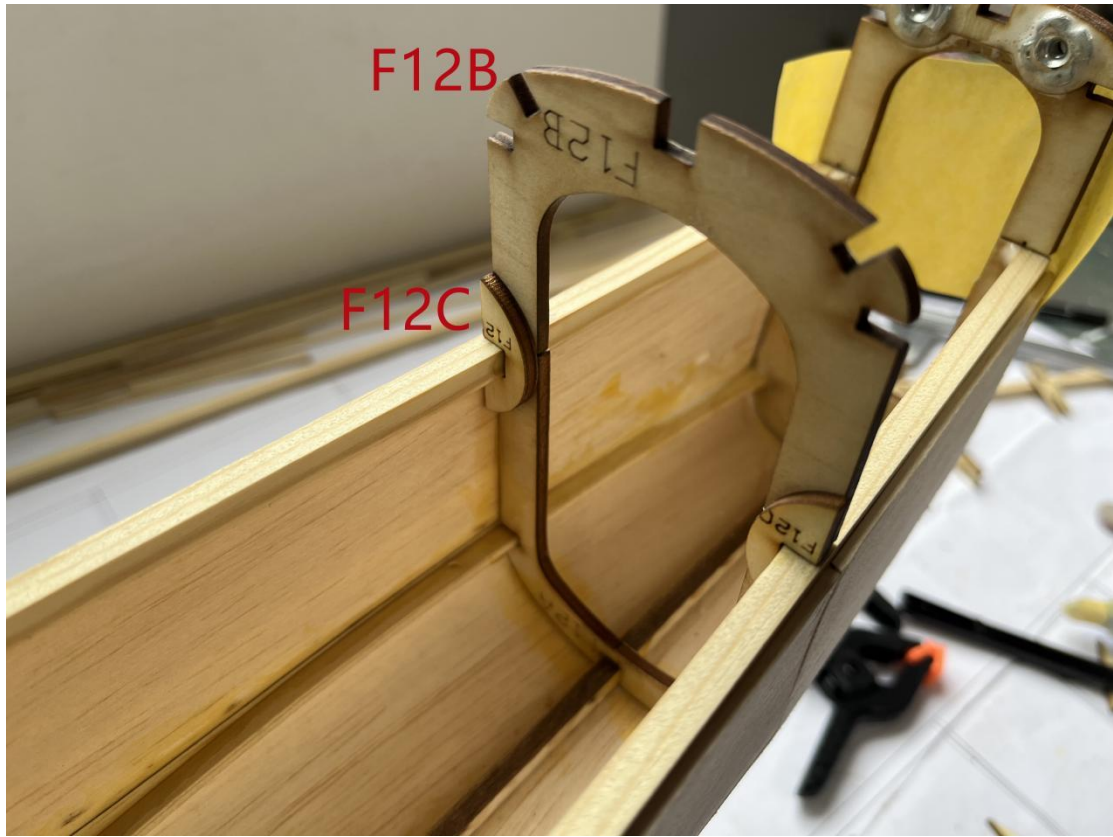
4.17



4.18



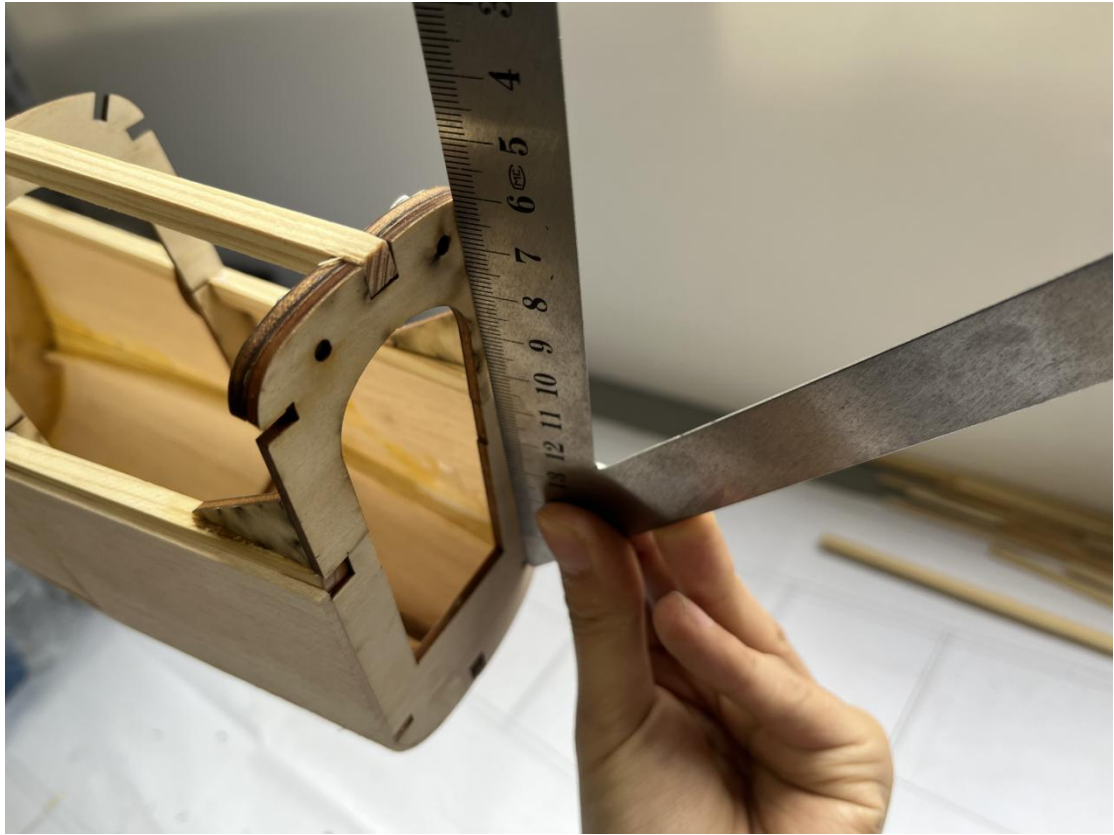
4.19



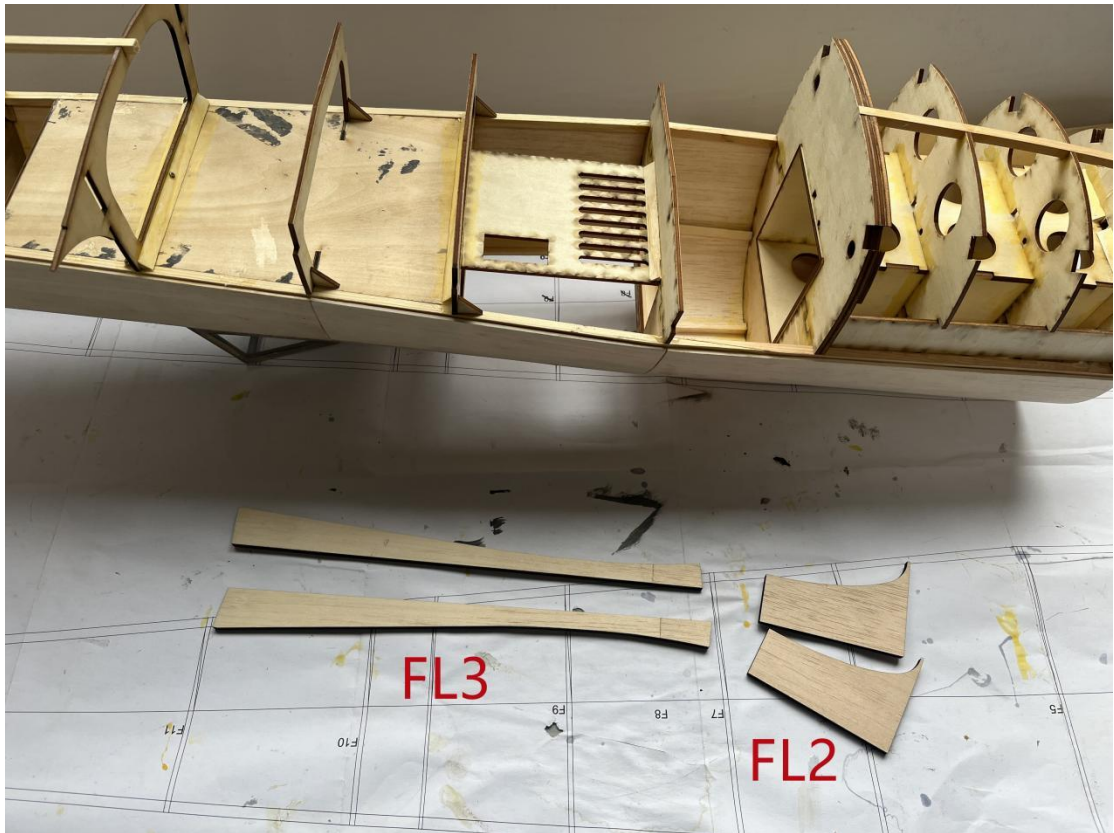
4.20



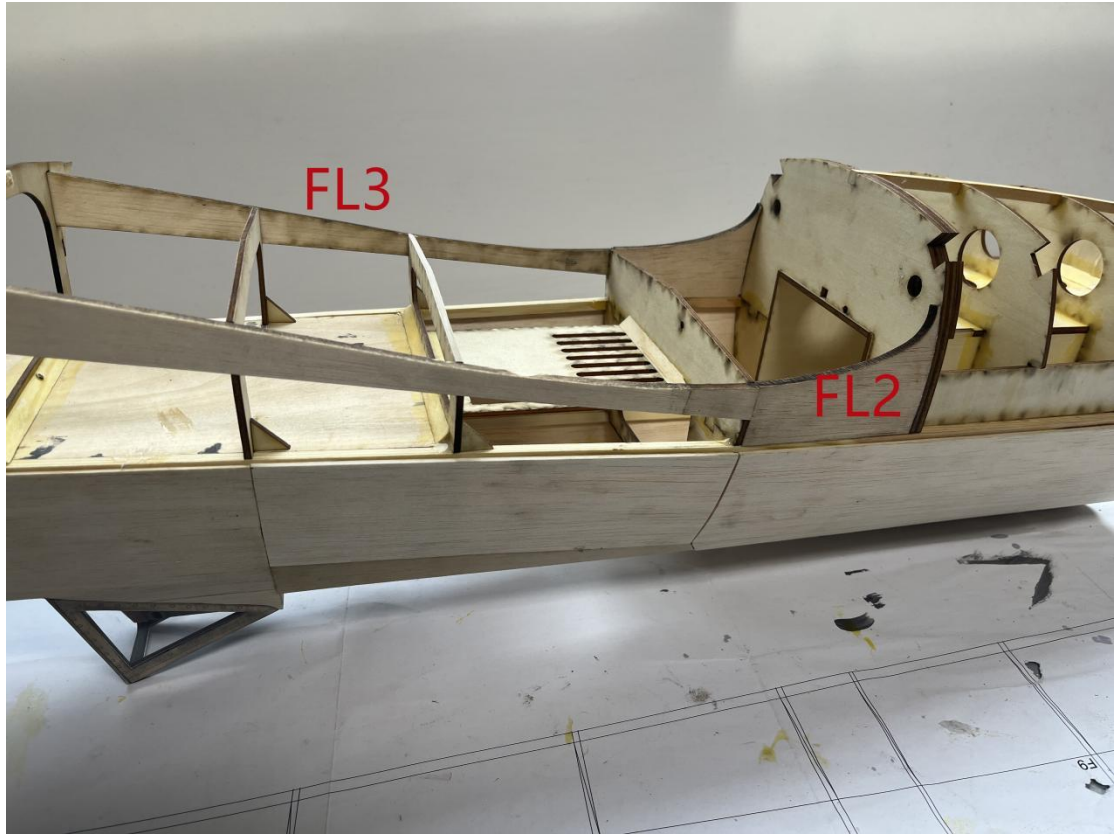
4.21



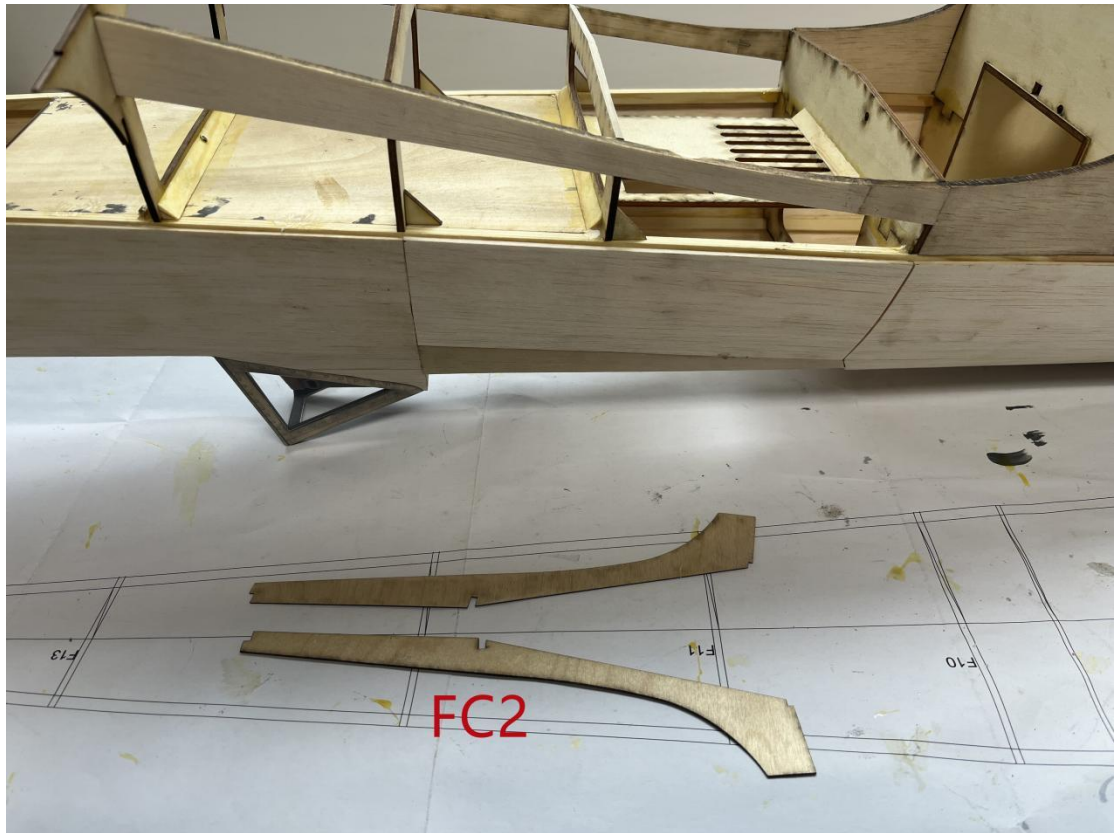
4.22



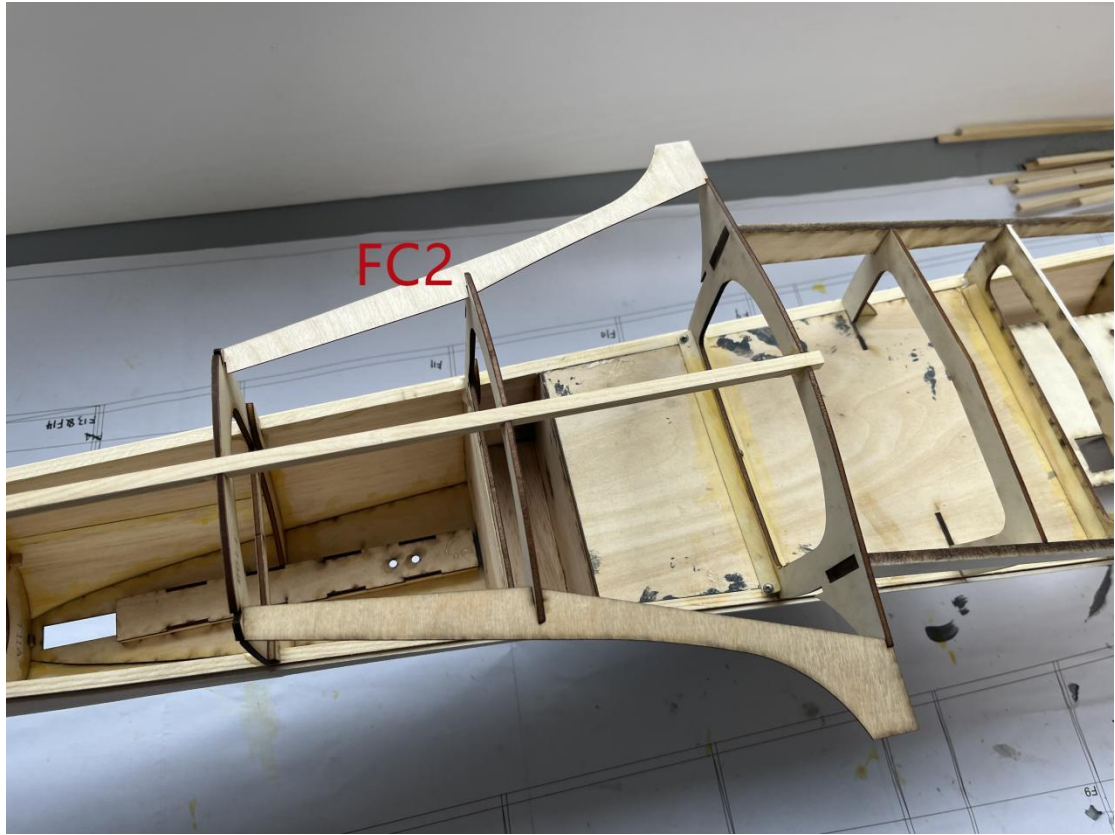
4.23



4.24



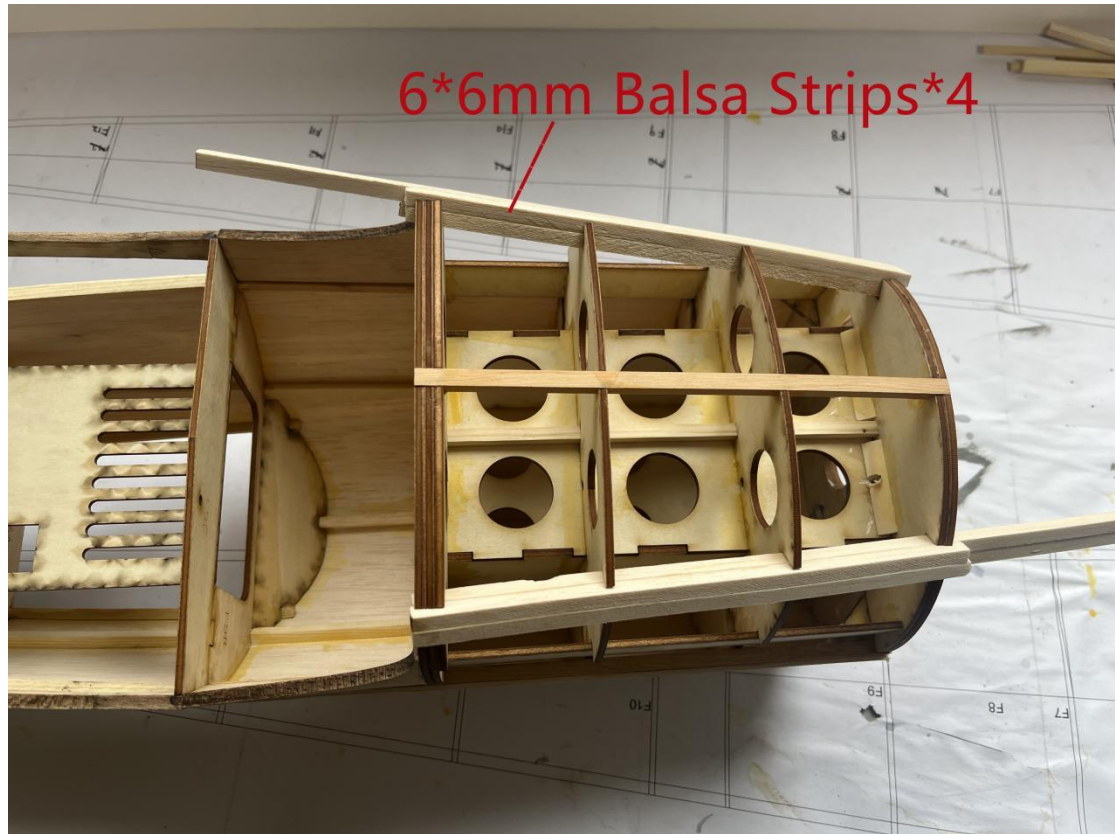
4.25



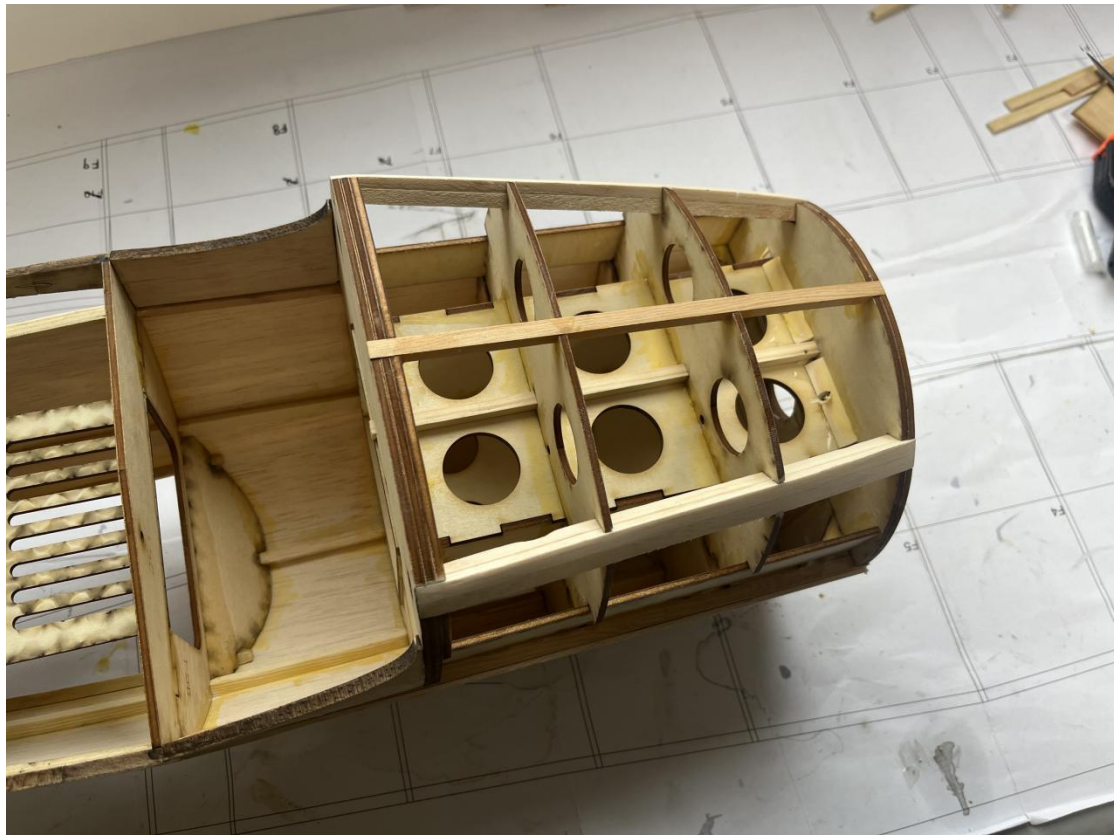
4.26



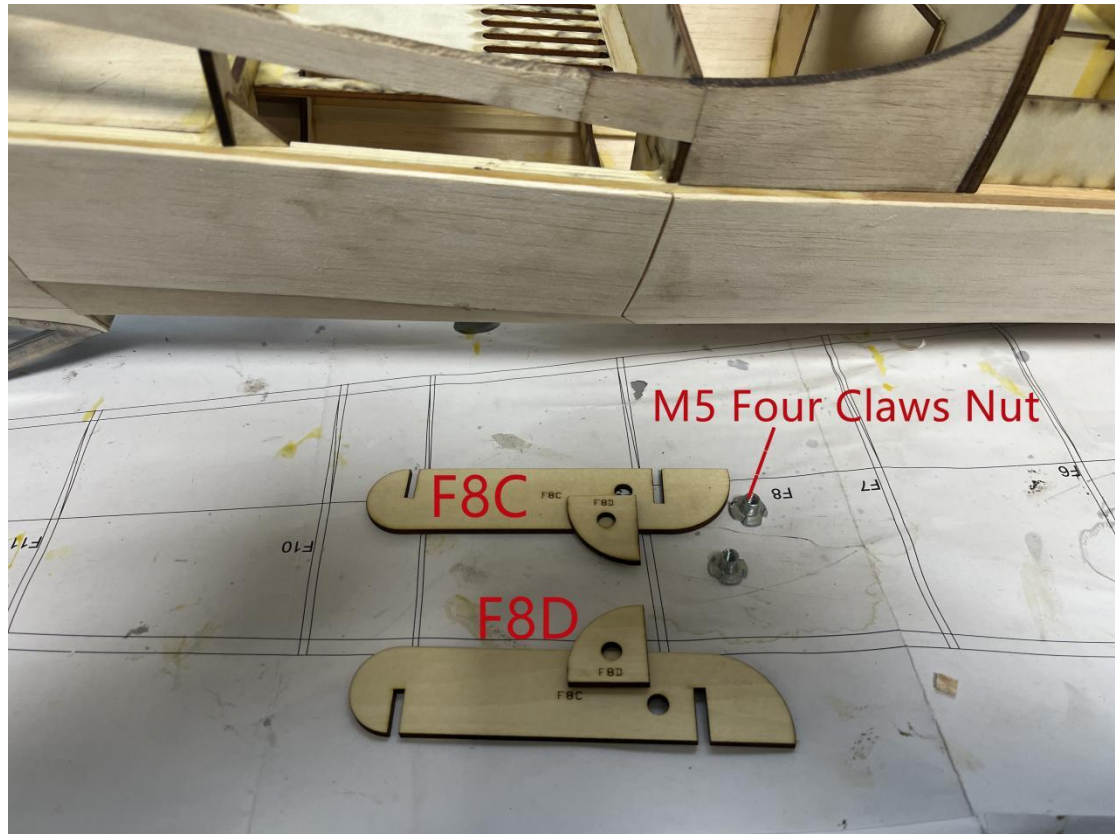
4.27



4.28



4.29



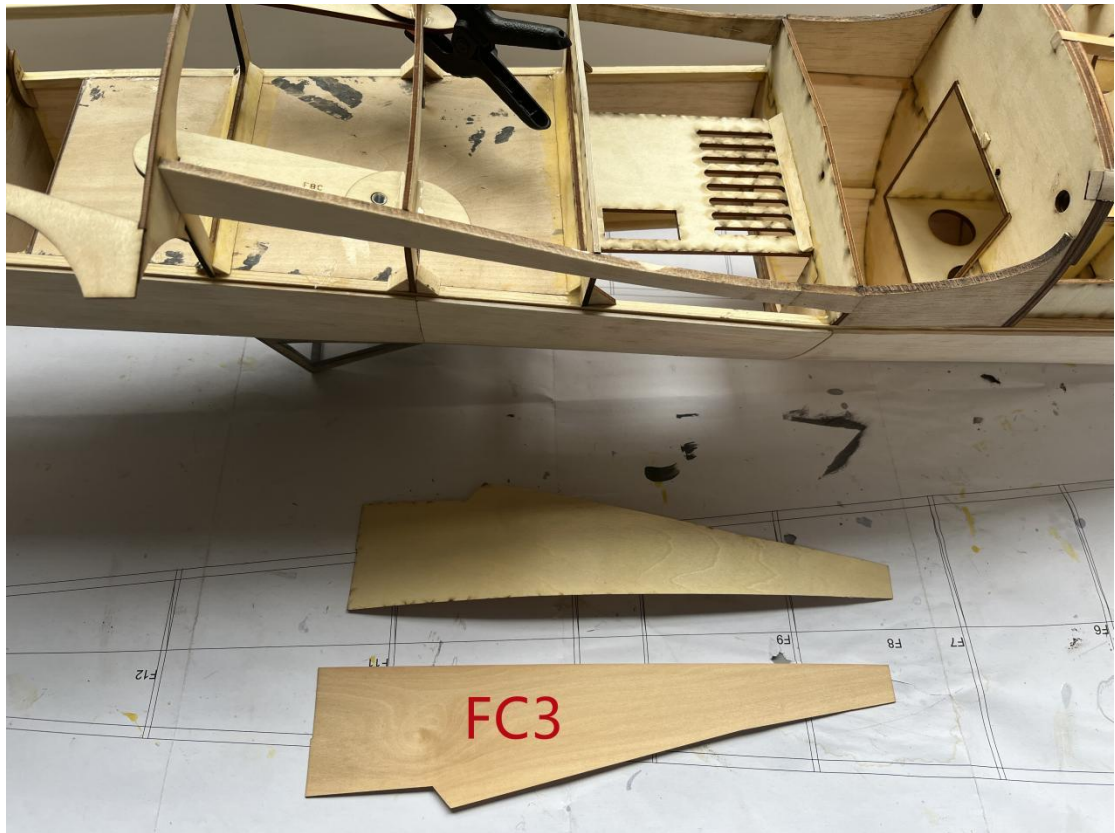
4.30



4.31



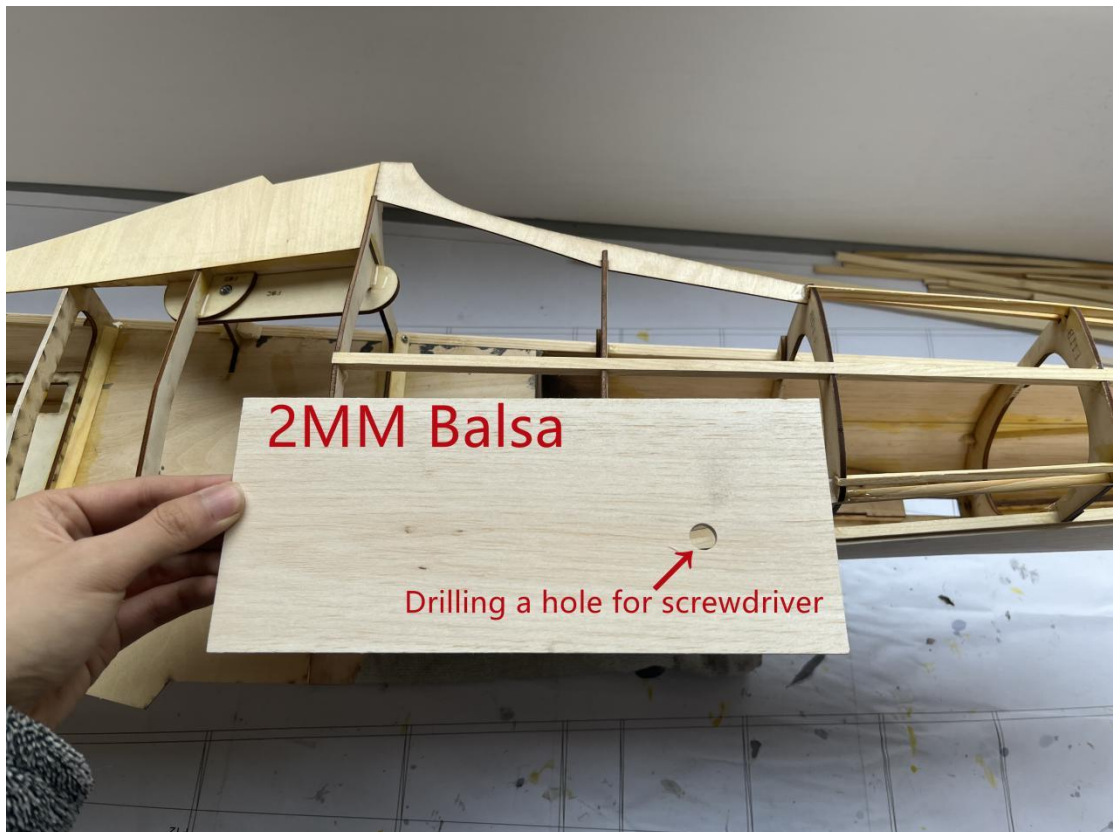
4.32



4.33



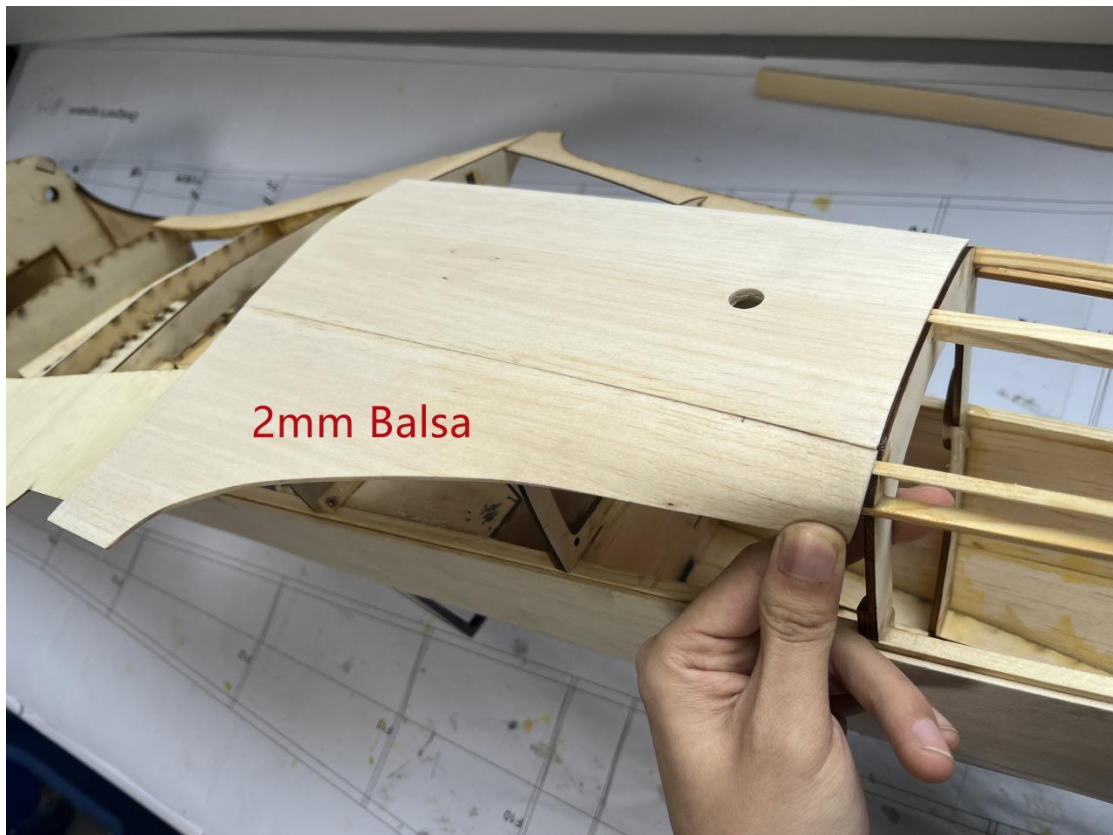
4.34



4.35



4.36



4.37



4.38



4.39



4.40



4.41



4.42



4.43



4.44



4.45



4.46



4.47



4.48



4.49



4.50



4.51



4.52



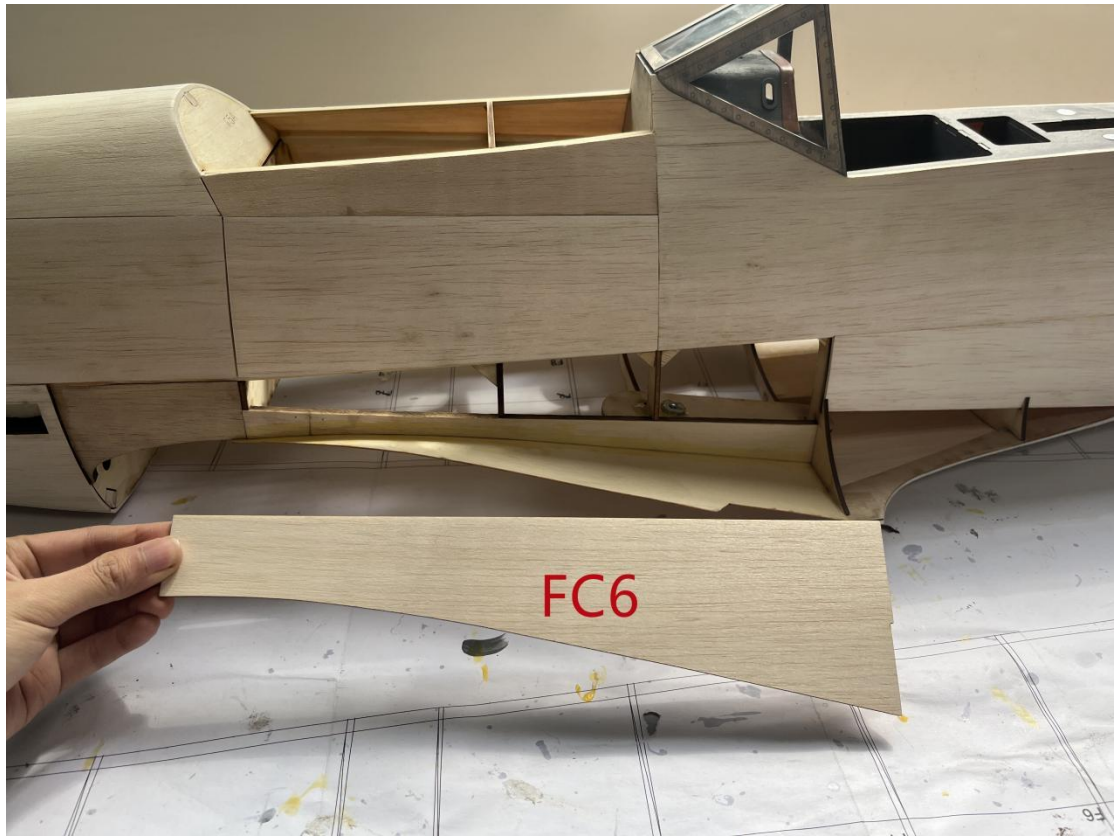
4.53



4.54



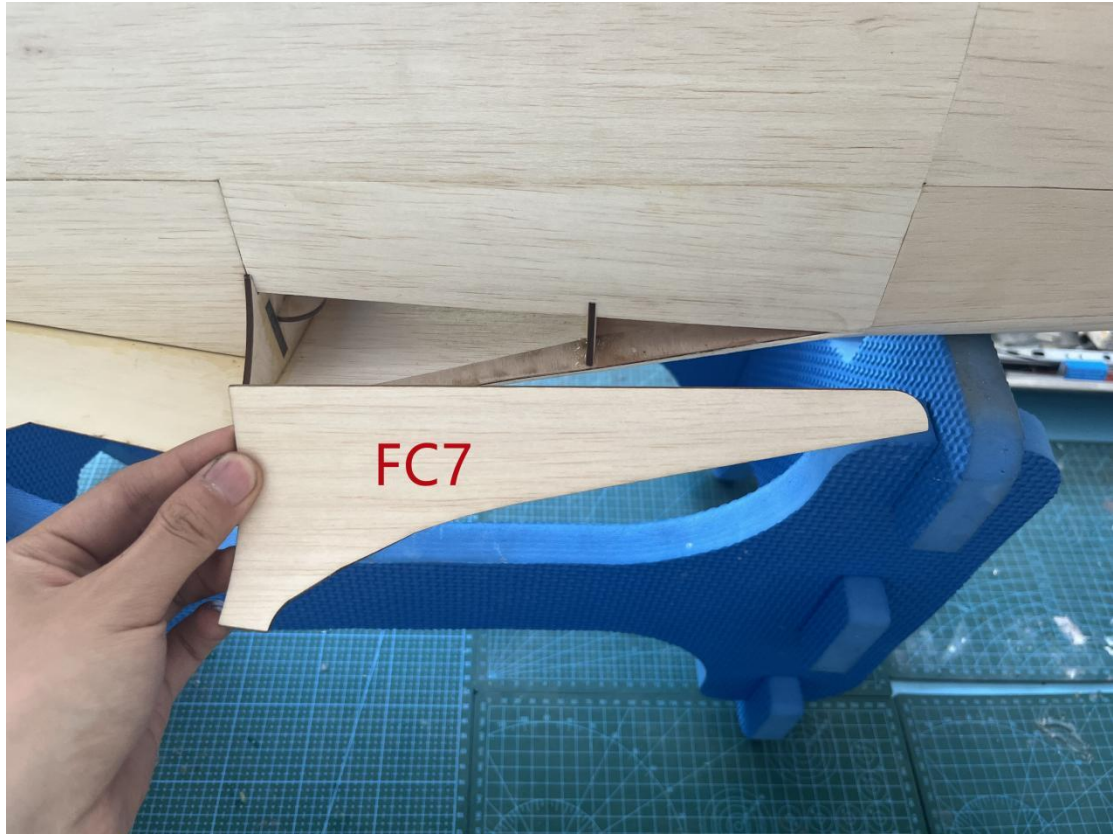
4.55



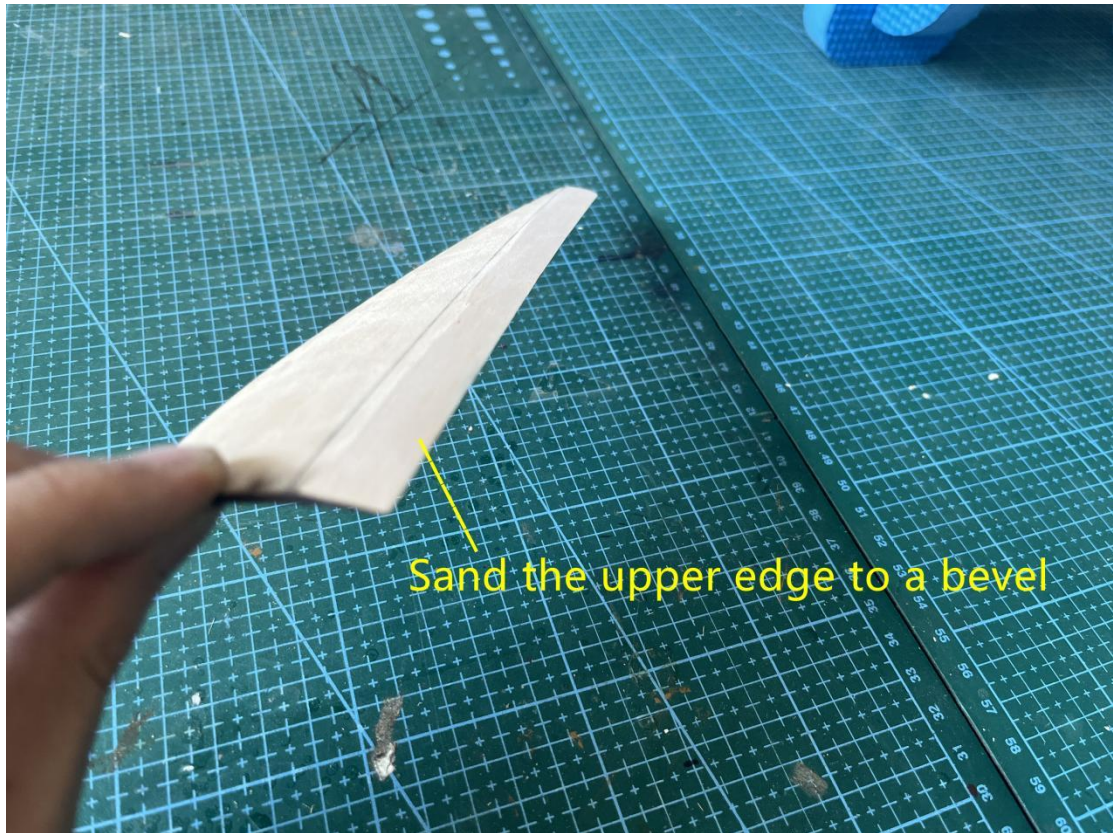
4.56



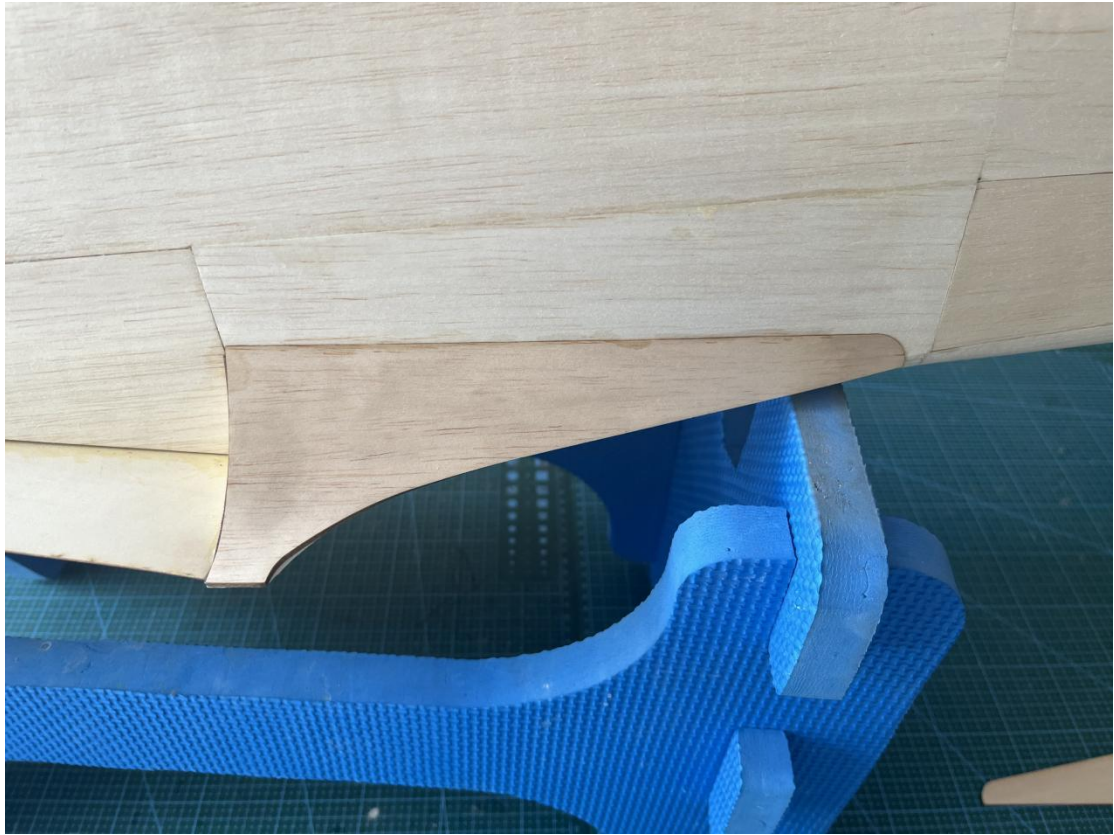
4.57



4.58



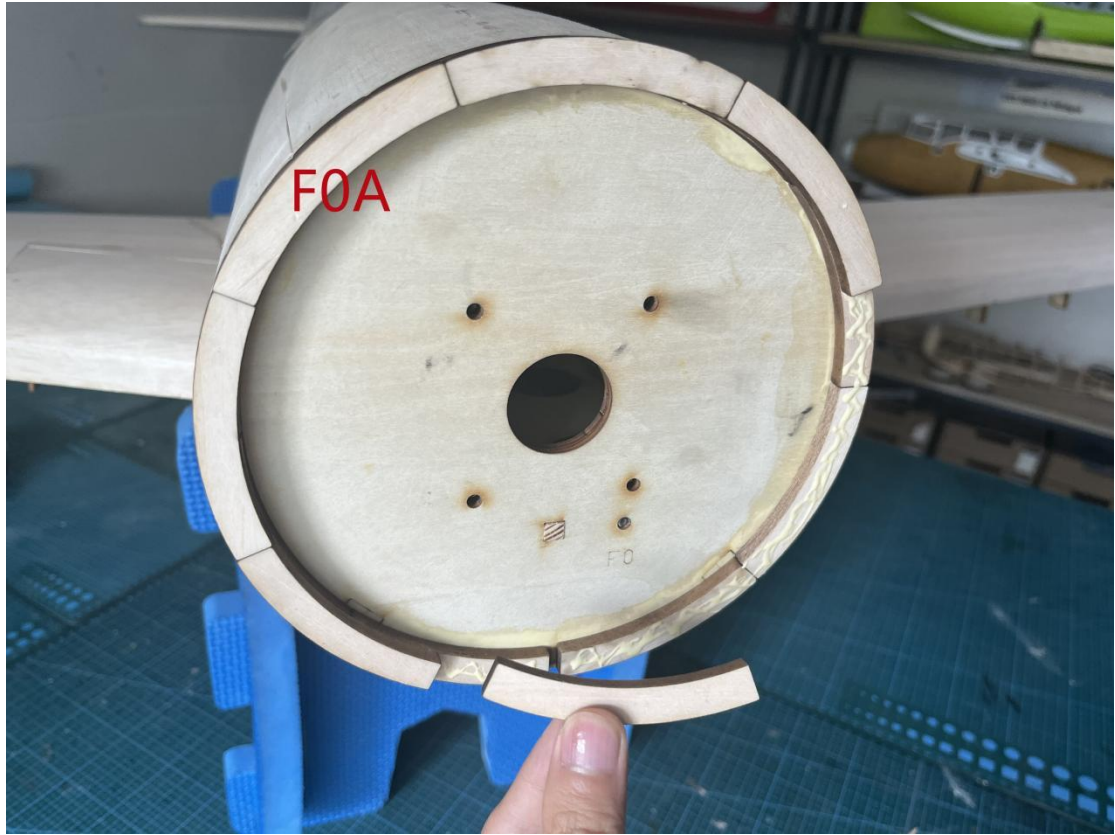
4.59



4.60



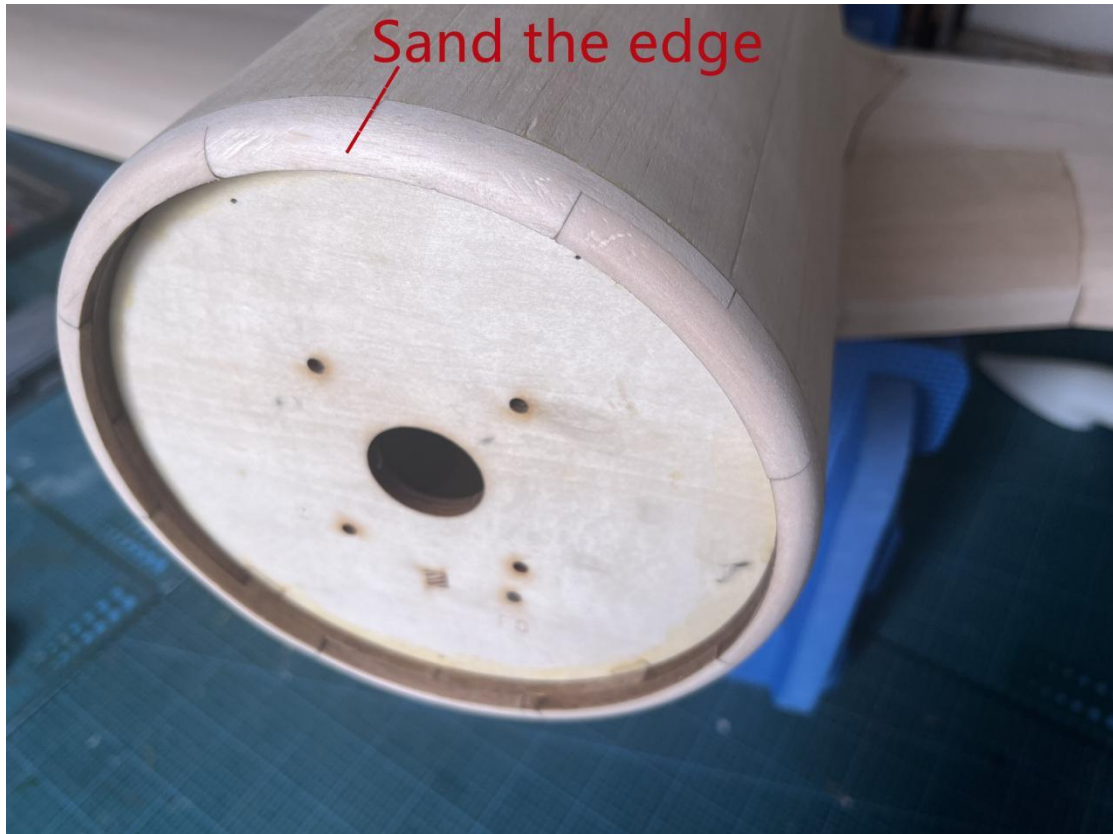
4.61



4.62



4.63



4.64



4.65



Builder's note:

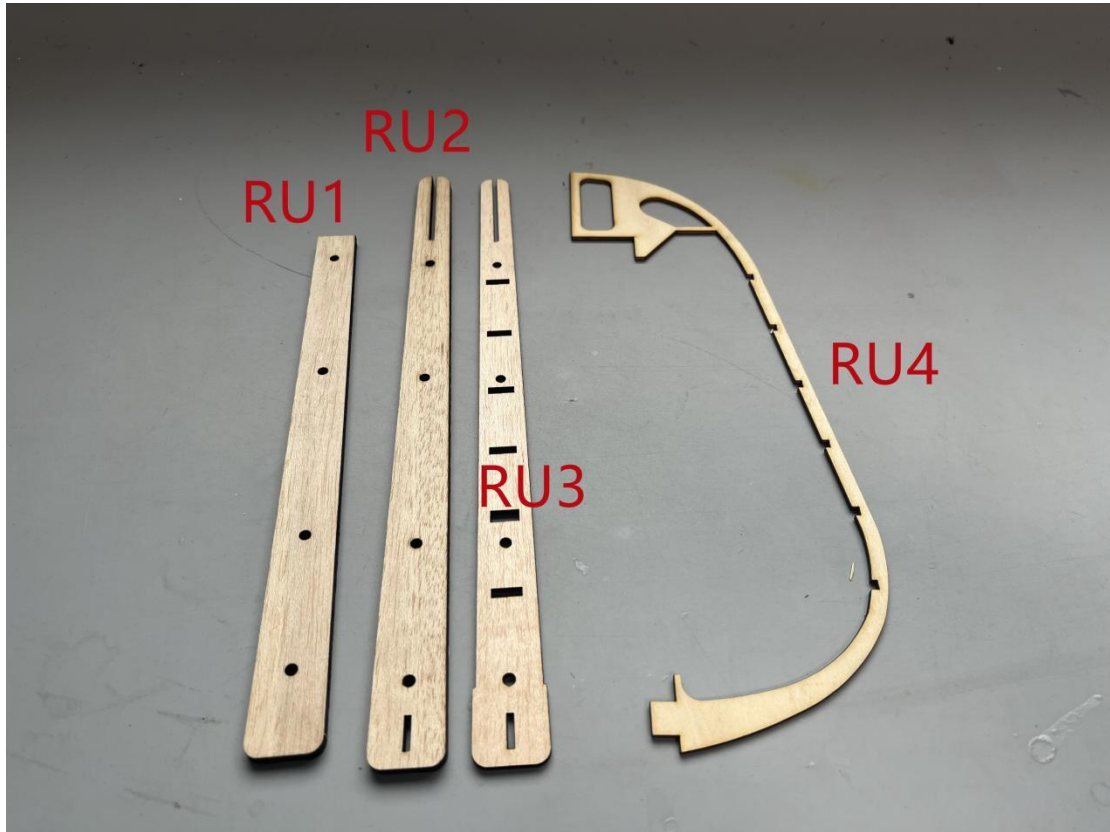
Part Location Lookup Form:

5. Vertical & Horizontal Tail

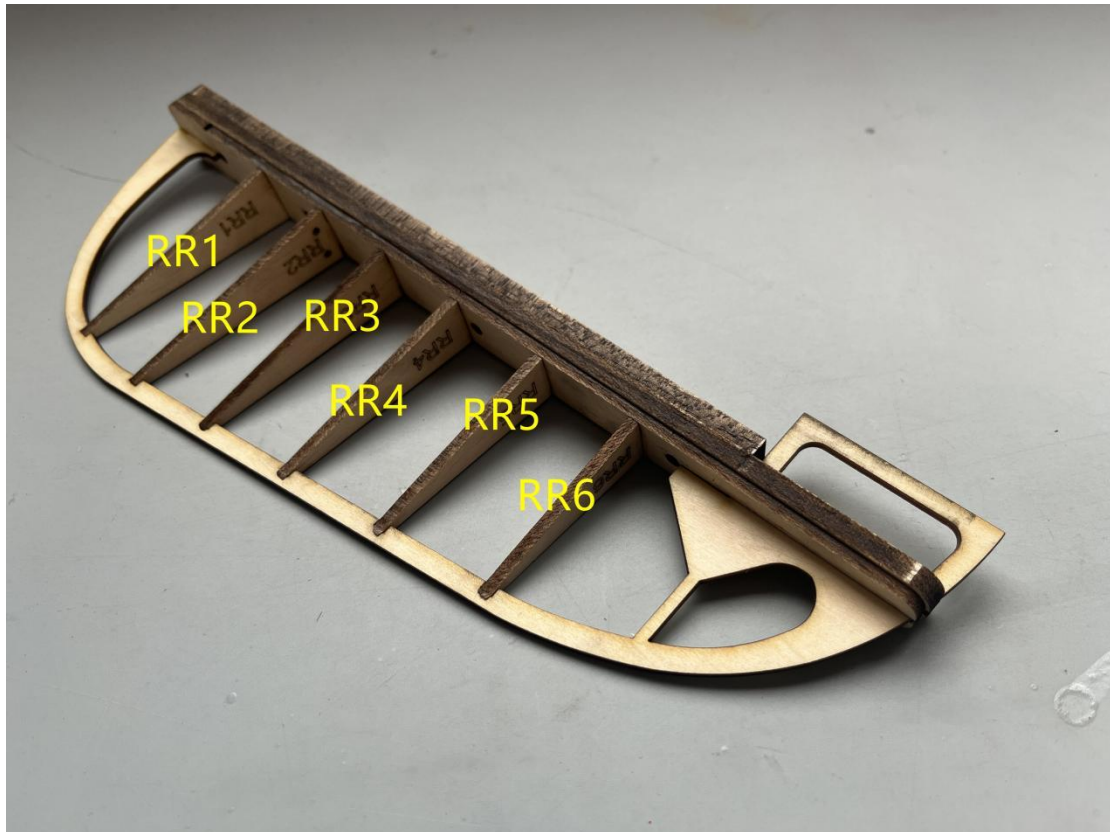
RU1	F1	ER7	F4
RU2	F1	E4	F4
RU3	H2	EC1	G1,G2,G4,G5
RU4	A1	EC2	G1,G2,G4,G5
RR1	H2	E5	H1
RR2	H2	E6	F8
RR3	H2	E7	H1
RR4	H2	E11	H1
RR5	H2	E8	F4
RR6	H2	E10	F2
RR7	H2	EC3	E13,E14
RU5	F1		
RU6	H2,F1		
RU7	F1		
RU8	E15		
E1	H1		
E2	H1		
E3	F3		
ER1	H2		
ER2	H2		
ER3	H2		
ER4	H2		
ER5	H2		
ER6	H2		

Instruction: 5. Vertical&Horizontal Tail

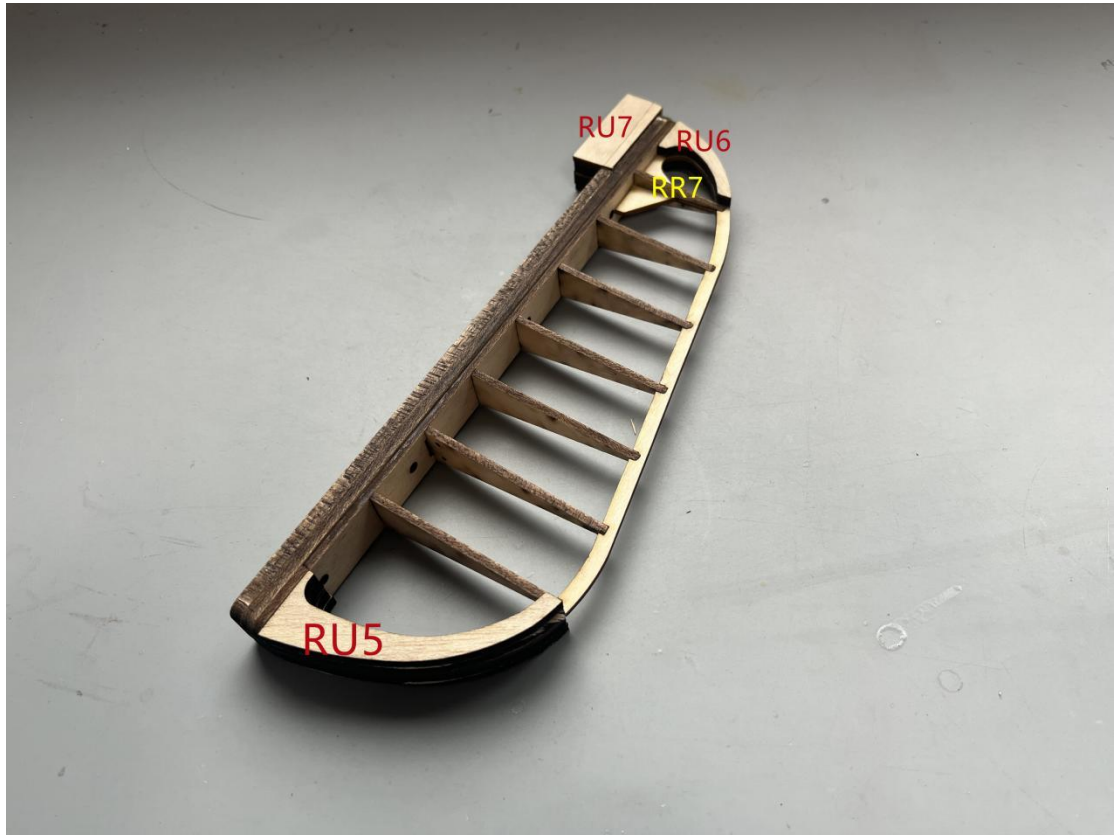
5.1



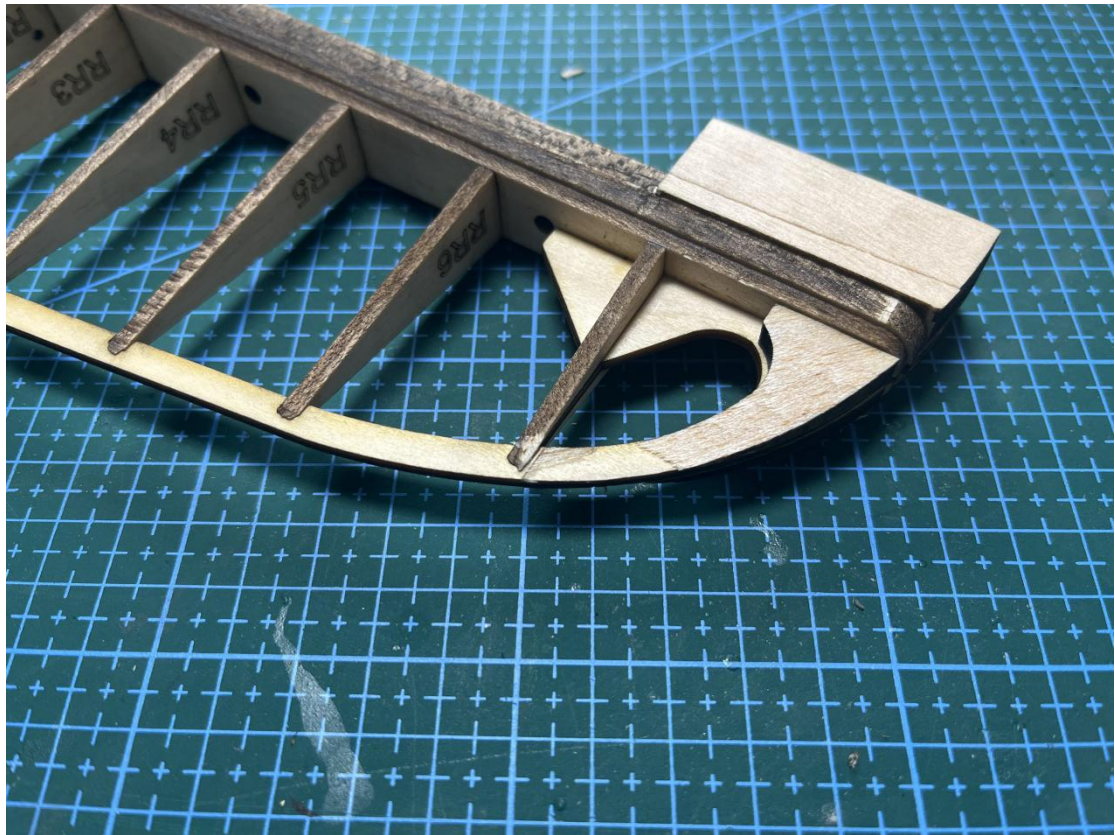
5.2



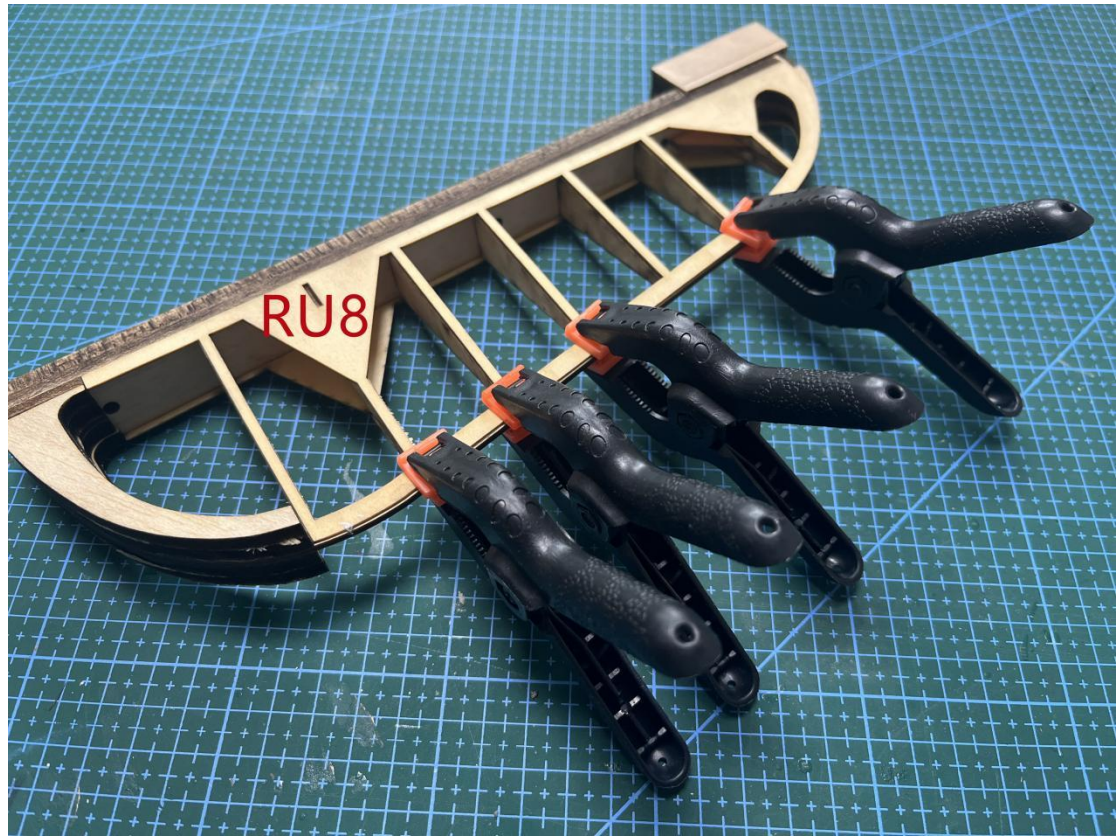
5.3



5.4



5.5



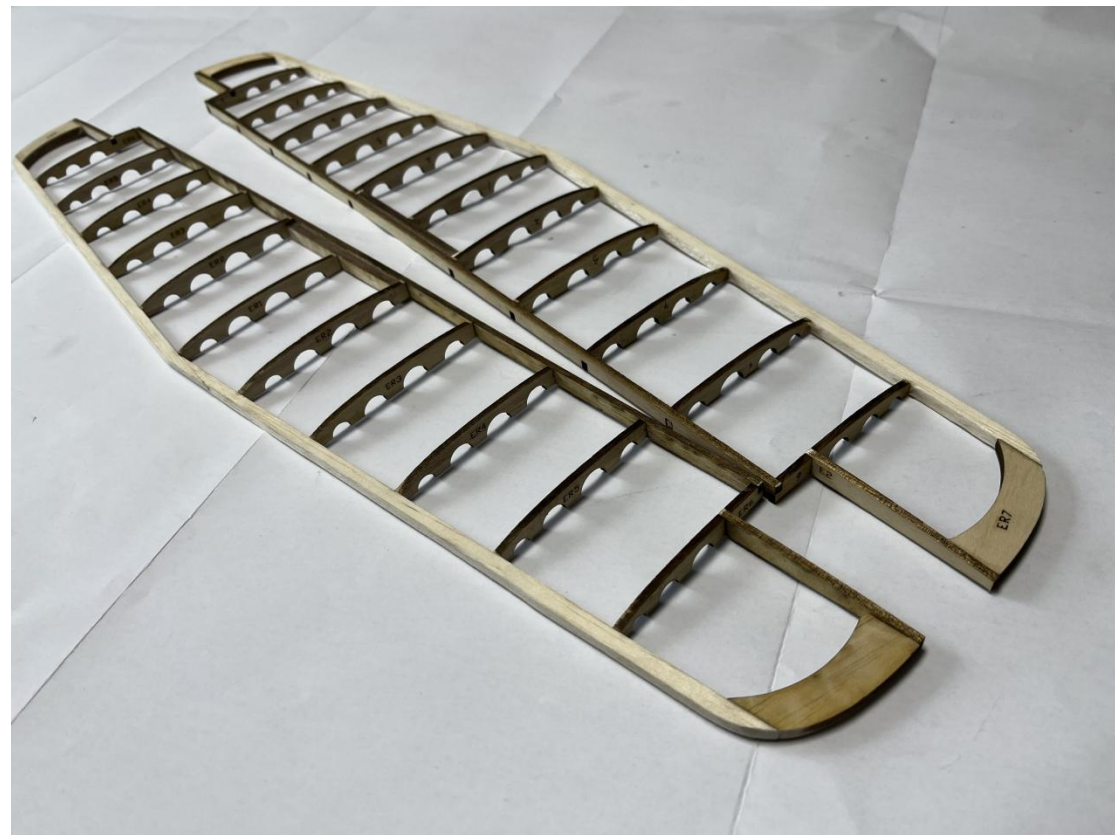
5.6



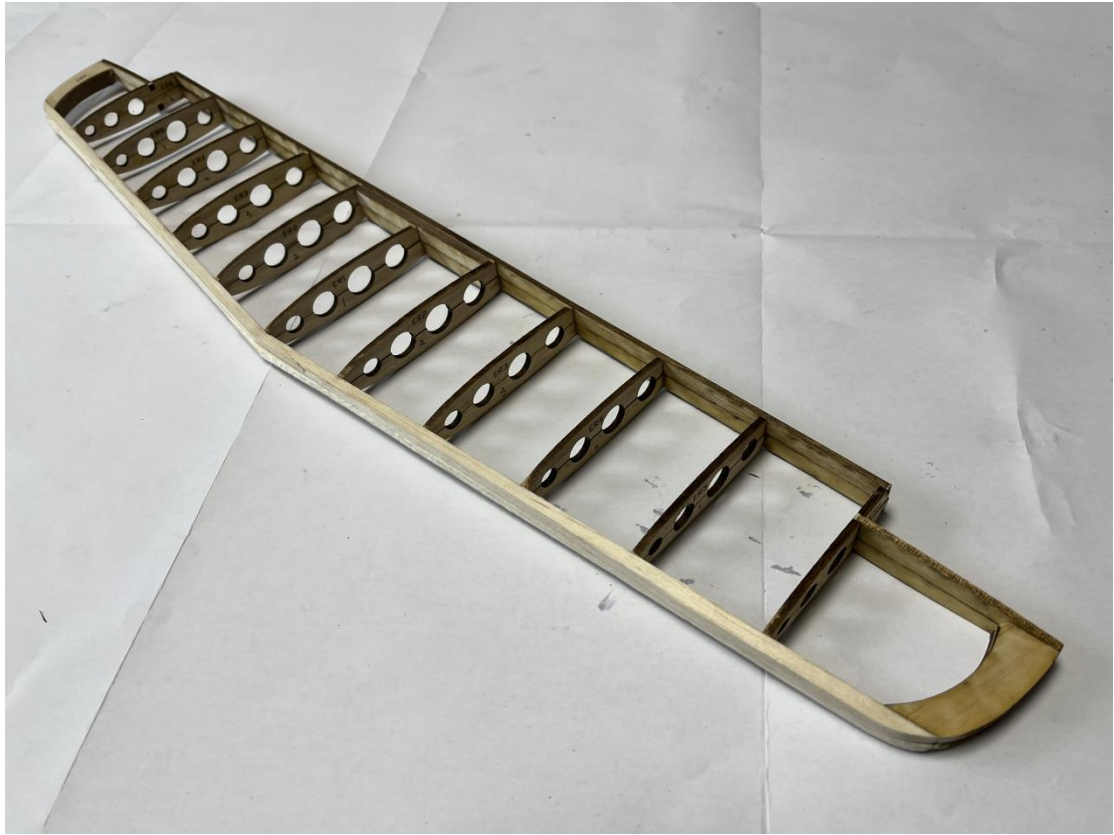
5.7



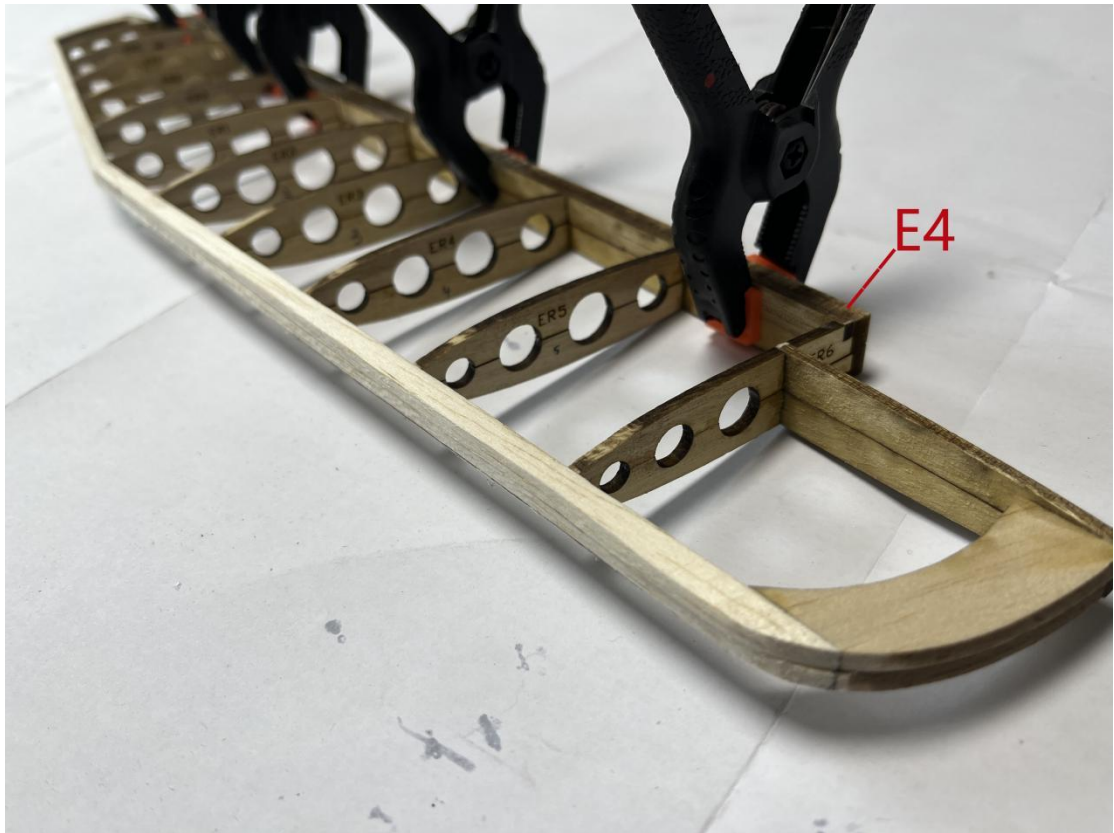
5.8



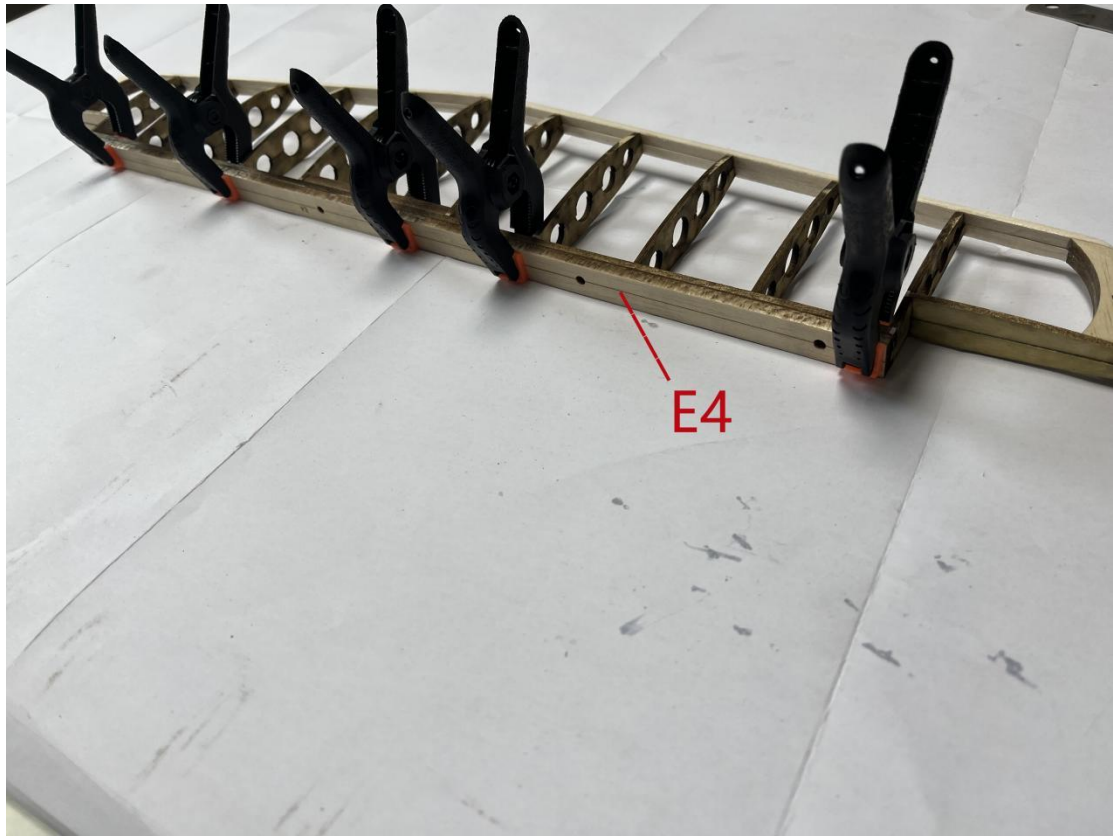
5.9



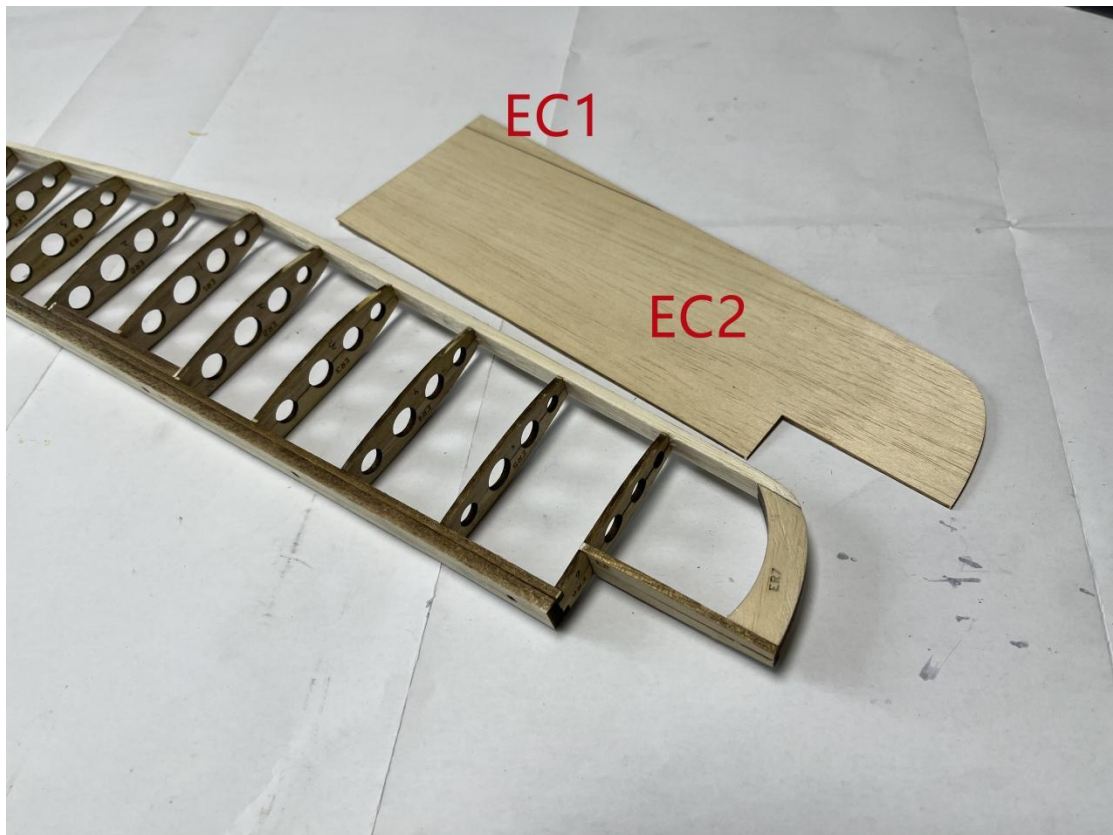
5.10



5.11



5.12



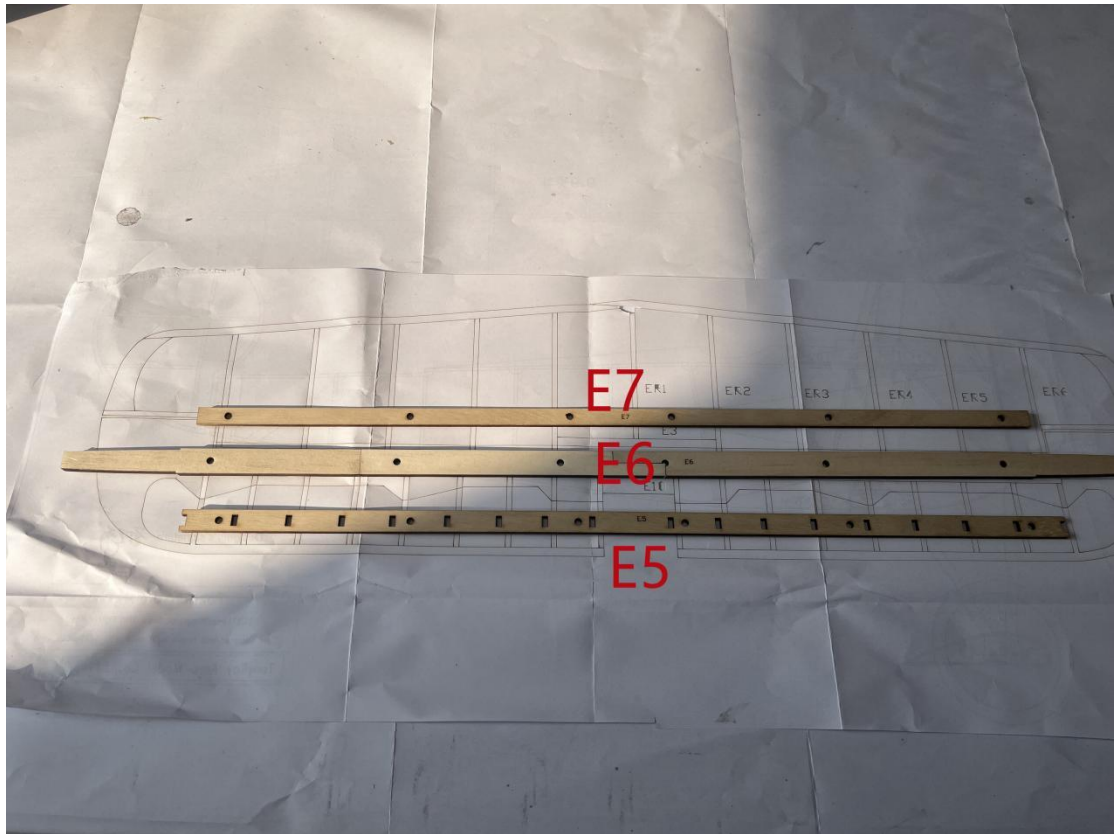
5.13



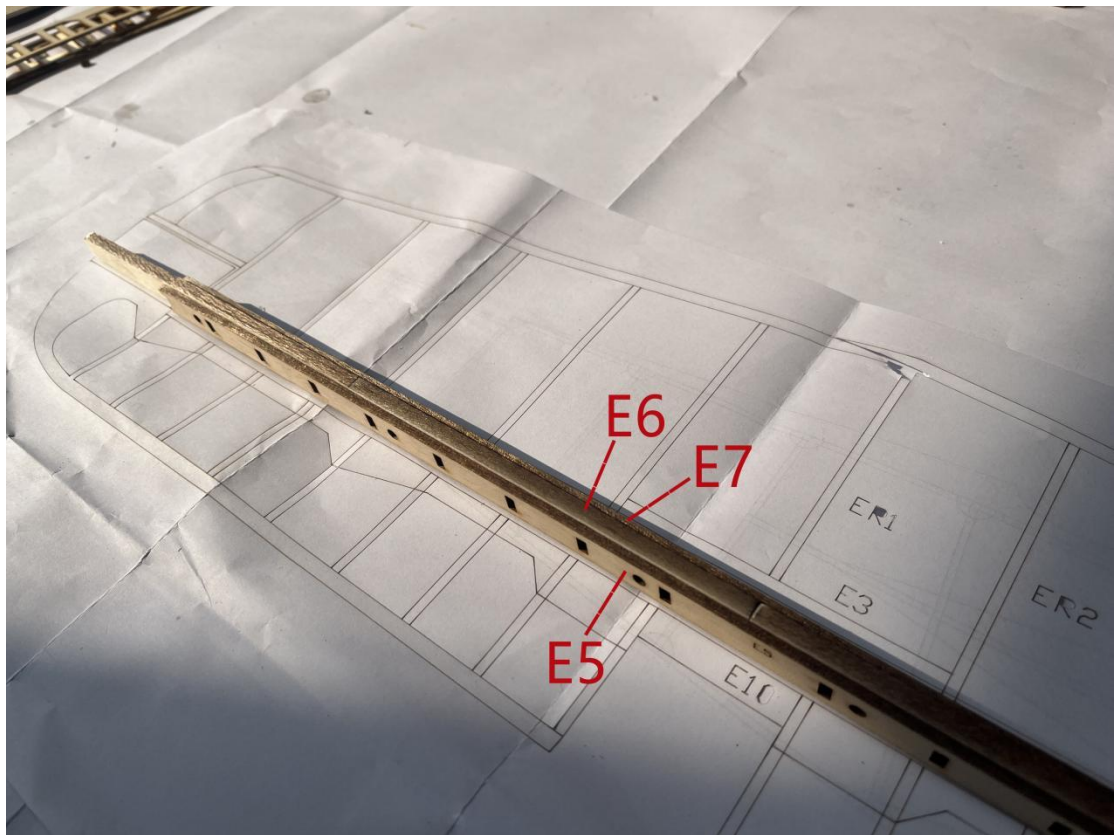
5.14



5.15



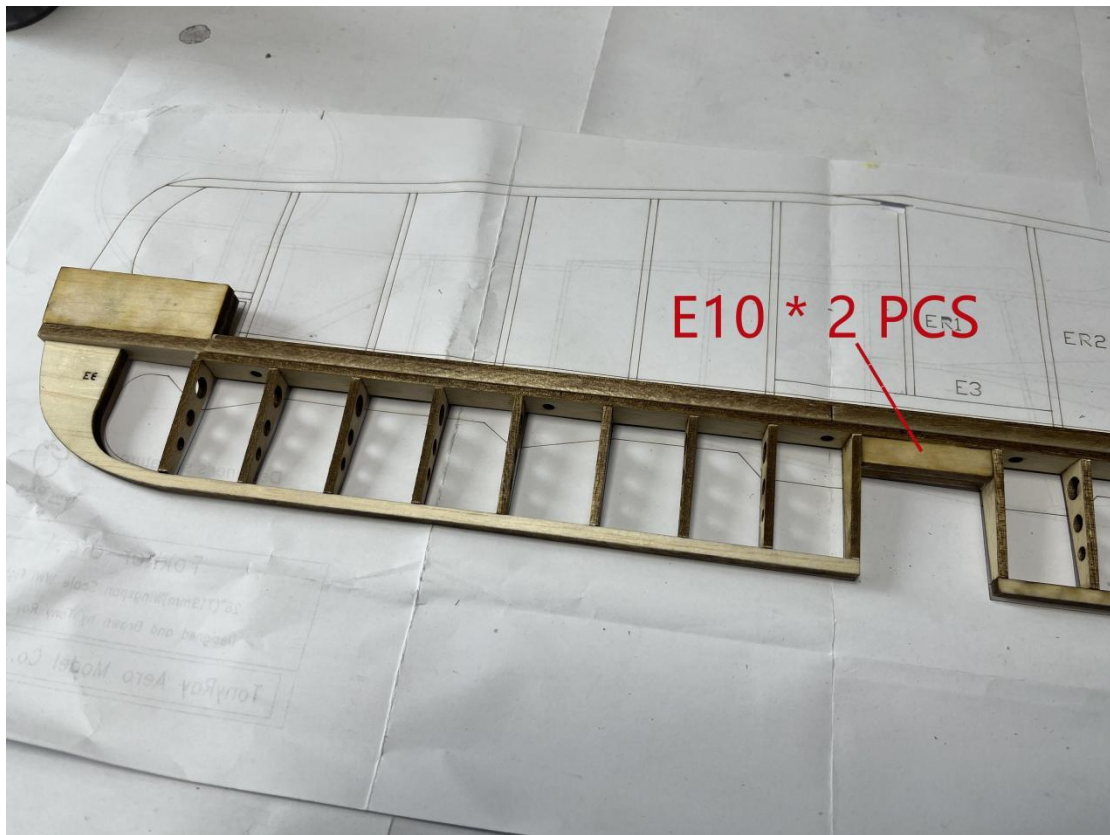
5.16



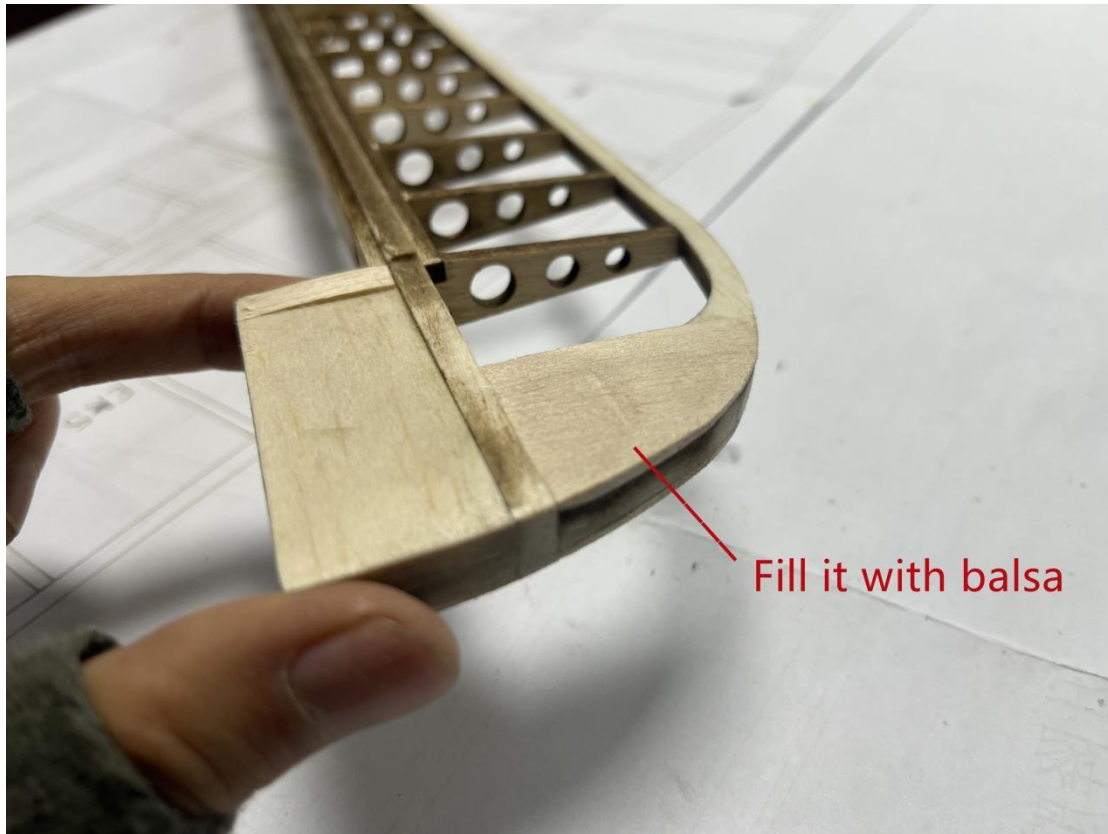
5.17



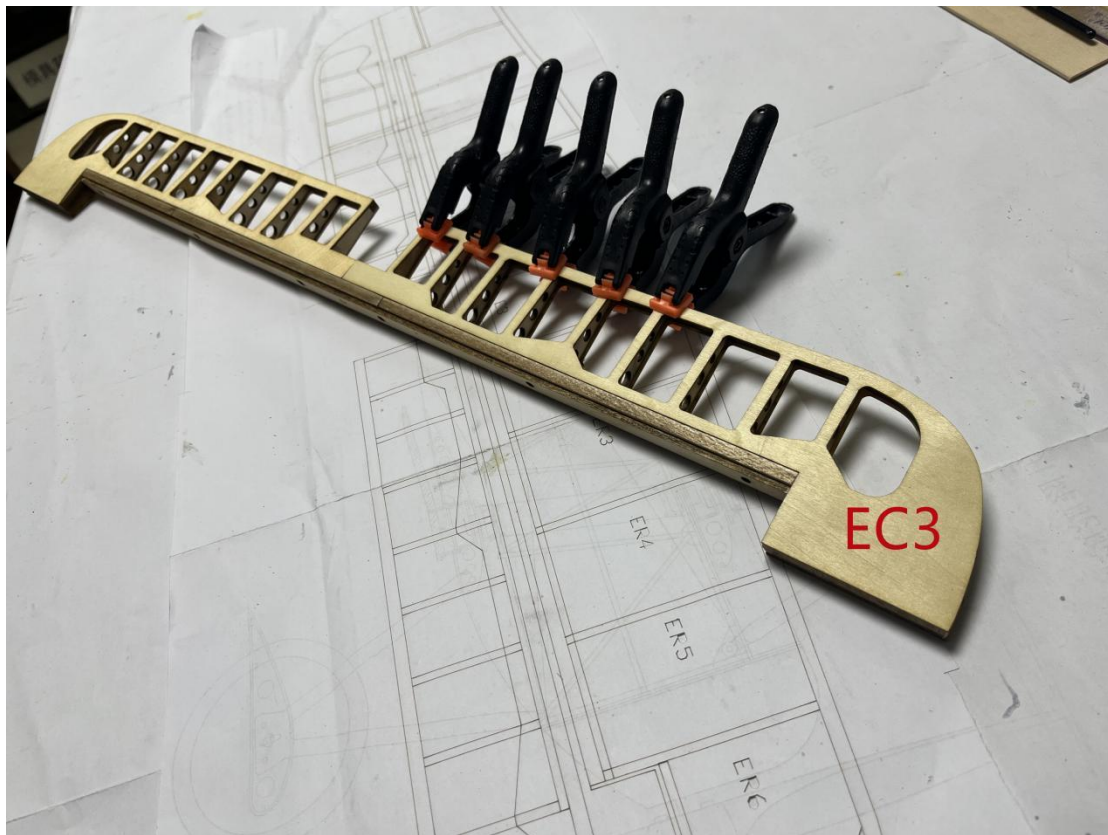
5.18



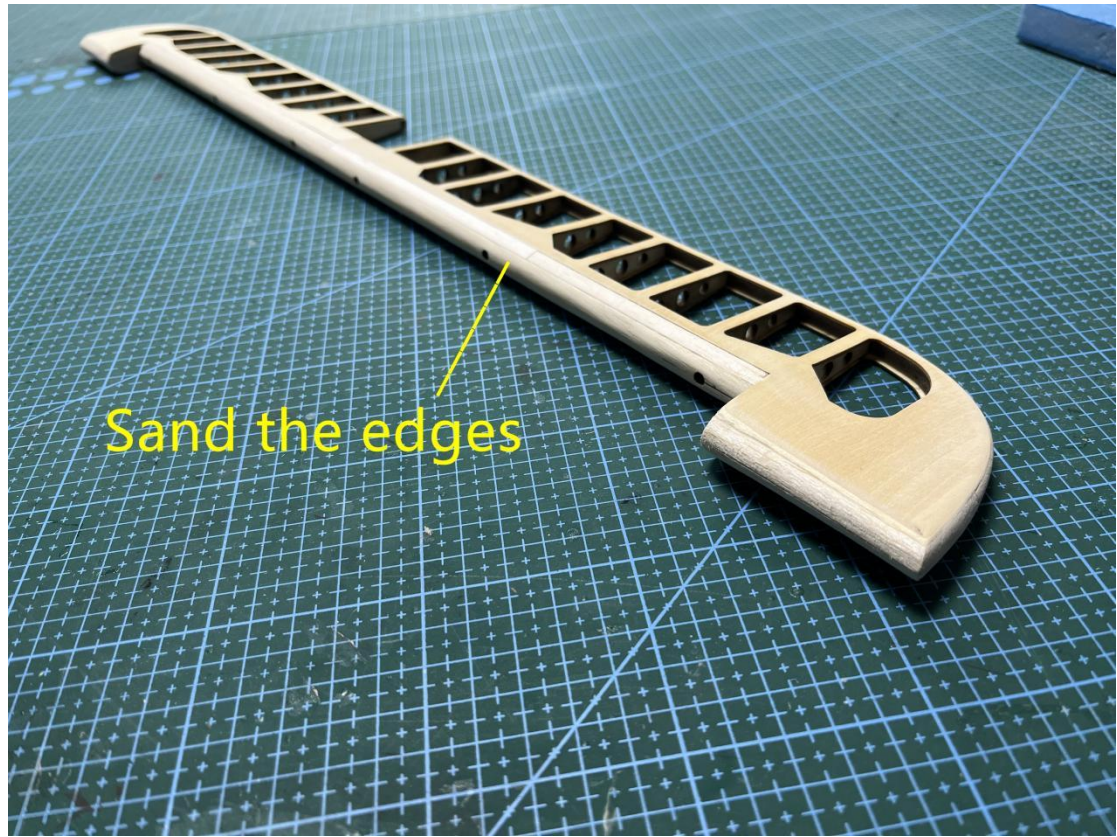
5.19



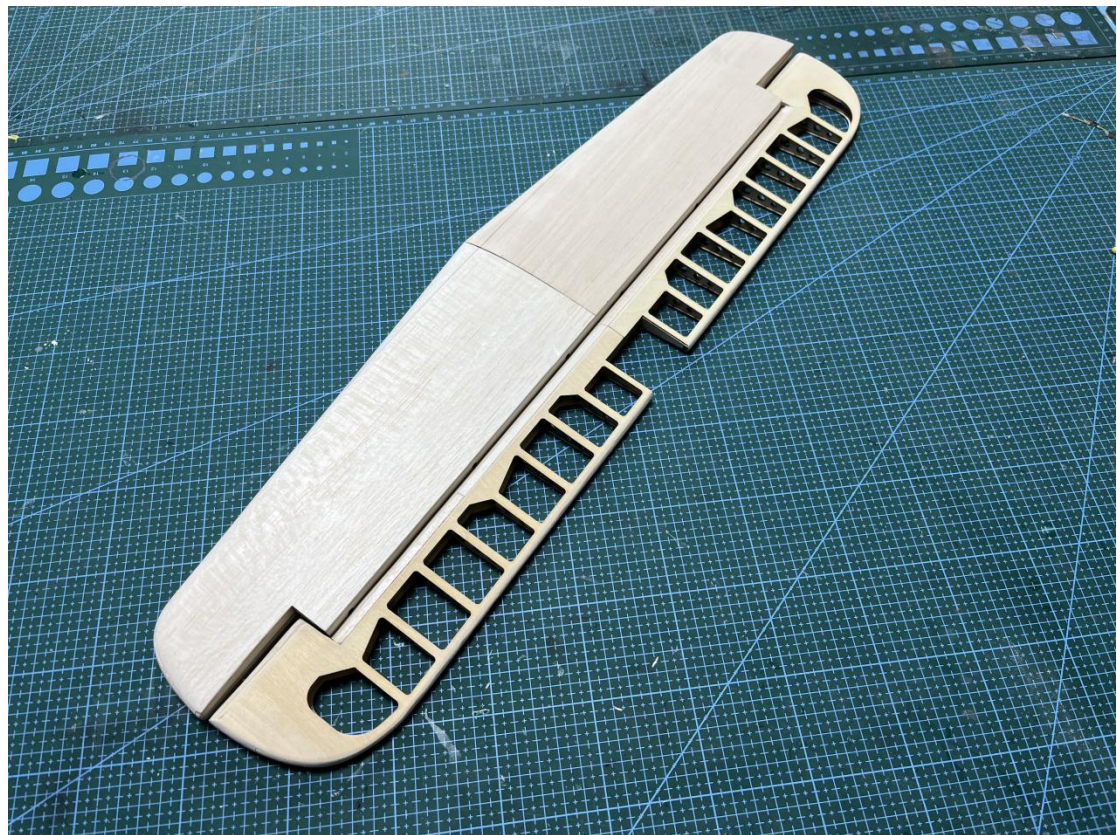
5.20



5.21



5.22



Part Location Lookup Form:

6. Tail Module

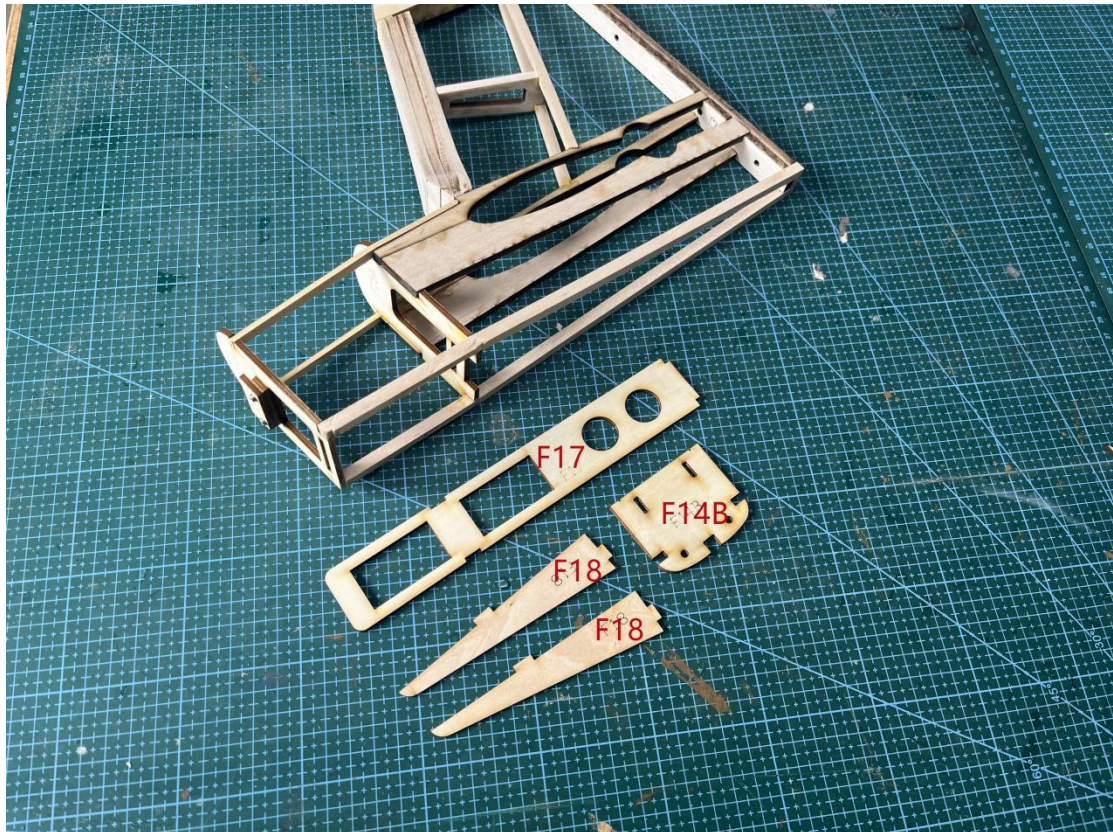
F17	B2		
F18	A2		
F14B	A9		
F15B	B2		
F16	B2		
F14C	B1		
F16B	B2		
TC1	C4,C5		
TC1A	A2		
TC2	A2		
TC3	C1		
TC4	C6		
TC5	C6		
TC7	C8		
TC8	C7		
TC8B	A2		
TC6	C6		
TC9	F4		
TC12	F6		
TC12A	C7		

Instruction: 6. Tail Module

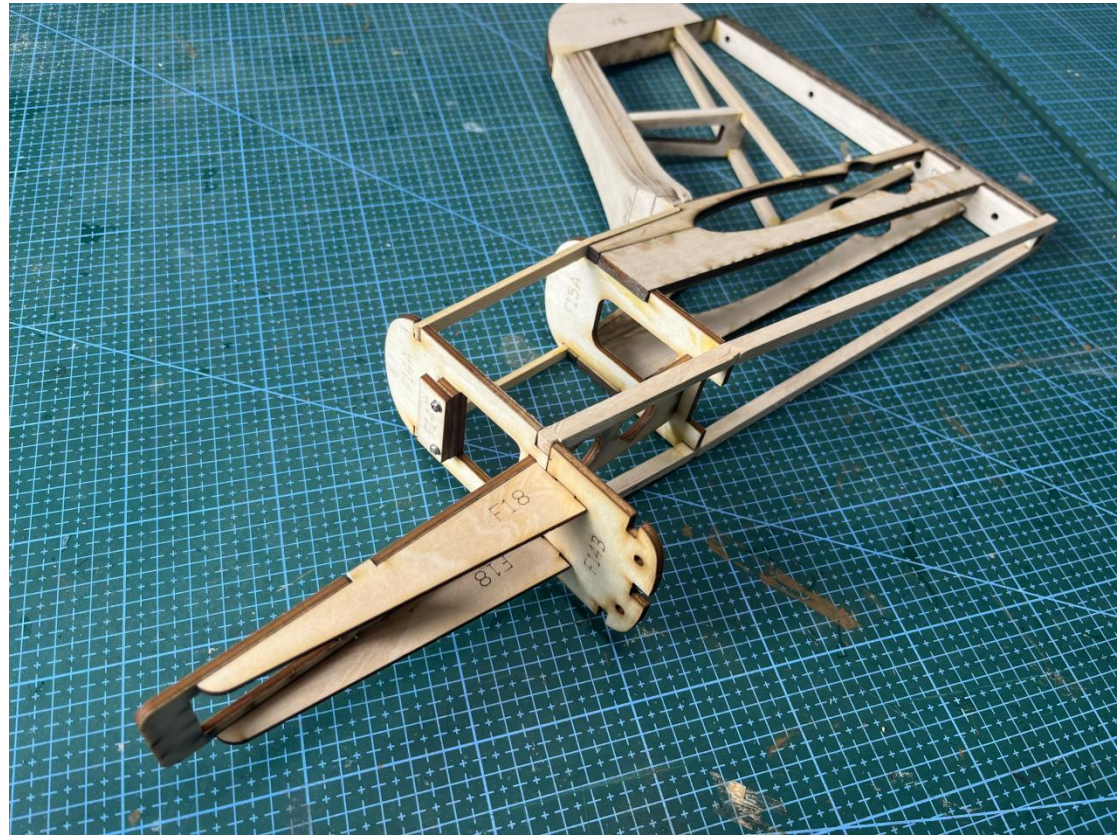
6.1



6.2



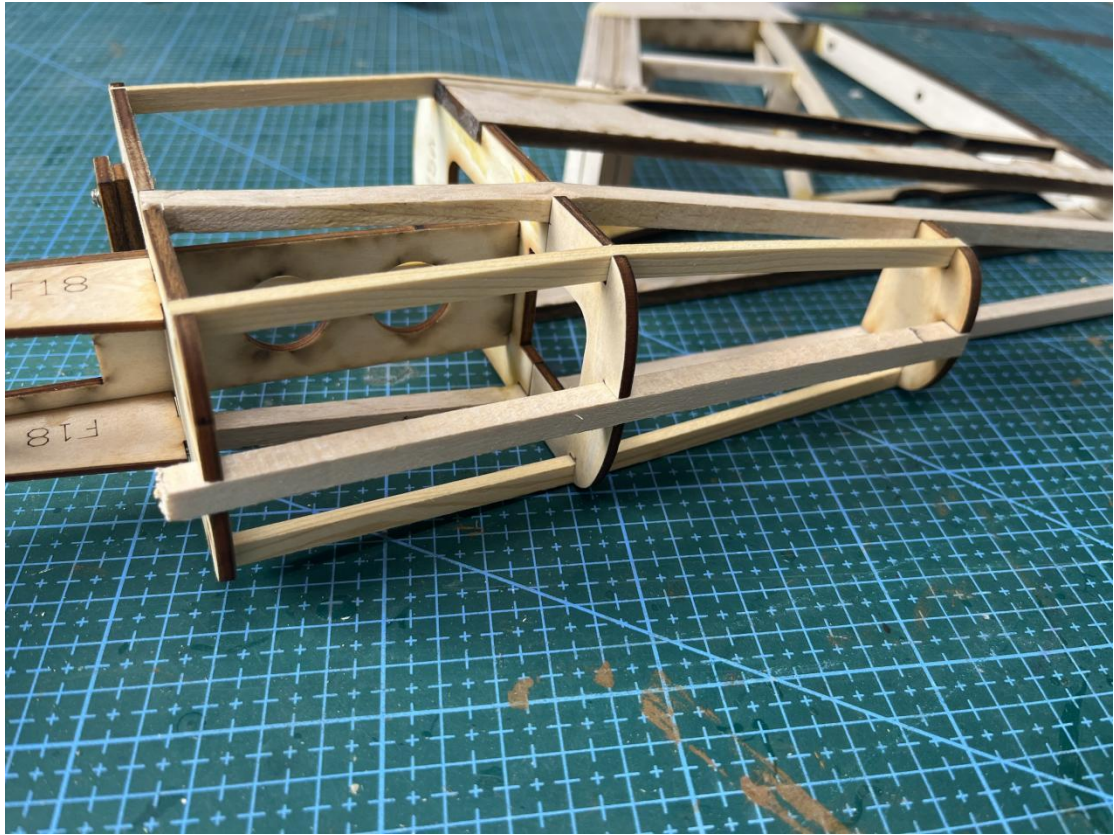
6.3



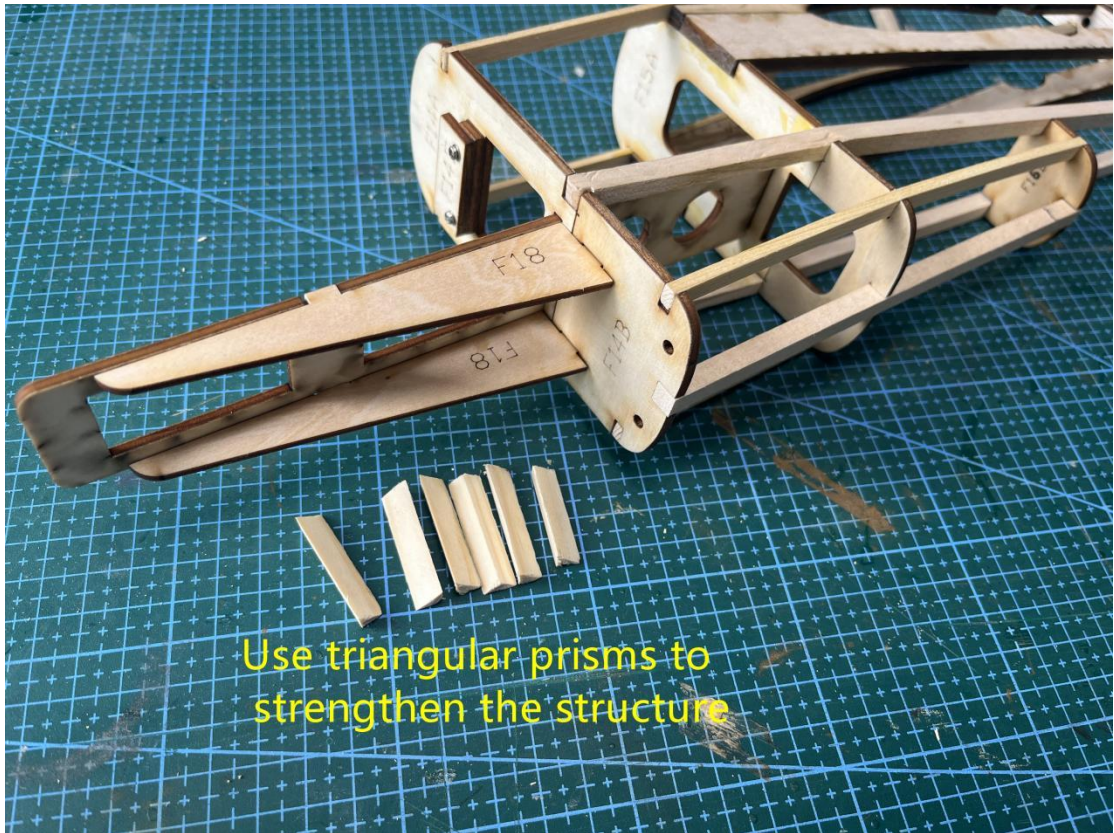
6.4



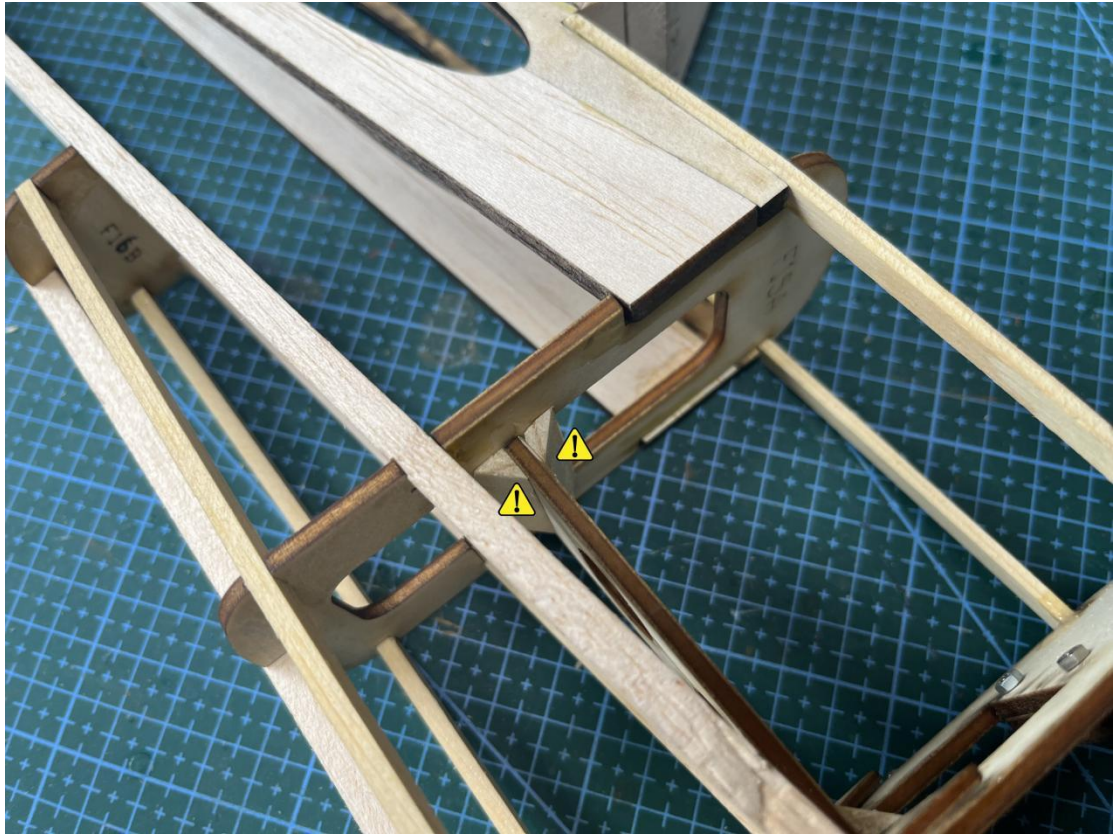
6.5



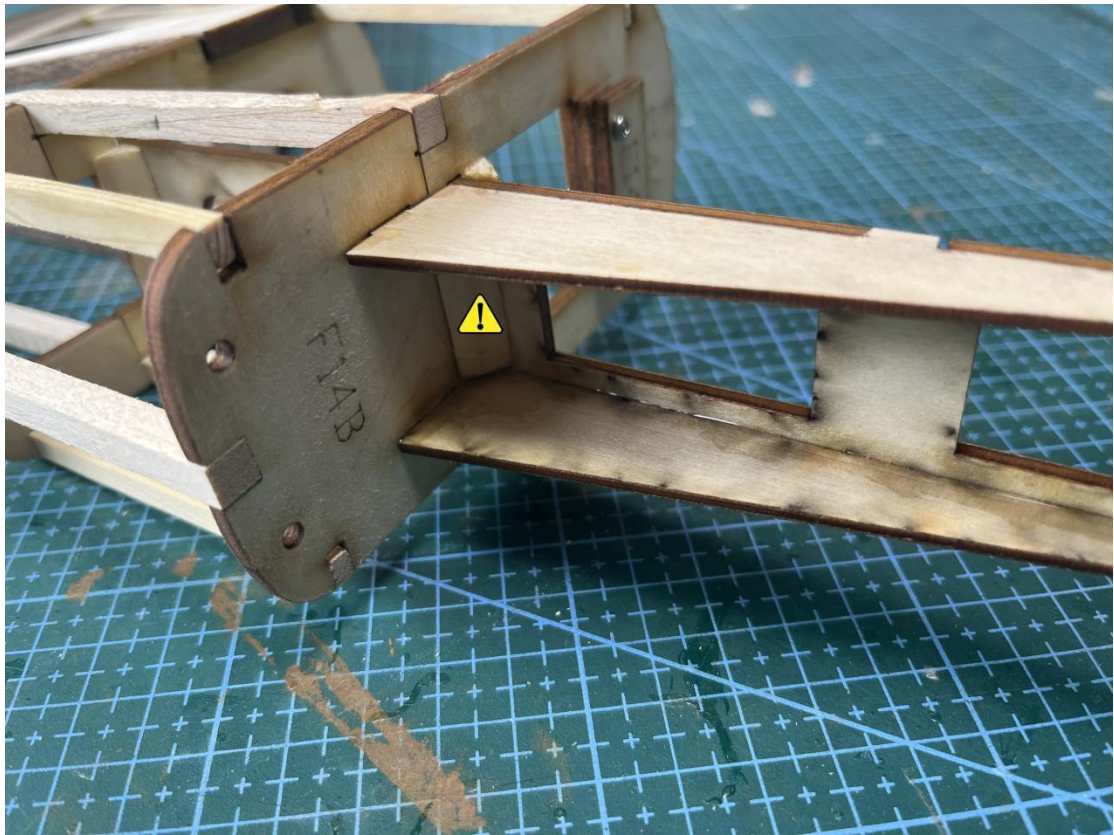
6.6



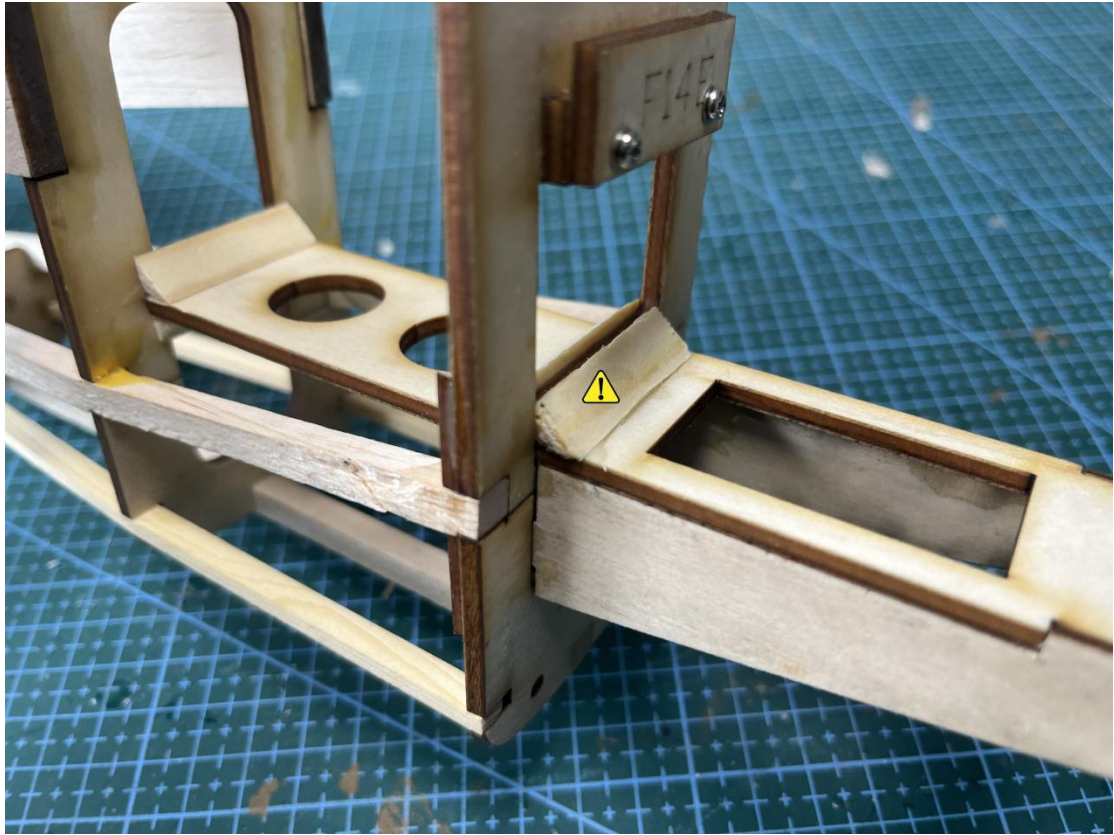
6.7



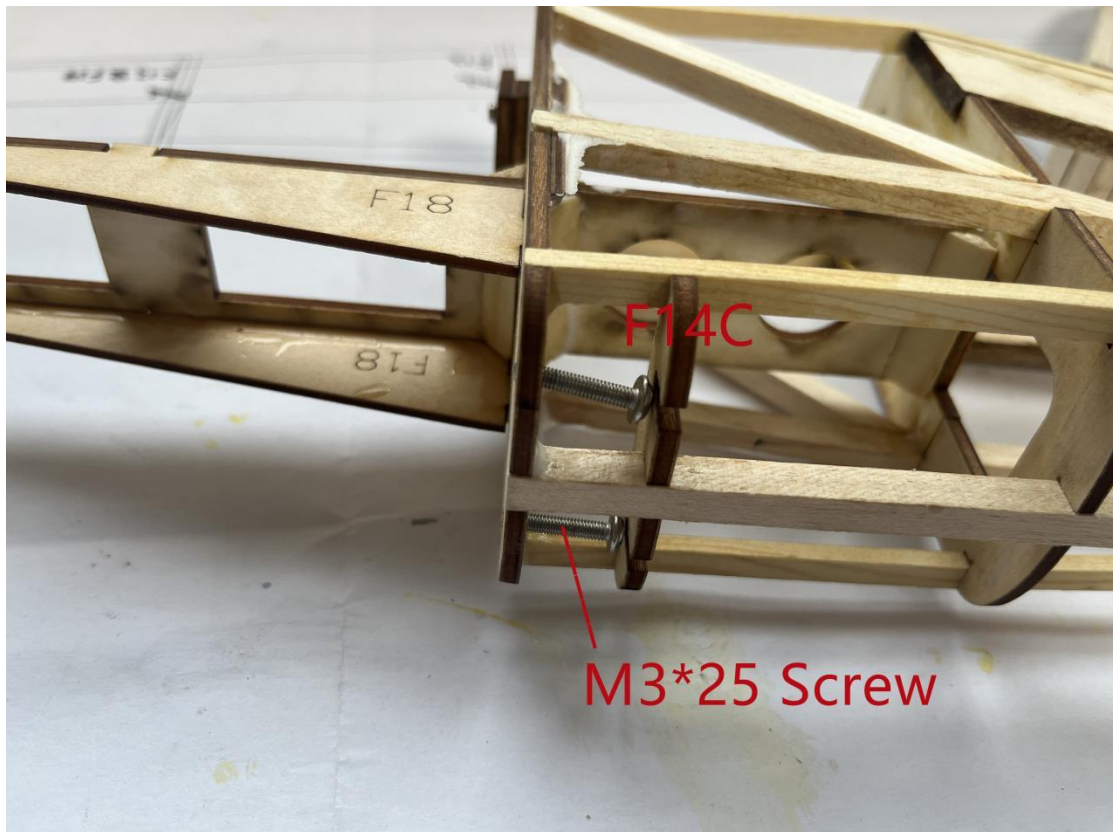
6.8



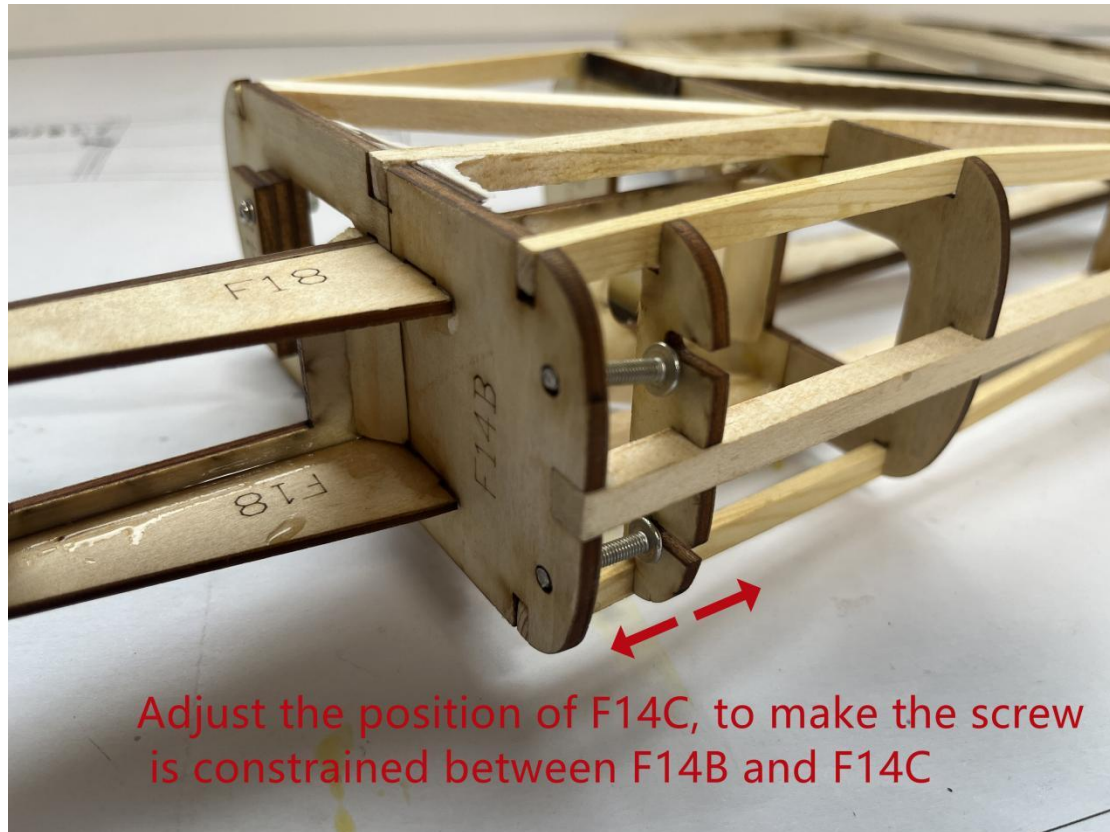
6.9



6.10



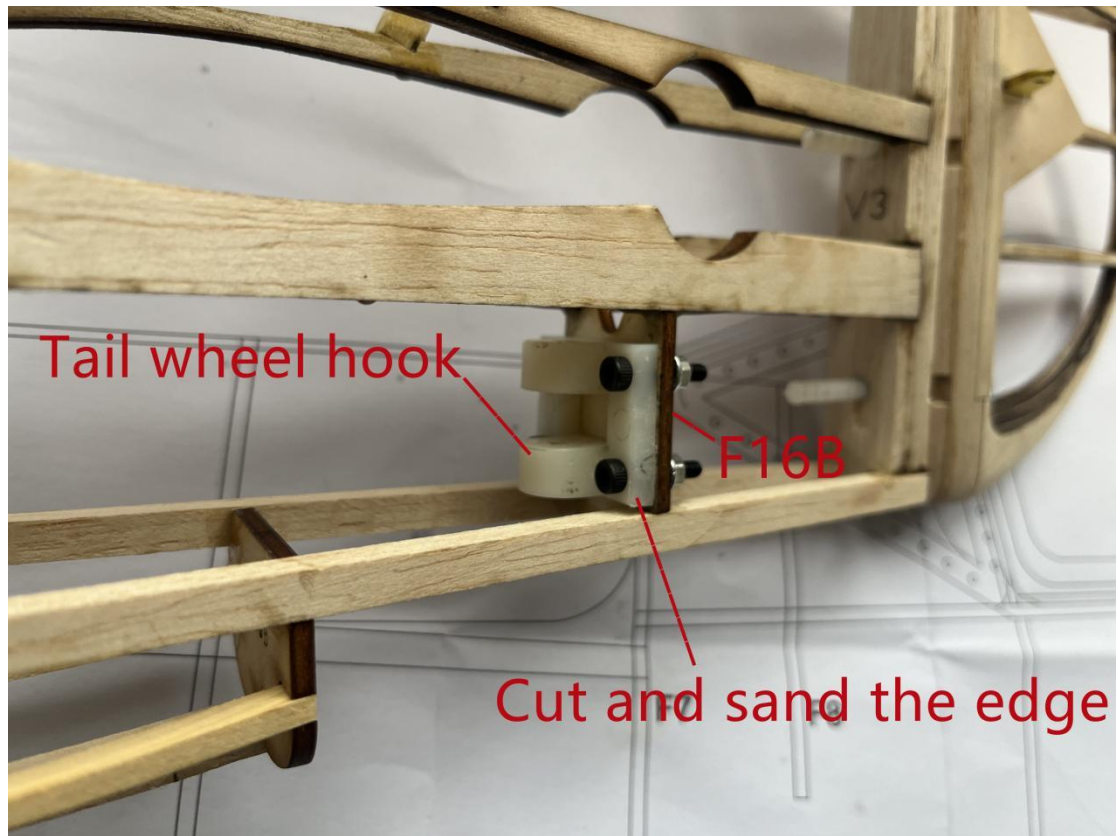
6.11



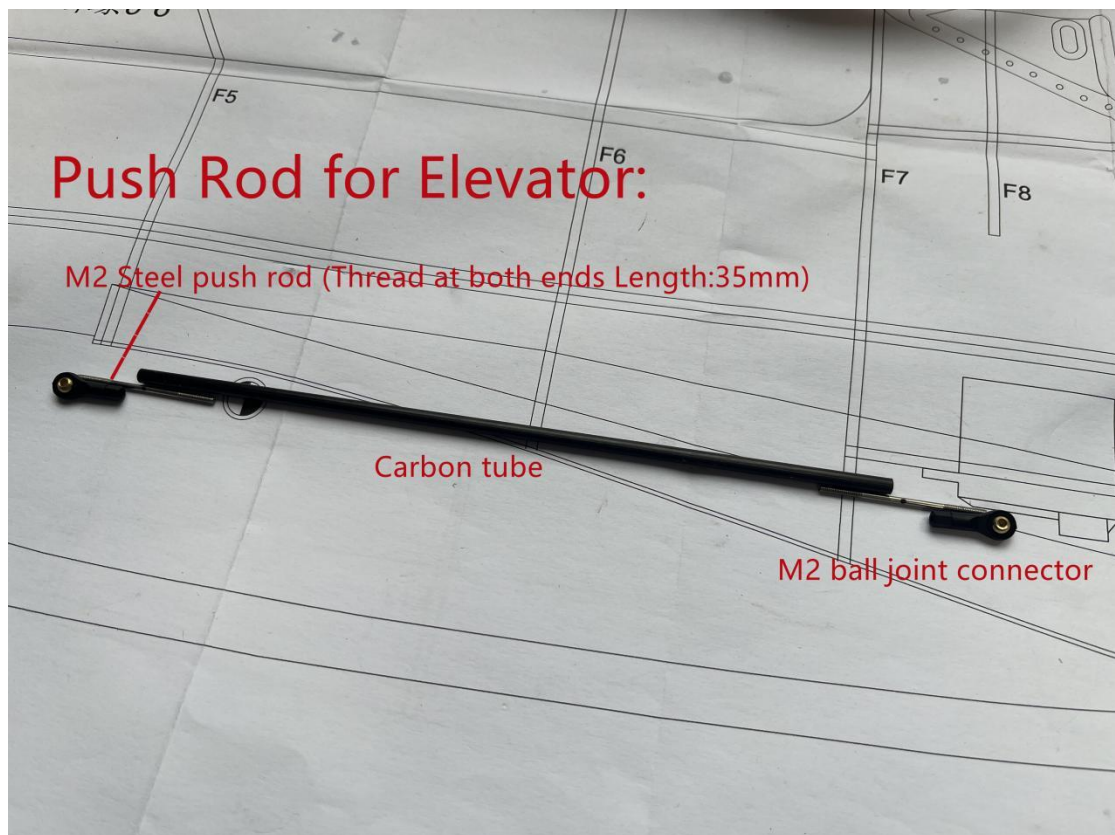
6.12



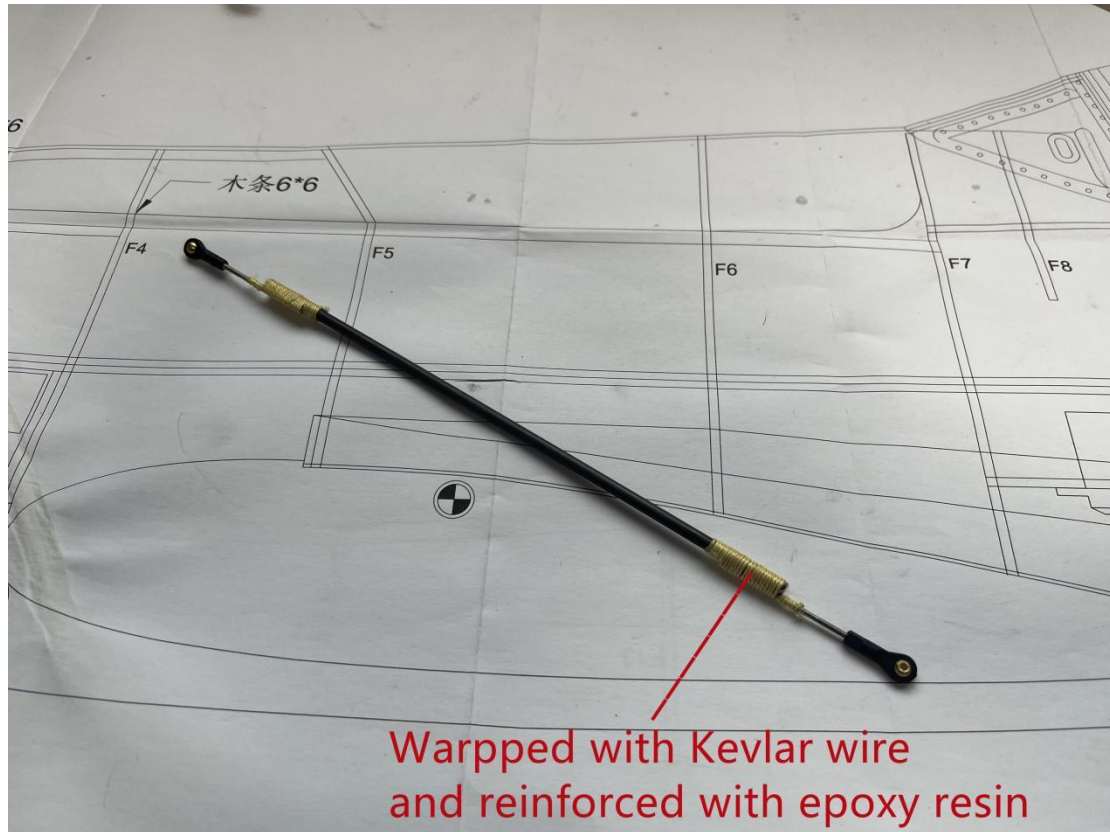
6.13



6.14



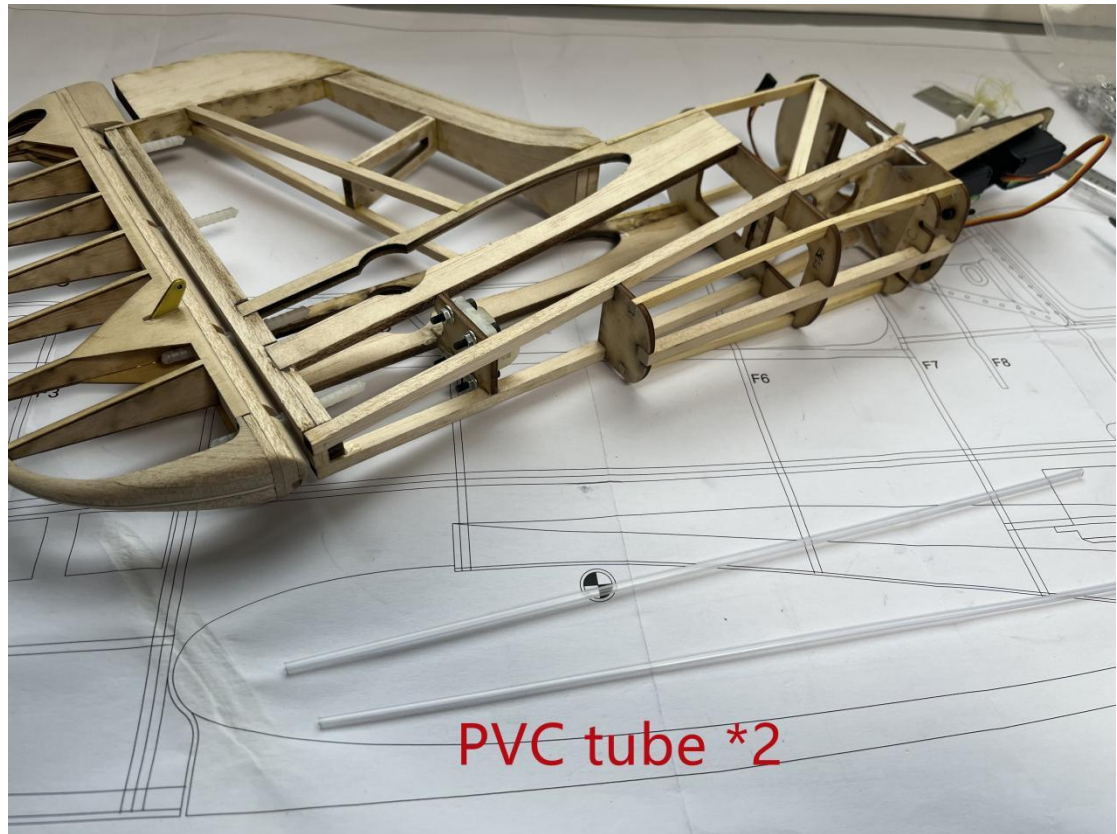
6.15



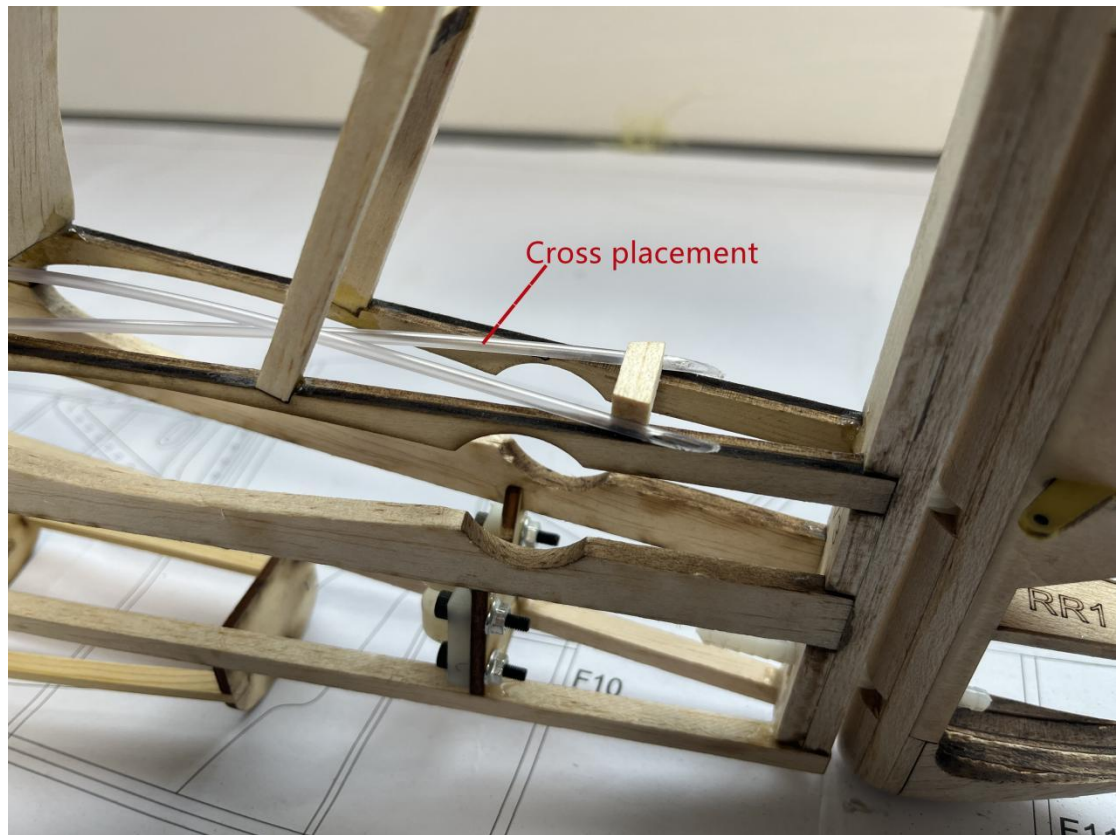
6.16



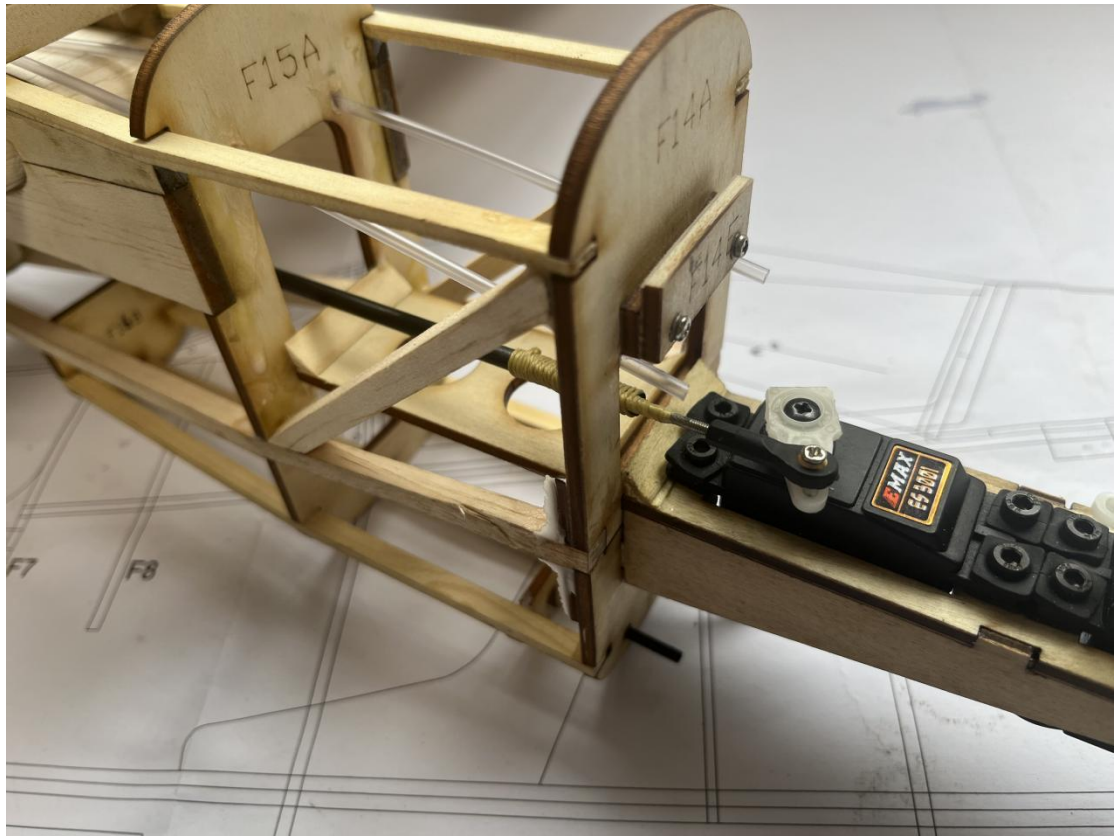
6.17



6.18



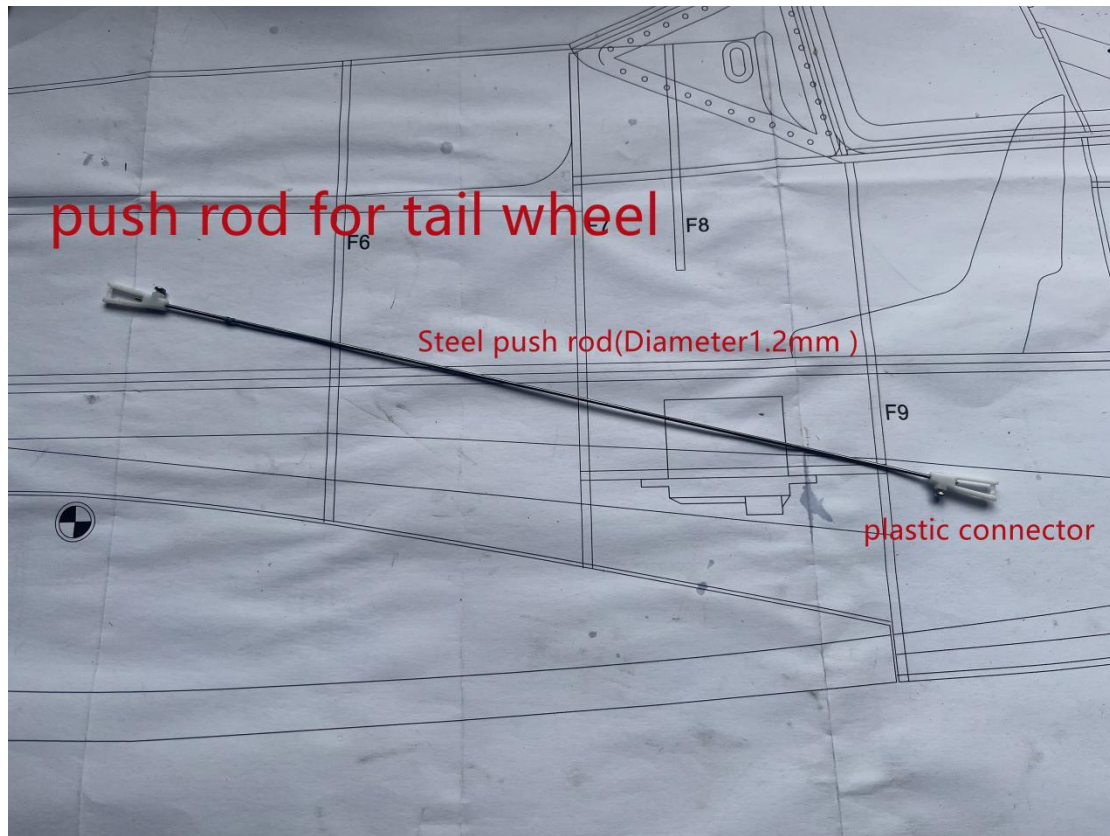
6.19



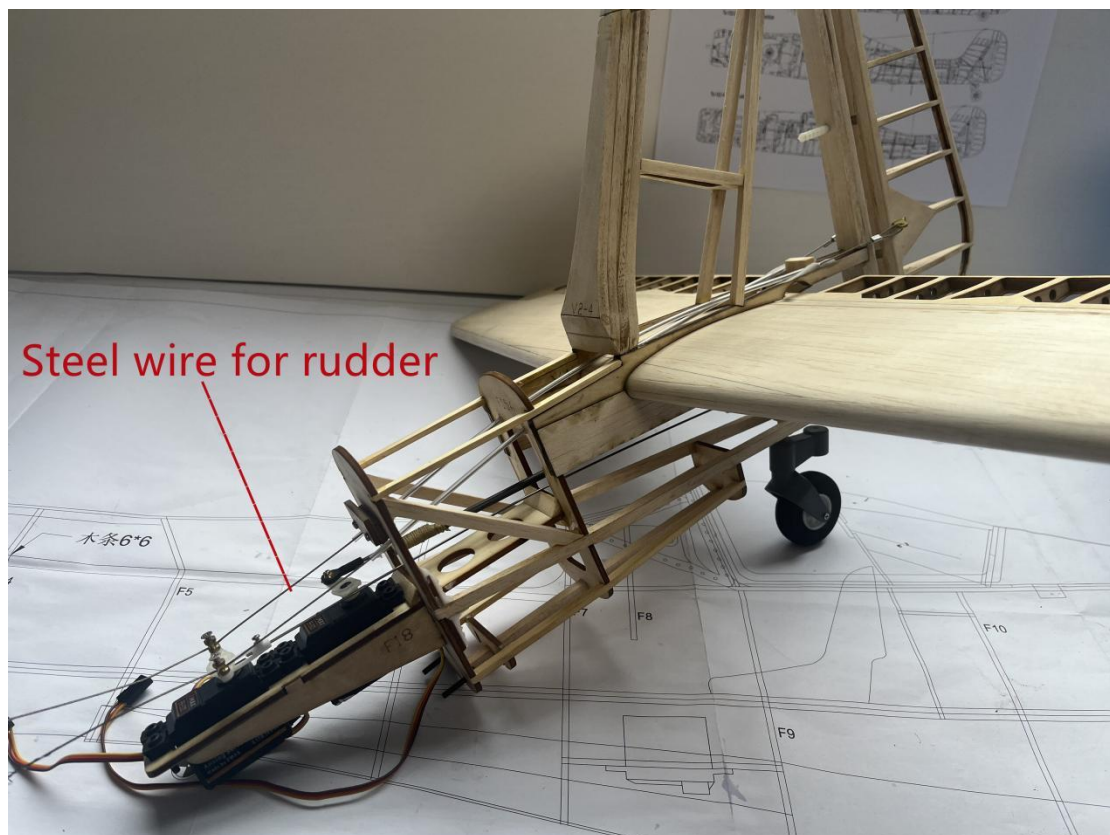
6.20



6.21



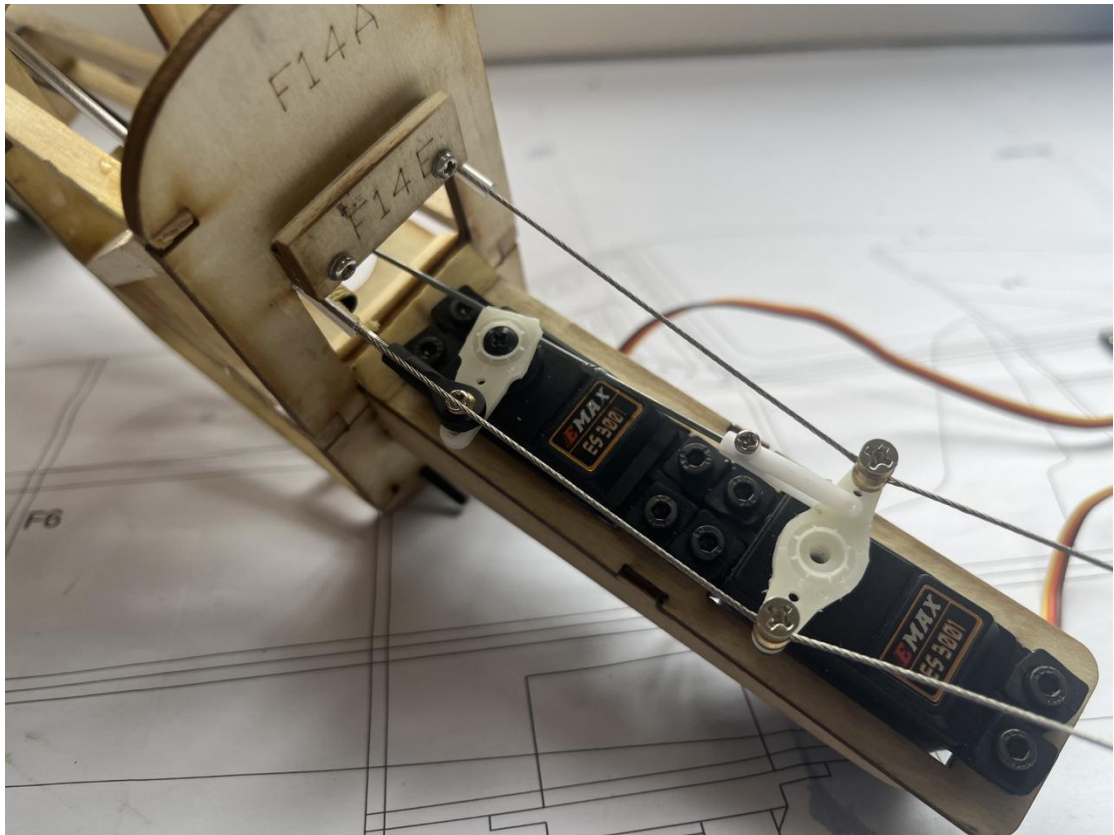
6.22



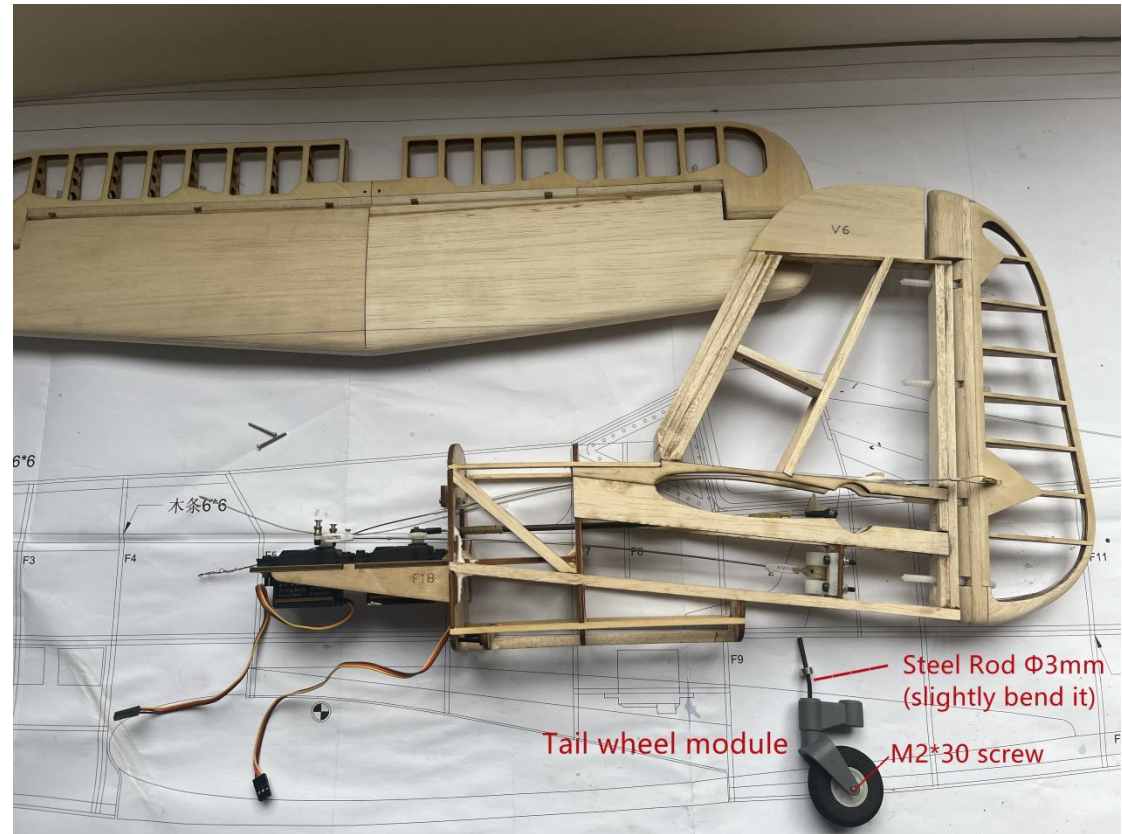
6.23



6.24



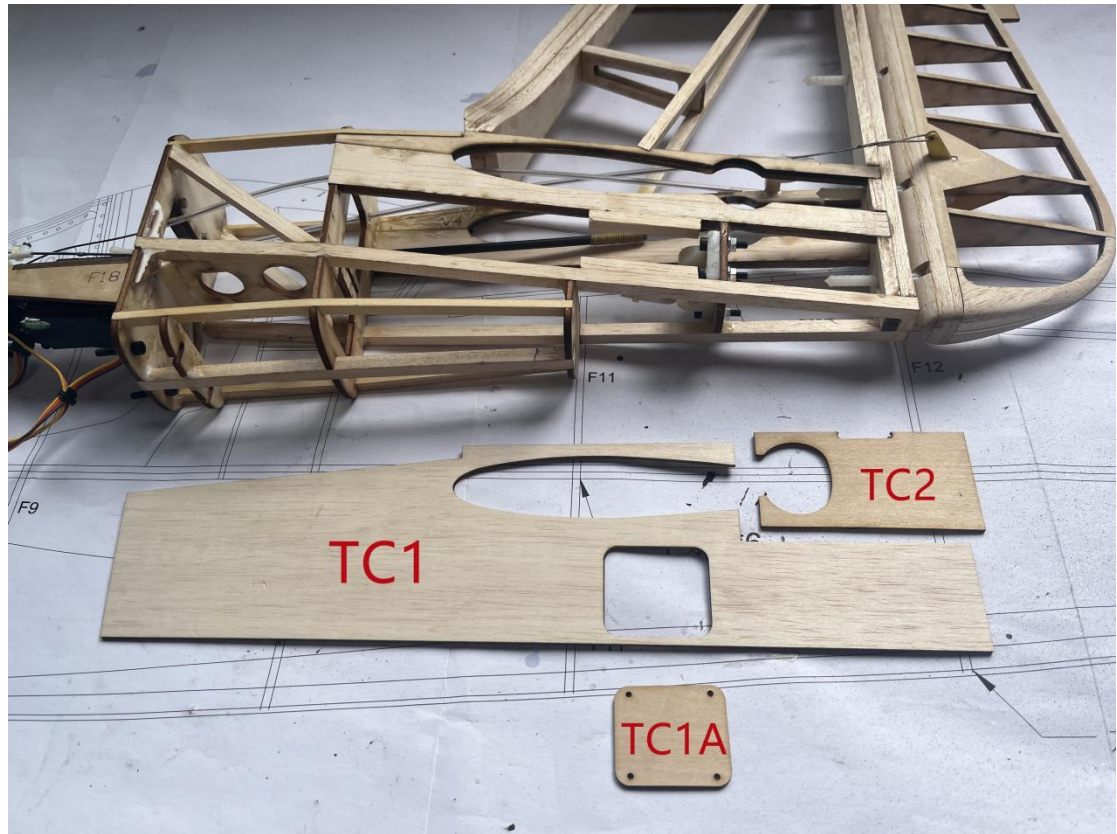
6.25



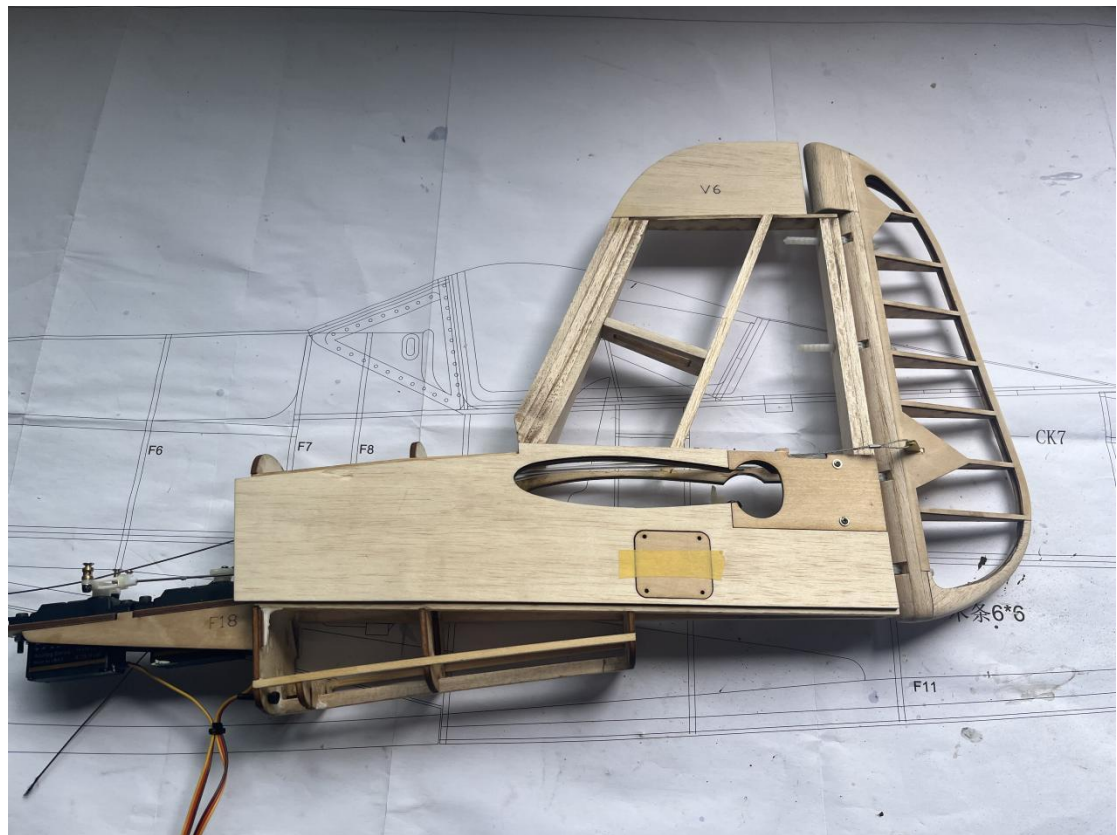
6.26



6.27



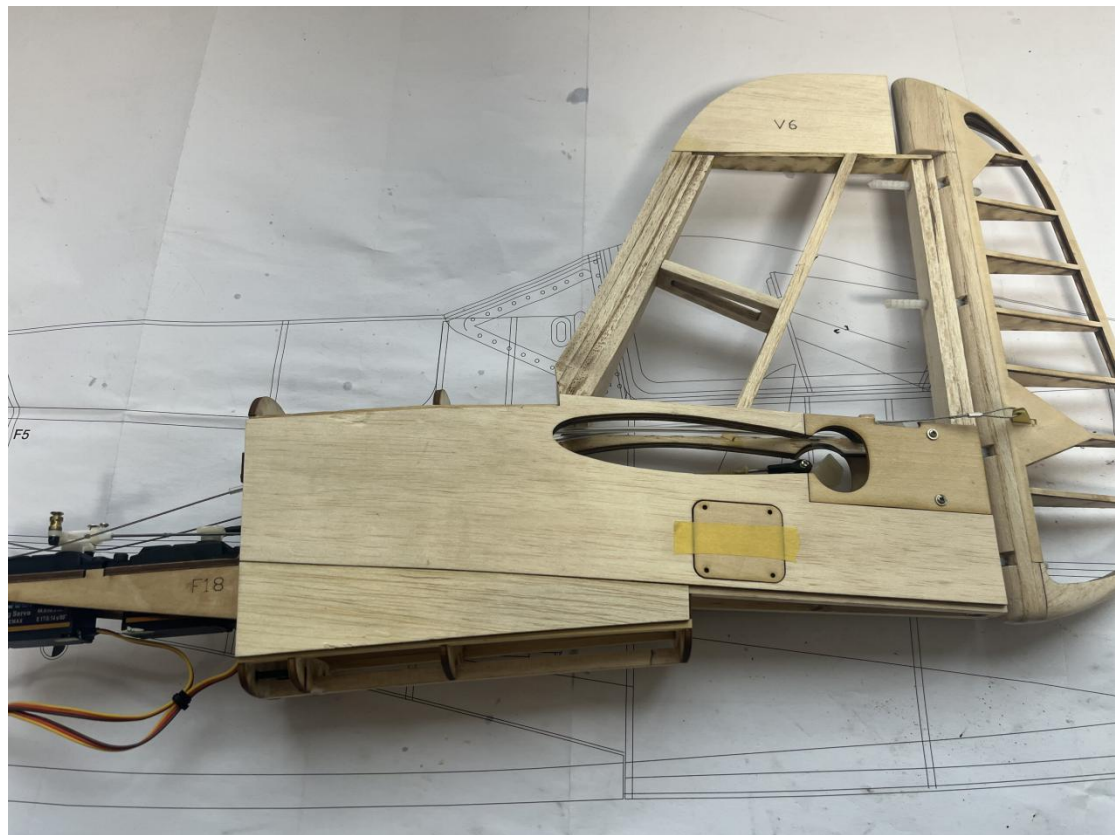
6.28



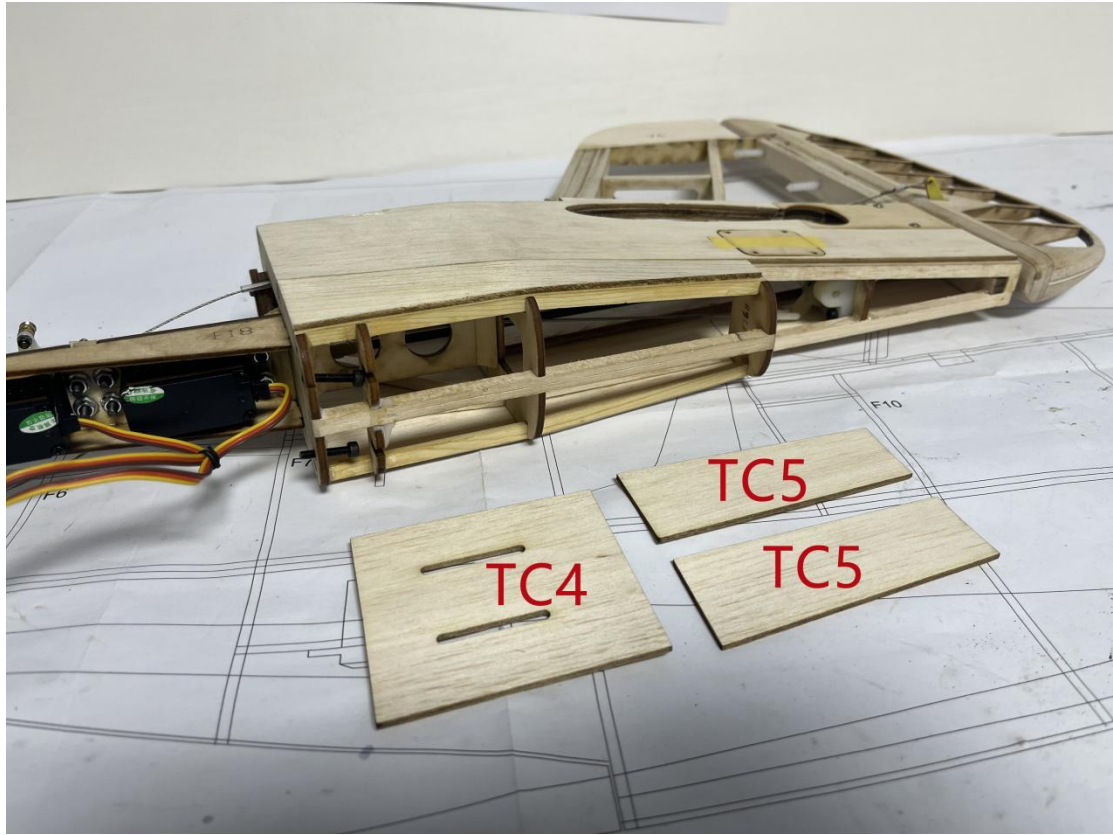
6.29



6.30



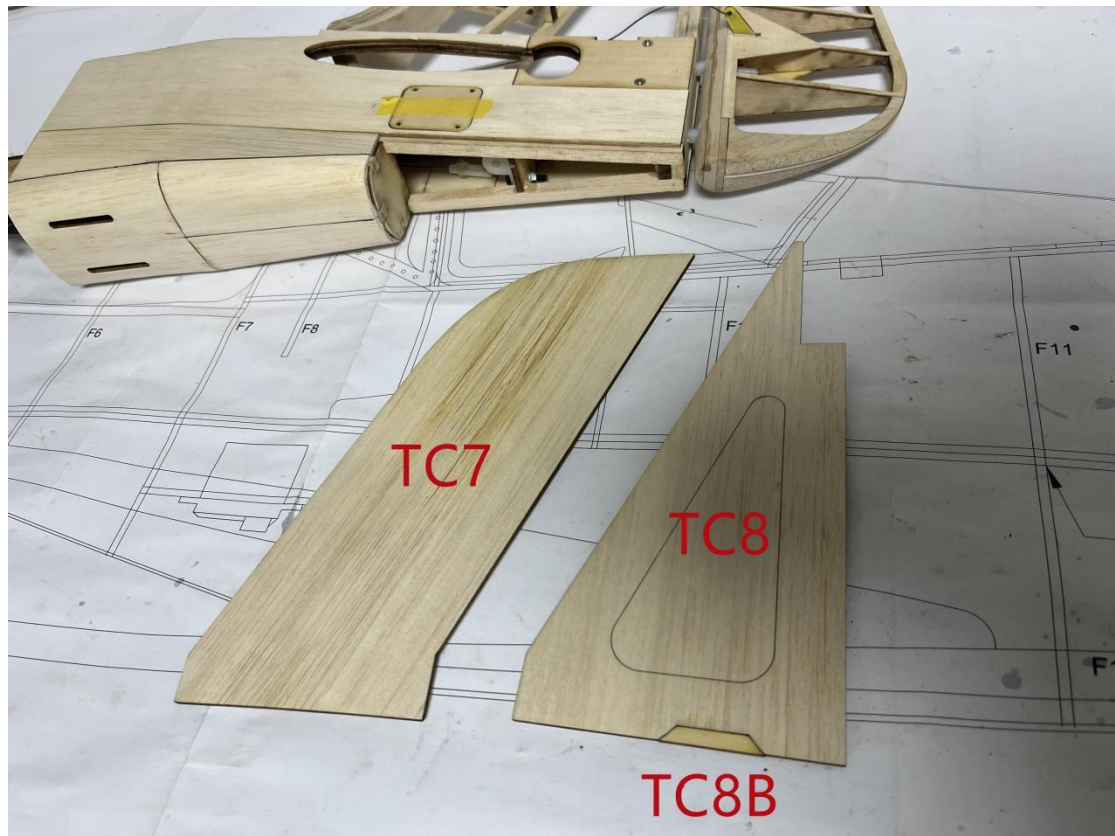
6.31



6.32



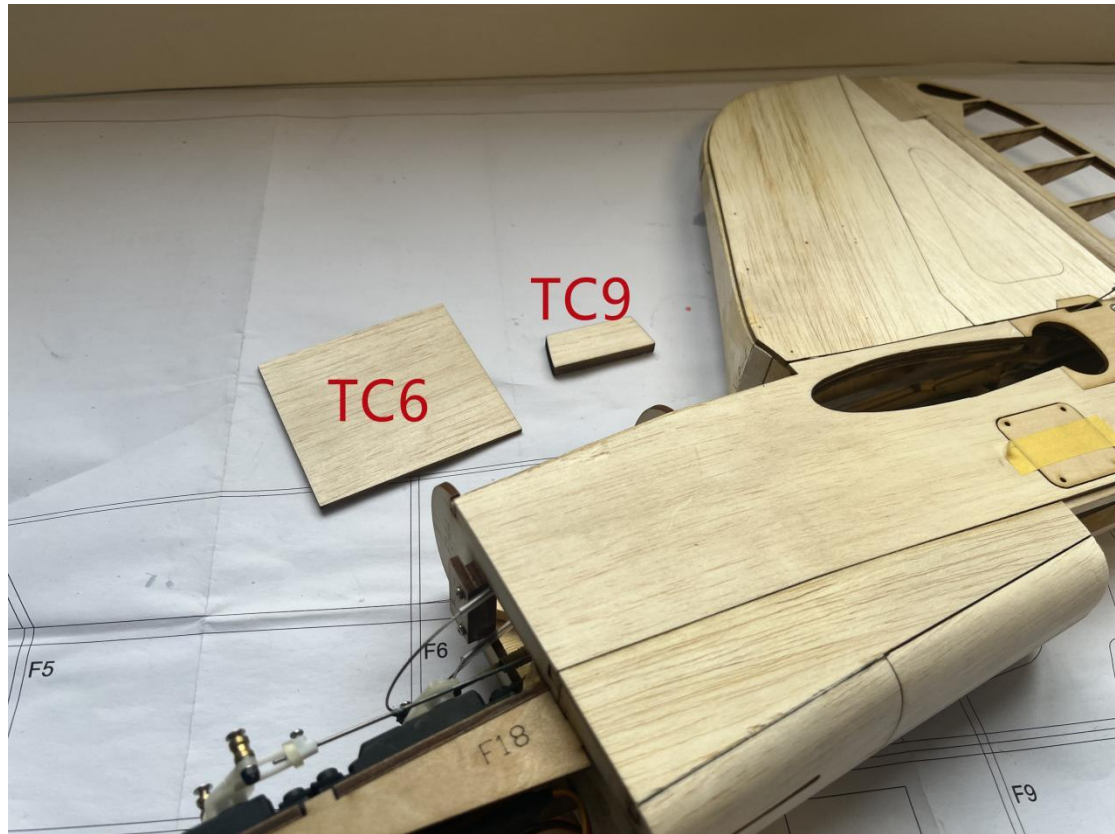
6.33



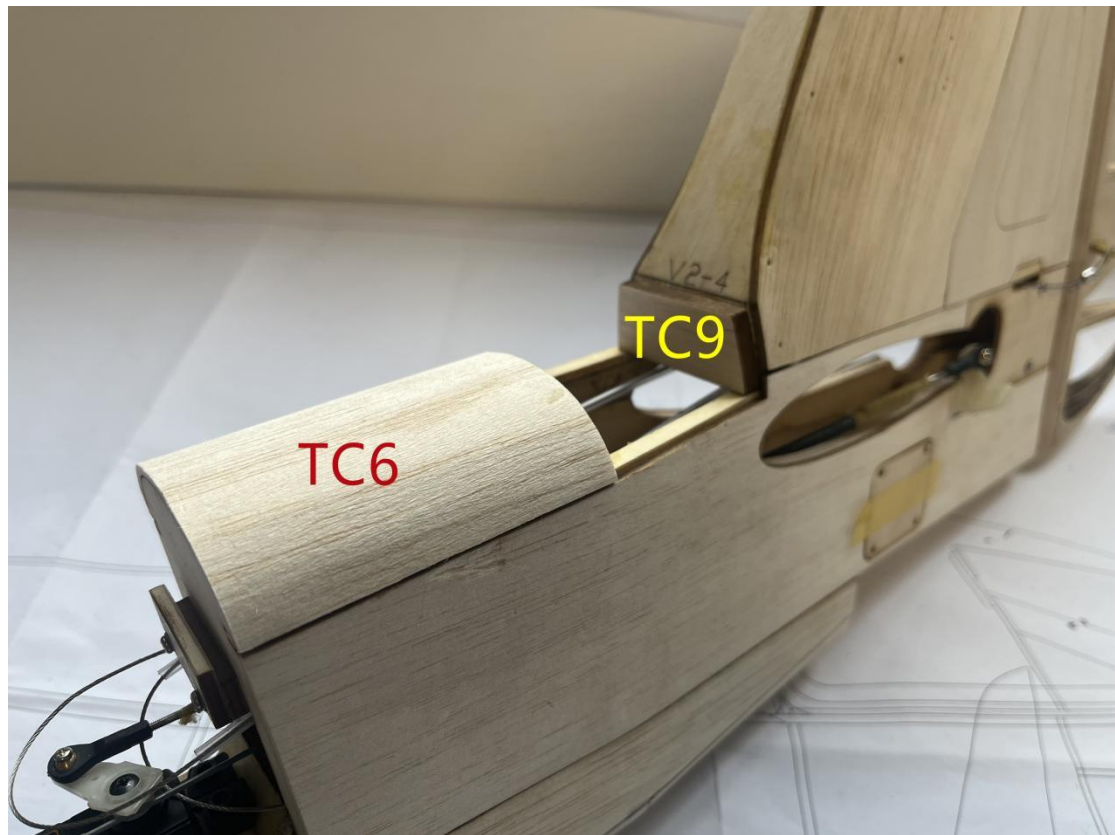
6.34



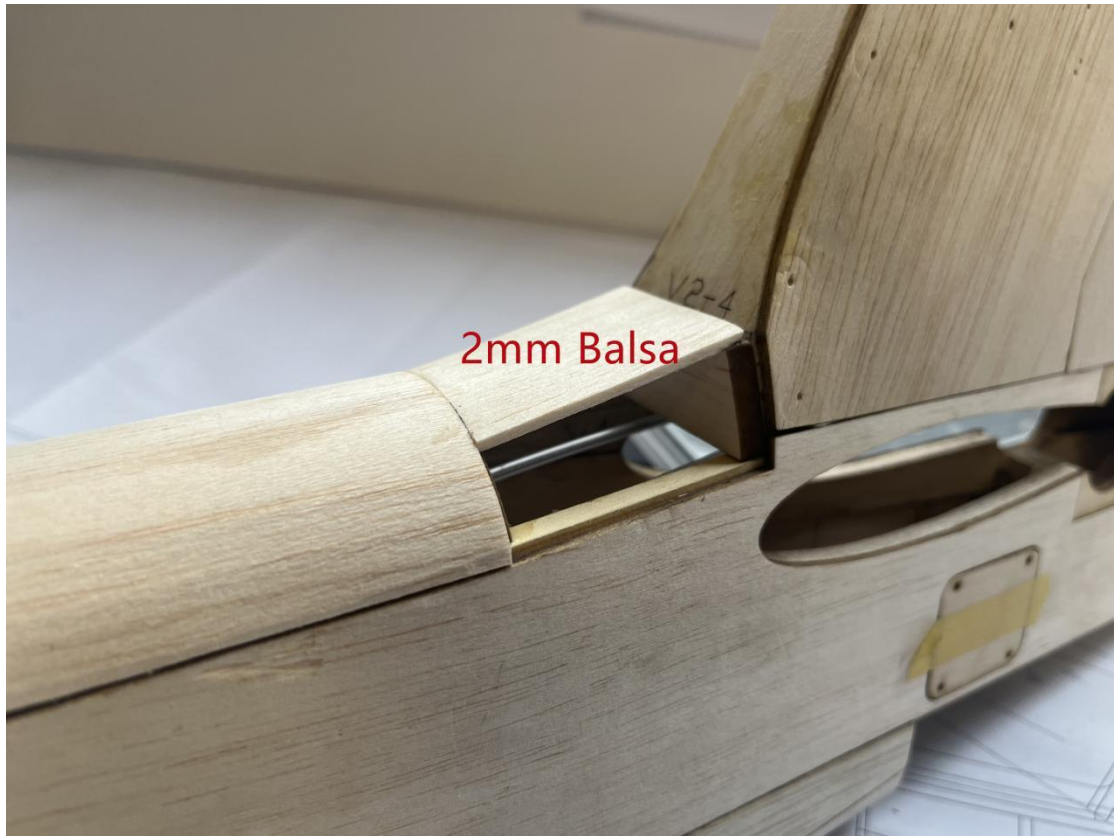
6.35



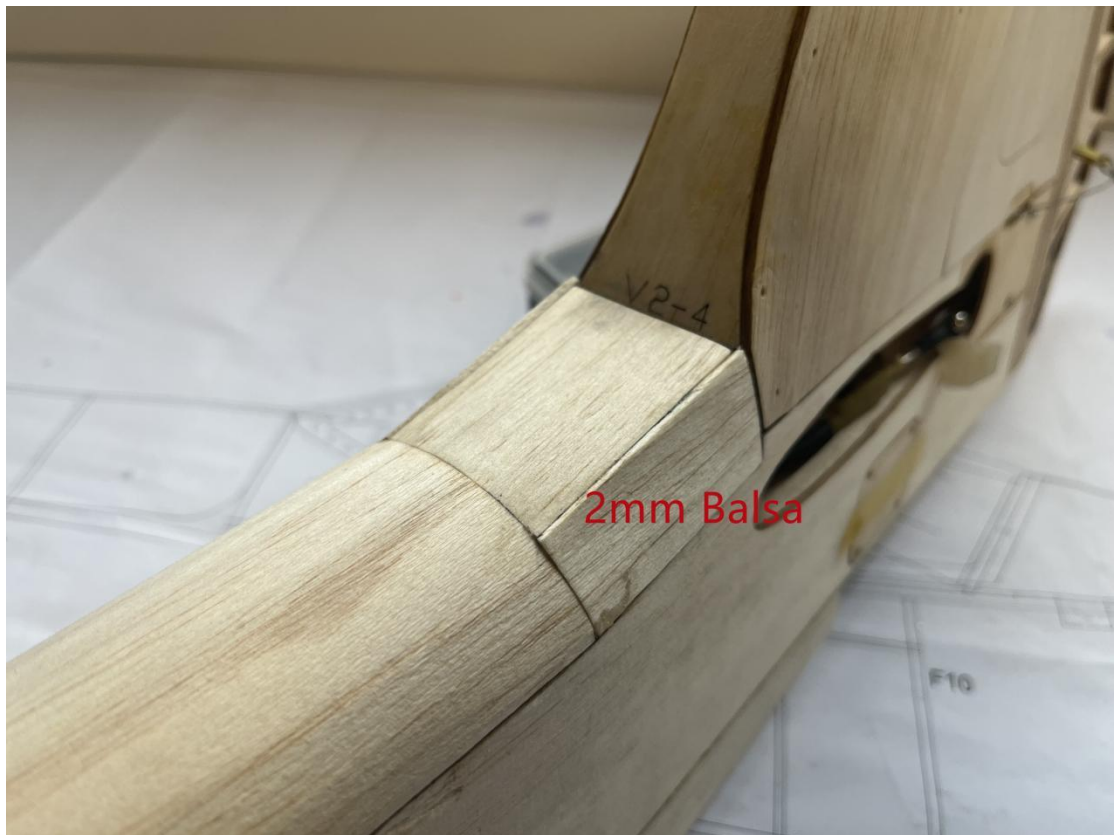
6.36



6.37



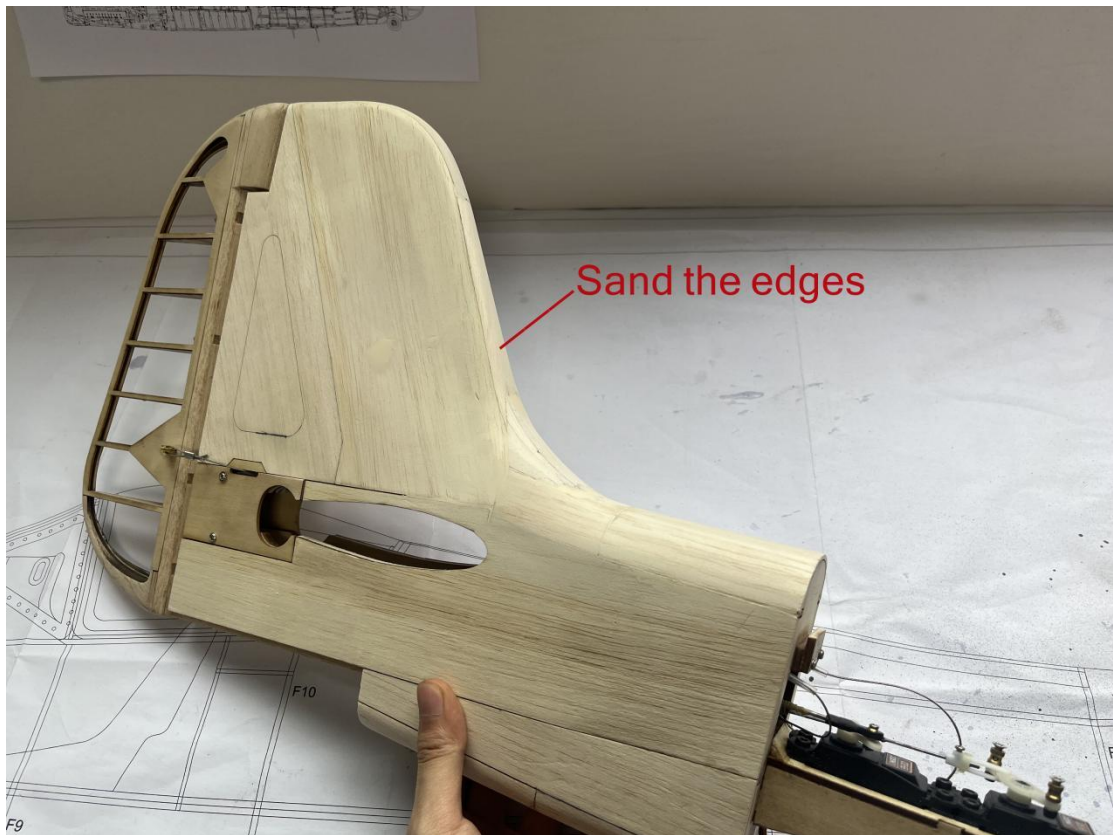
6.38



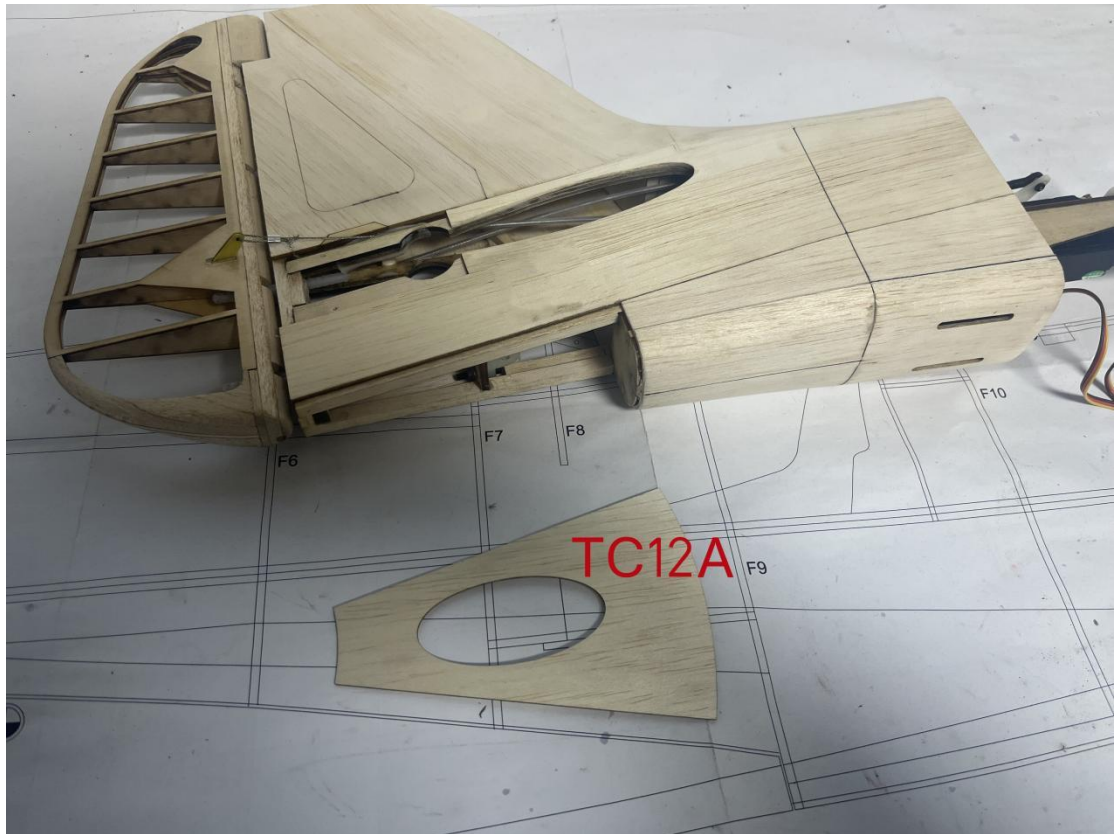
6.39



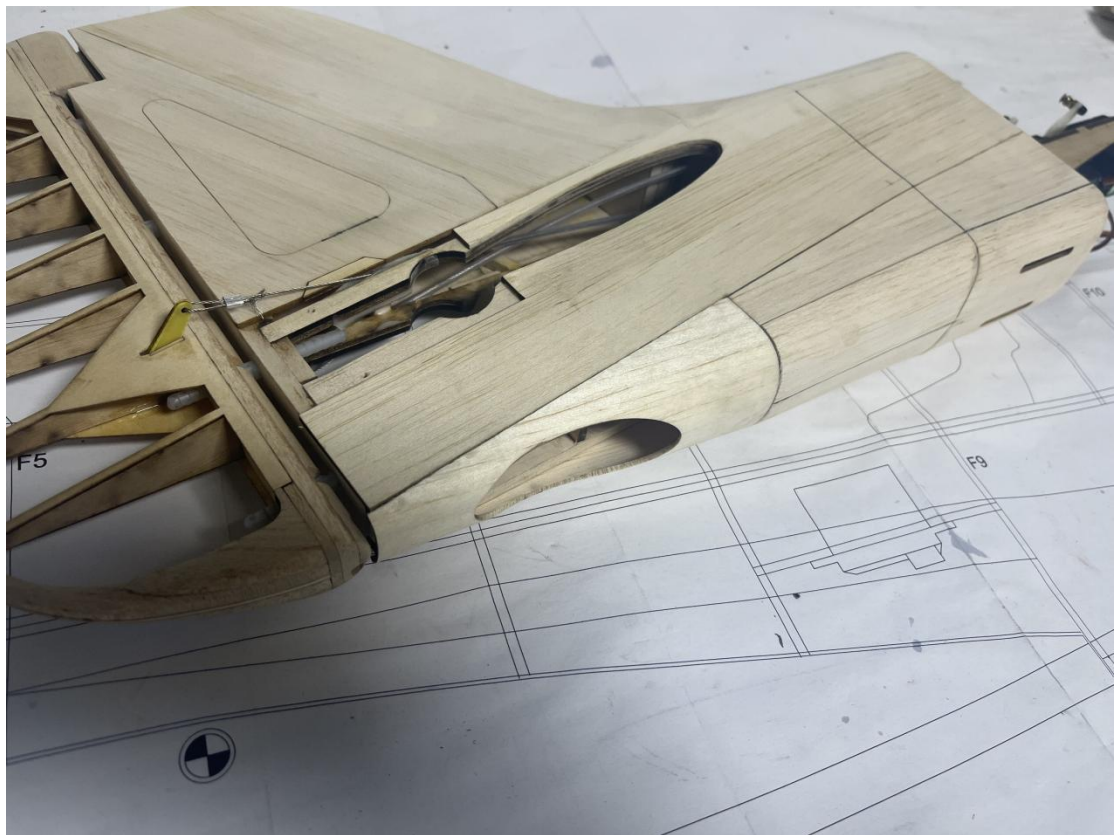
6.40



6.41



6.42



Part Location Lookup Form:

7. The Wings

R1	B3,B7	S2B	D1
R2	B3,B7	S3B	D2
R3	B3,B7	S4B	D3
R4	B4,B8	S5B	D1
R5	B3,B7	L1A	A4
R6	B4,B8	L2A	D1
R7	B4,B8	L3A	D2
R4B	A3,A5	L4A	D3
R5B	A3,A5	L5A	D4
R6B	A4,A6	L6A	D4
R7B	A3,A5	R1D	B4,B8
S1	A4,A6	AL1	E9,E10
S2	D1	AL3	A3,A5
R8	B4,B8	R11A	B3,B7
S4	D4	AL2	E11,E12
S5	D1	WT	F6,B4,B8
S6	D1	F7C	B9
S7	D2	FC8	G3,G7
R9	A3,A5	AL4	F8
R10	A3,A5	AL5	D3
R11	A3,A5	FP1	E1,E7
R12	A3,A5	FP2	E3,E5
R13	A3,A5	FP3	B5,B6
S8	D2	FP4	E2,E8
S9	D3	FP5	E4,E6
S10	D3	R7C	A4,A6
R1C	B3,B7	R7D	A4,A6
R1A	B3,B7	R7E	B4,B8
L1B	A4	WC1	C6,C10
L2B	D1	WC2	C4,C5
L3B	D2	WC3	C9
L4B	D3	WC4	C9,C10
L5B	D4	WC5	F8
L6B	D4		
FR1	F6		
R1B	F6		
FR2	F5,F7		
FR3	F5,F7		
S1B	A4,A6		

Instruction: 7. The Wings

7.1



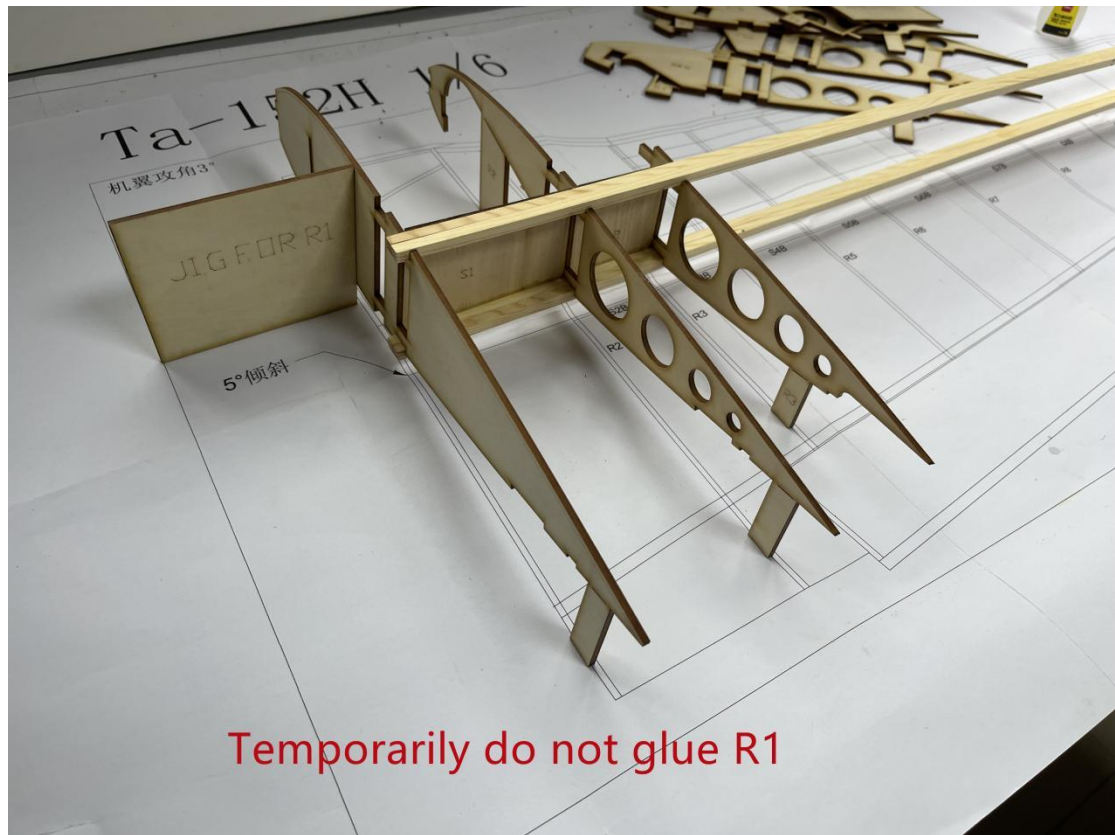
7.2



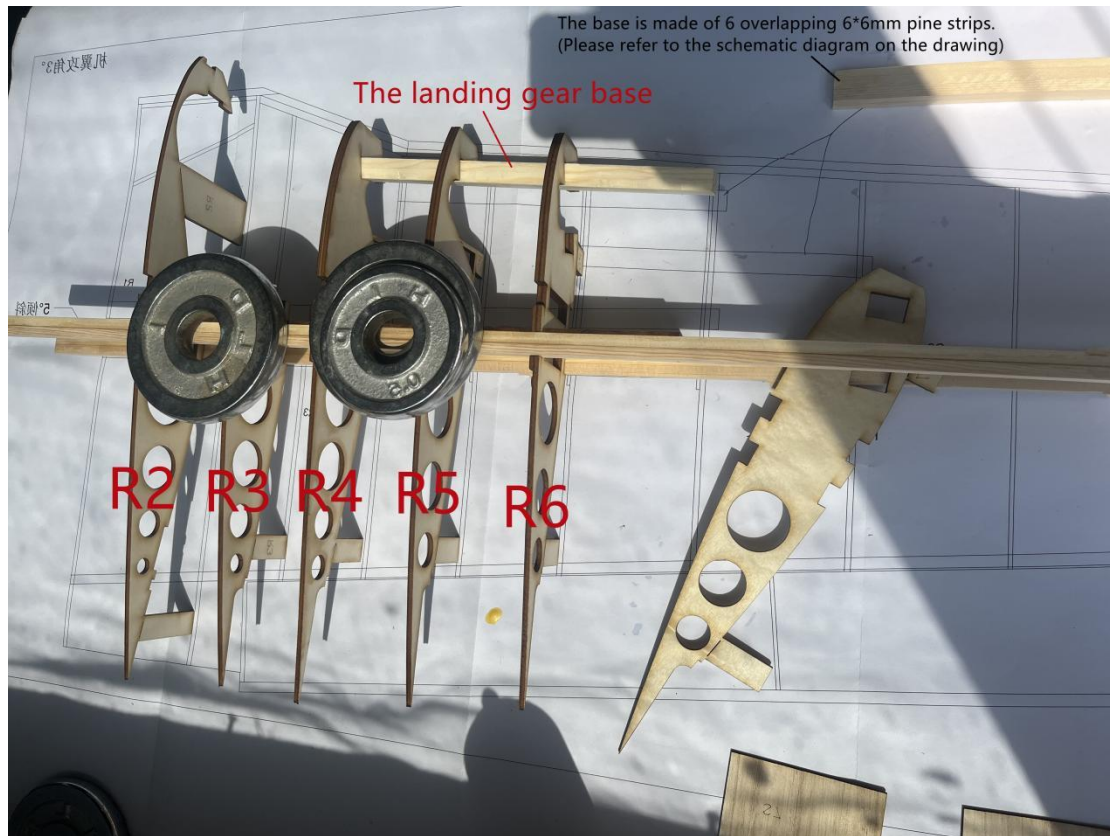
7.3



7.4



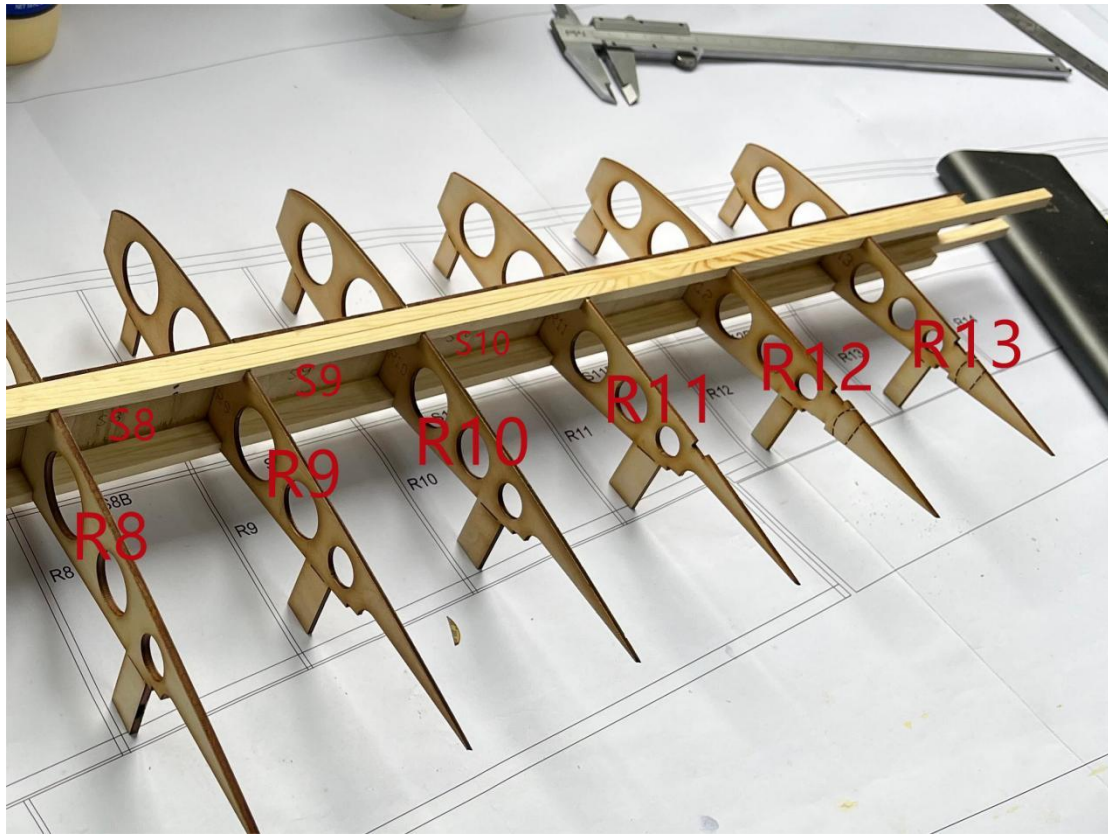
7.5



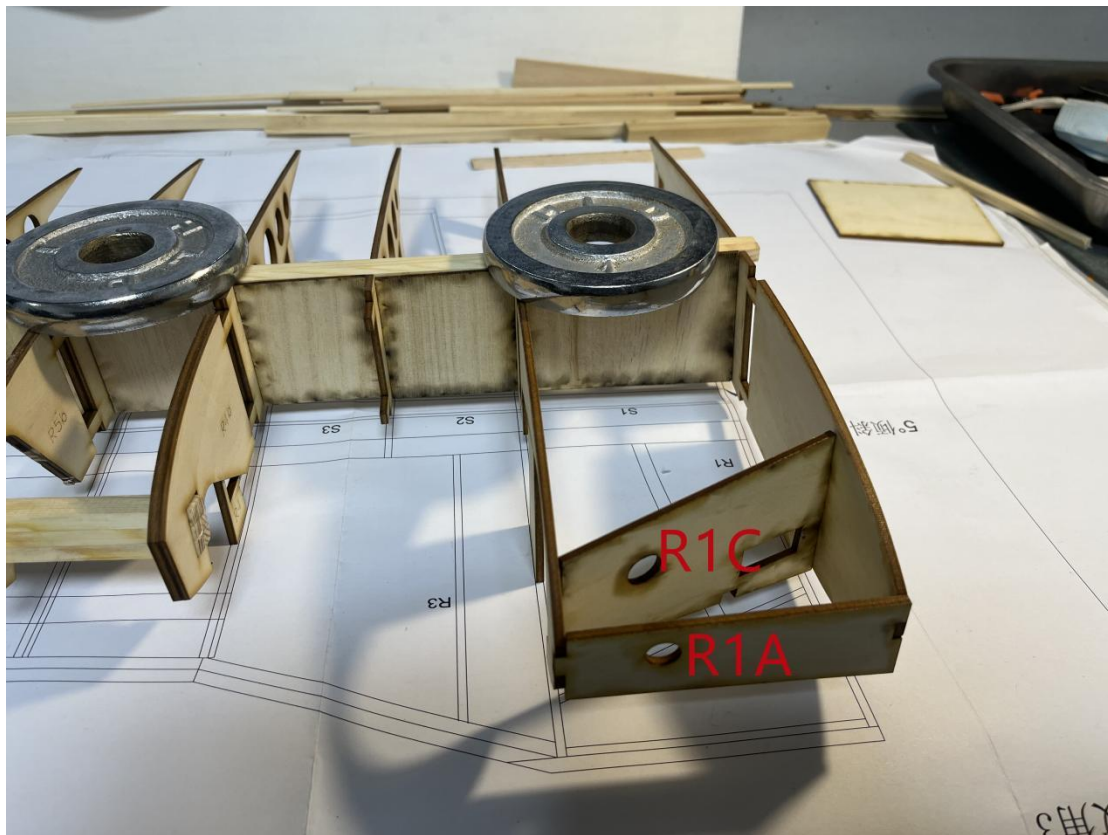
7.6



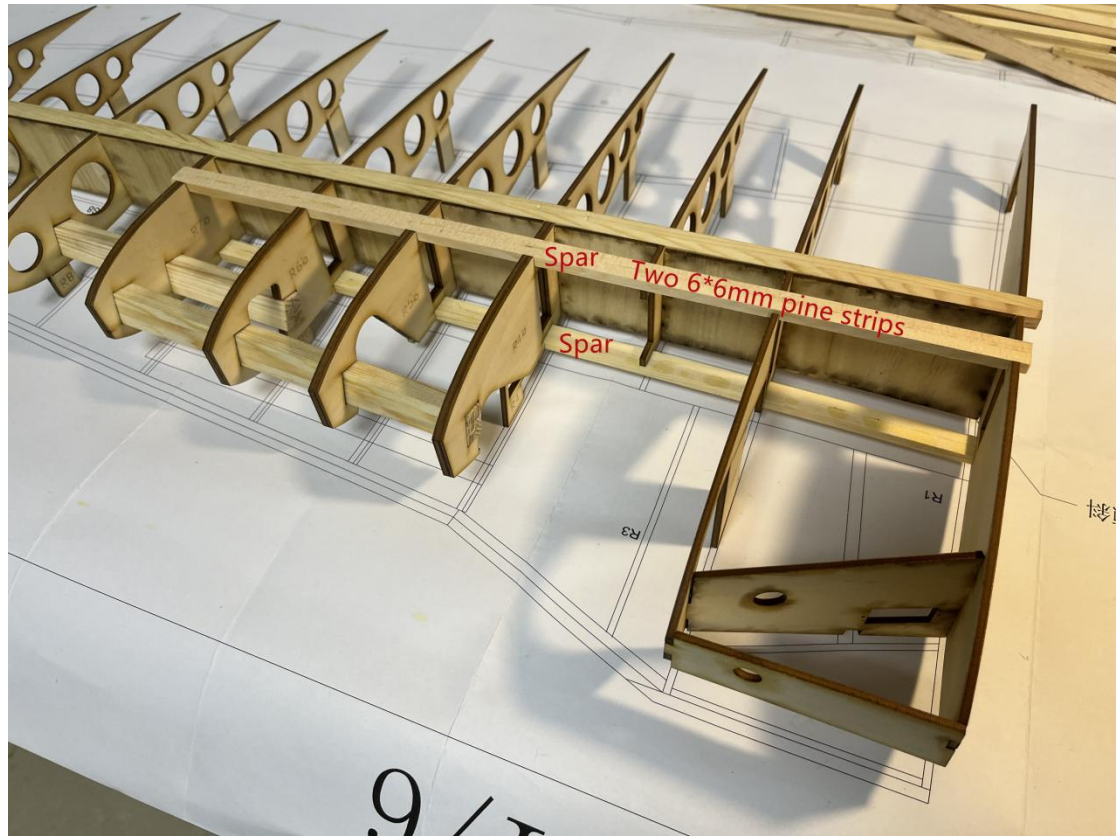
7.7



7.8



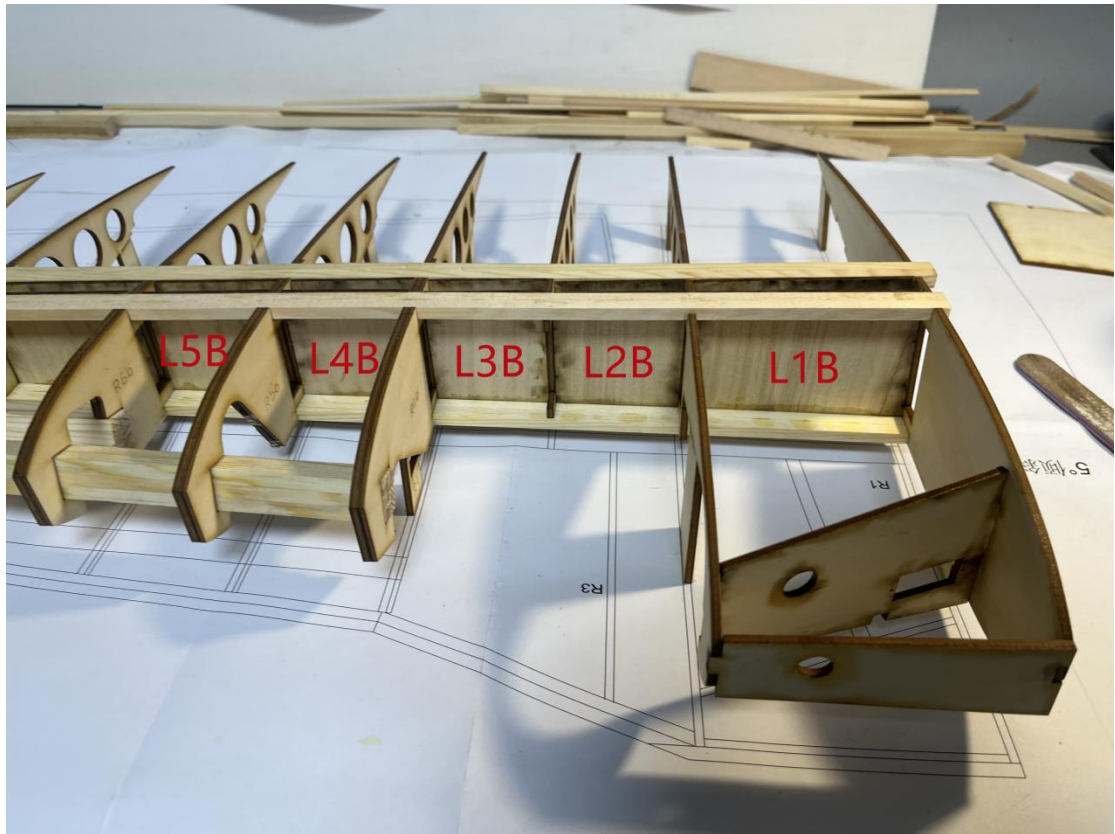
7.9



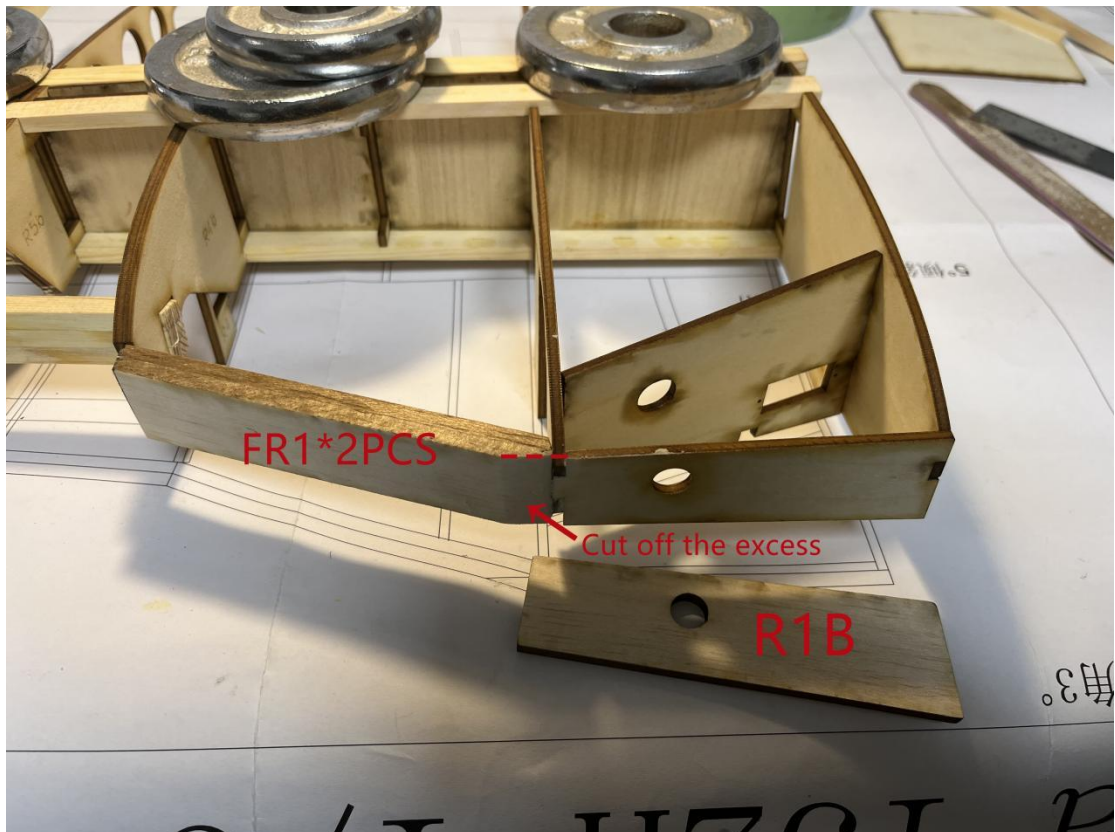
7.10



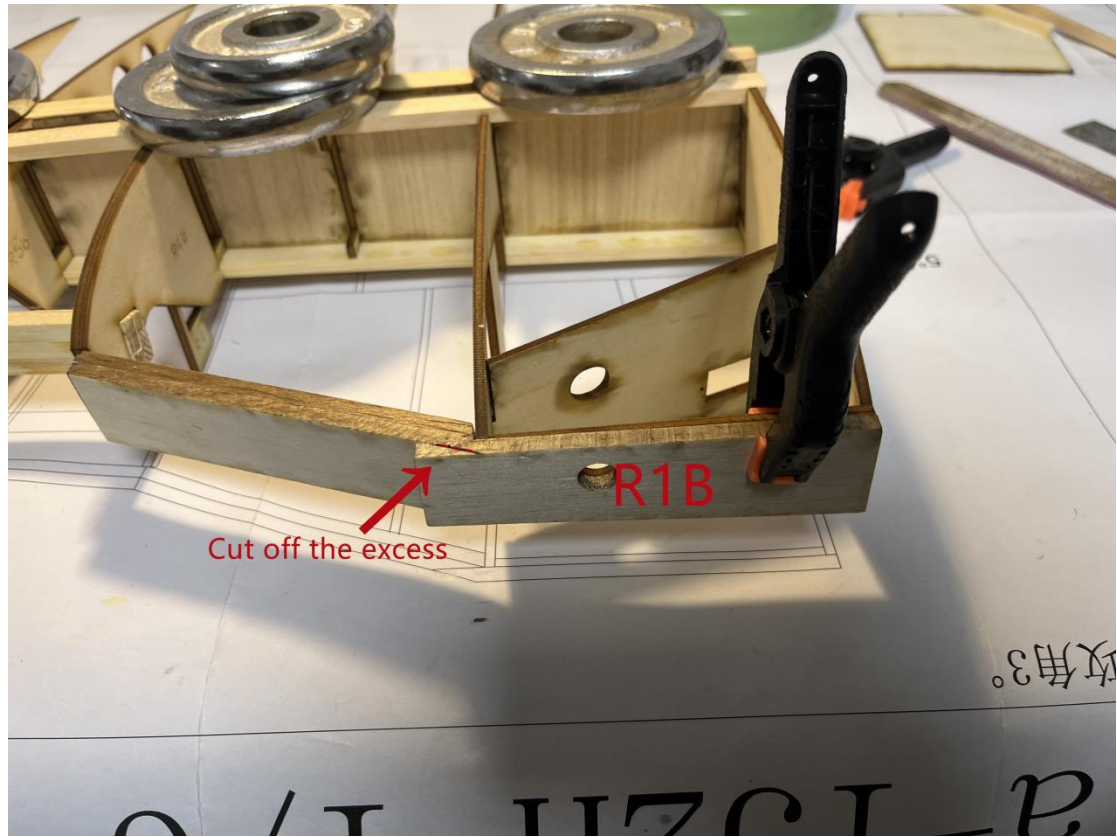
7.11



7.12



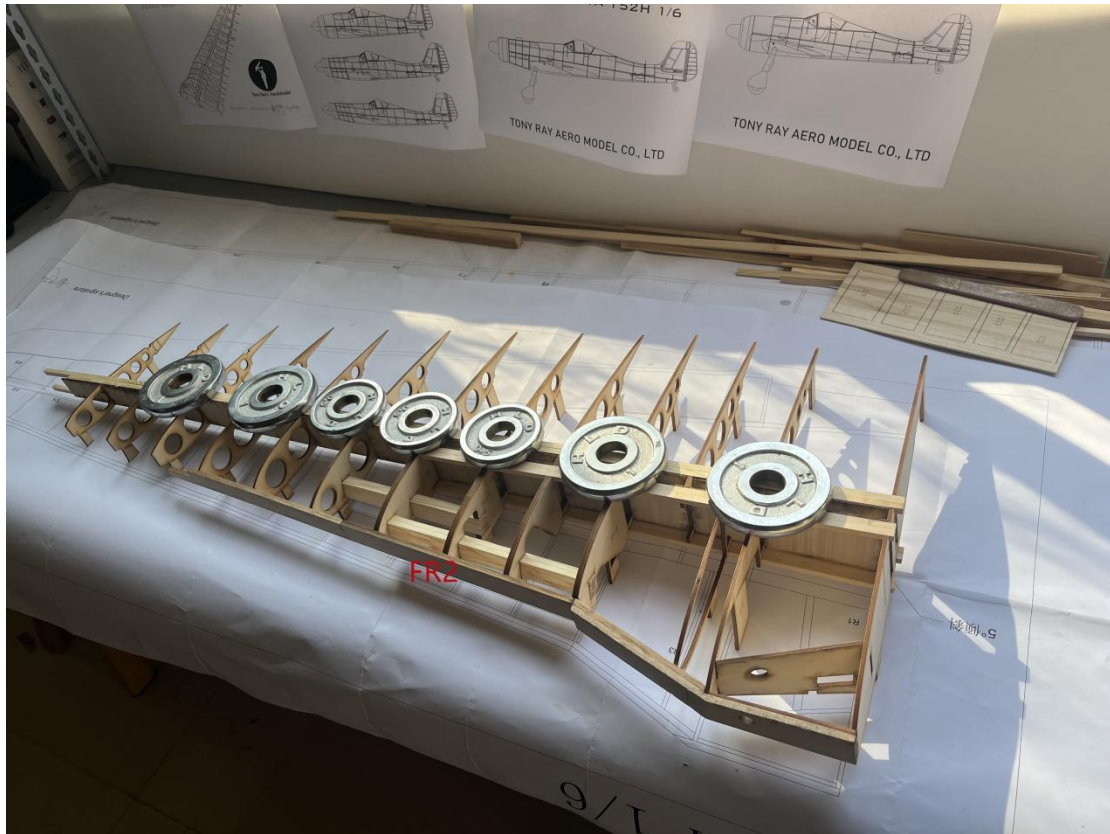
7.13



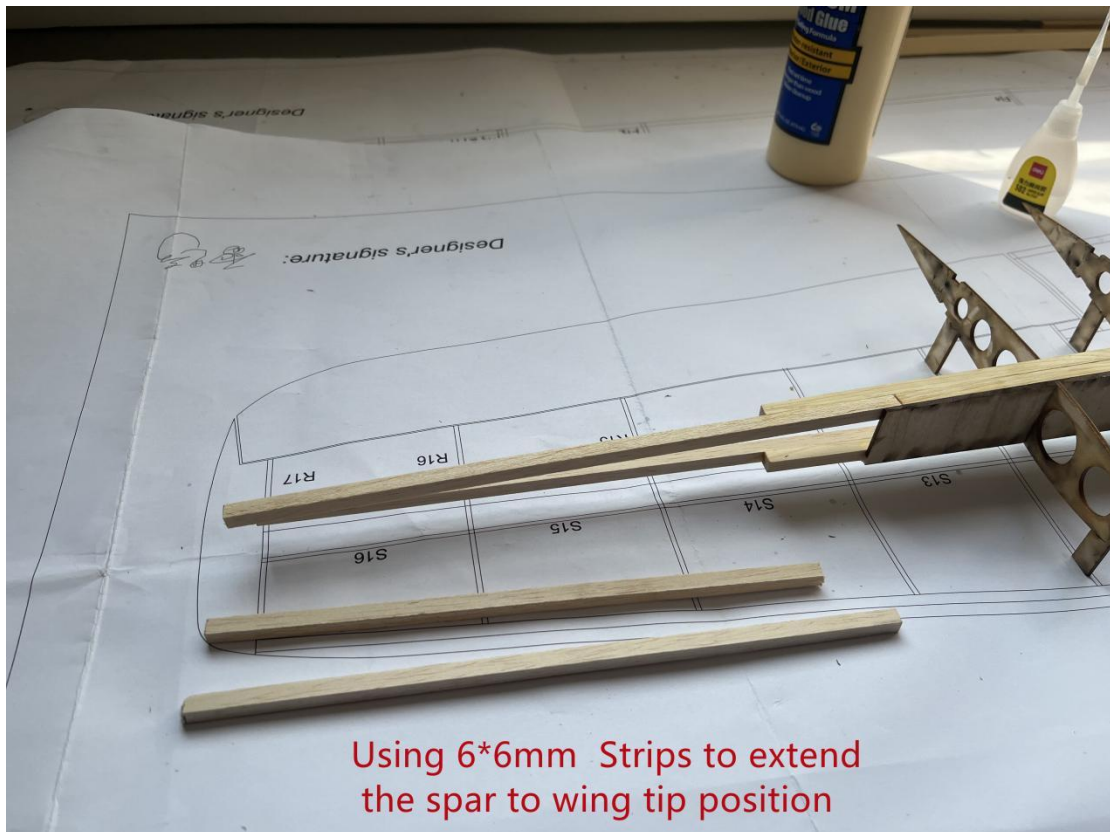
7.14



7.15

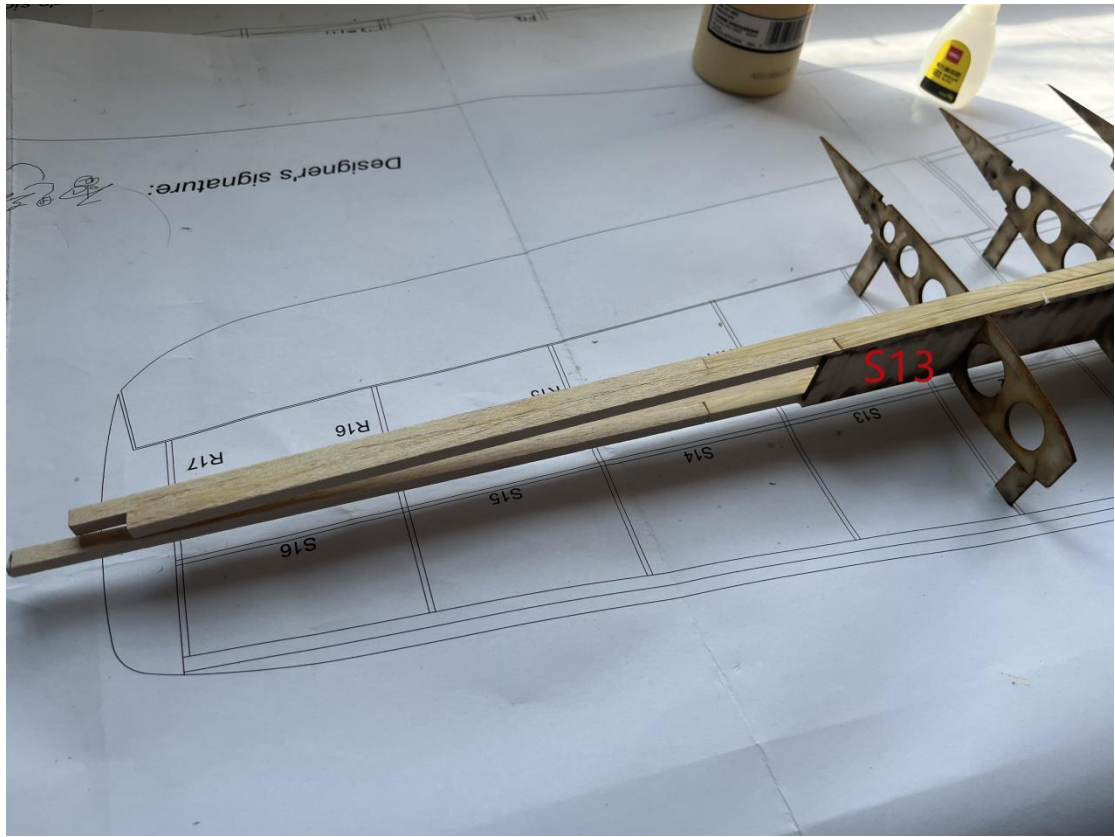


7.16

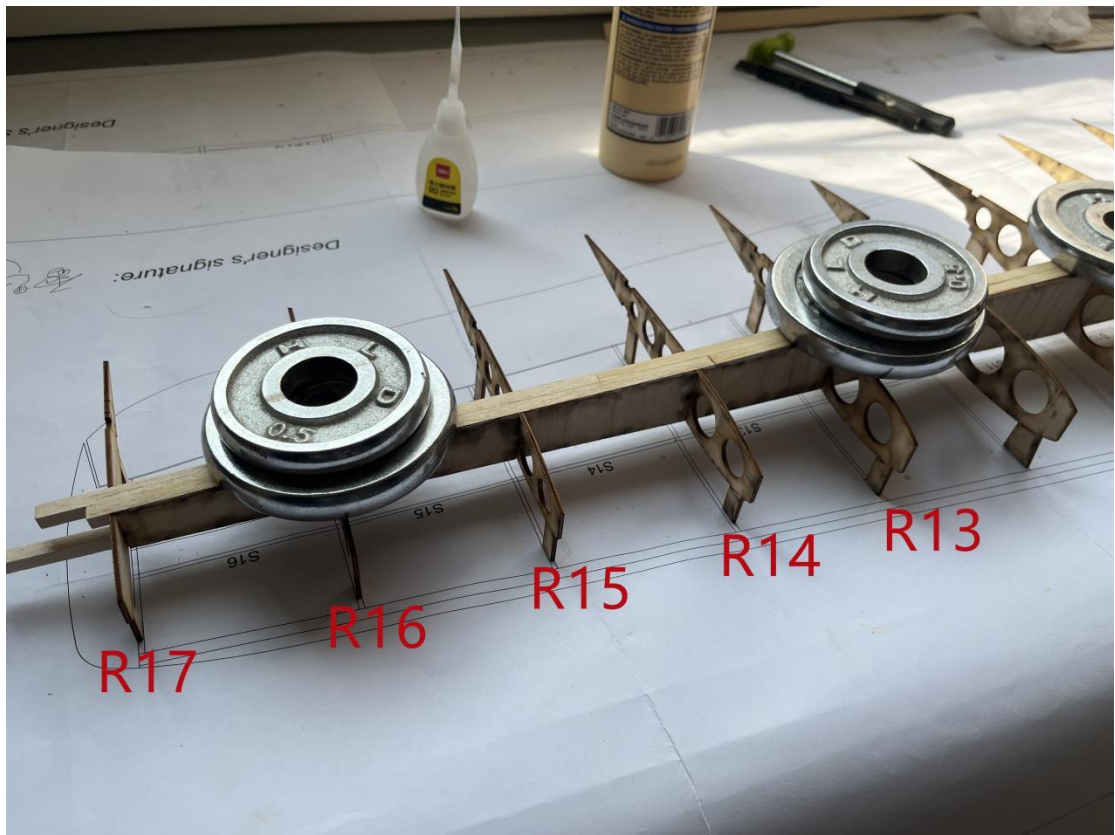


Using 6*6mm Strips to extend
the spar to wing tip position

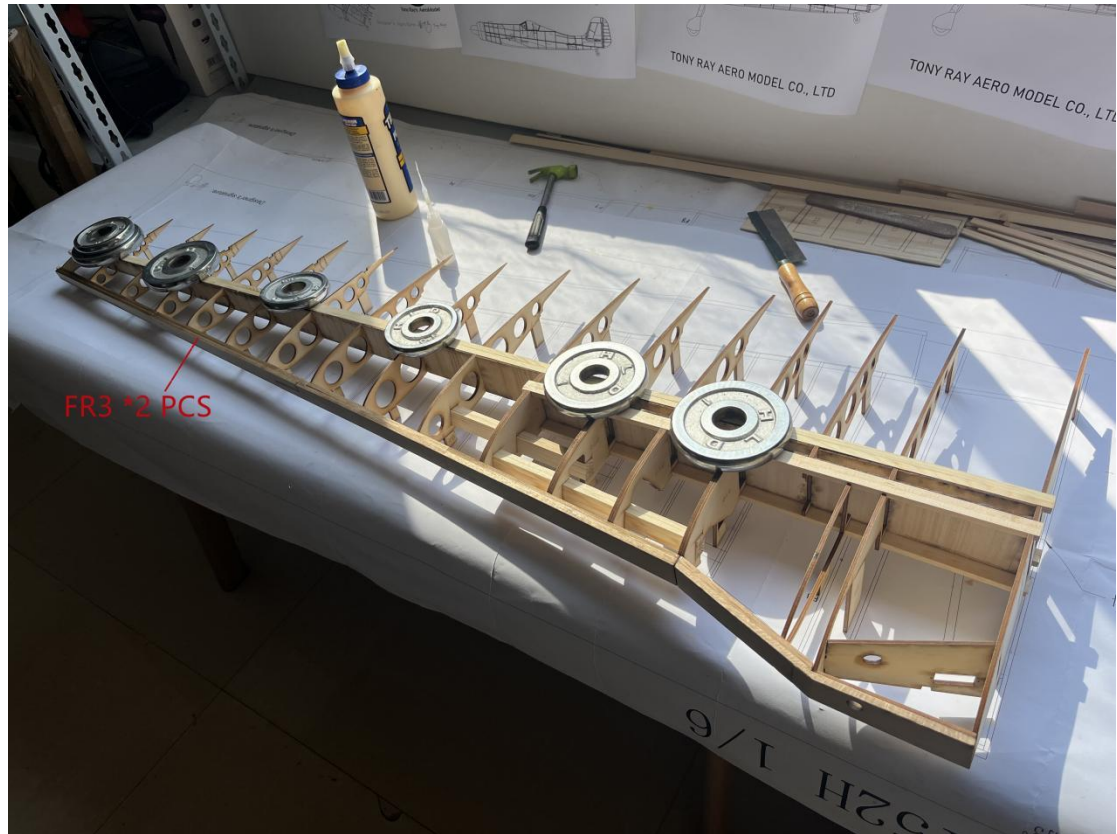
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7.18



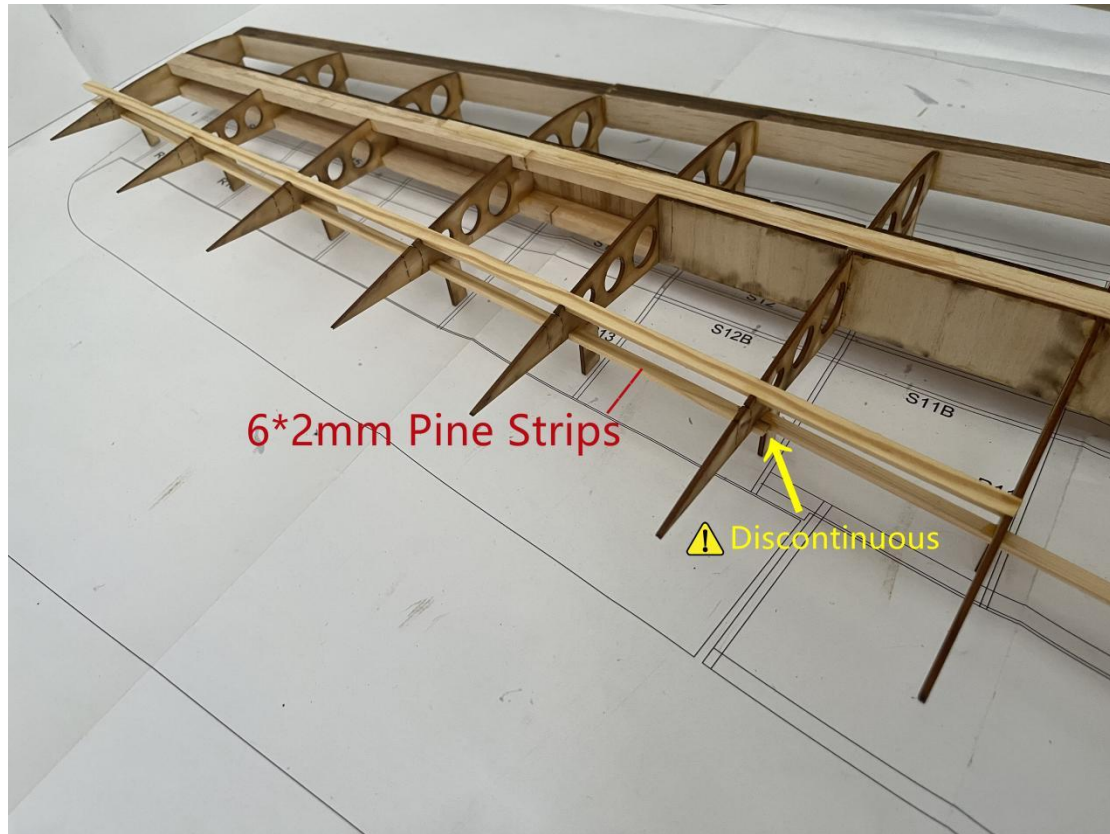
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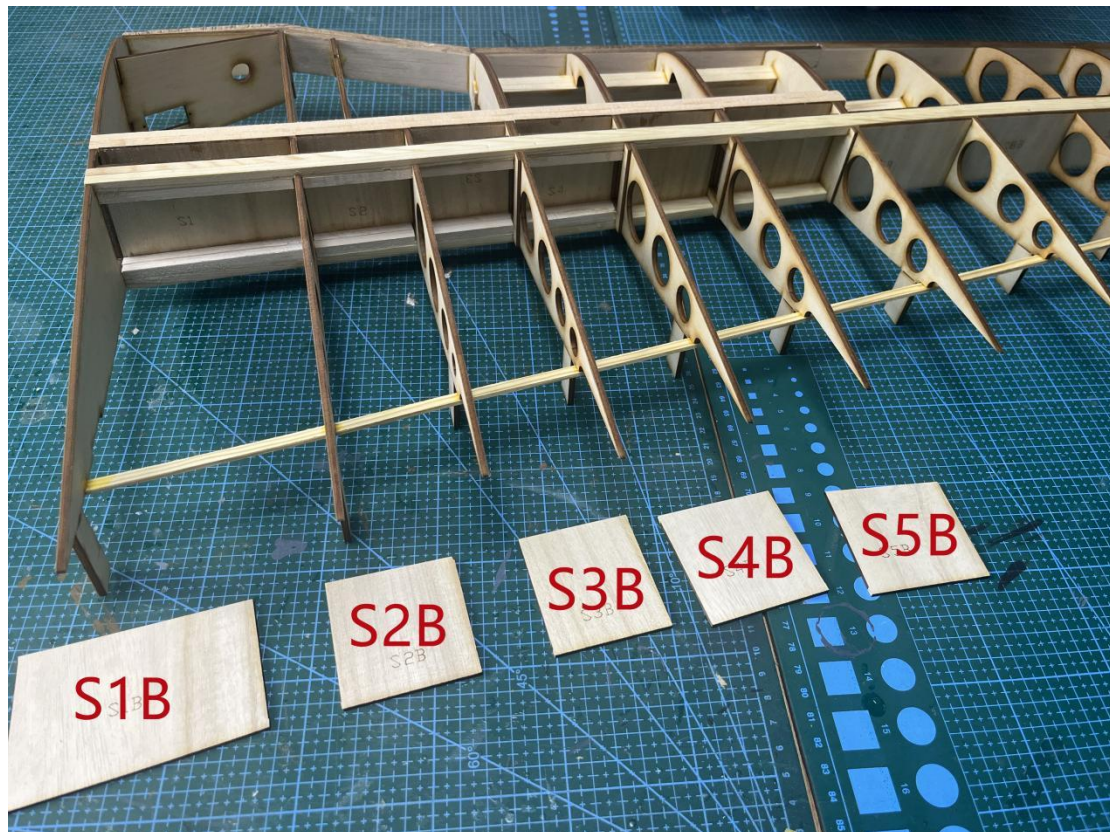
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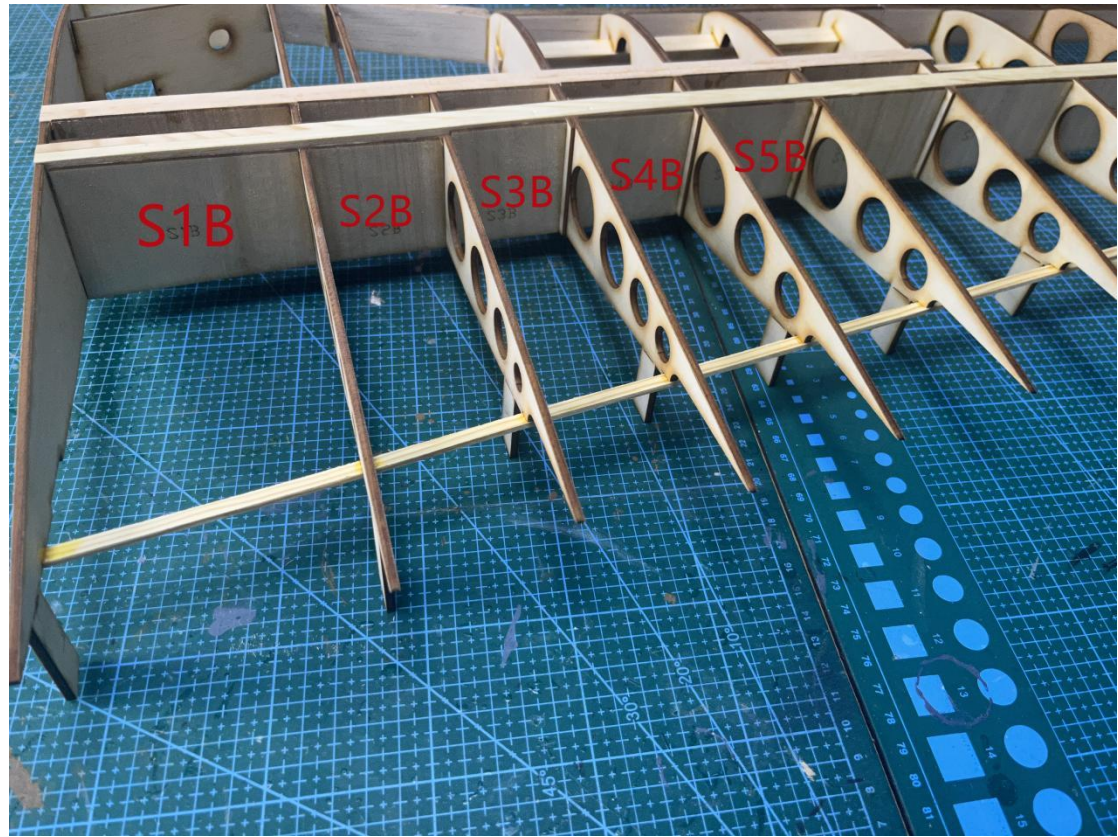
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7.22



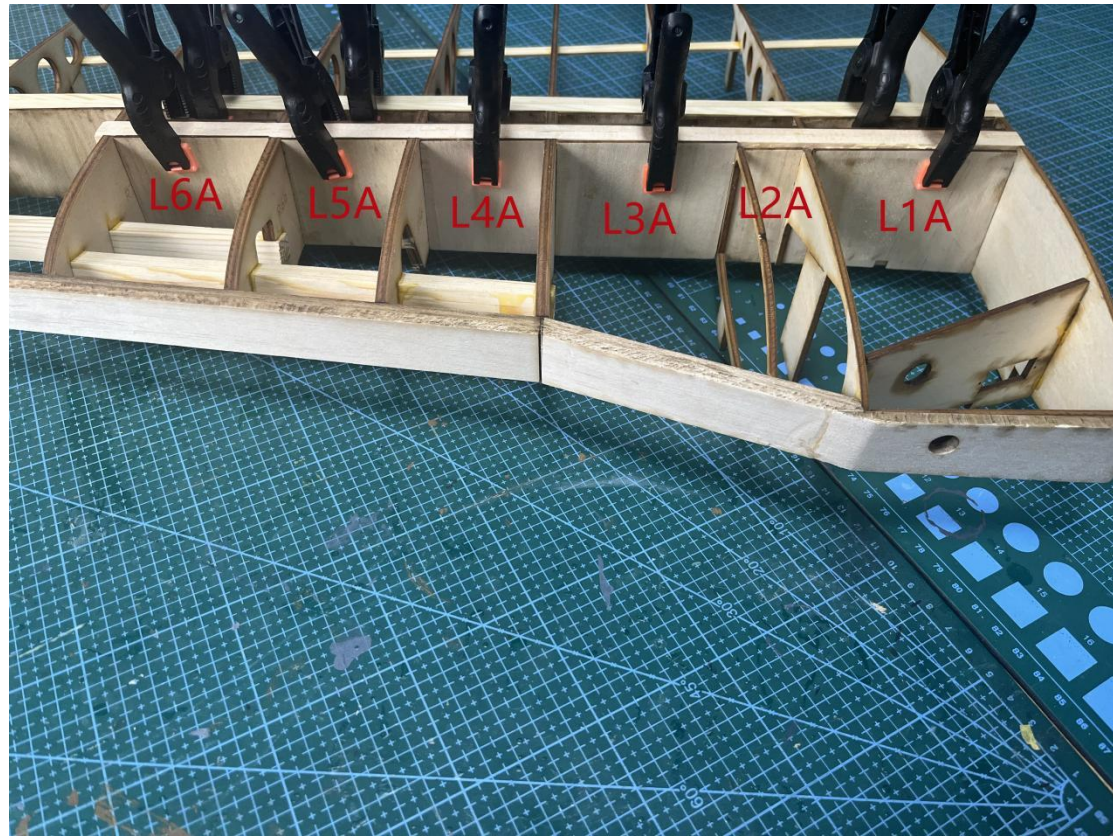
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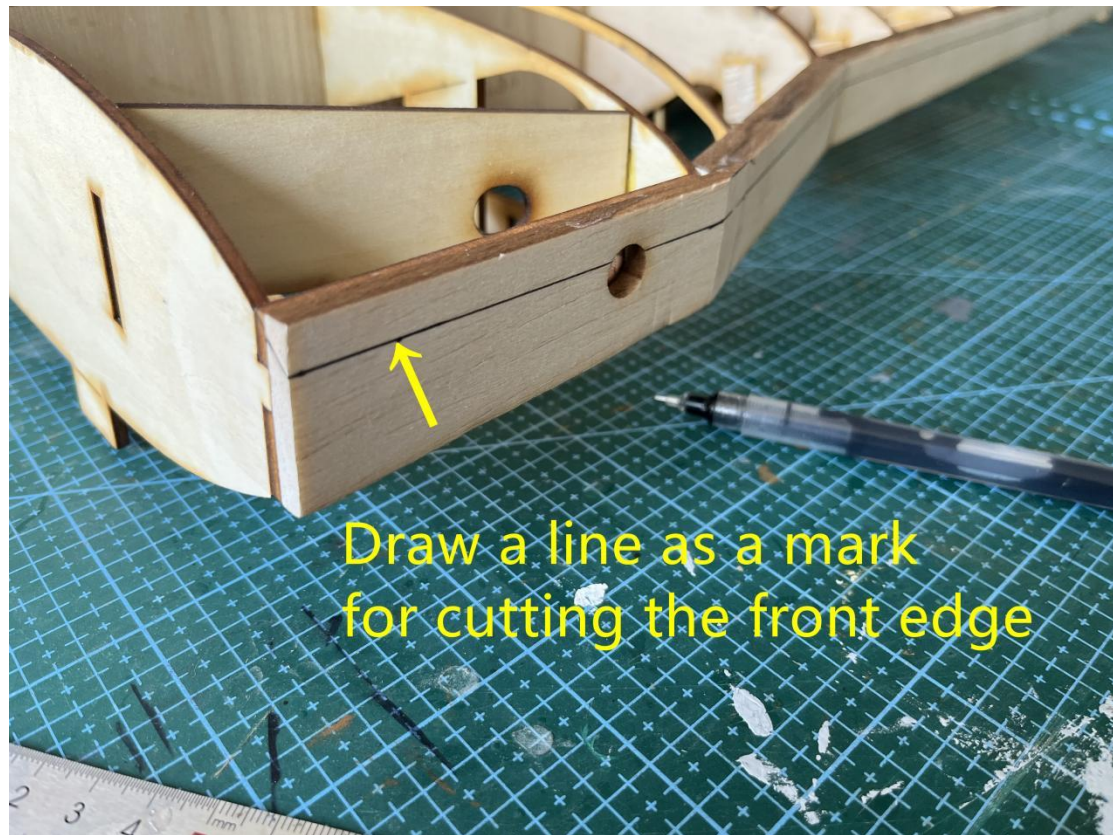
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7.25

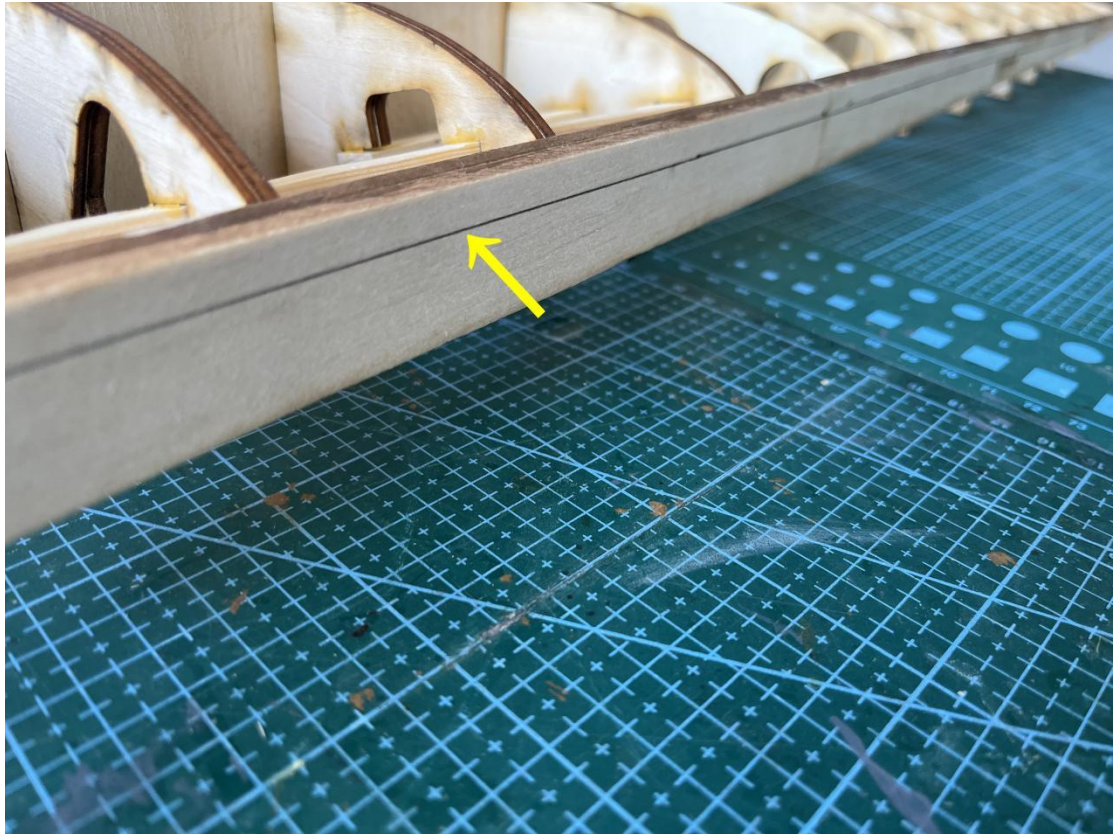


7.26

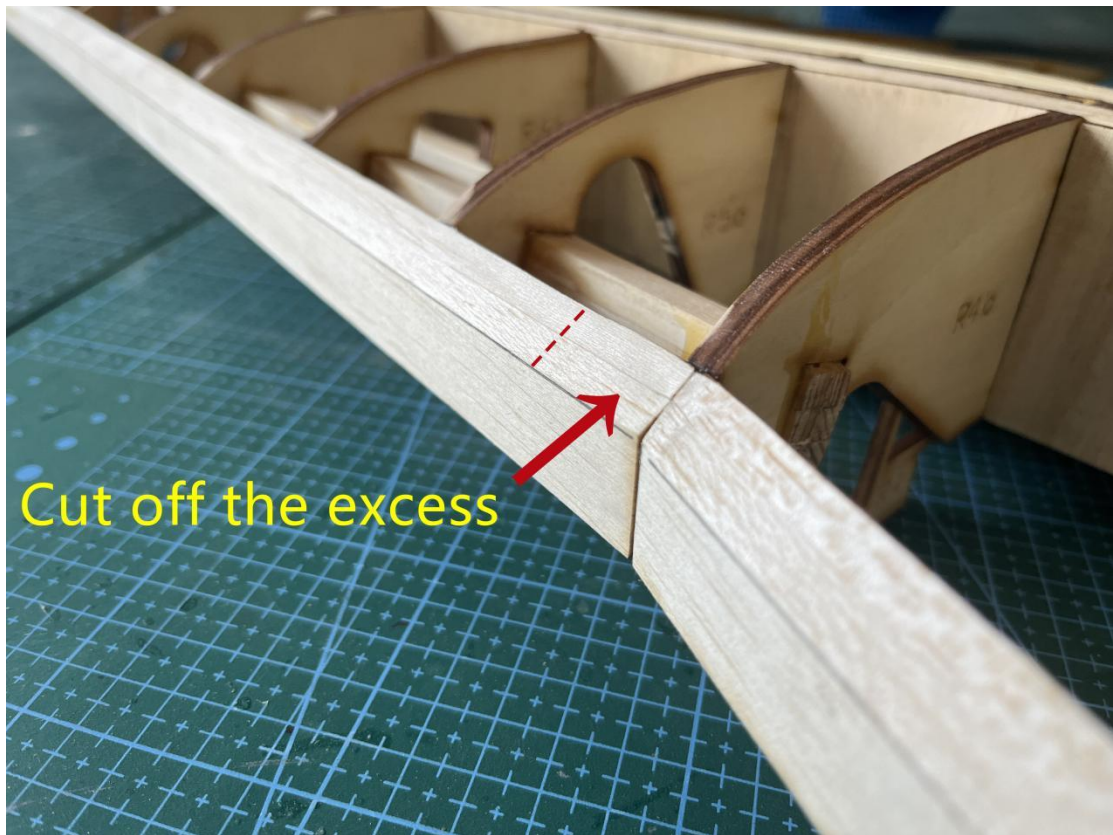


Draw a line as a mark
for cutting the front edge

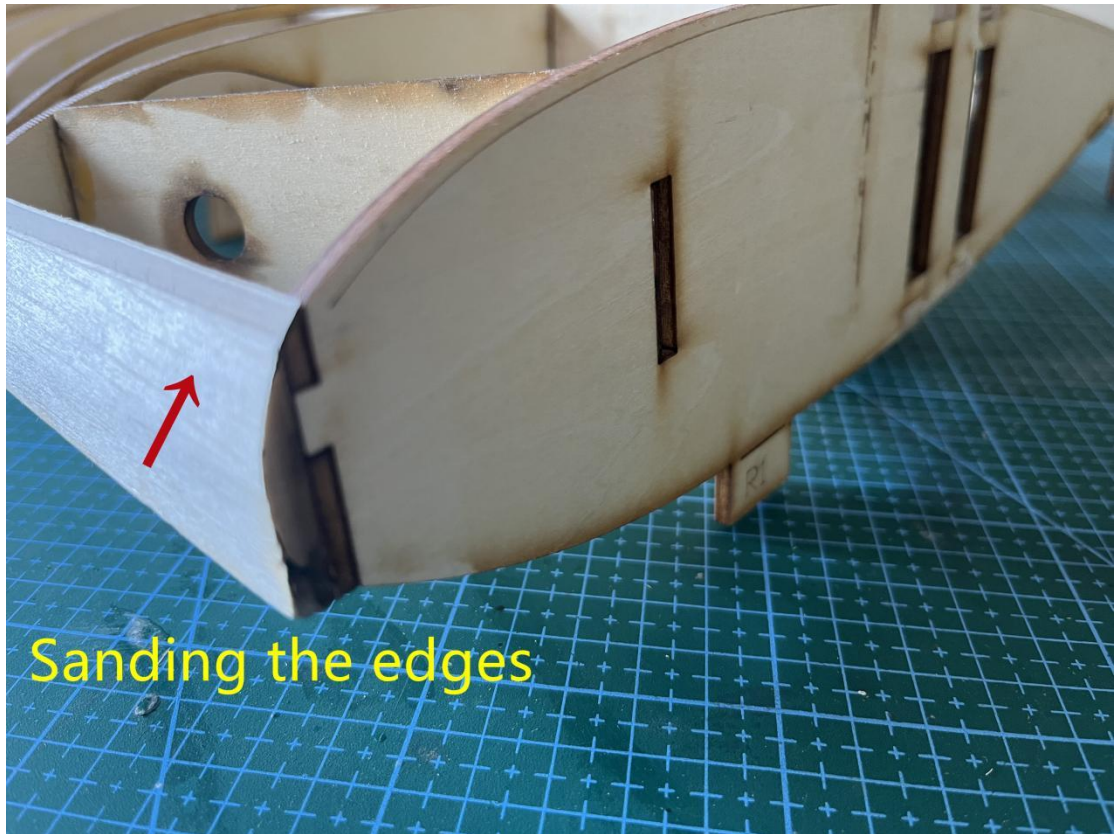
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7.28



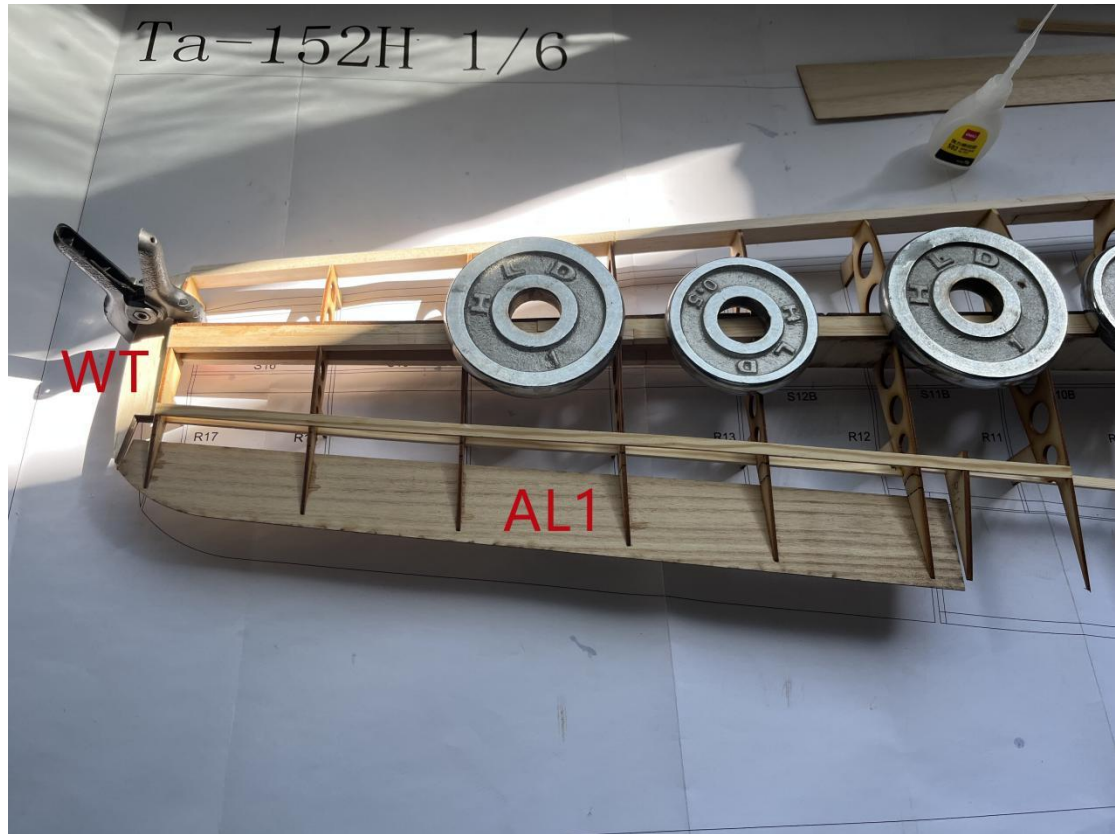
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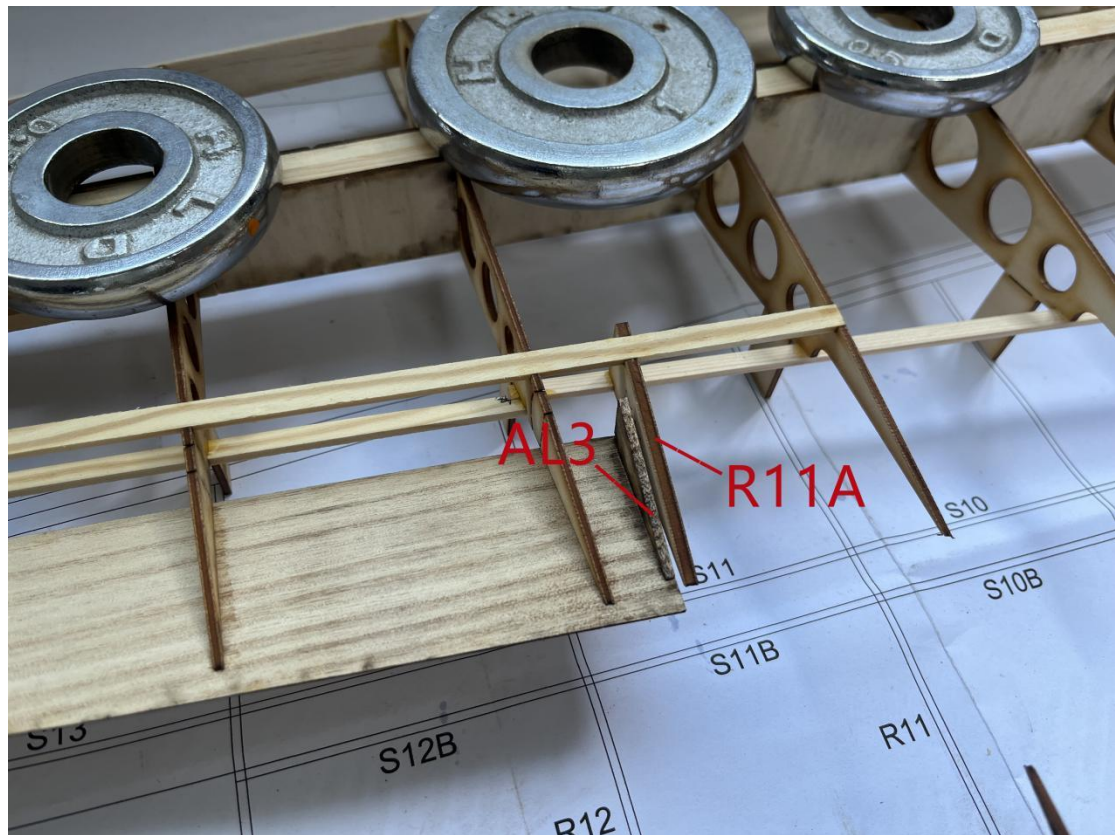
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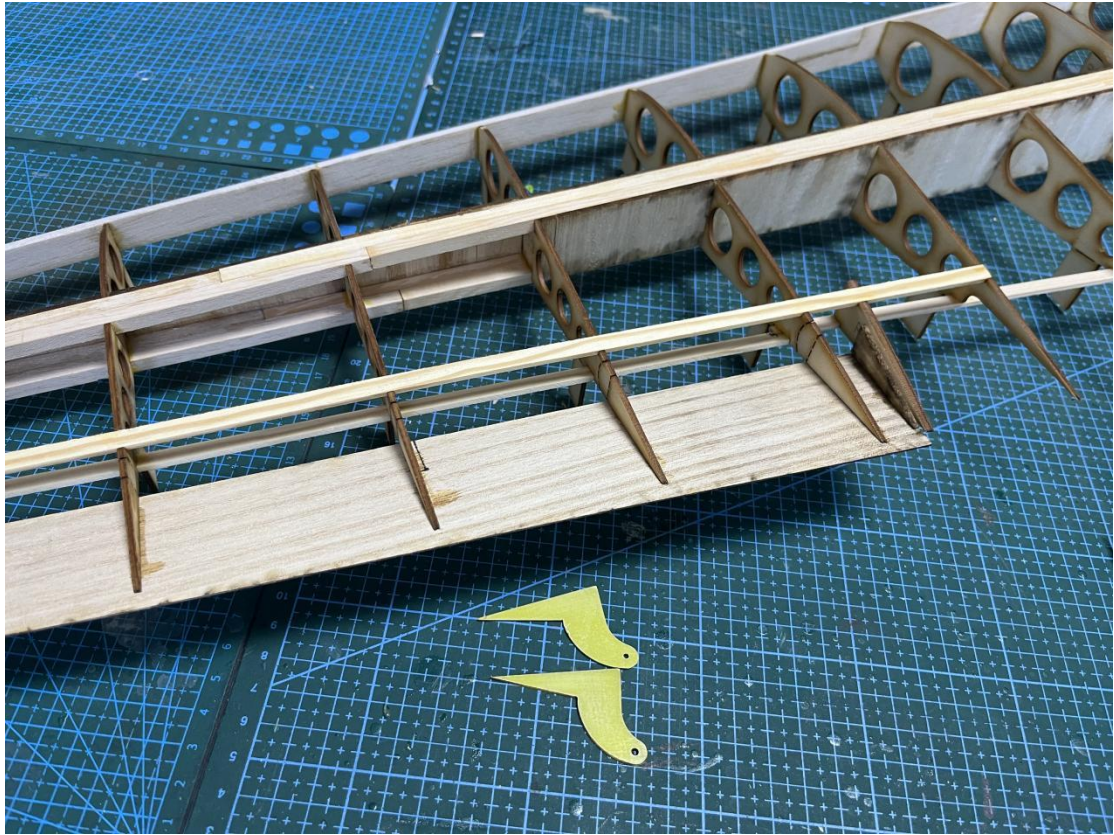
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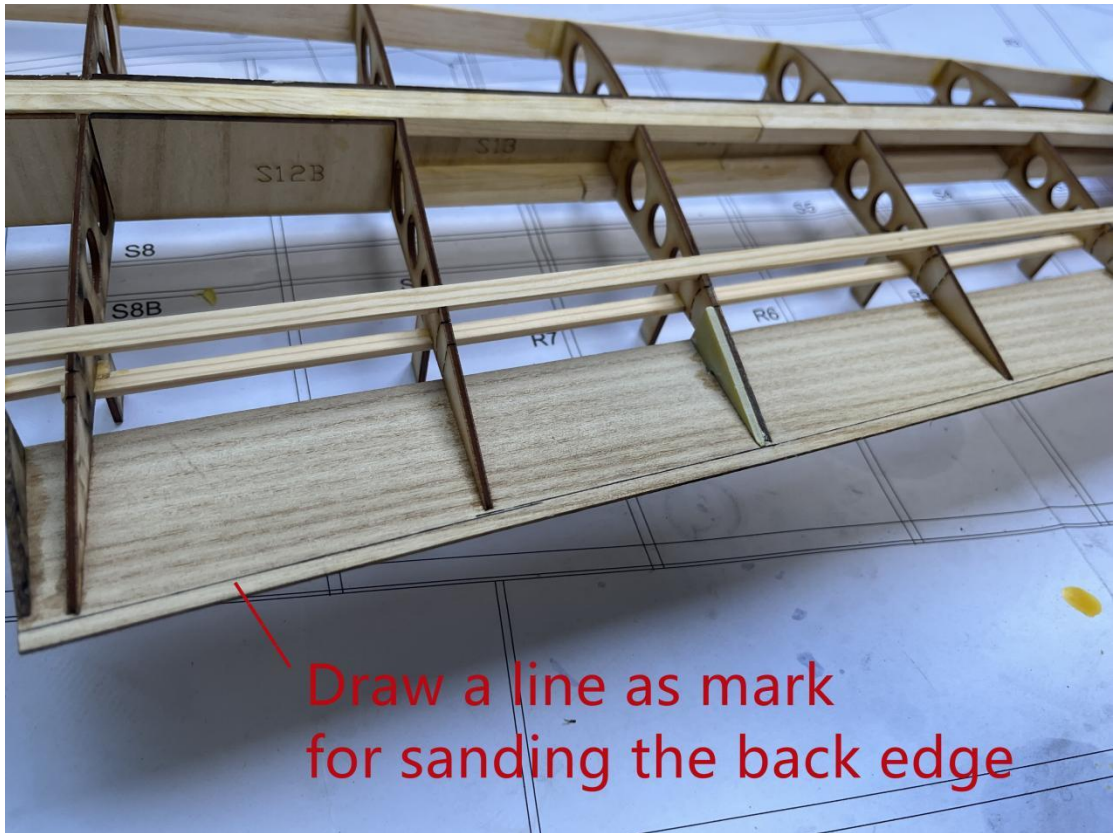
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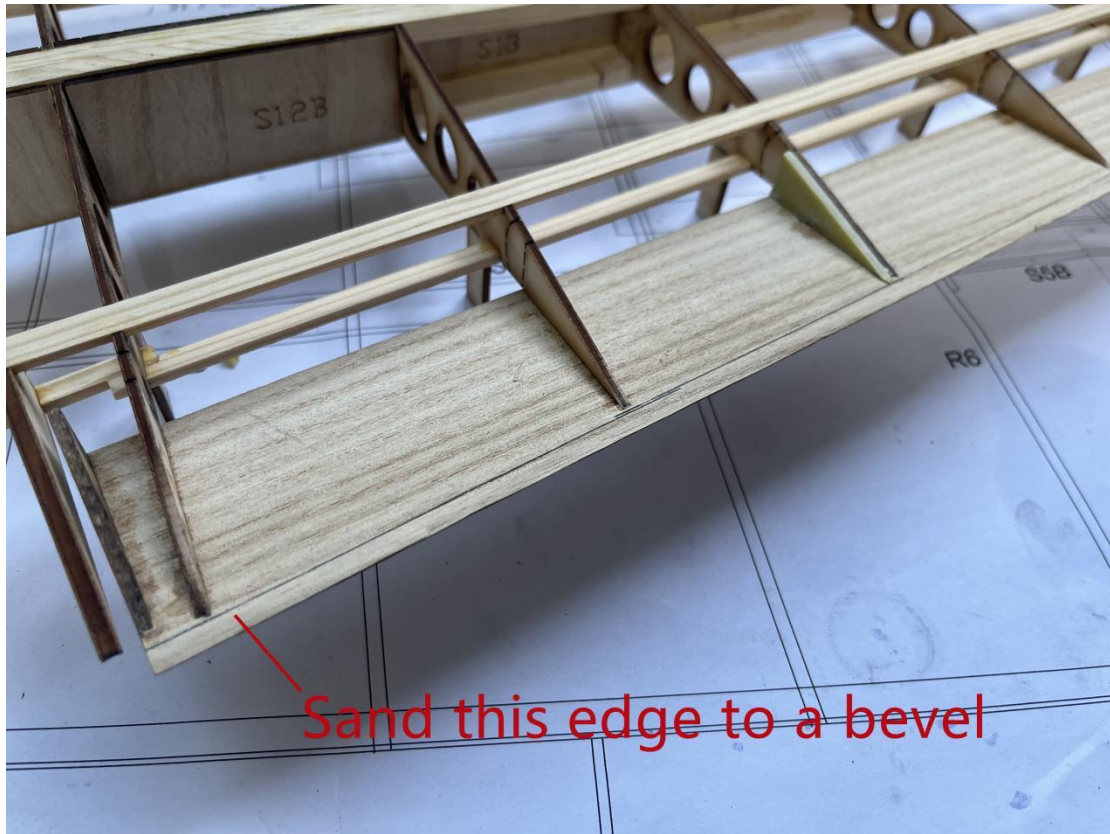
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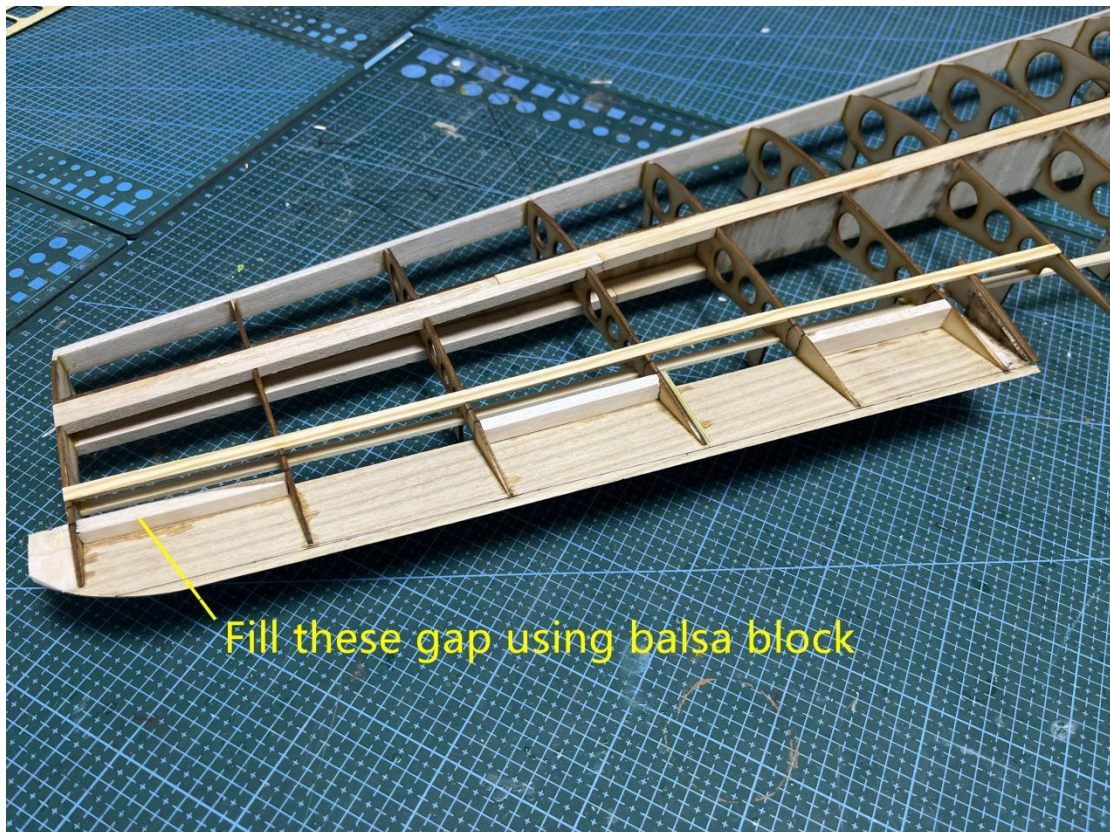
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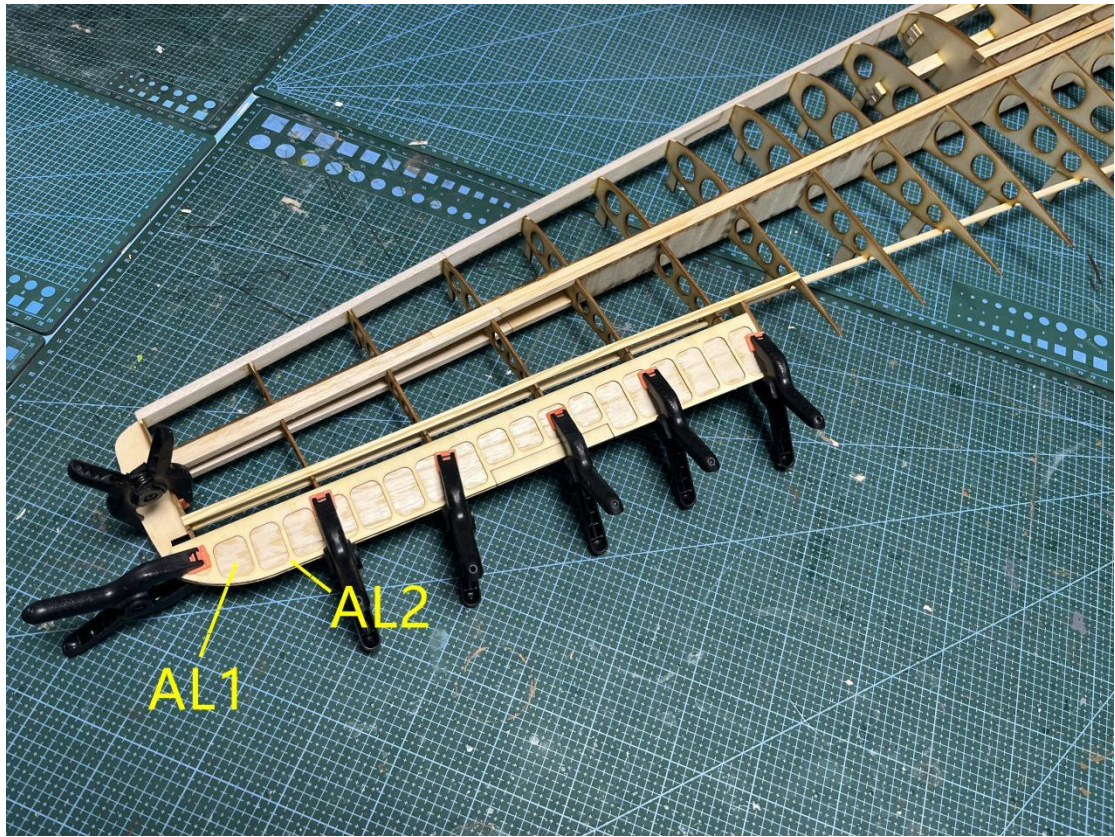
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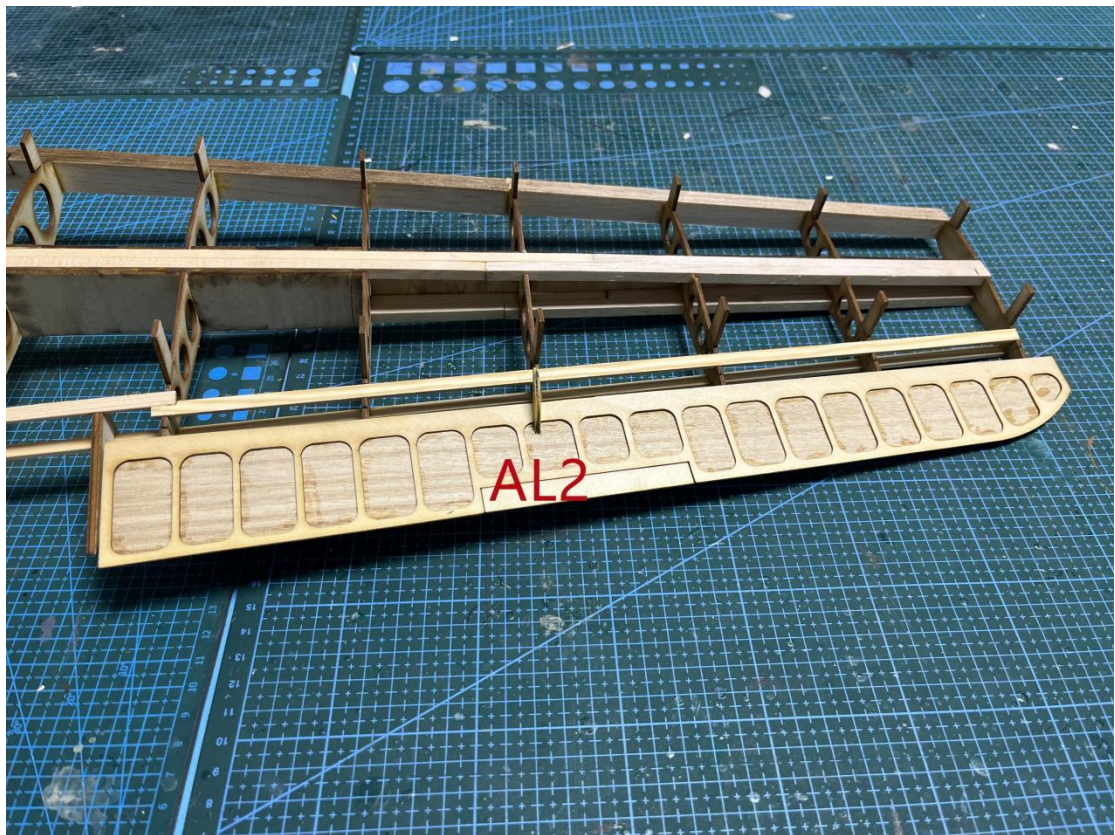
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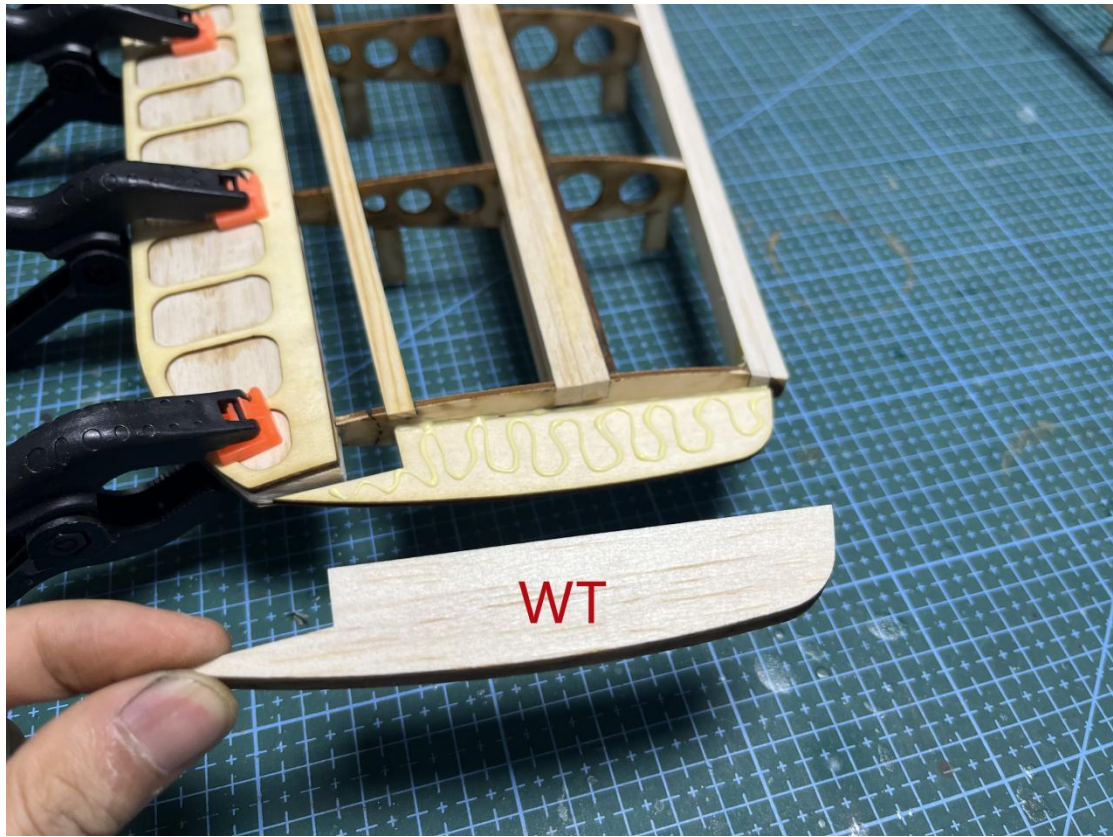
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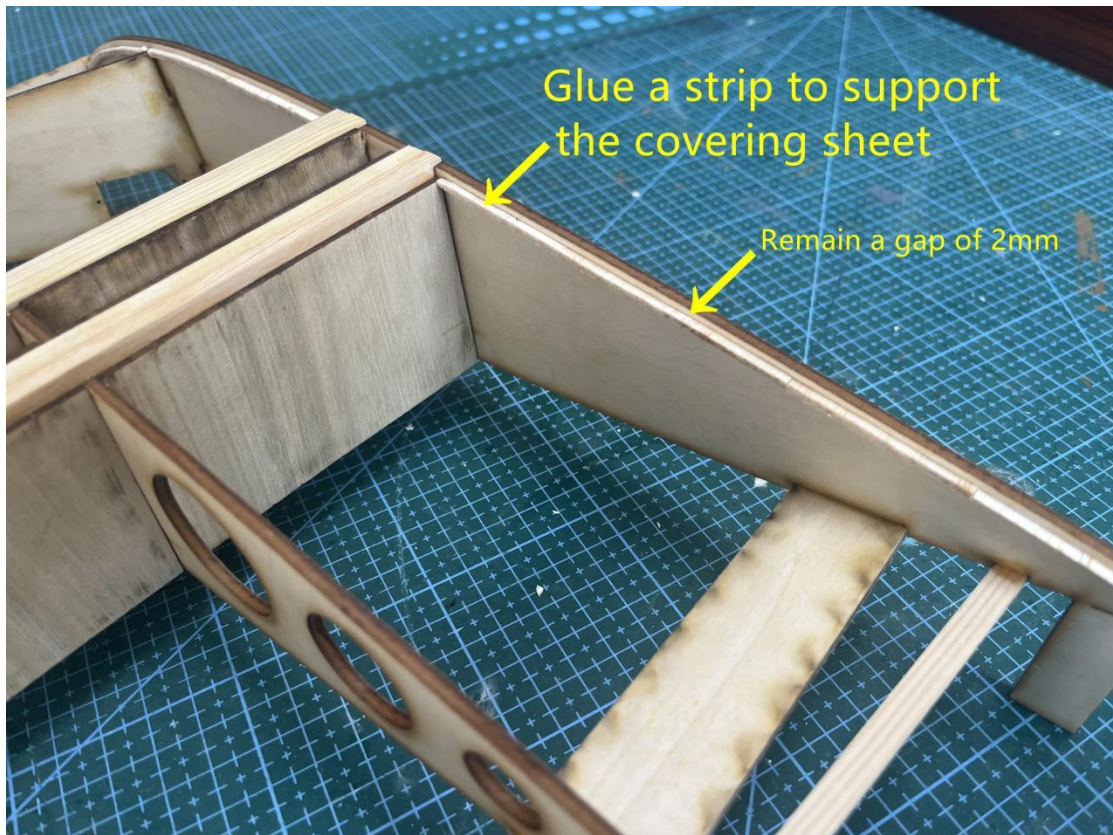
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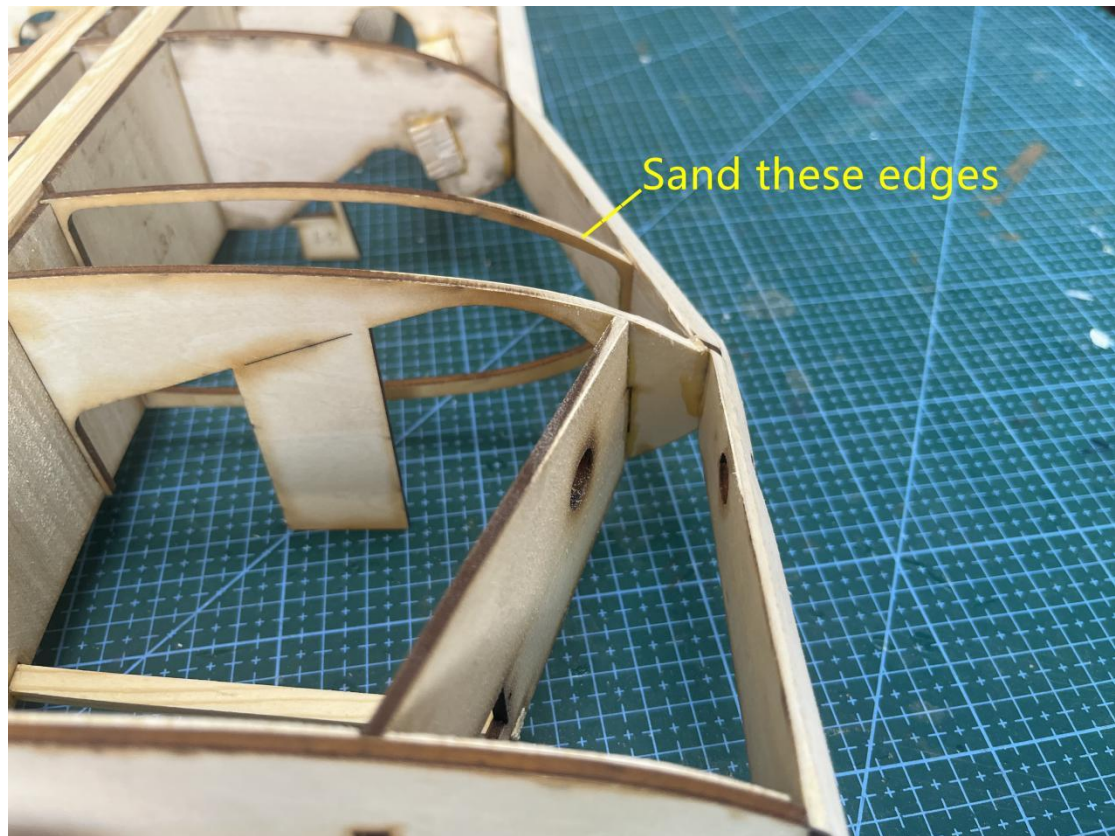
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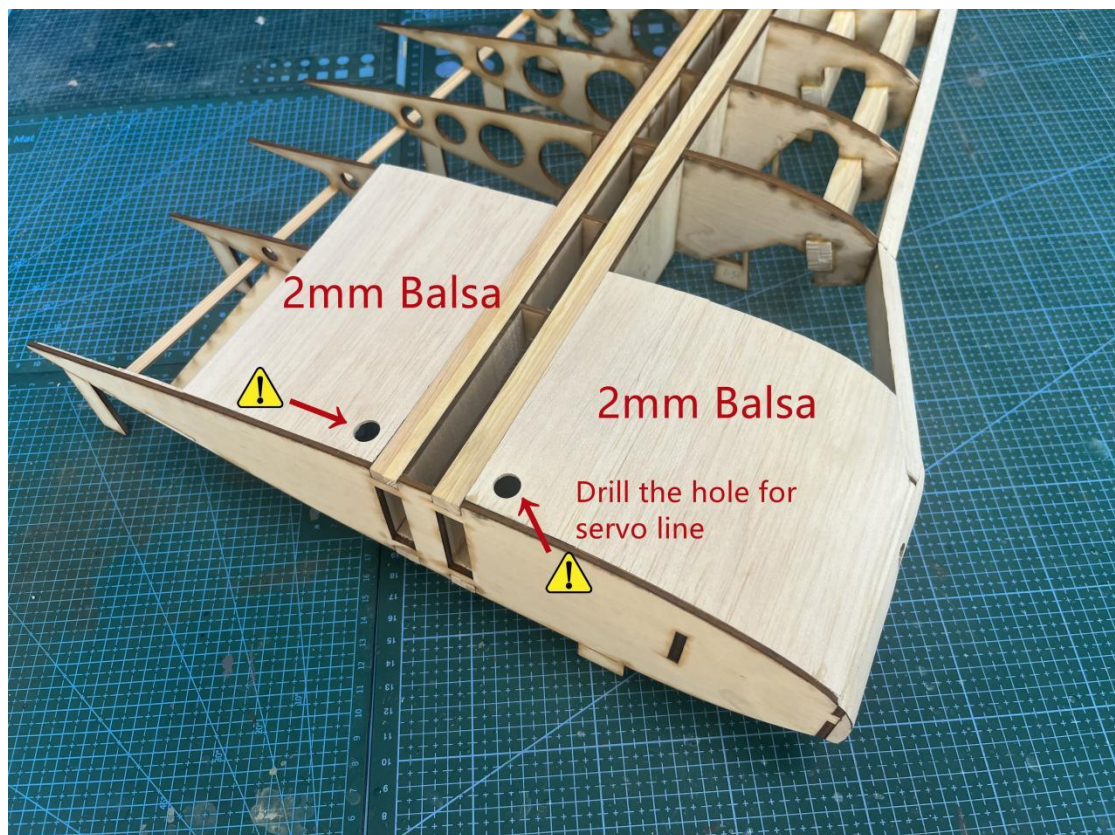
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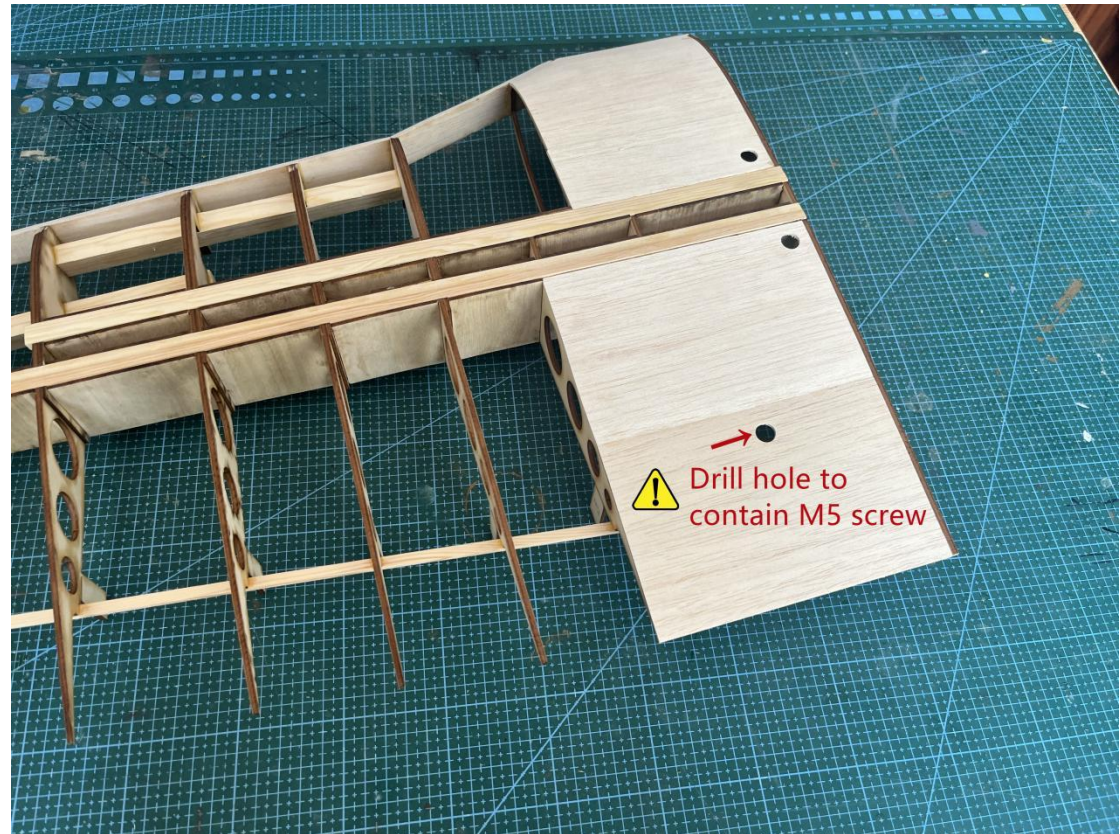
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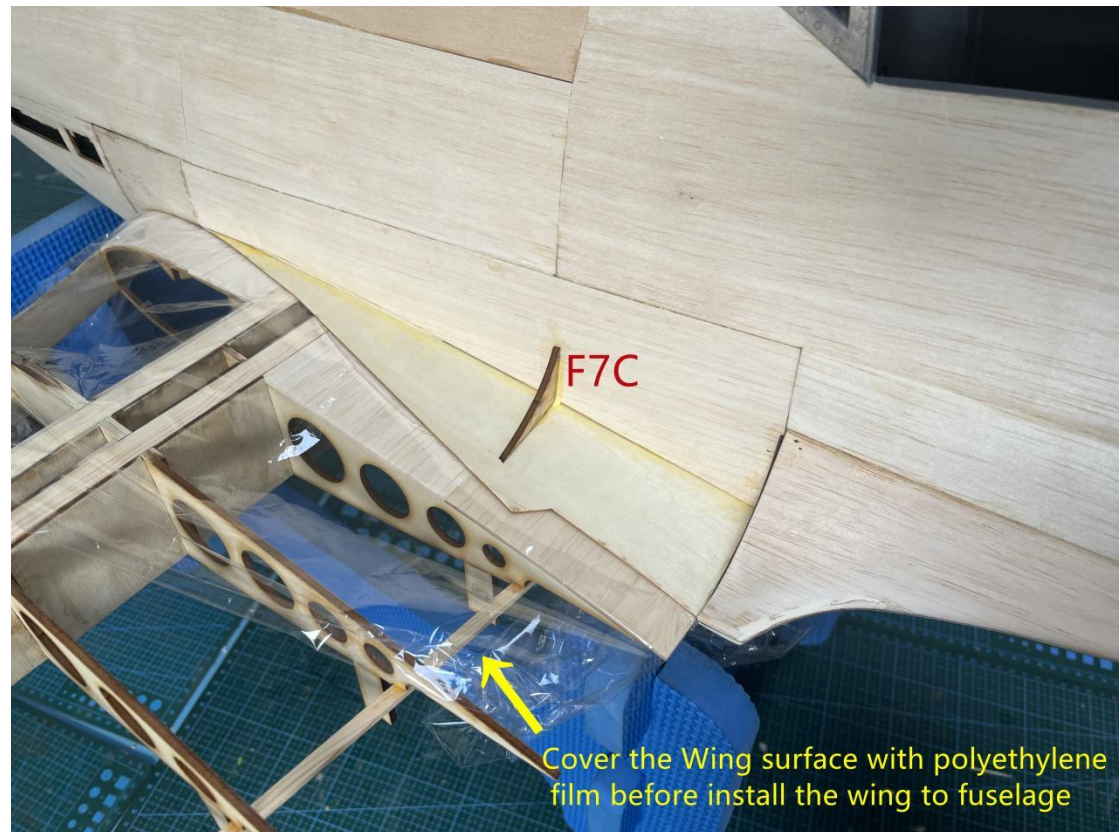
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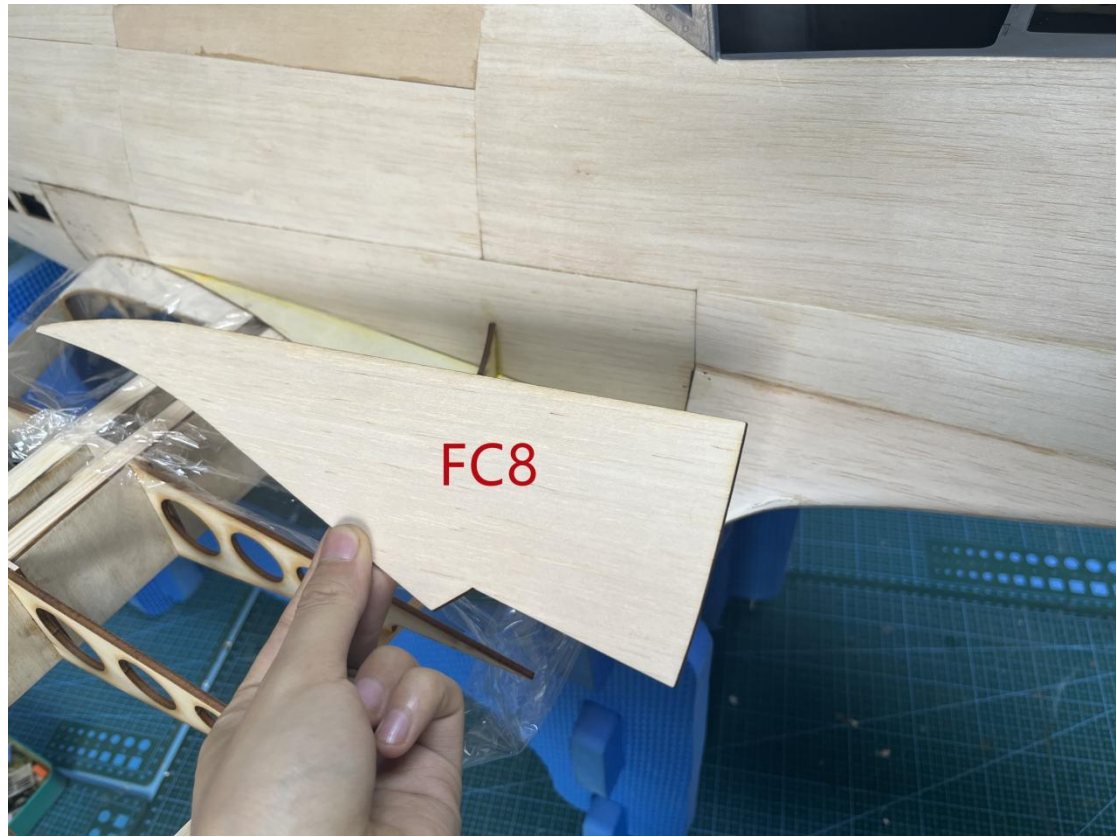
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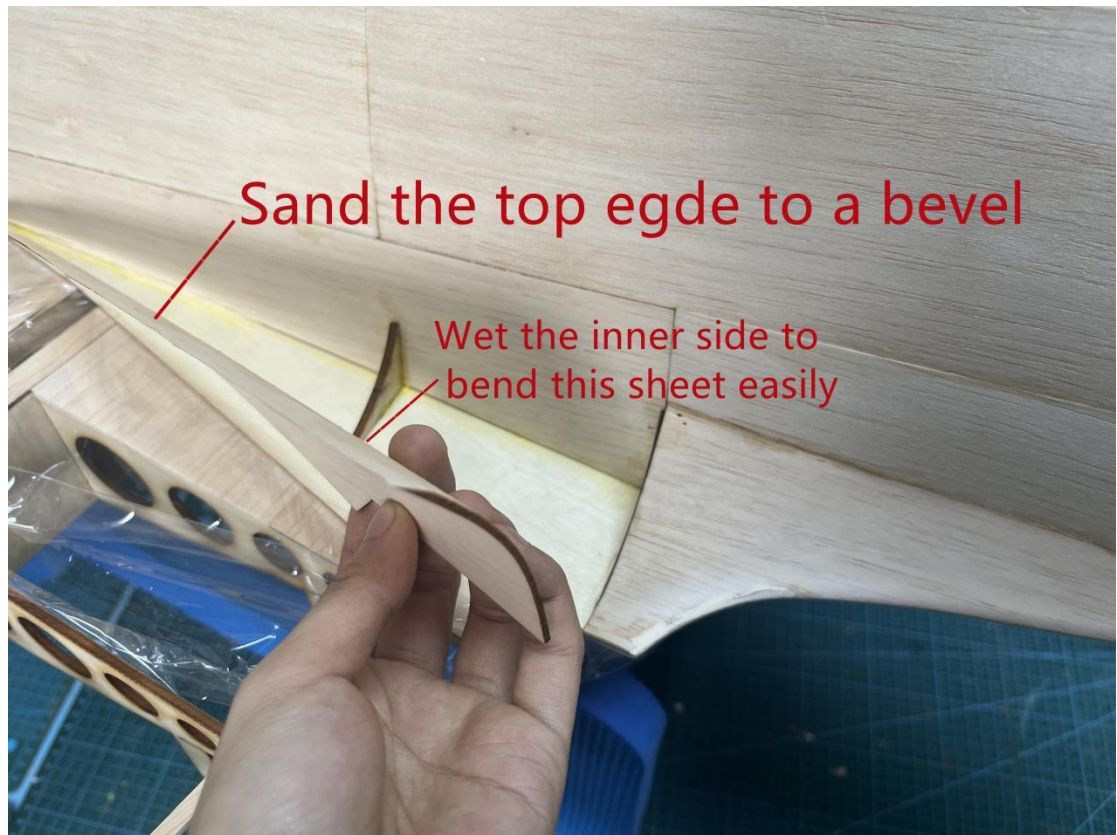
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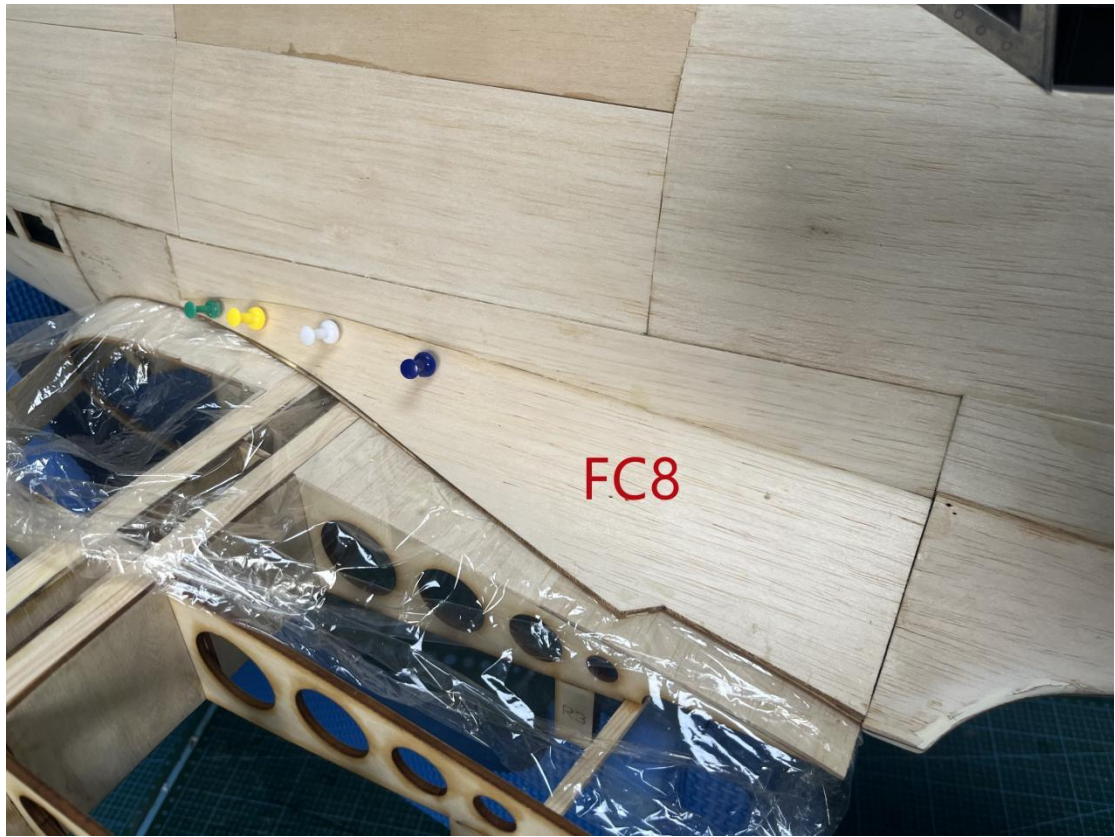
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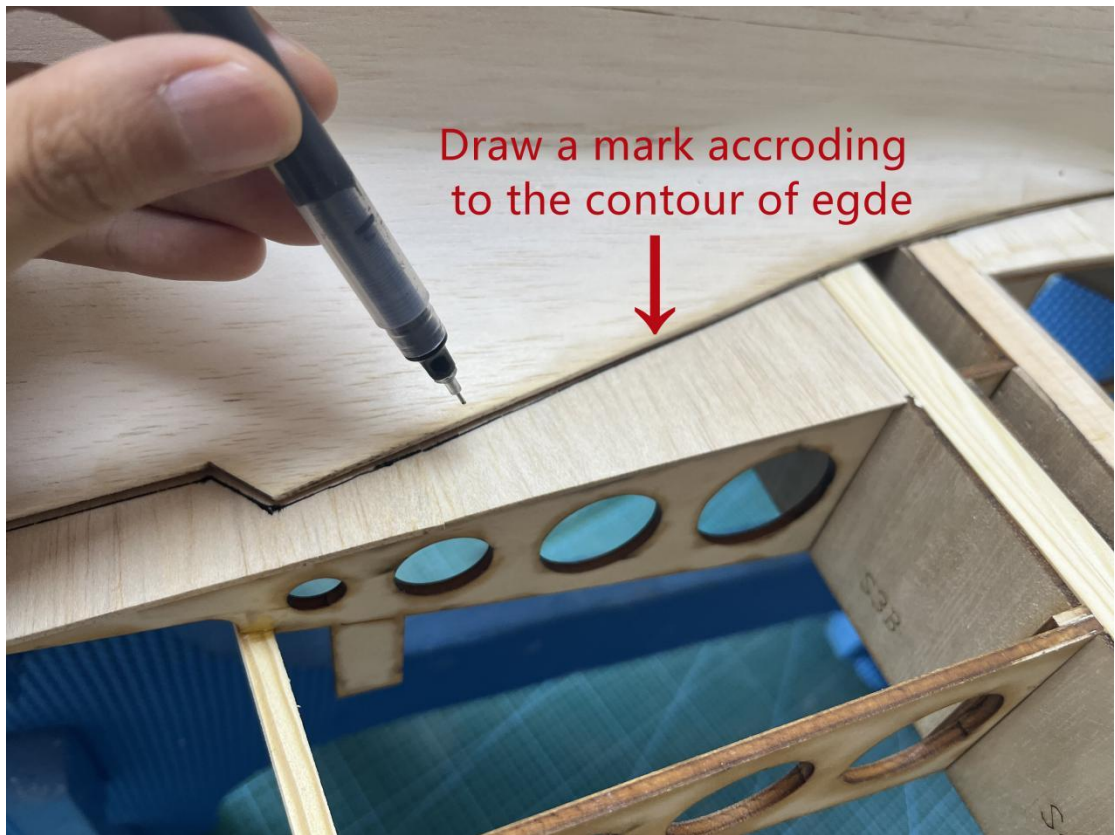
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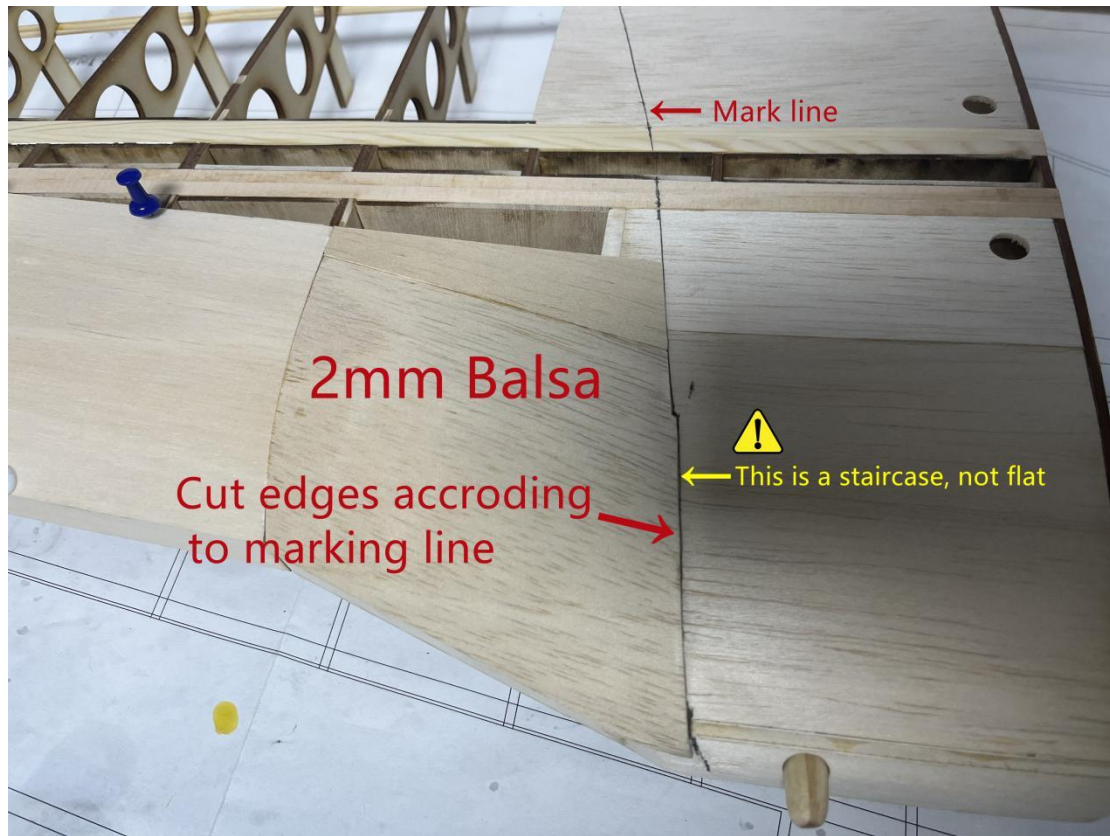
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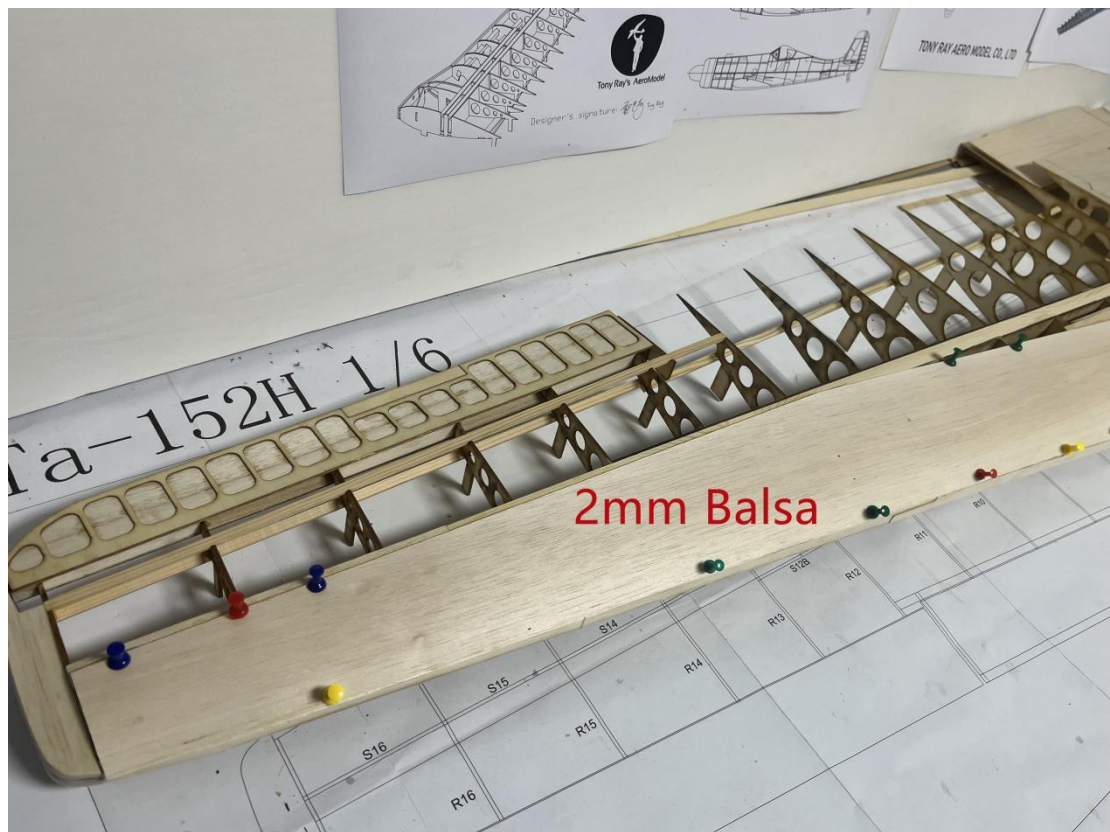
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7.49



7.50



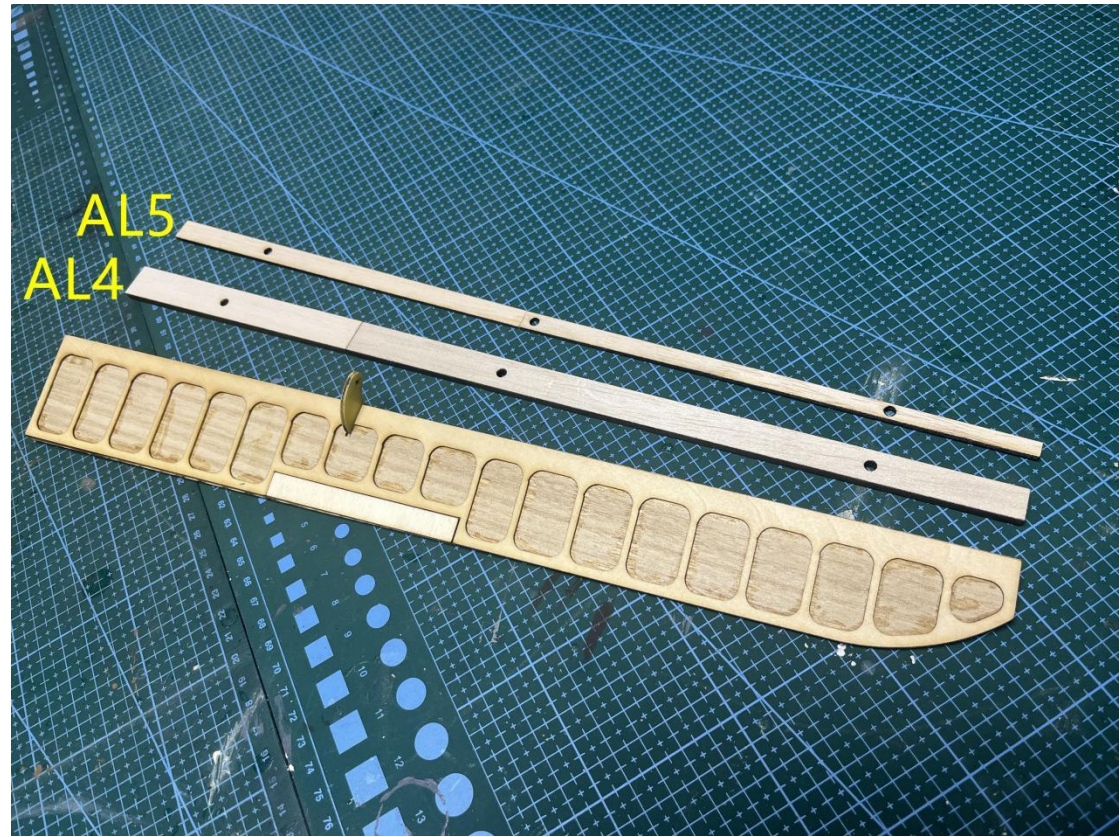
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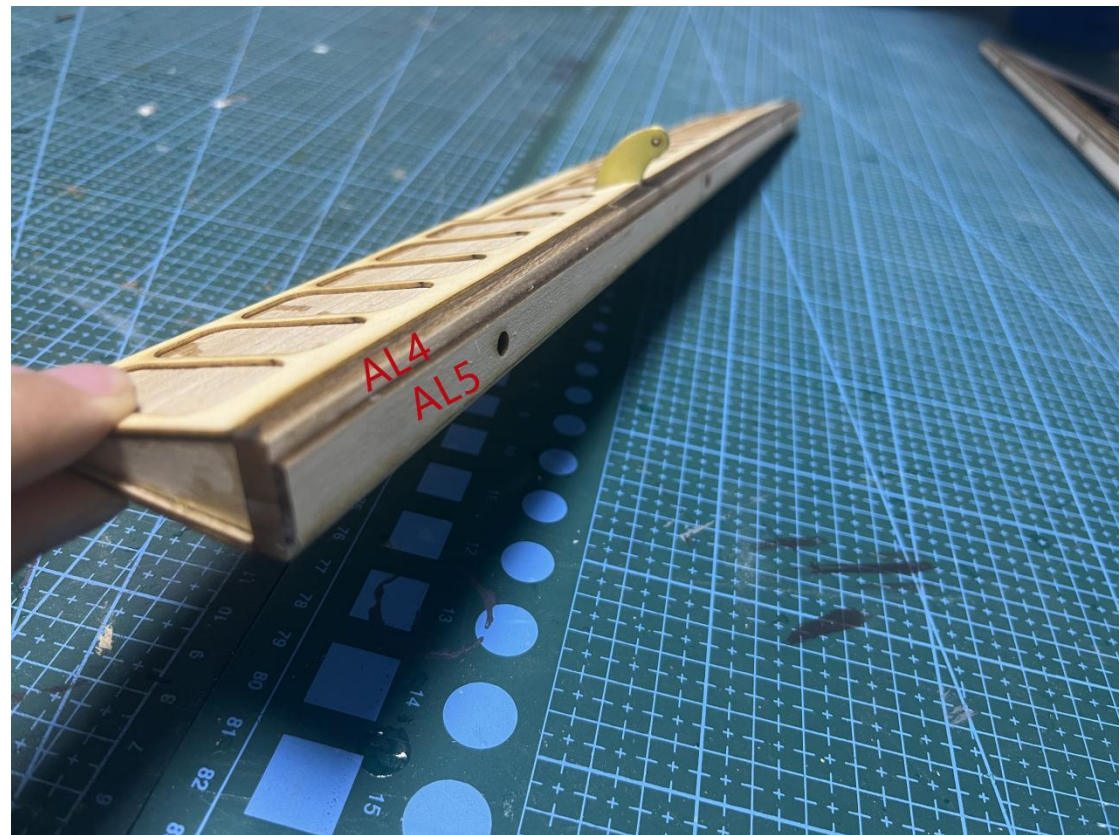
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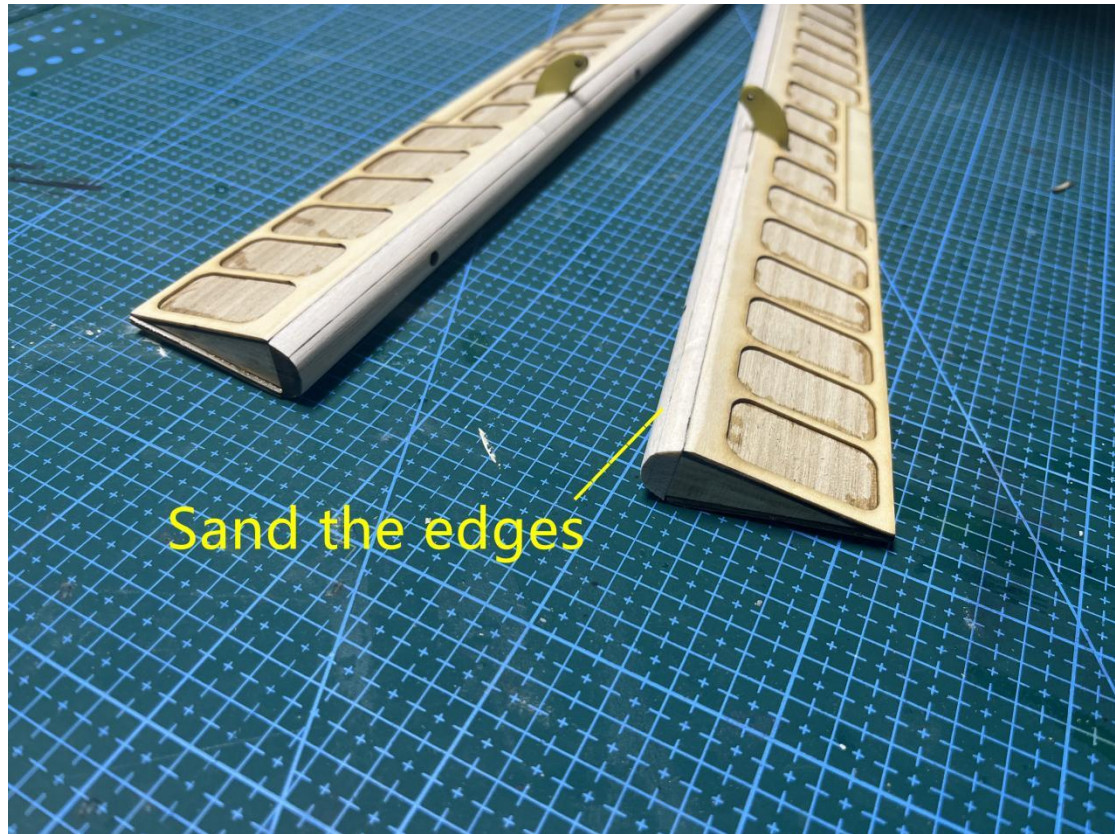
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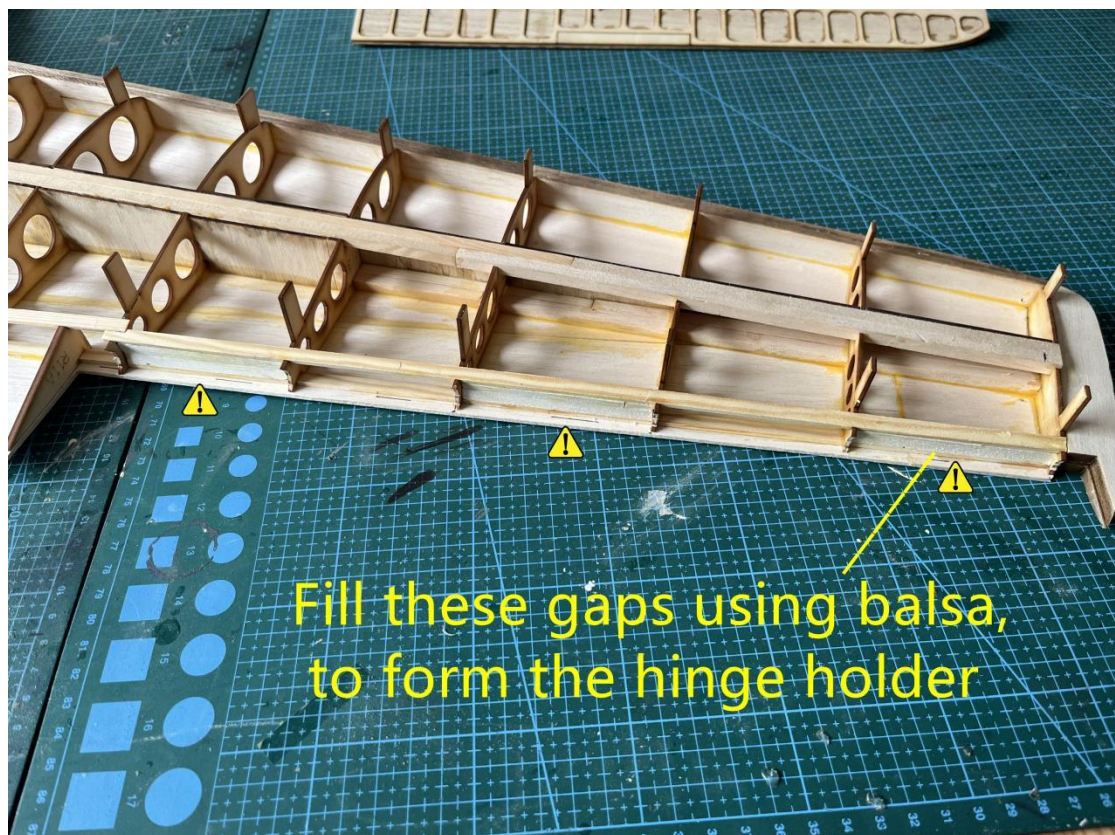
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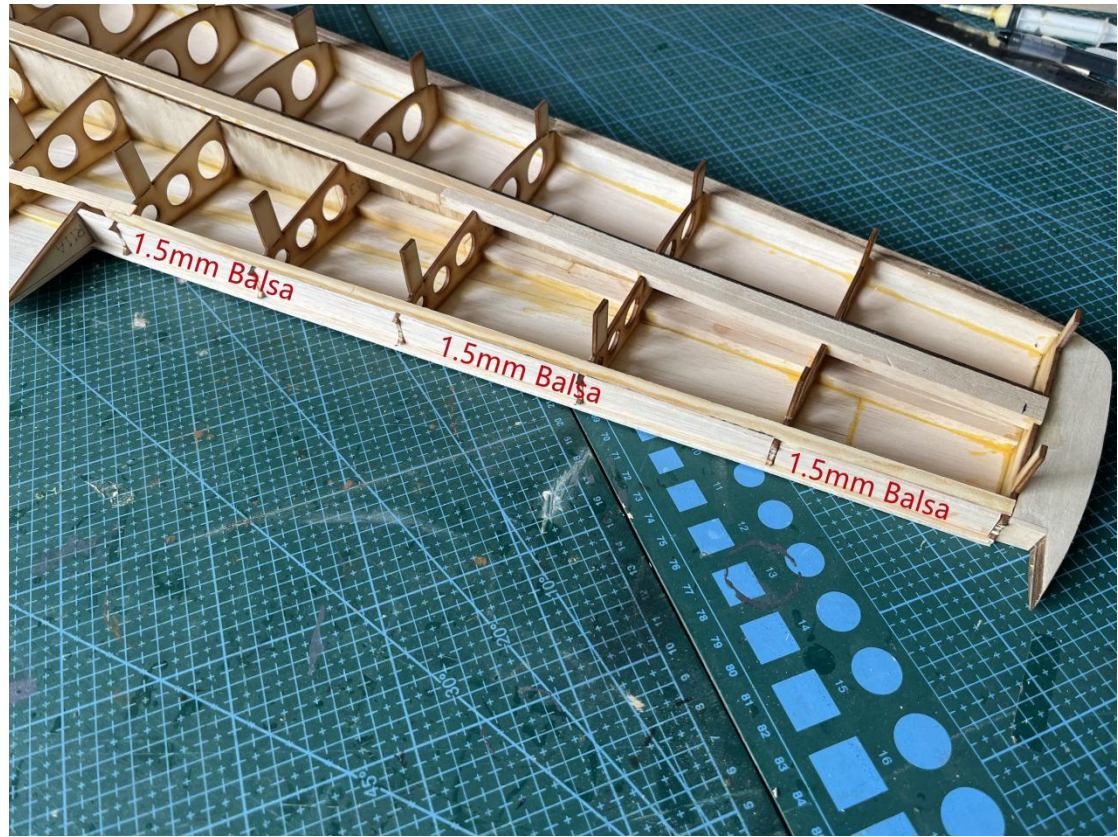
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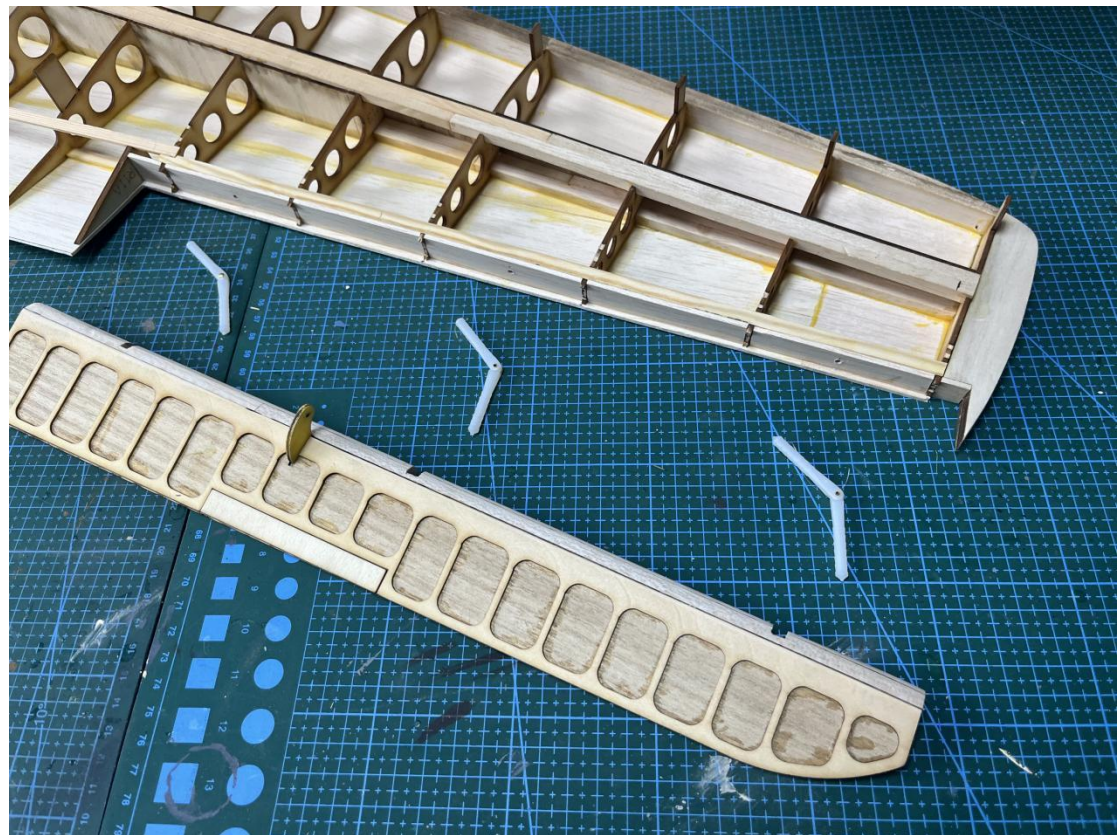
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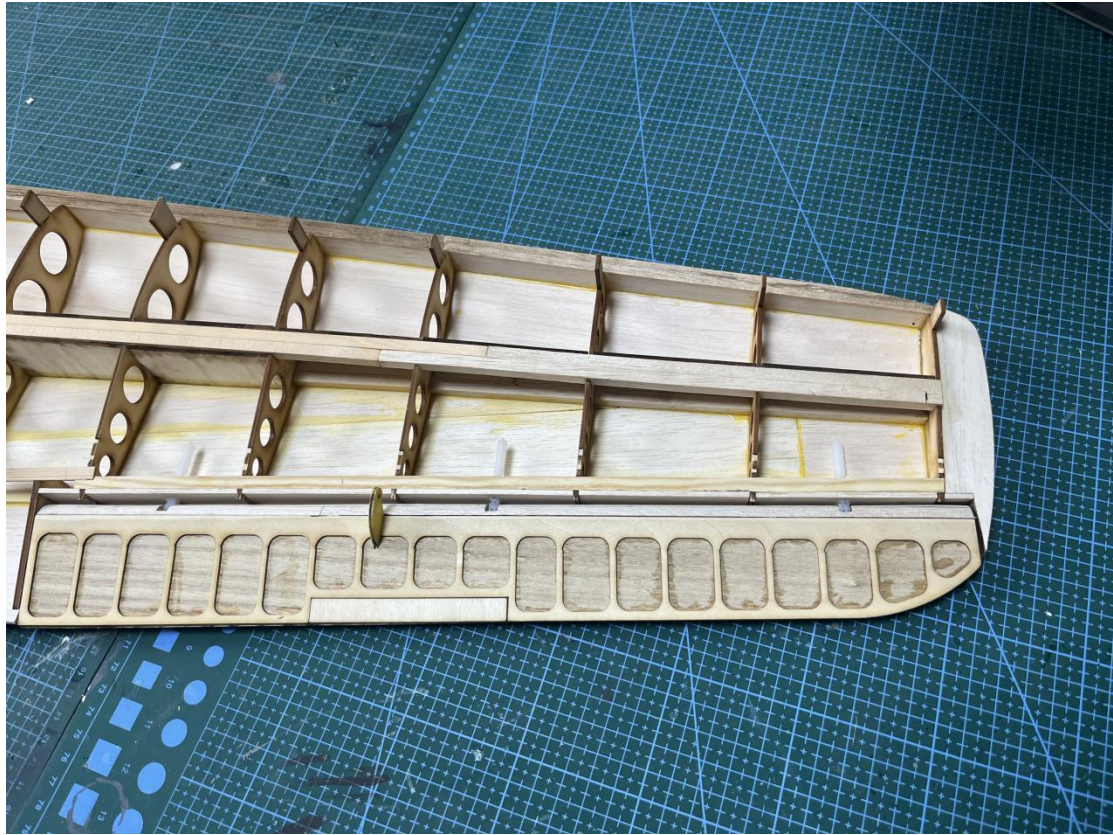
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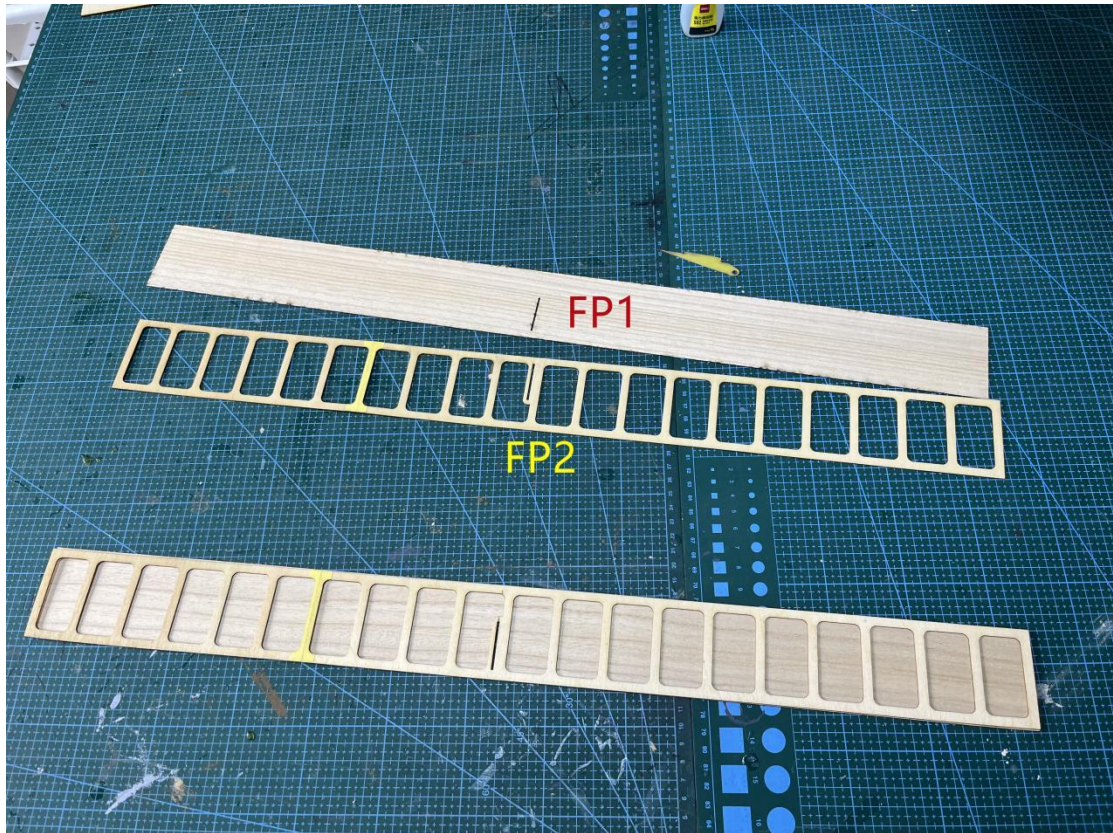
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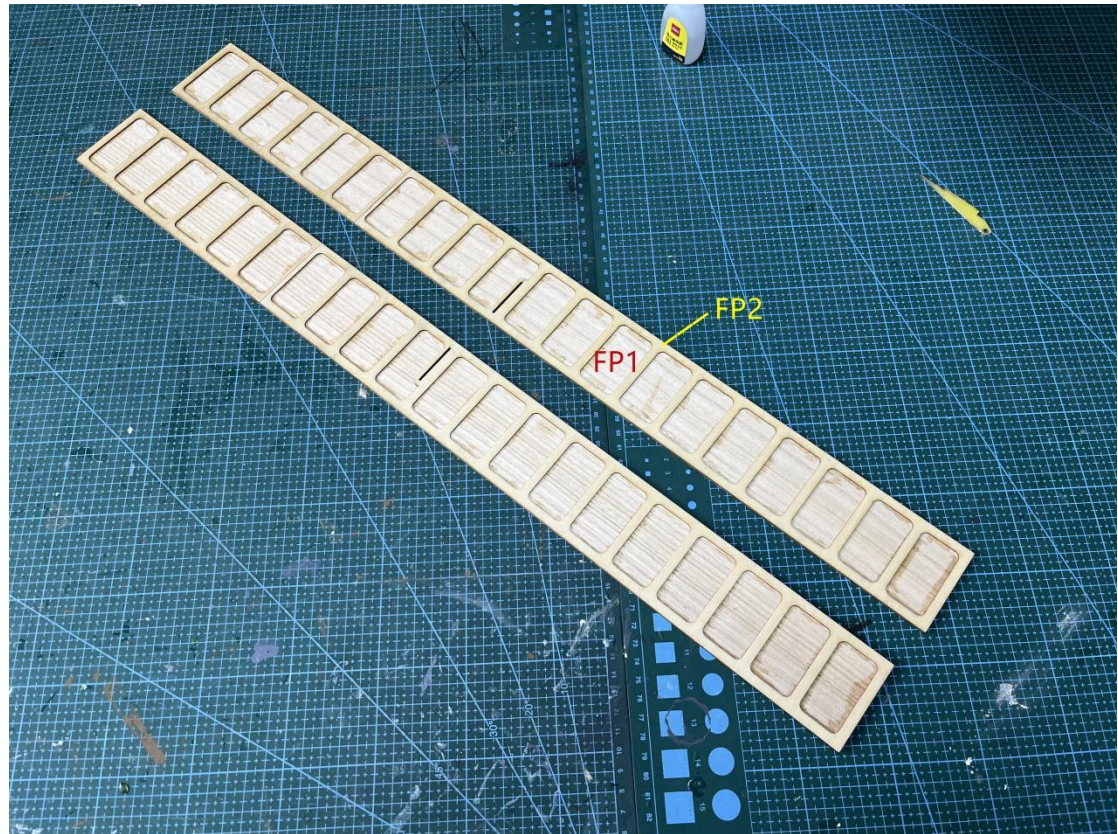
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7.60



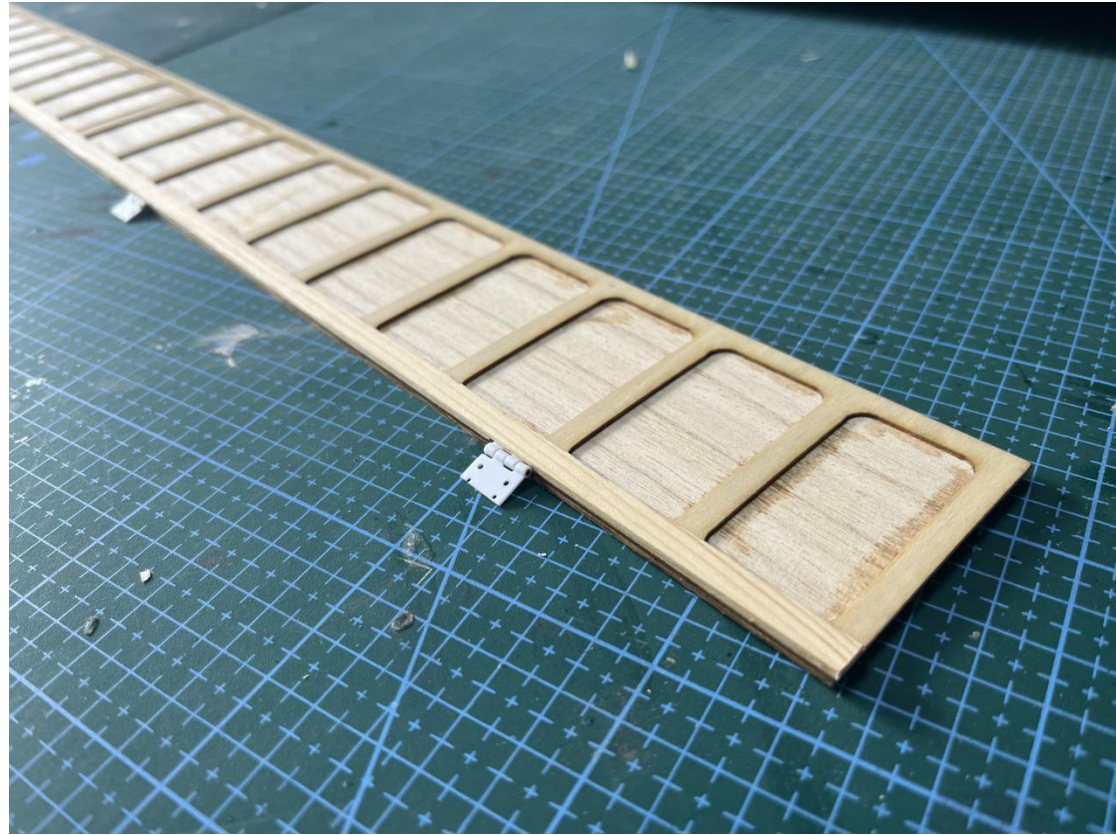
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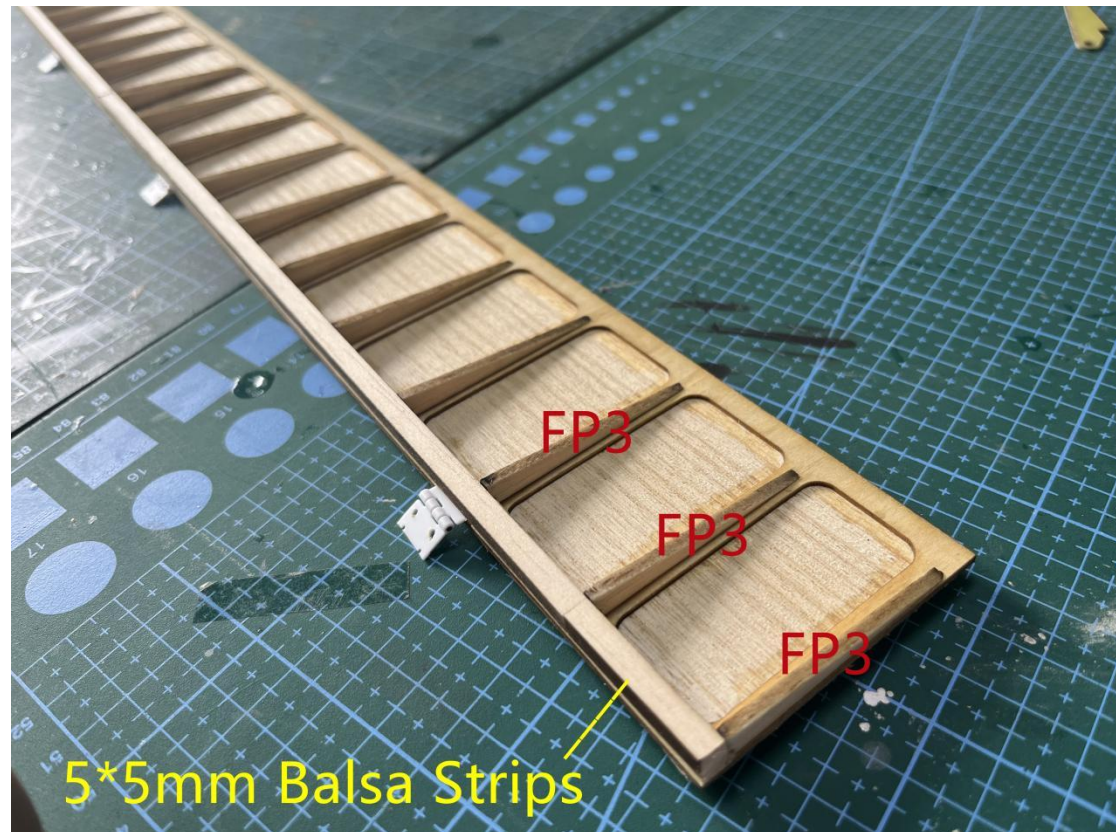
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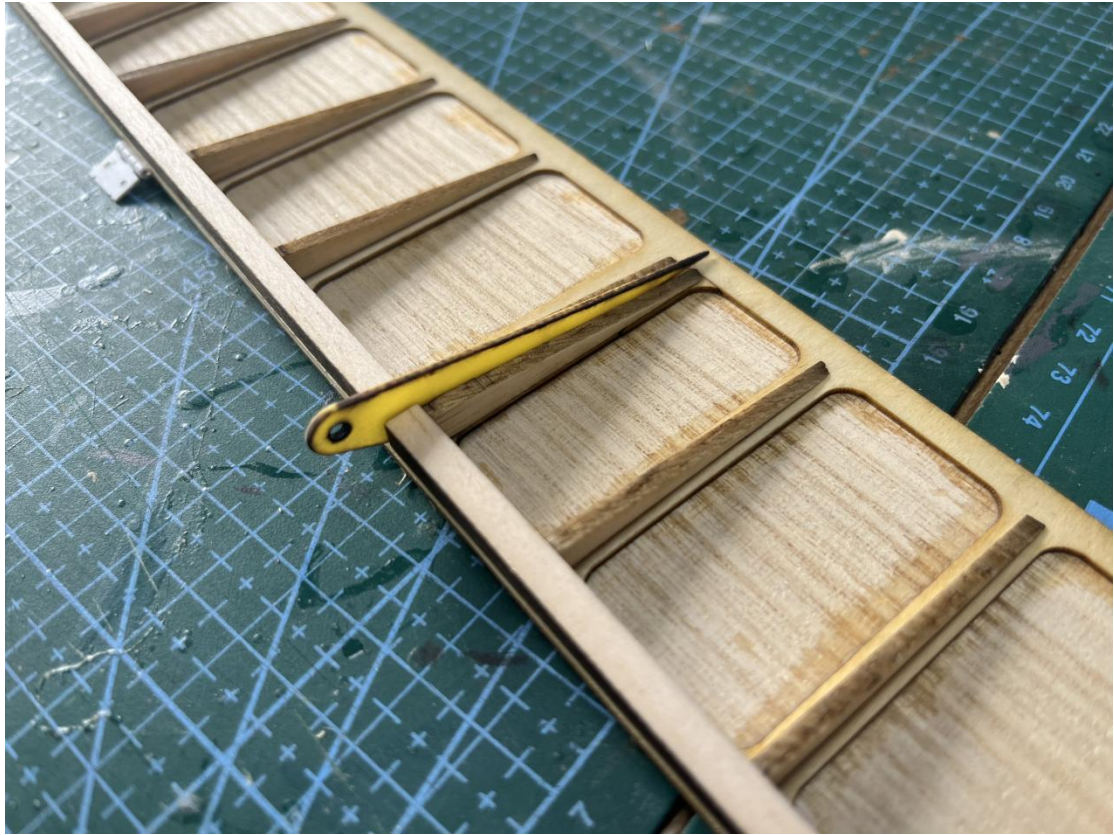
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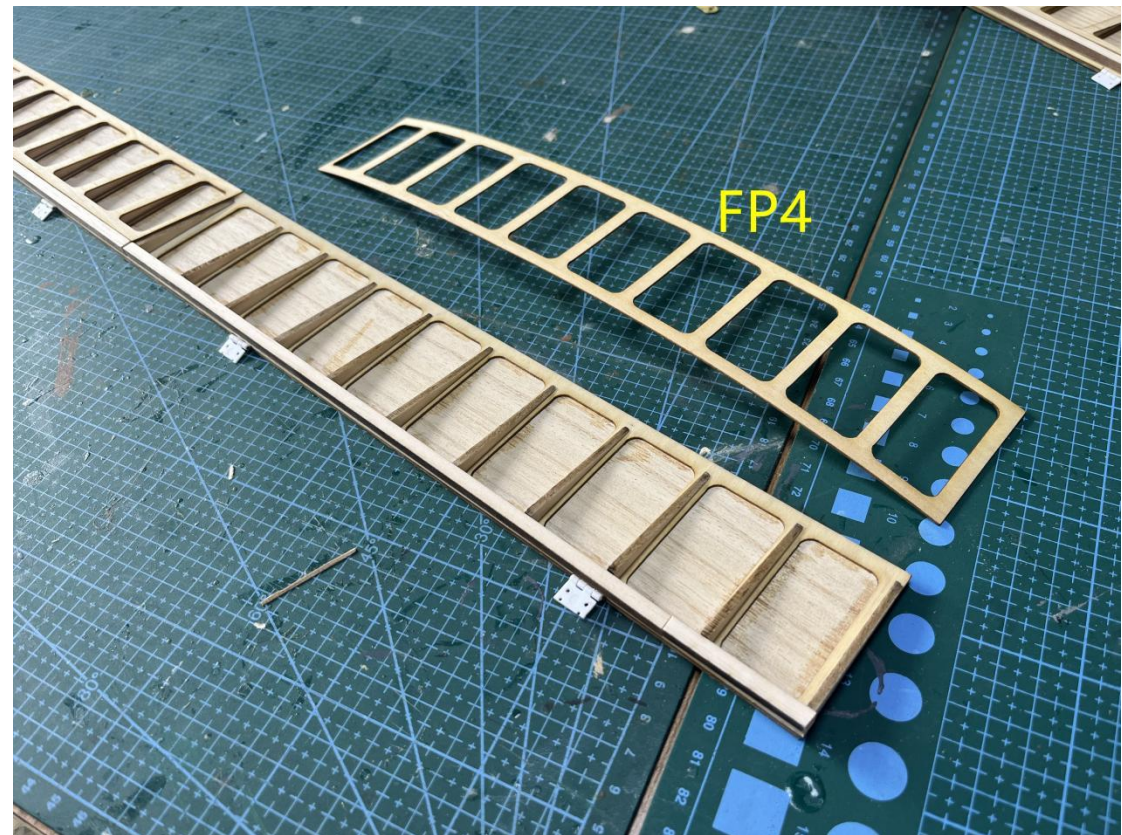
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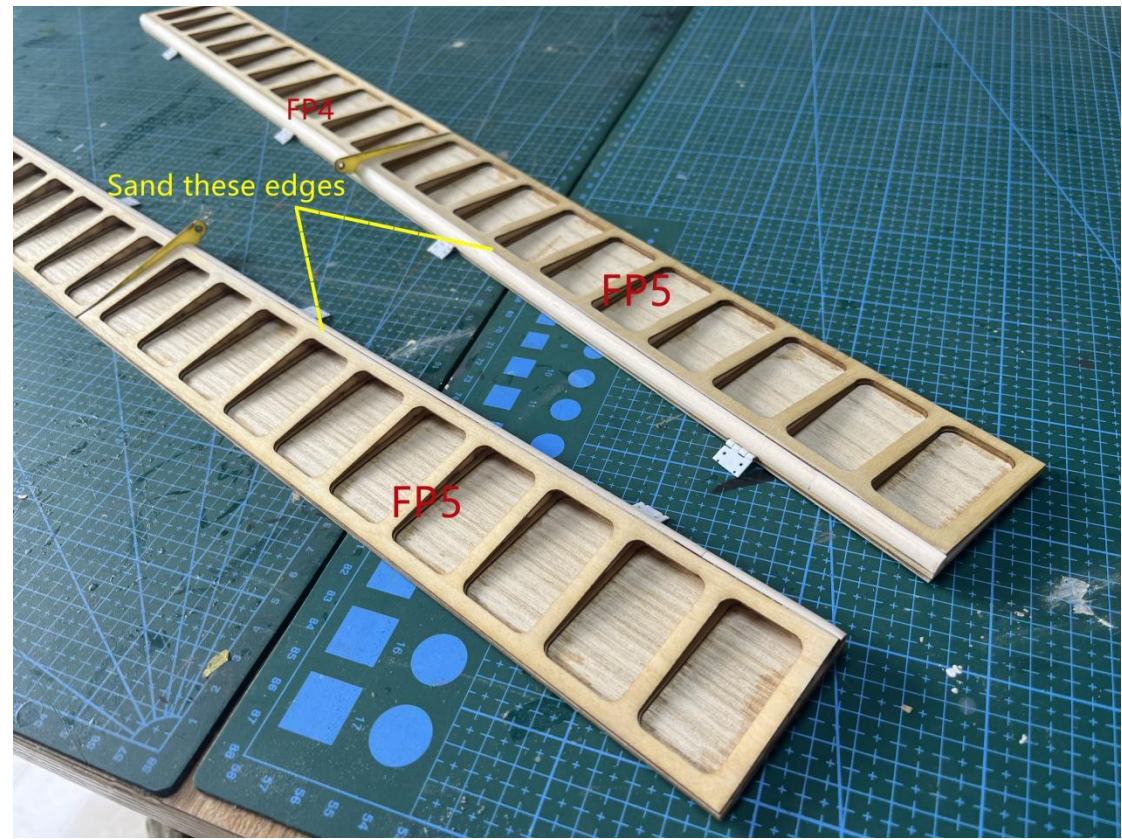
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7.66



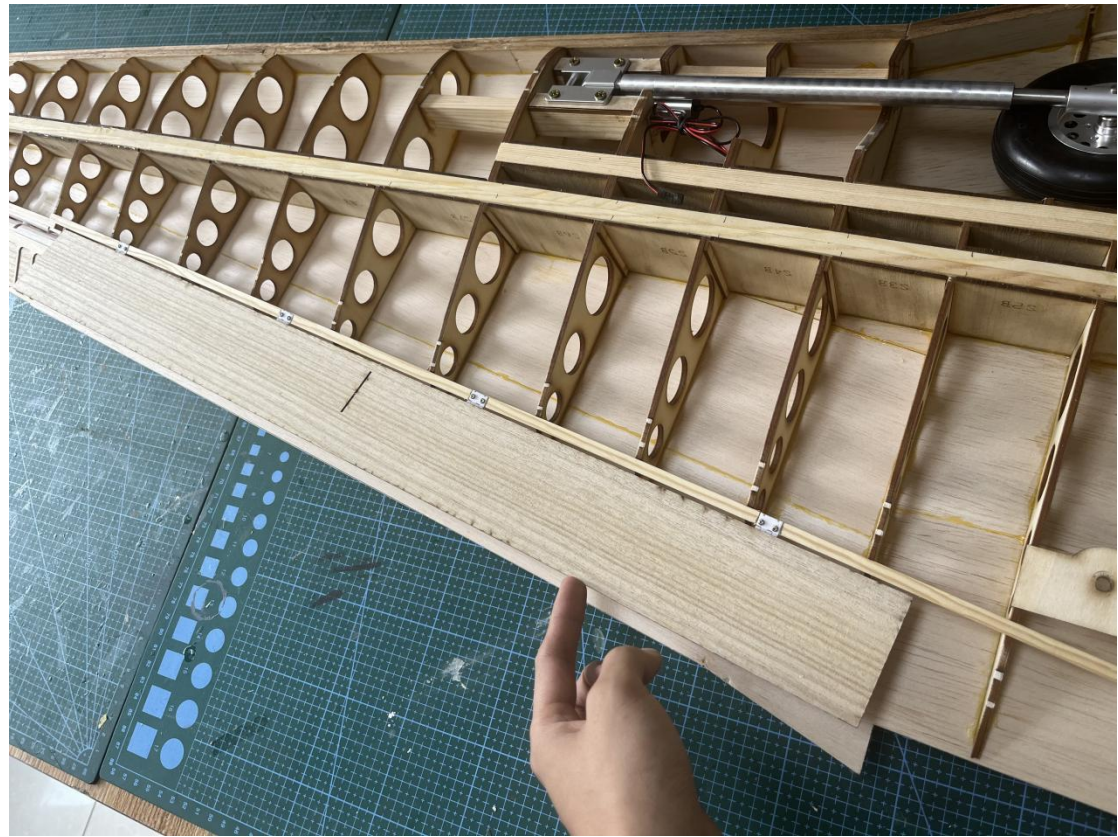
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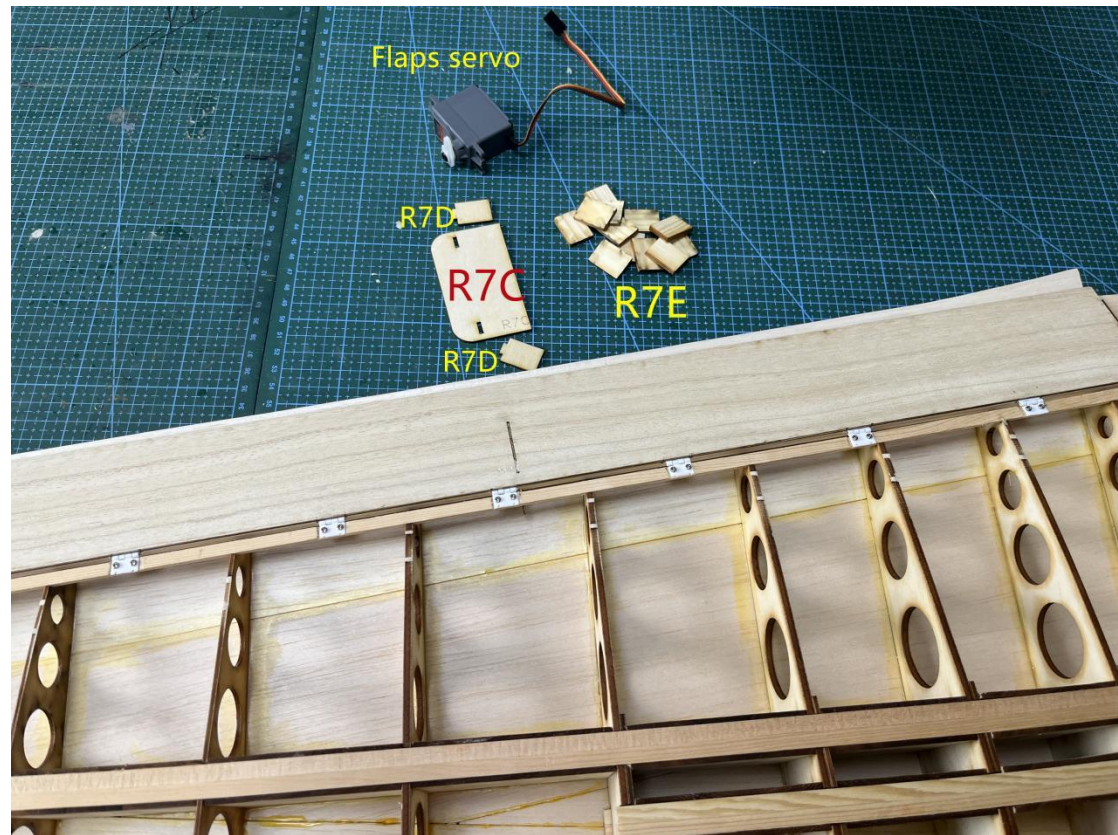
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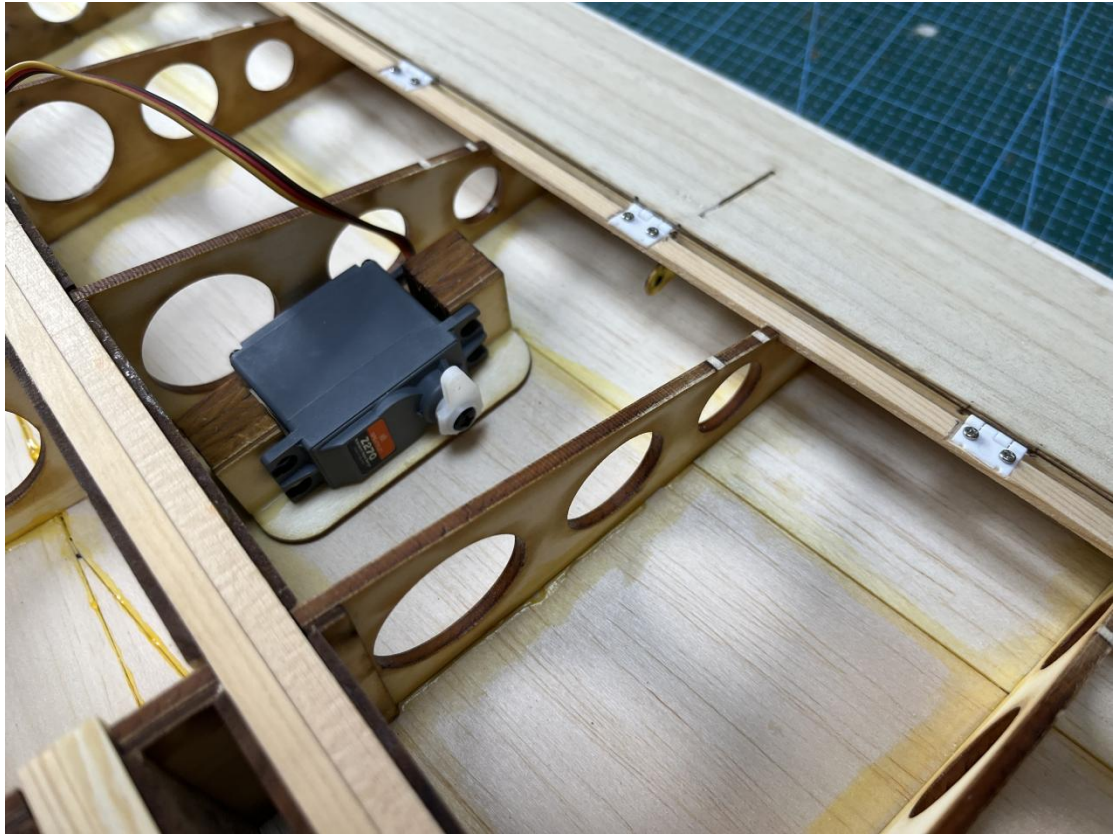
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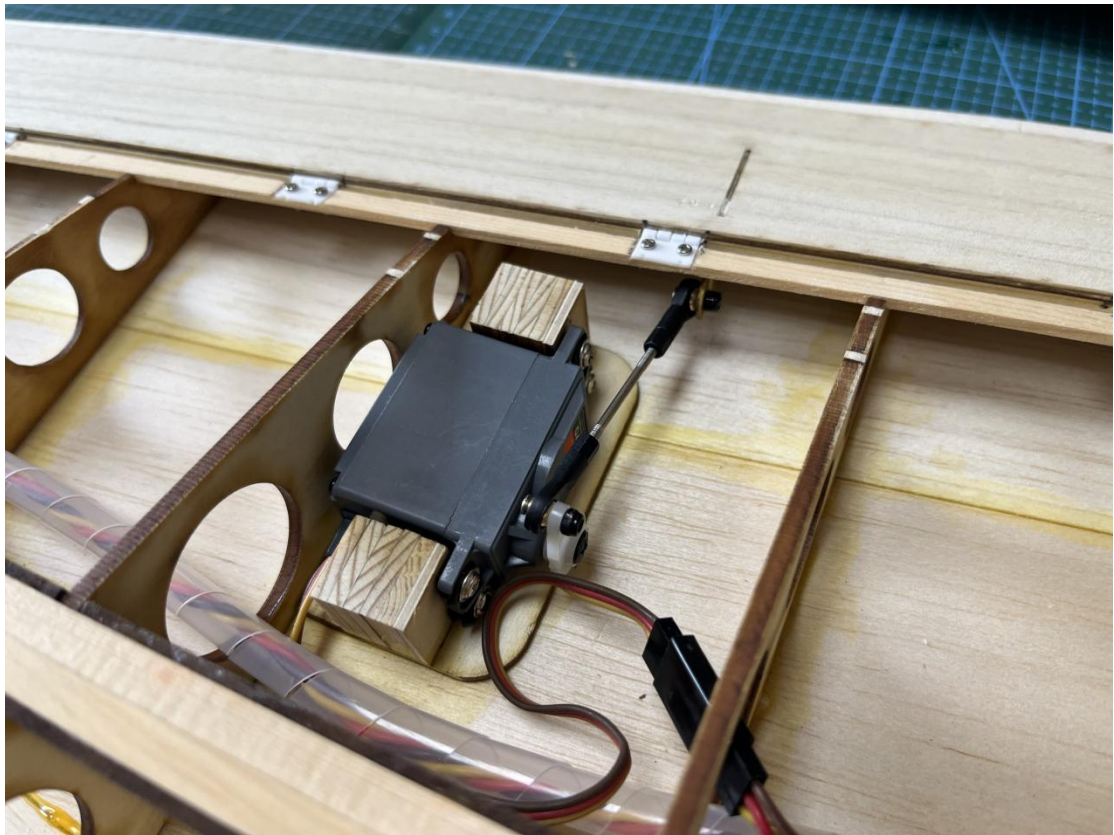
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7.71



7.72



7.73



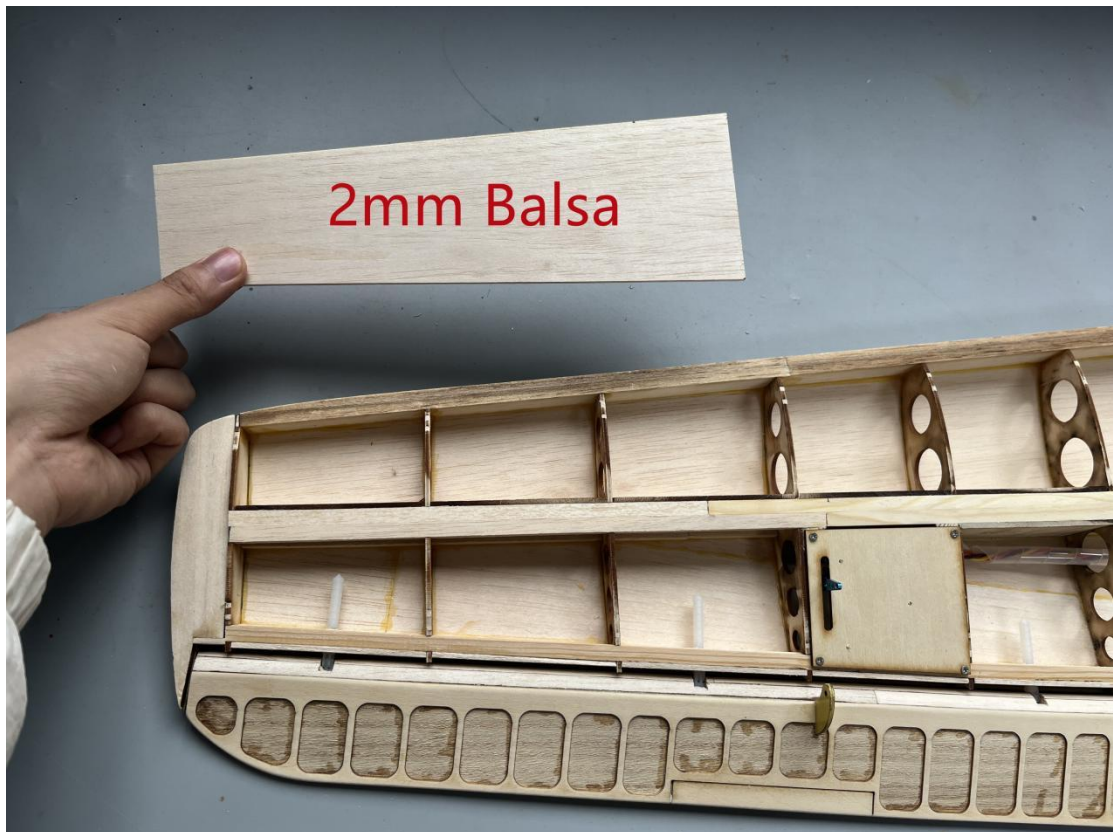
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7.75



7.76



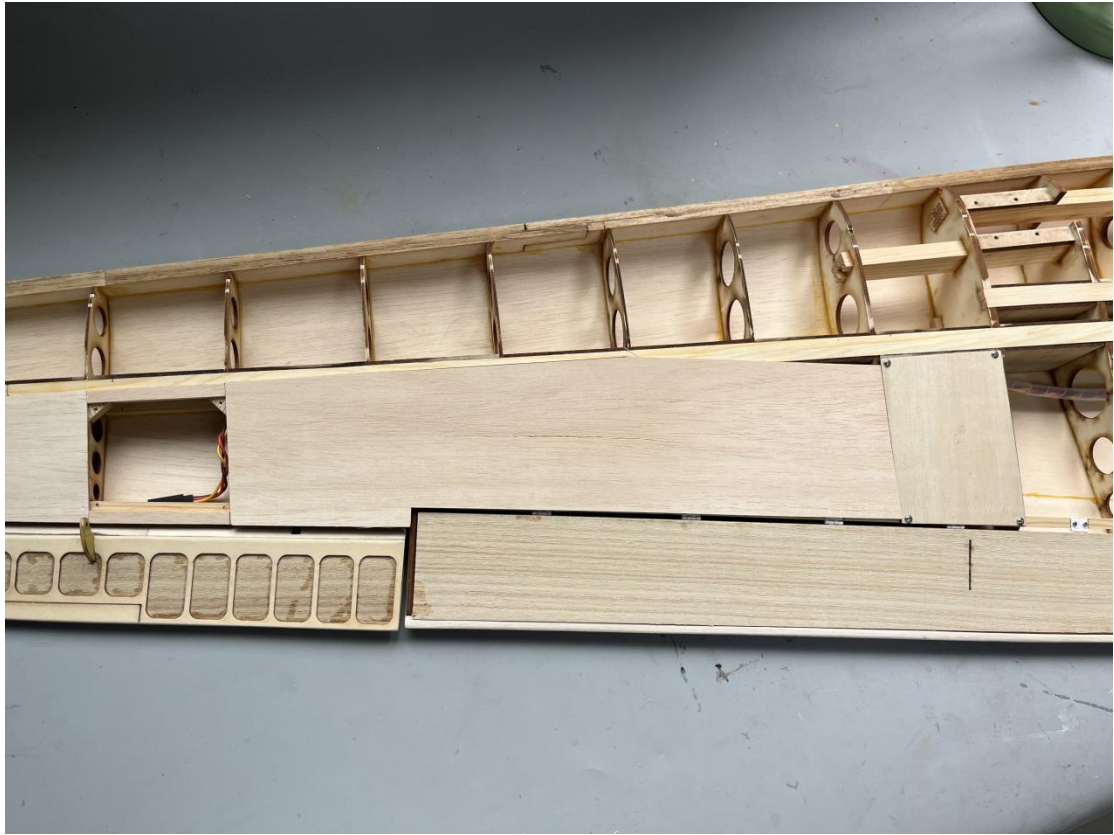
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7.78



7.79



7.80



7.81



7.82



7.83



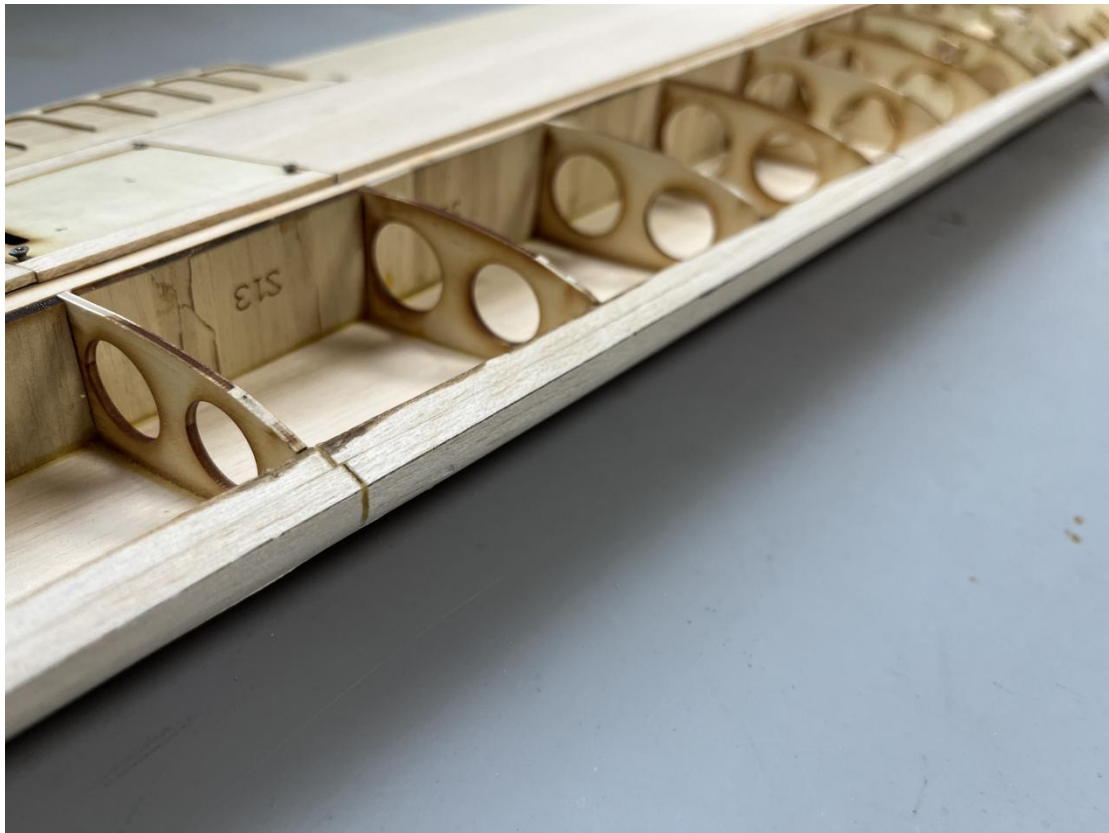
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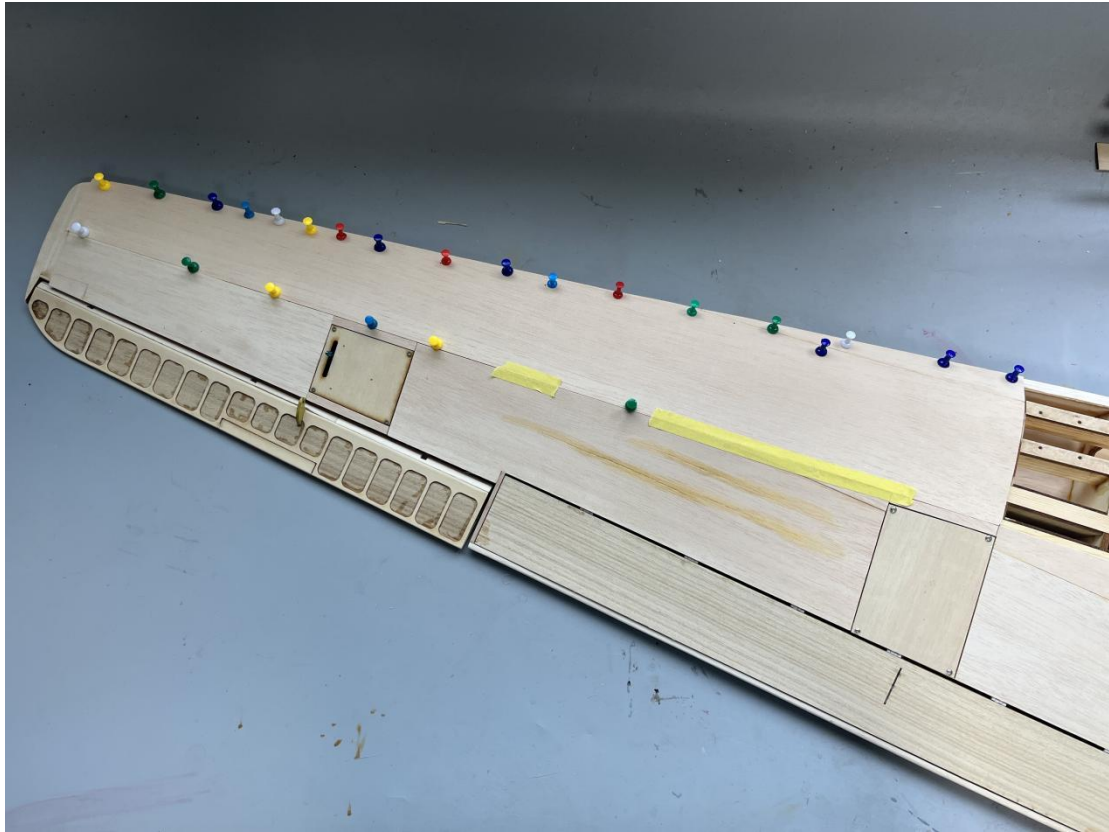
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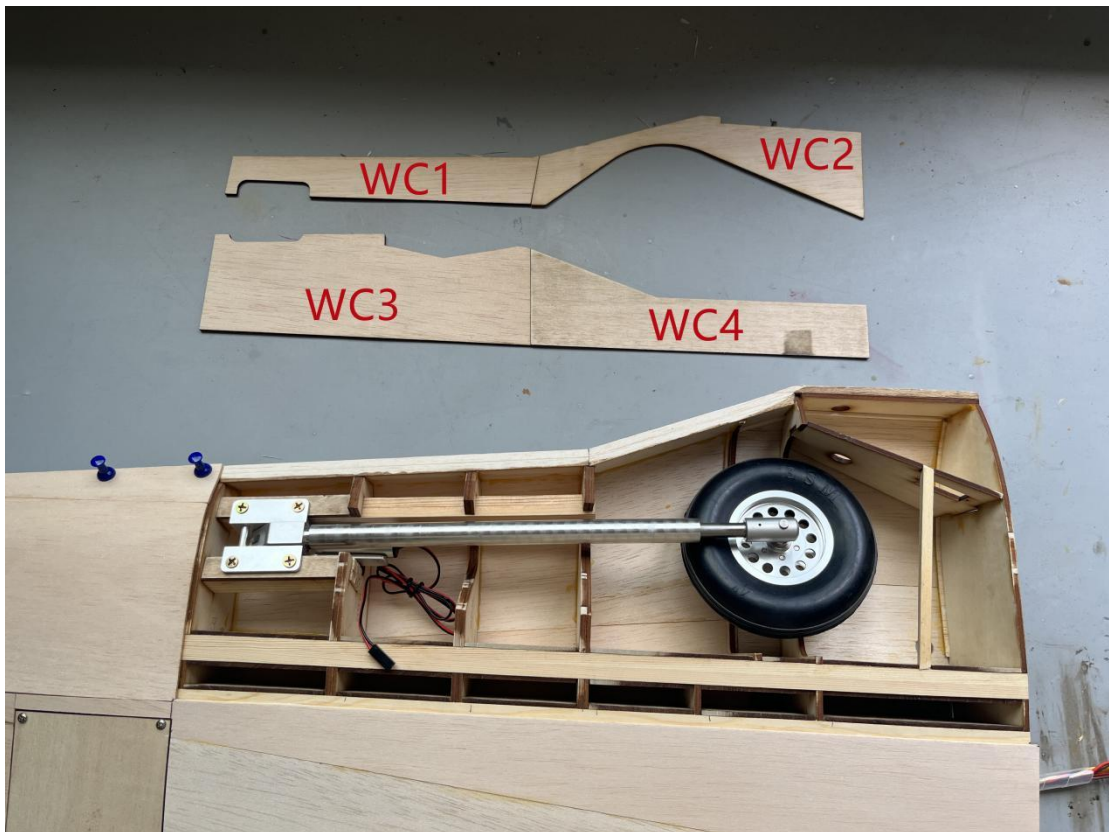
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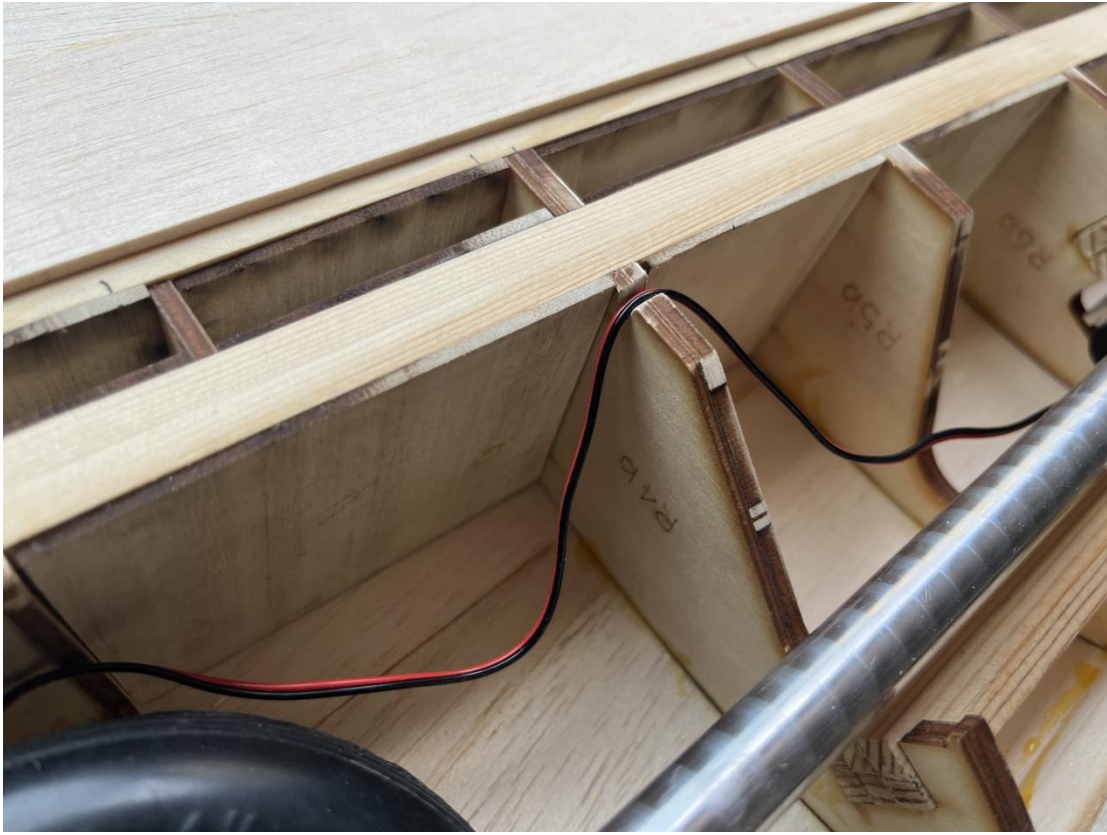
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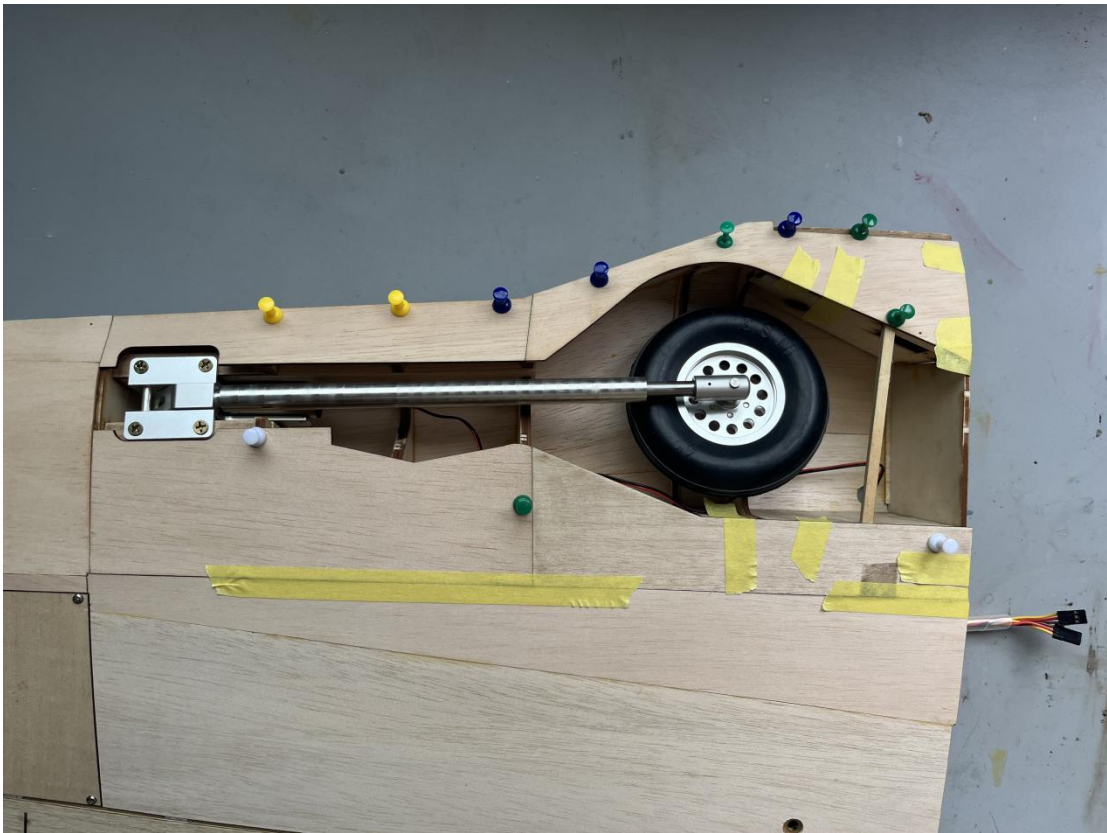
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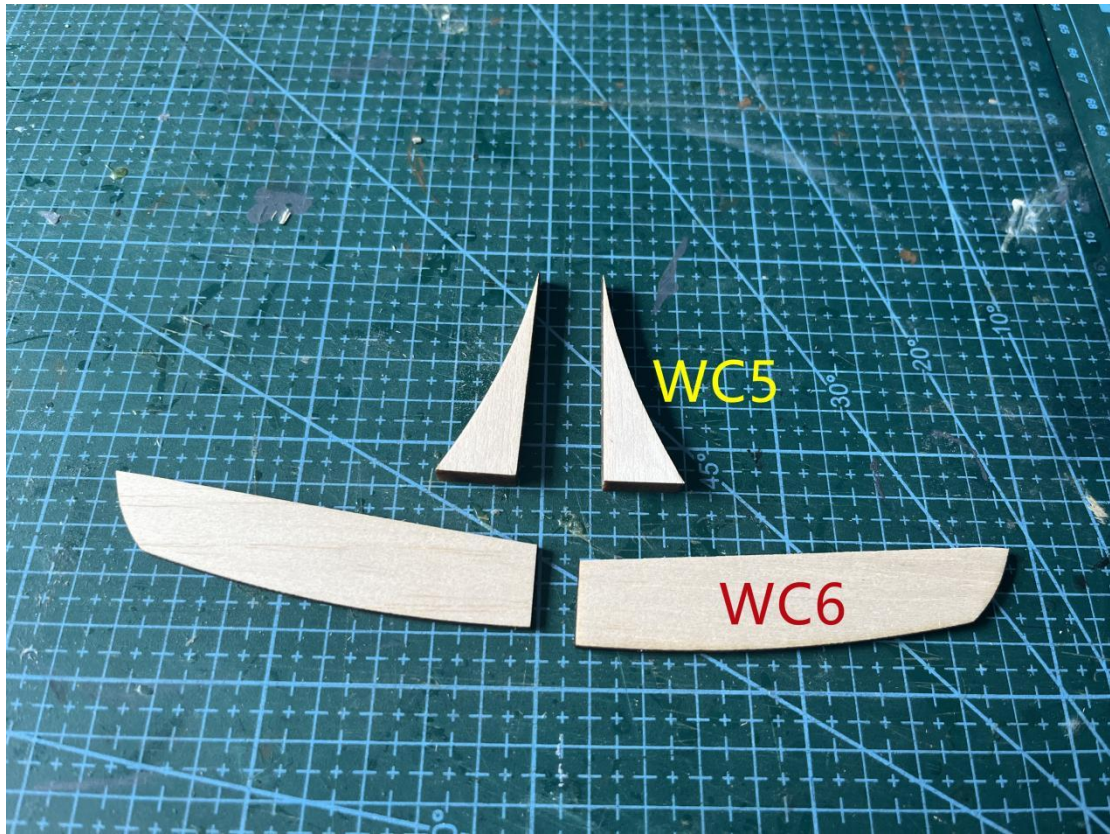
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7.90



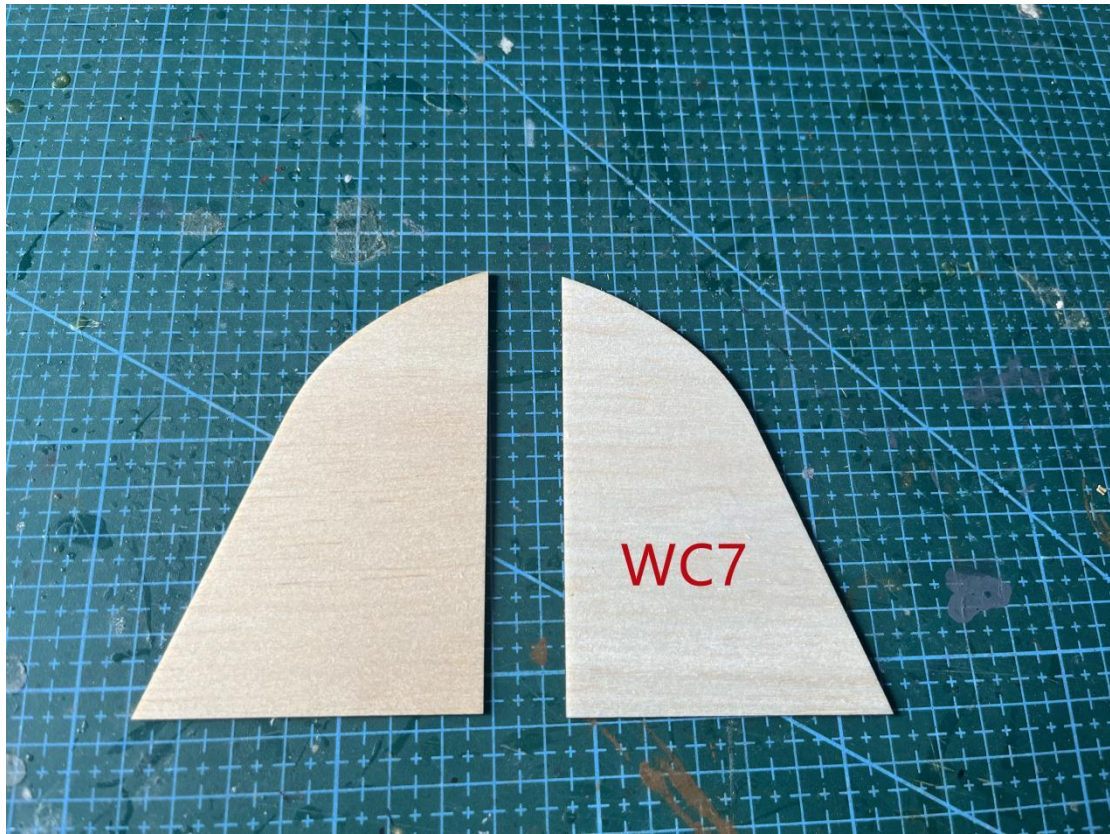
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7.92



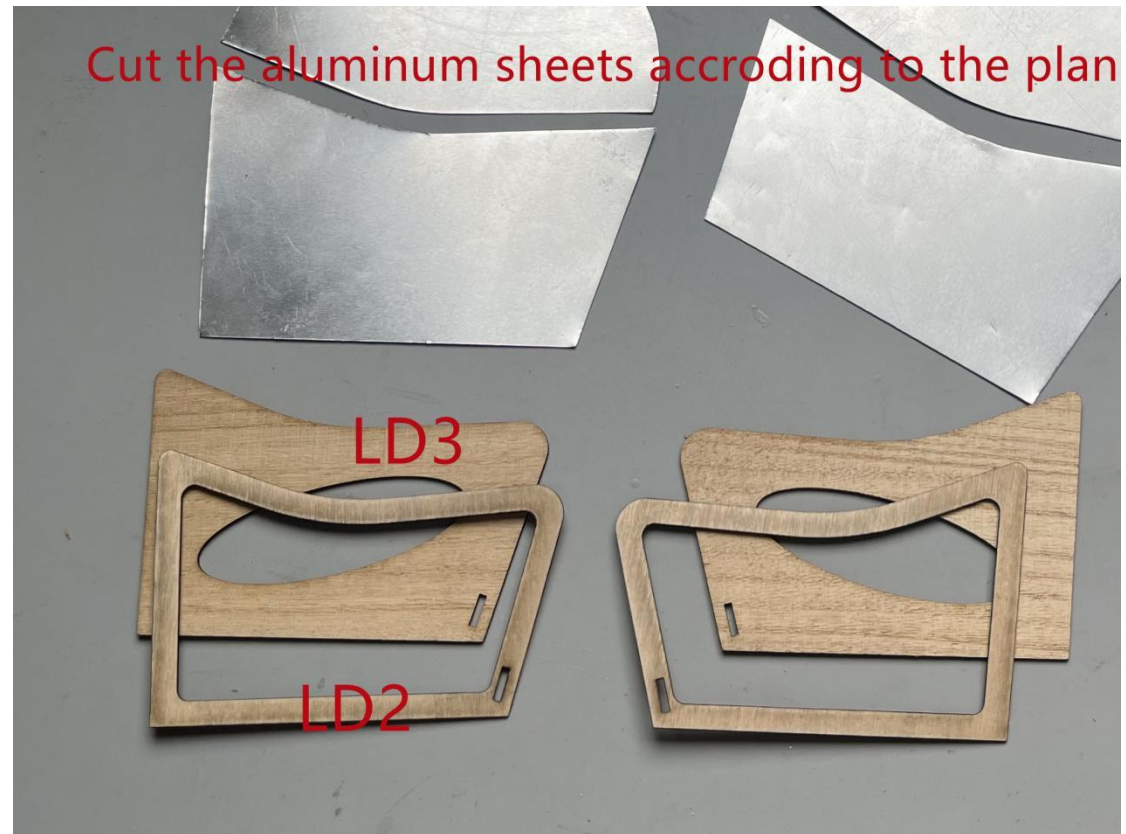
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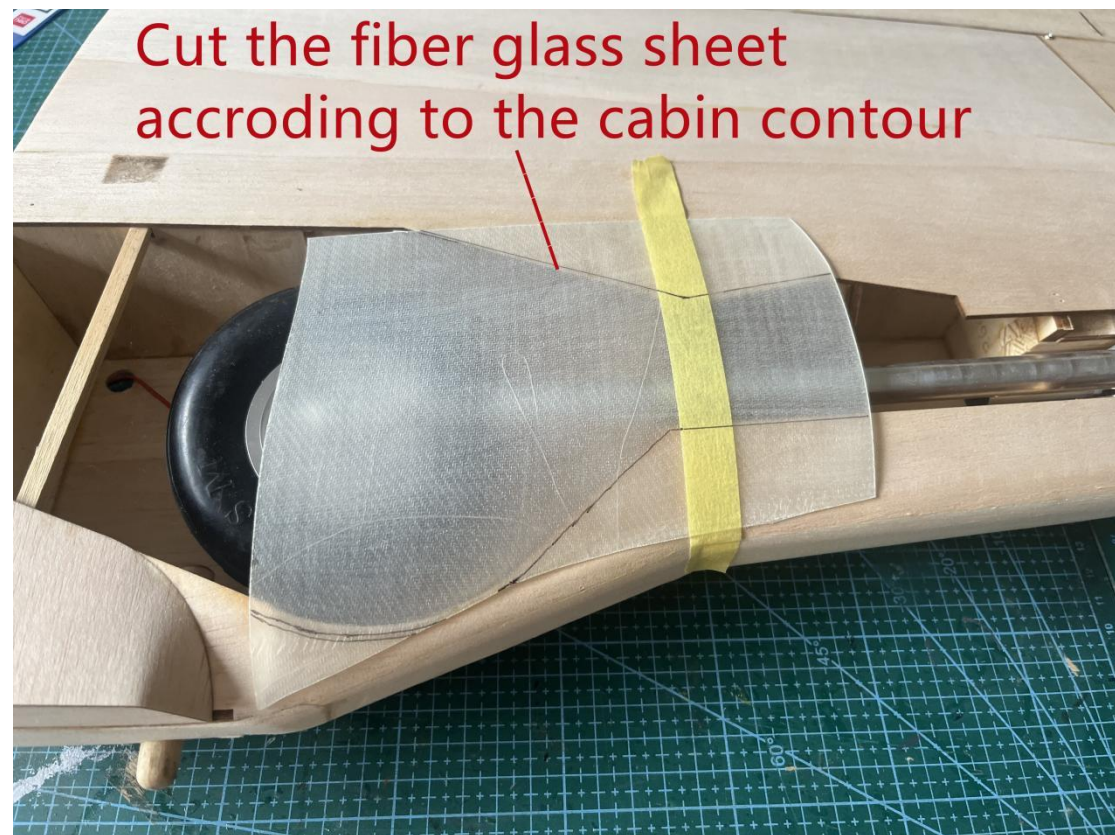
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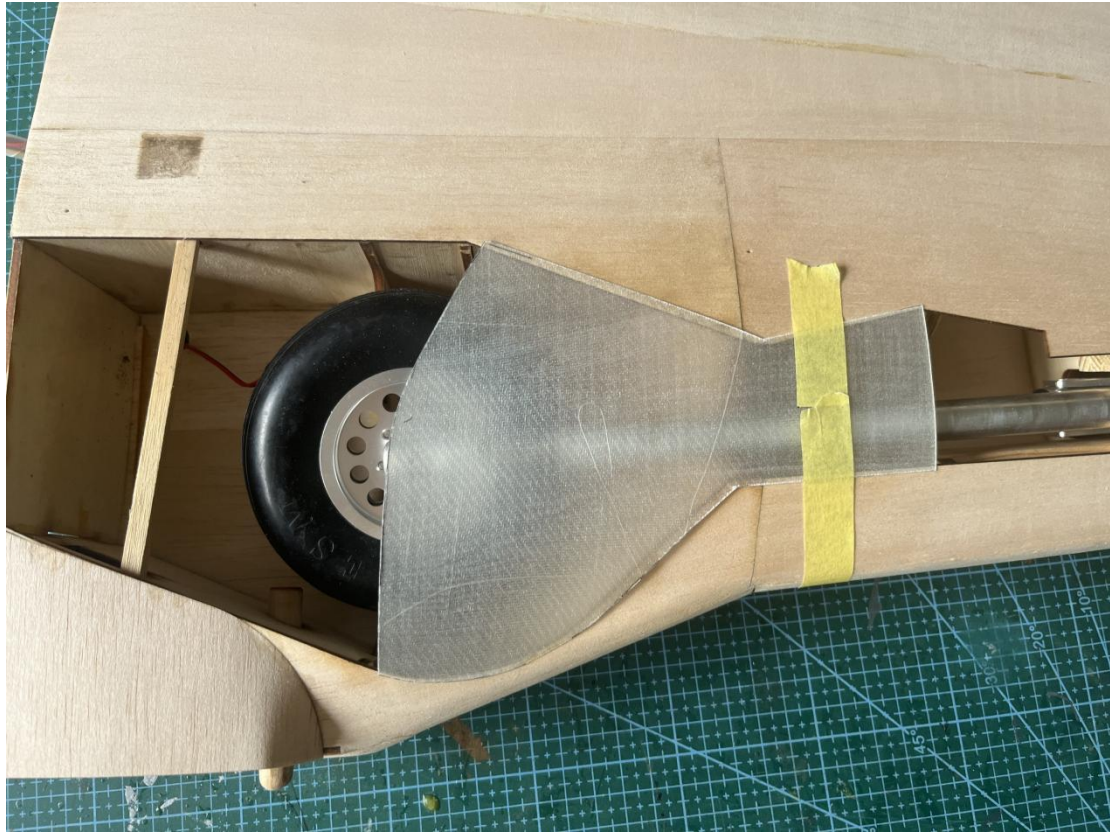
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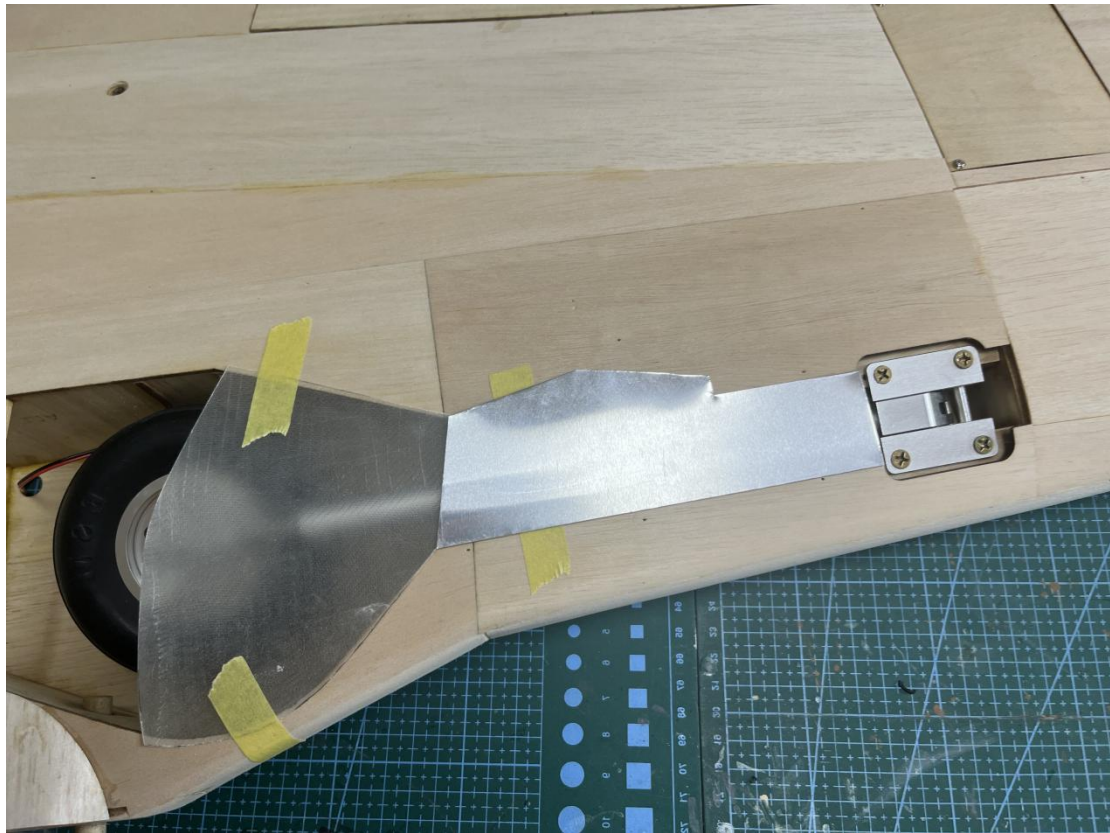
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7.97



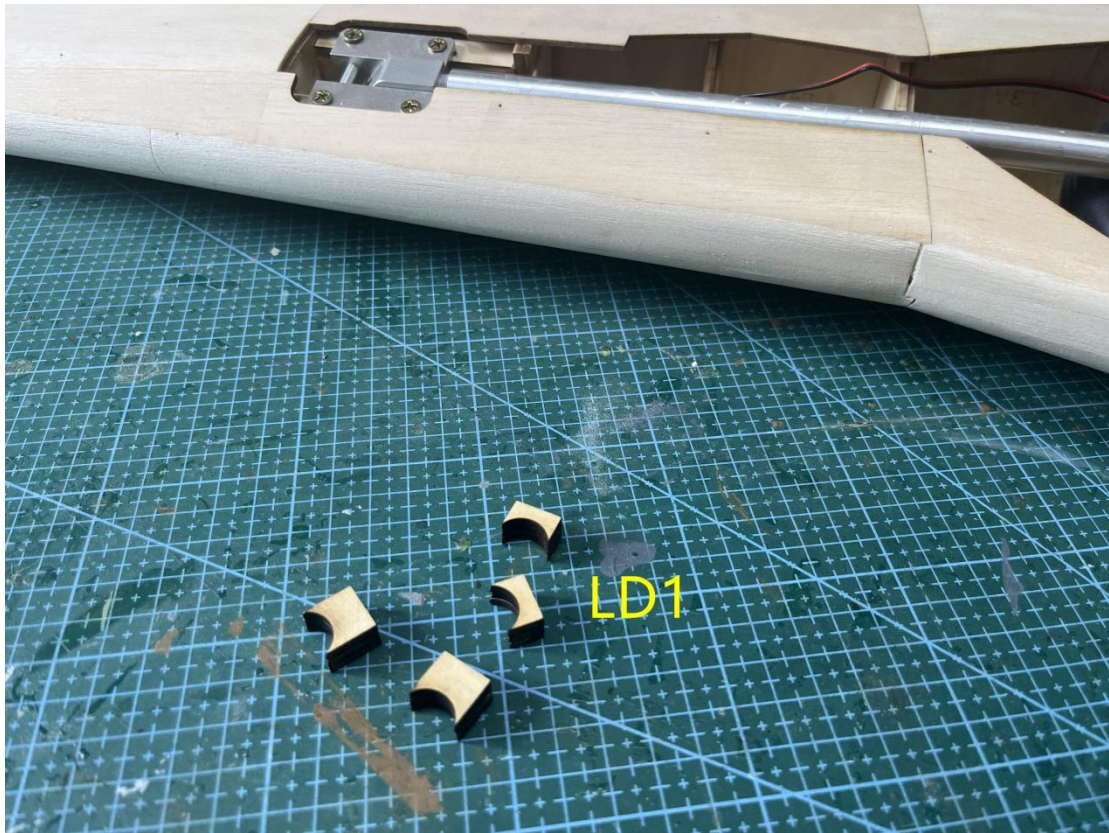
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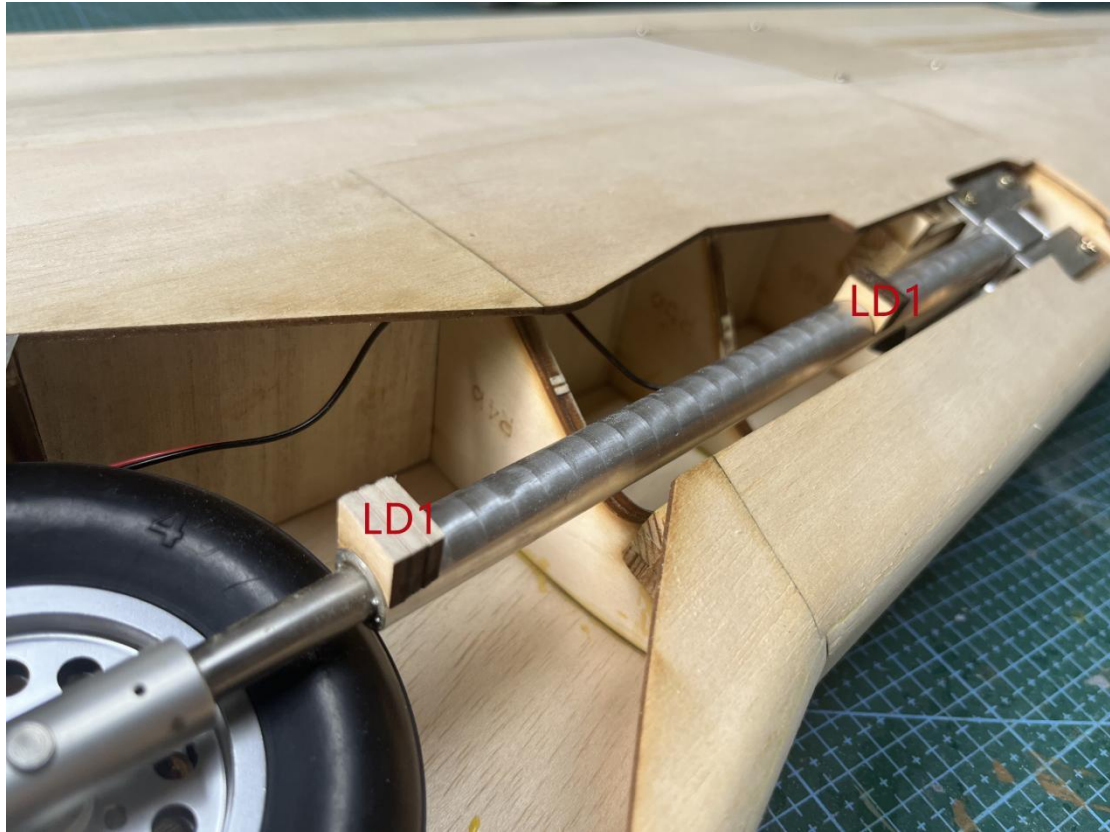
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7.100



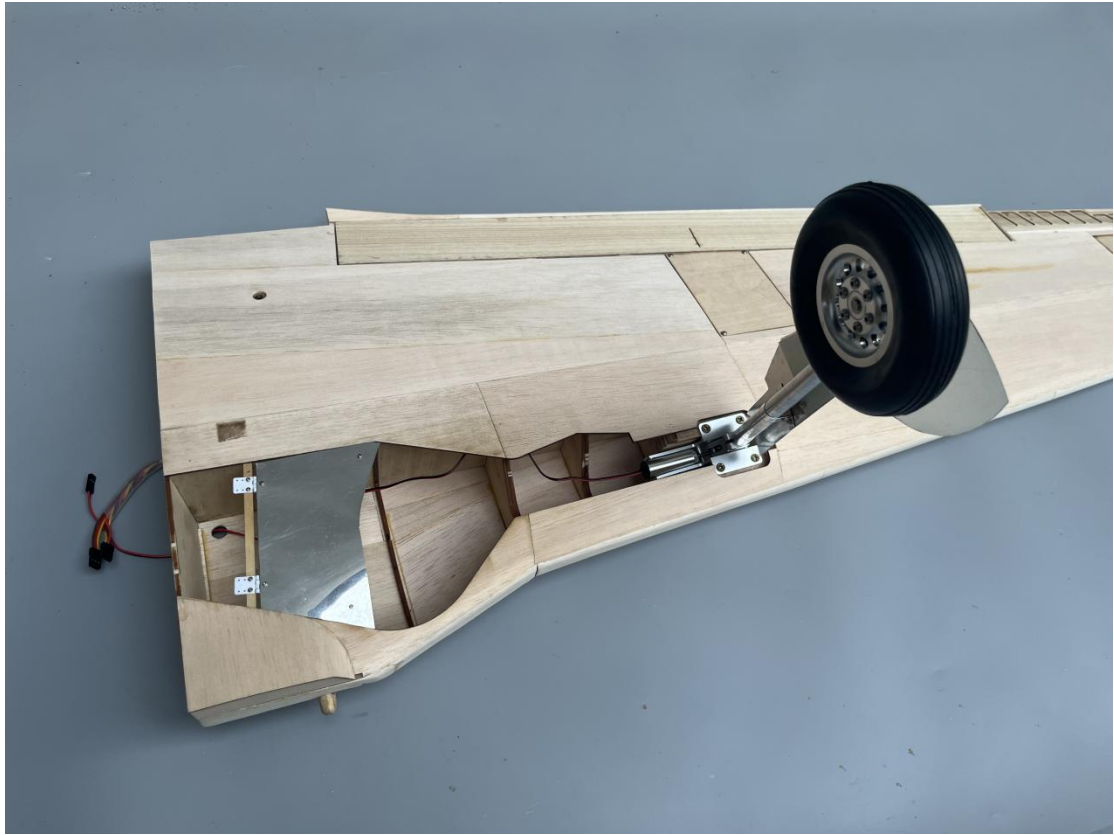
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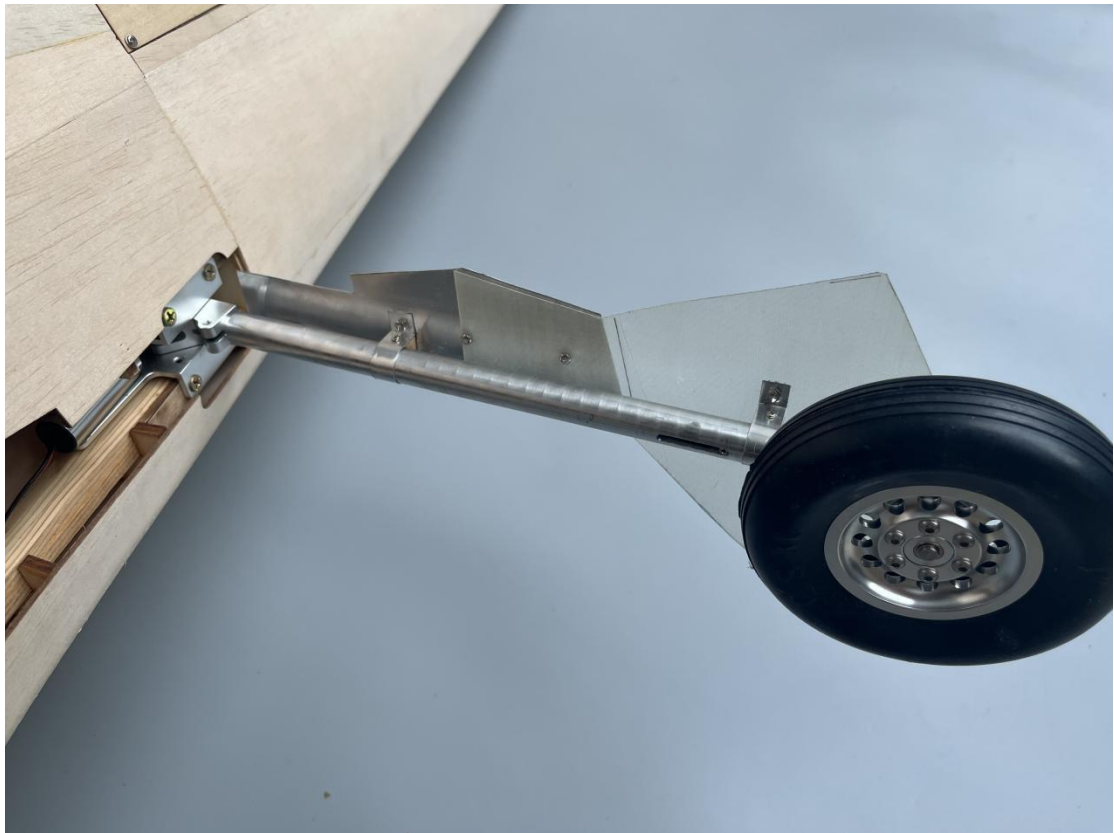
7.102



7.103



7.104



7.105

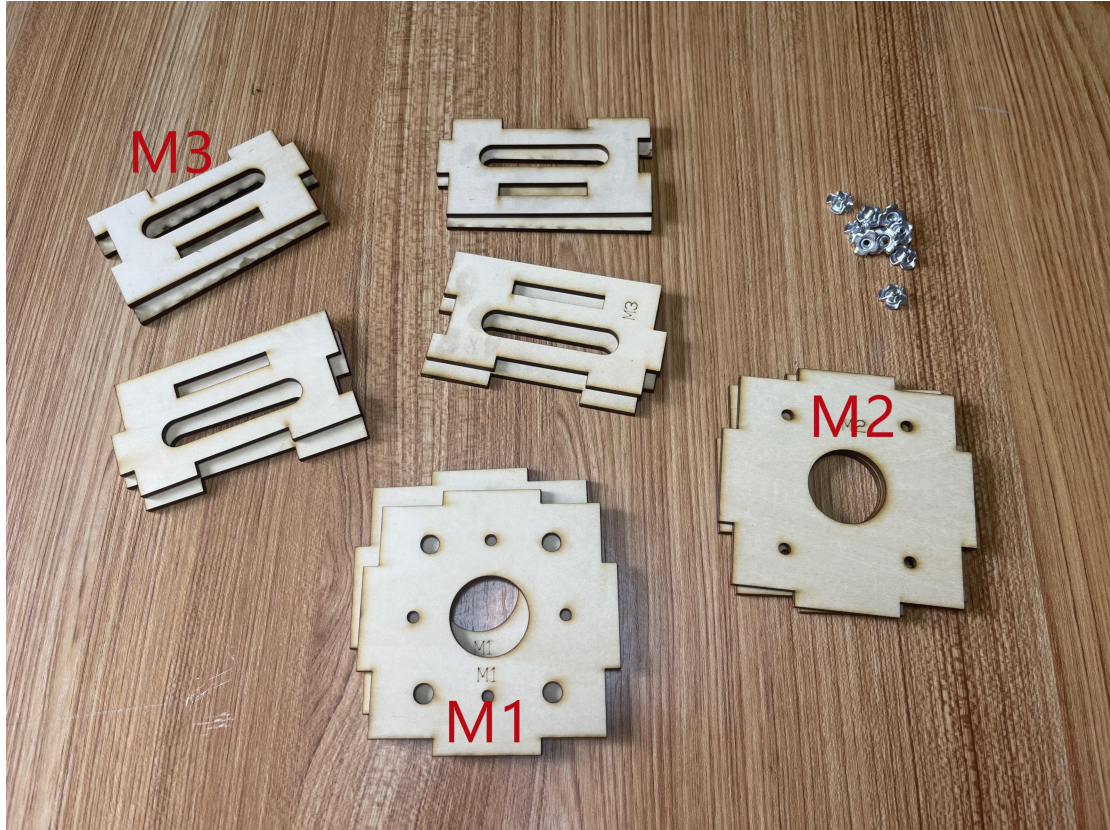


7.106

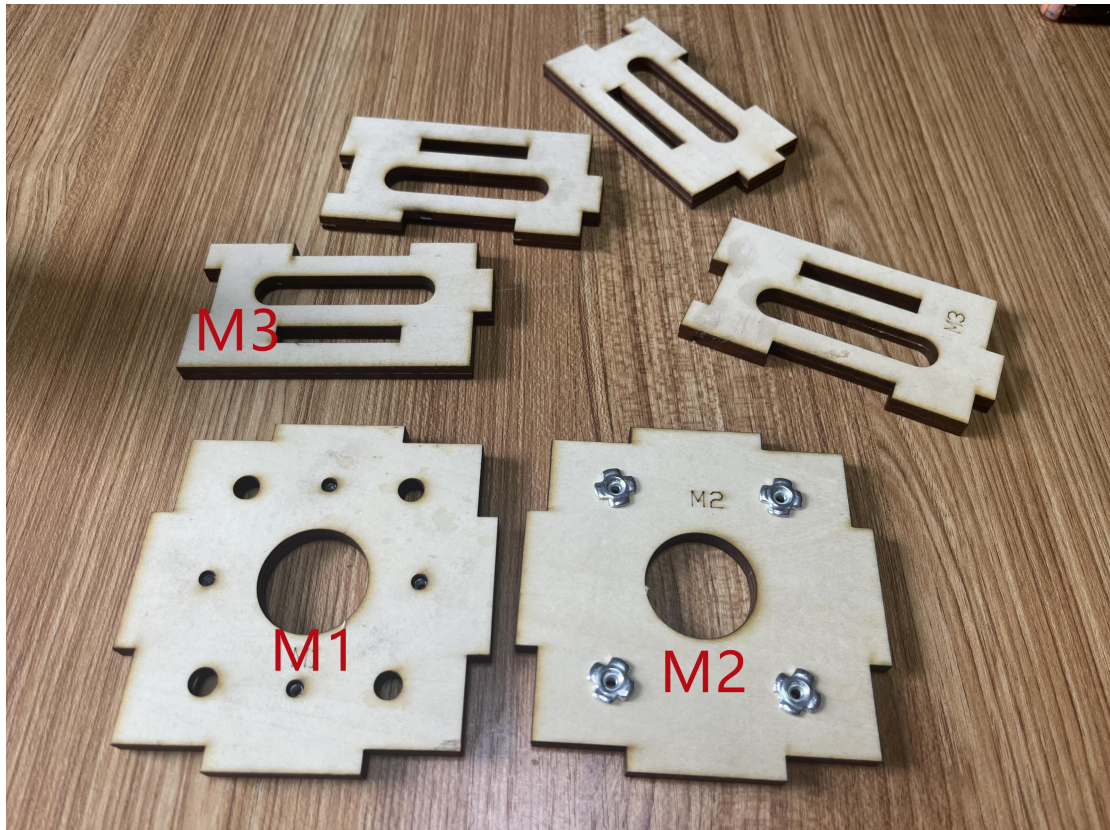


Before you fly Example of EP version

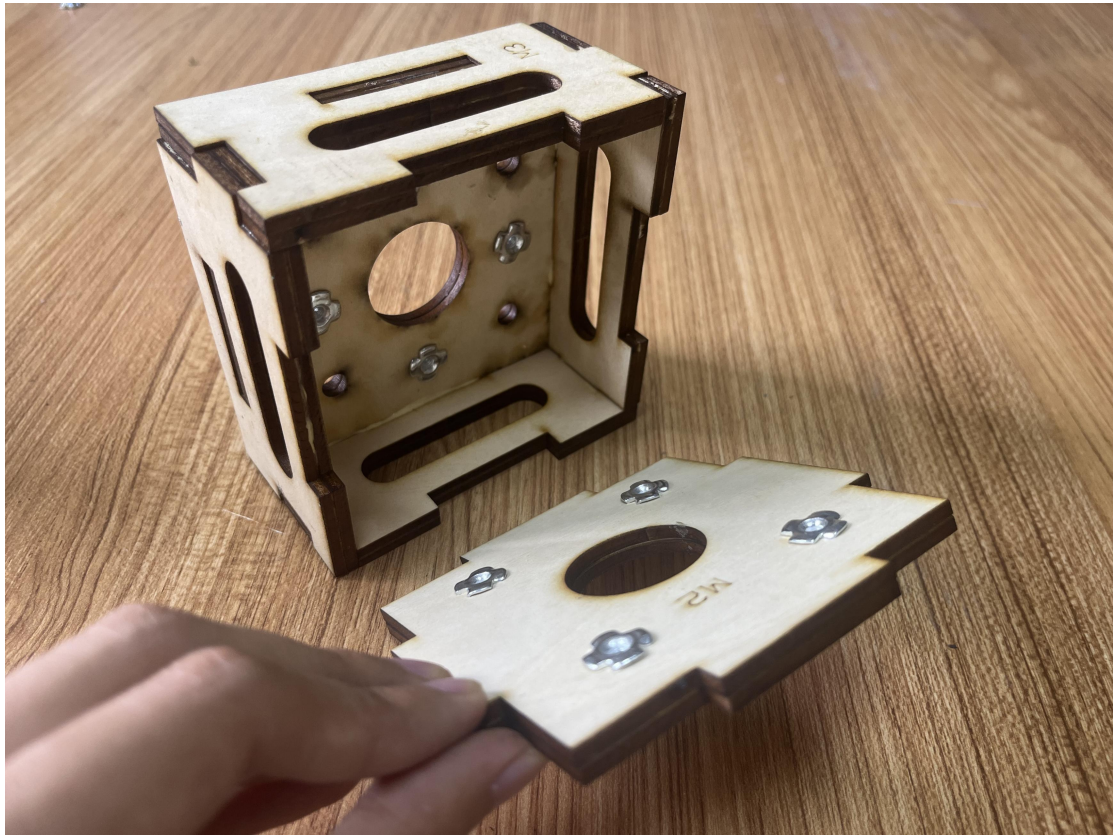
8.1 Motor base for *Dulsky GA2000*



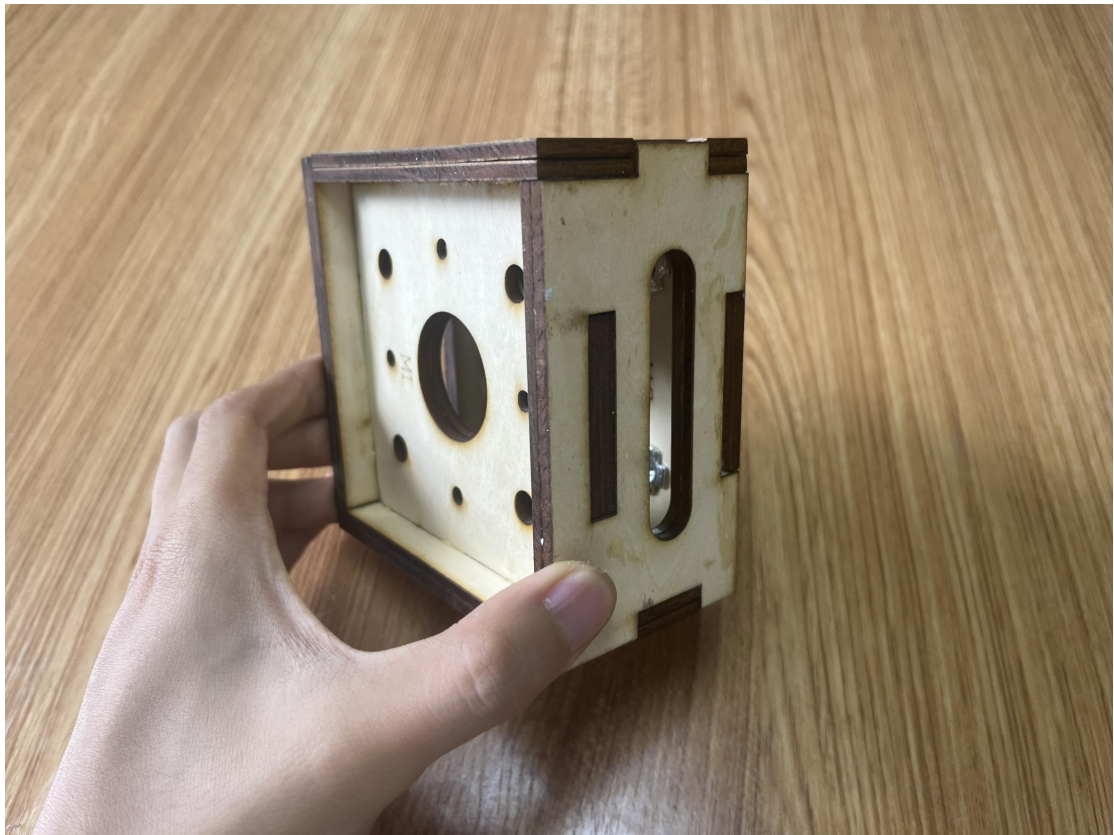
8.2



8.3



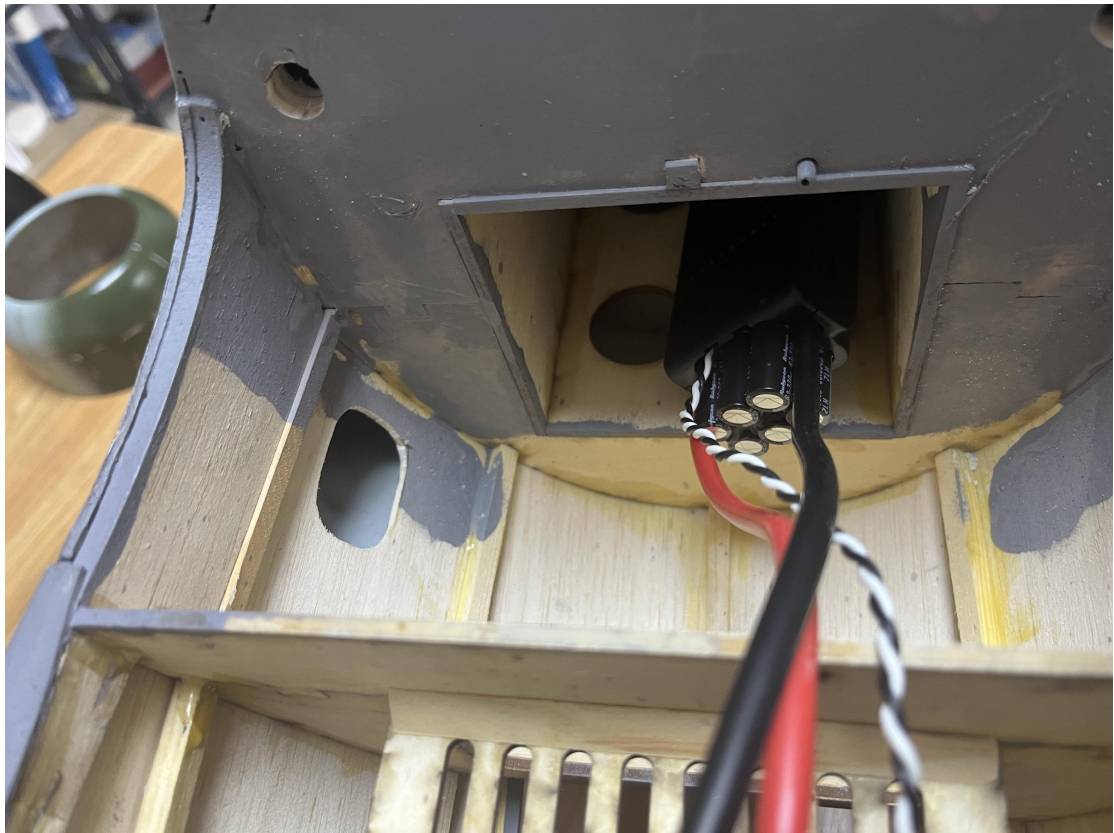
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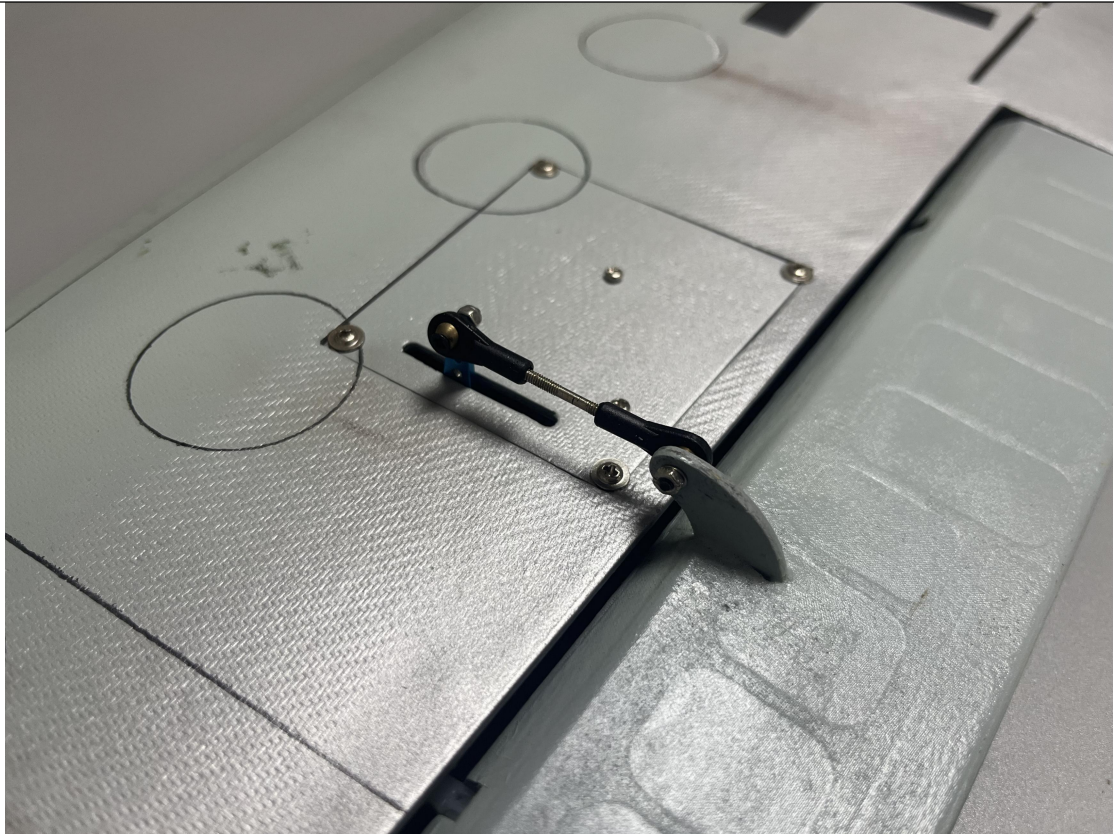
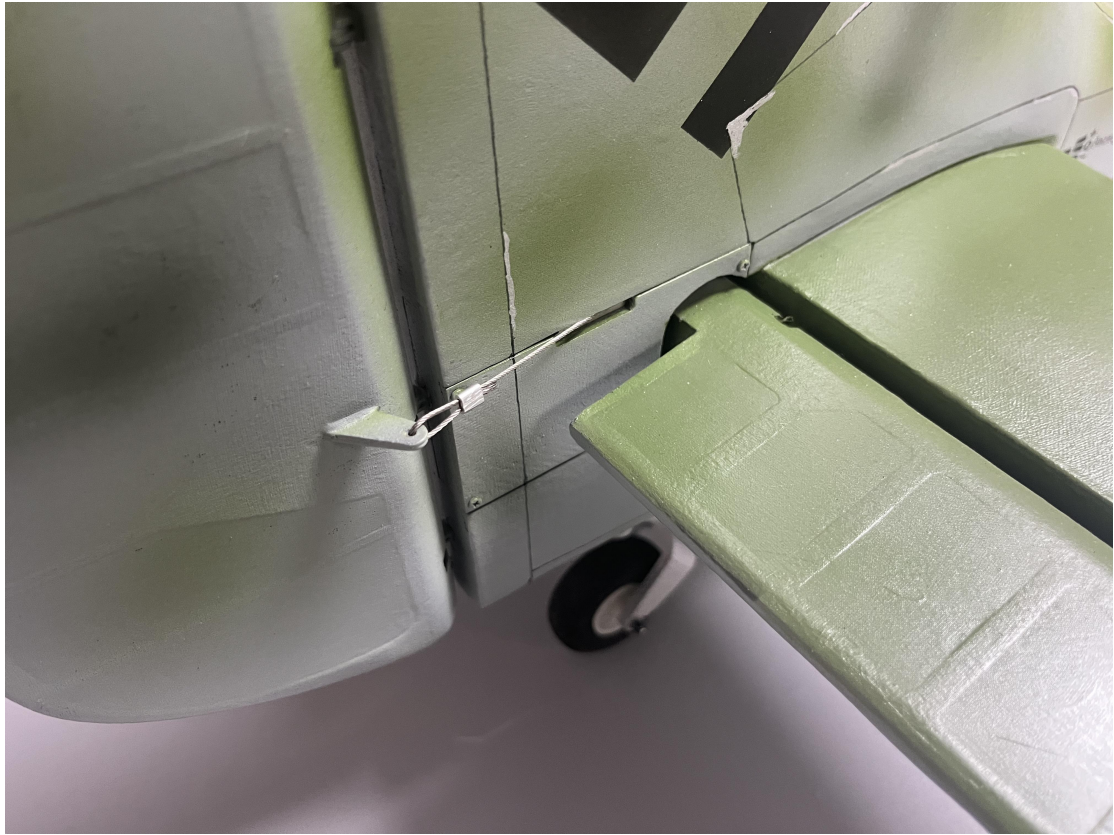
8.5



8.6



8.7



CG(From Leading Edge)	8.89cm (25%)
Elevator Throws	1.9cm up 1.9cm down
Rudder Throws	3.81cm left 3.81cm right
Aileron Throws	1.27cm up 1.27cm down
Side trust	0°
Up/down trust	0°

Thank you!



Tony Ray's AeroModel