Musger Mg-19B 1/6

Build instructions



Specifications	
Wing Span	115.5 in / 2933mm
Wing Area	57sq dm
Flying weight	2.0kg-2.1g
Fuselage length	135cm
Scale	1/6

Requires	
RC transmitter with at least 7 channels	
Spoiler: 9g servos(ES08/DS395)*2	
Aileron: 9g servos(ES08/DS395)*2	
Rudder&Elevator: 17g Servo(ES3004/AS82MG)*2	



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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
2. 0mm Plywood	A series:A1-A9	9
2.0mm Paulownia	A series:A10-A20	11
2.0mm Pine wood	A series:A21	1
3. 0mm Plywood	B series:B1 1	
3.0mm Paulownia	B series:B2-B3	2
3. Omm Balsa	B series:B4	1
1.5mm Balsa	C series:C1-C20	20
1.5mm Paulowniaa	C series:C21-C24	4
1.5mm Plywood	C series:025	1
1.0mm Balsa	D series:D1	1
1. 0mm Plywood	D series:D2-D3	2
5.0mm Balsa	E series:E1	1
2.0mm Balsa	F series:F1-F12	12
Aileron covering sheet	AL3	2

Wood Strips Inventory*	
3*3mm Balsa	6
ó*ómm Balsa	4
2*6mm Pine	8
2*8mm Pine	12

Hardware*		
1. Hardware in Strips bag		
PVC Tube (Outer diameter: 3mm, Inner diameter: 2mm)	2m	
Steel push rod(Diameter1.2mm)	2+2	
2. Hardware	in plastic bag	
Laser cut Pvc sheet	1	
Paper hinge	3	
Leather strips	6	
Rubber band	2	
PU wheels	1	
3. Hardware	in plastic box	
M2 ball joint connector	4	
M2 Steel push rod (Thread at both ends Length:25mm)	2	
Steel wire adapter	2	
Plastic collet	2	
Rudder horn	4	
M3*25 Screws	3	
M3 Four Claws Nut	6	
M2 Screw nut(black version)	4	
M2 Screw nut	20	
M2*20 Screws	4	
M2*10 Screws	20	
M2*8 Screws (Spacer Version)	16	
Copper hinge	4	
M1*3 Screws	40	
Metal hook	2	
M3 Flat end set screws	2	
5. Vacuum Formed Canopy		
Canopy	2	

Paper parts	
1:1 drawings	2

ASSEMBLY-Fuselage I







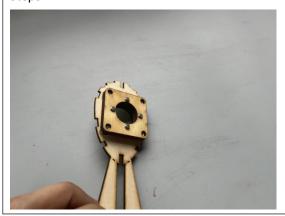
Step3



Step4

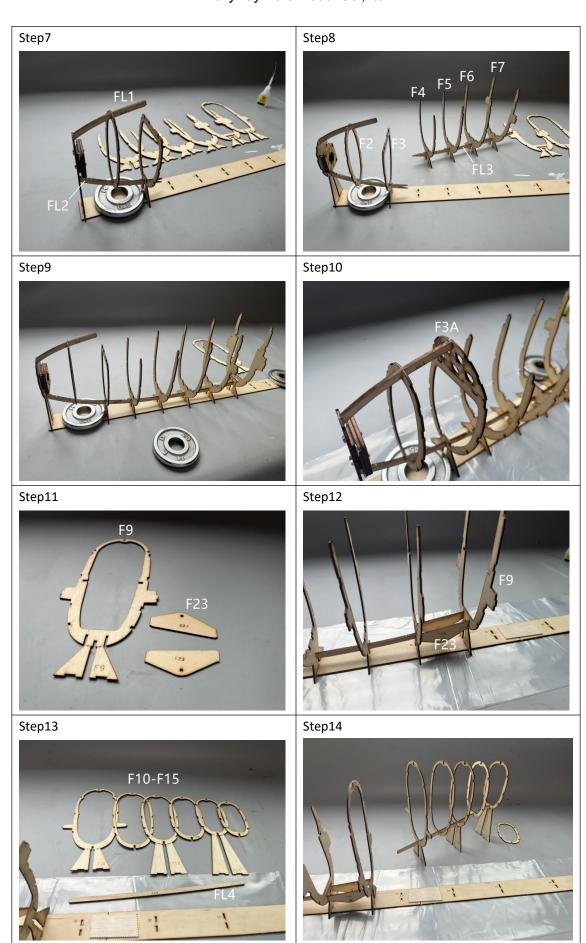


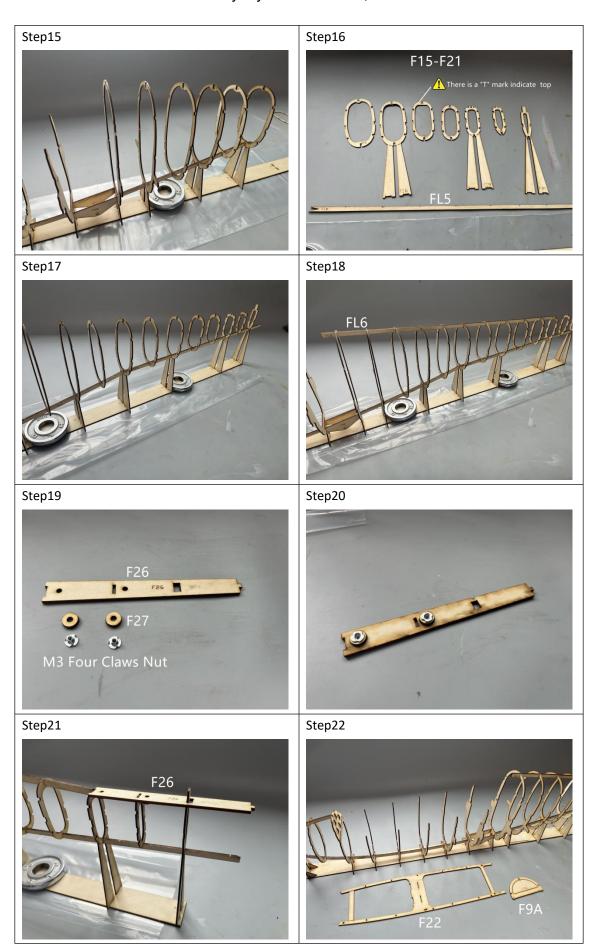
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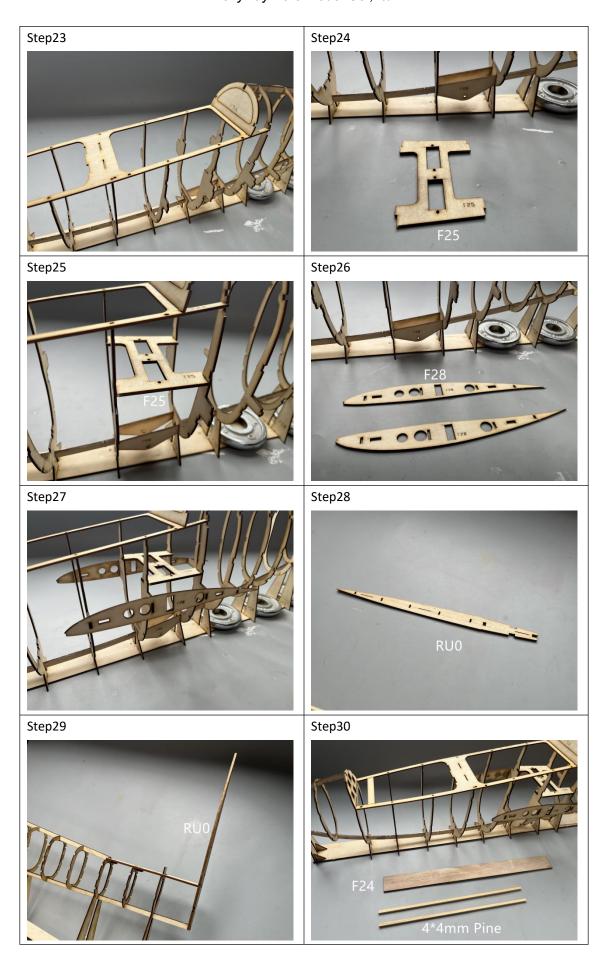


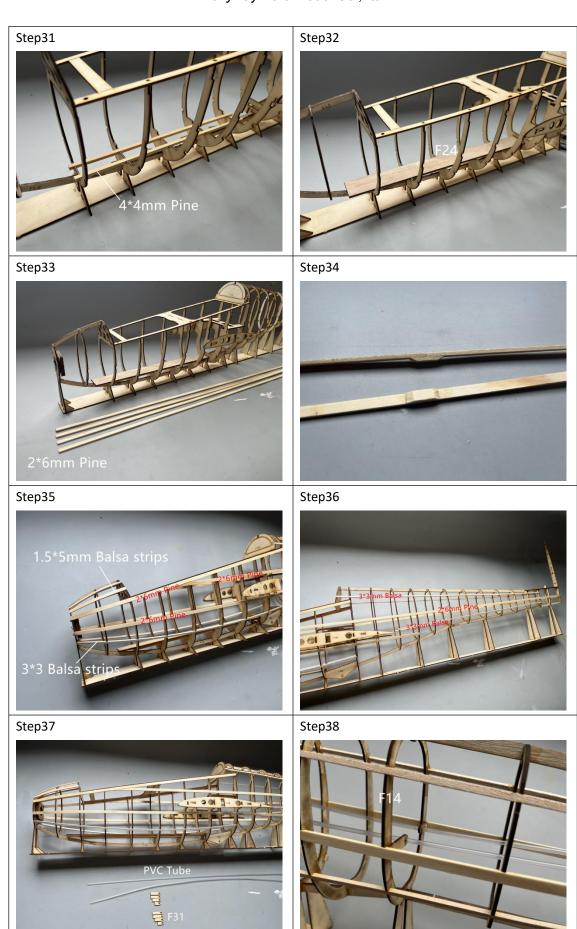
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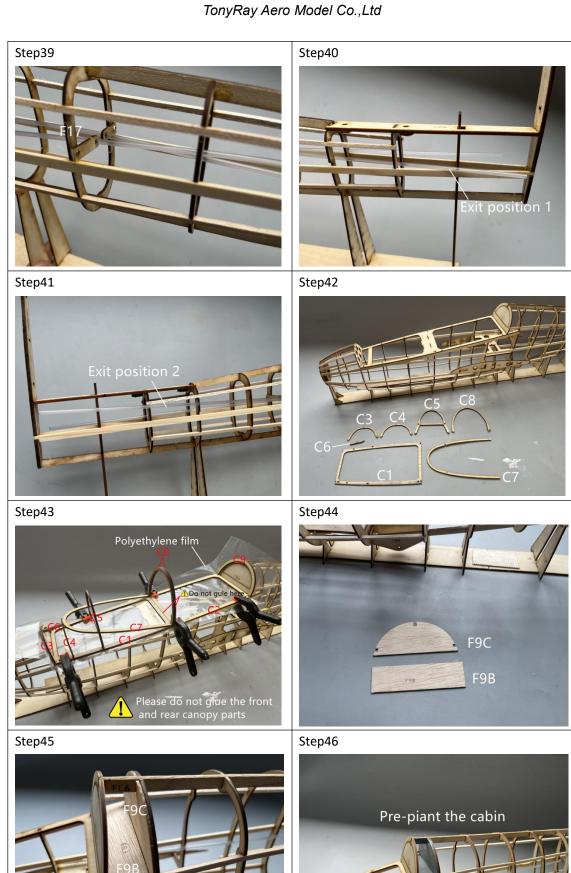




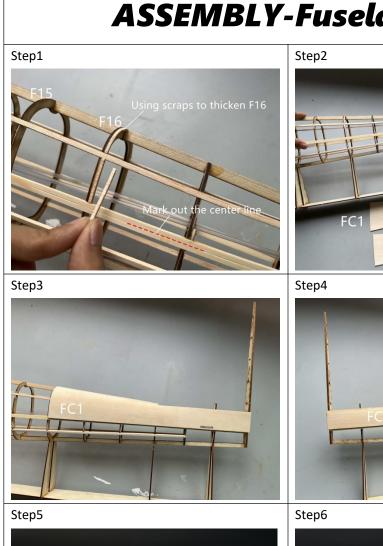




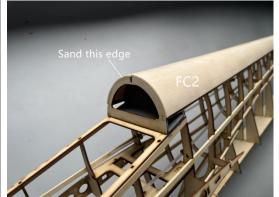


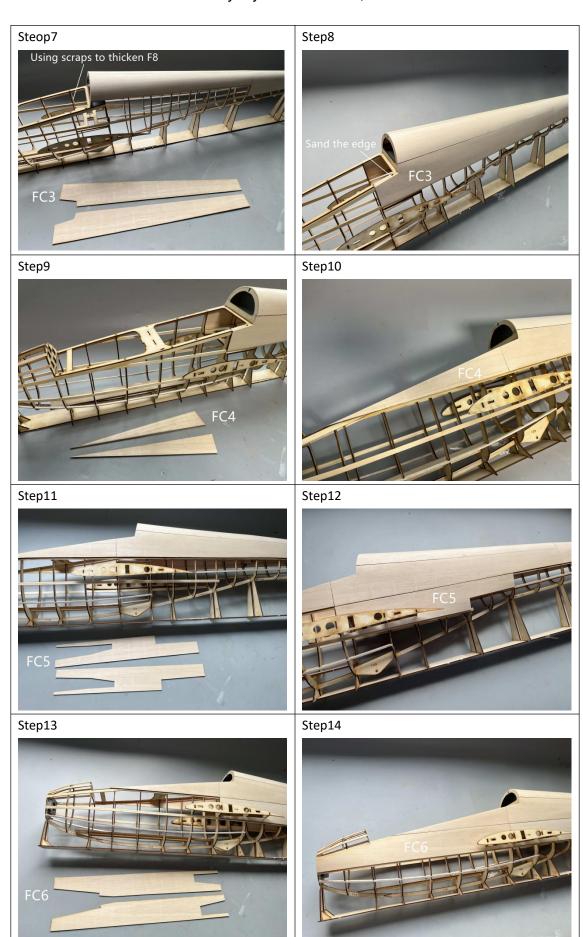


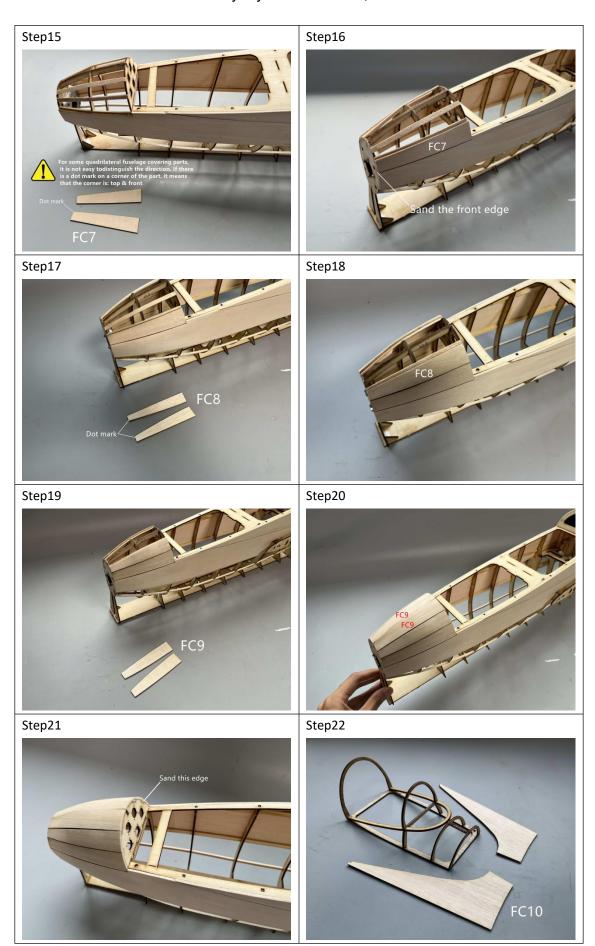
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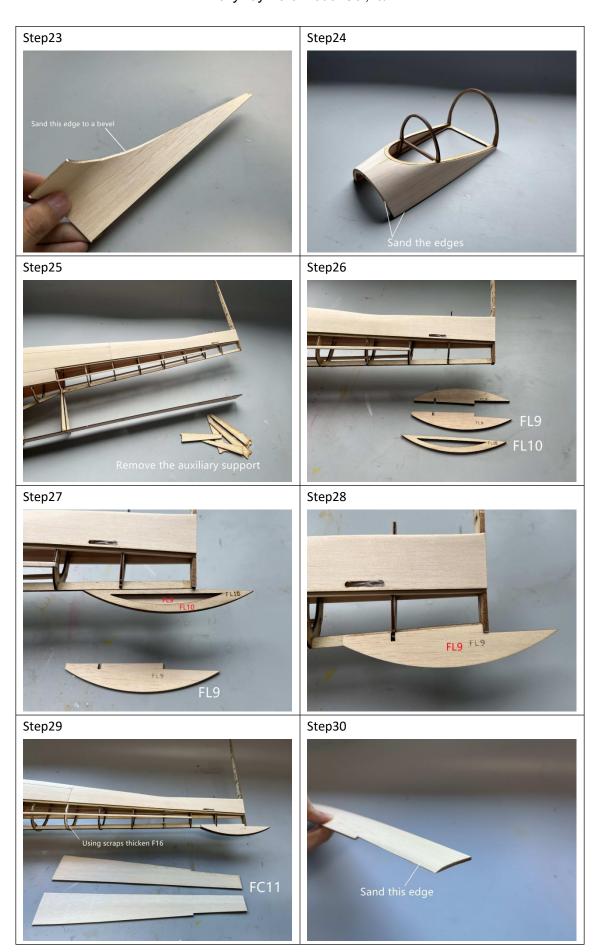


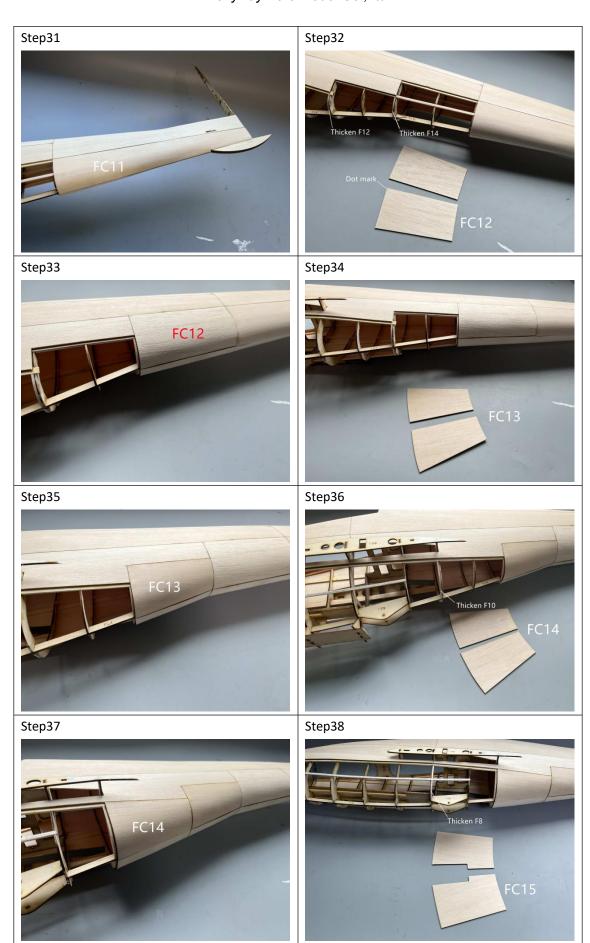
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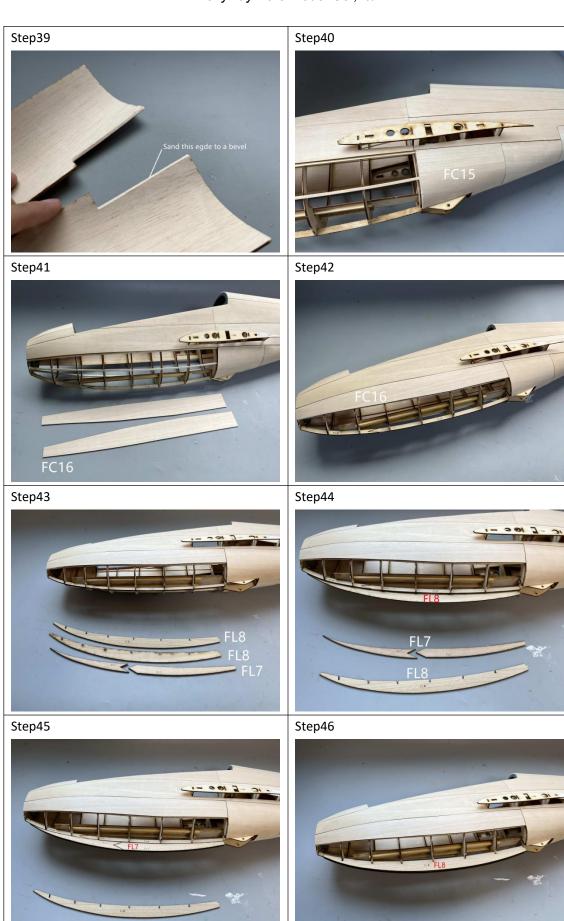


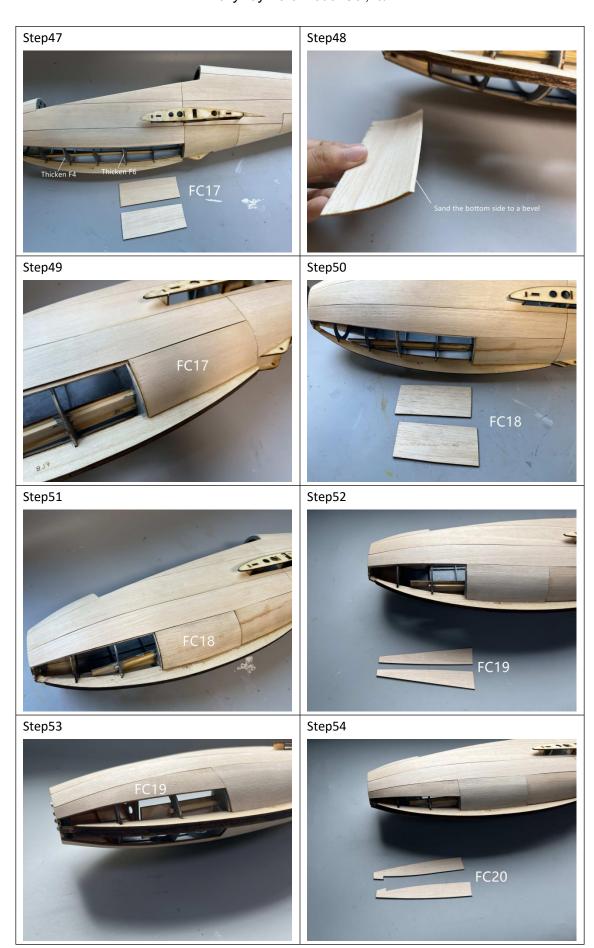






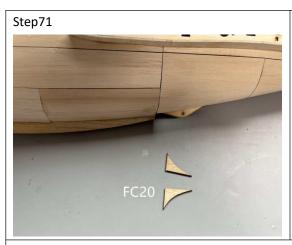










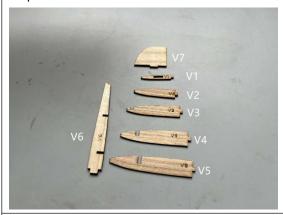


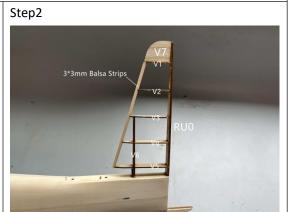


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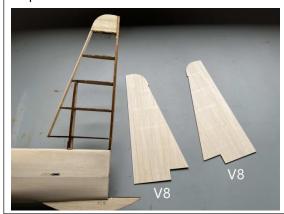
ASSEMBLY-Vertical & Horizontal Tail







Step3

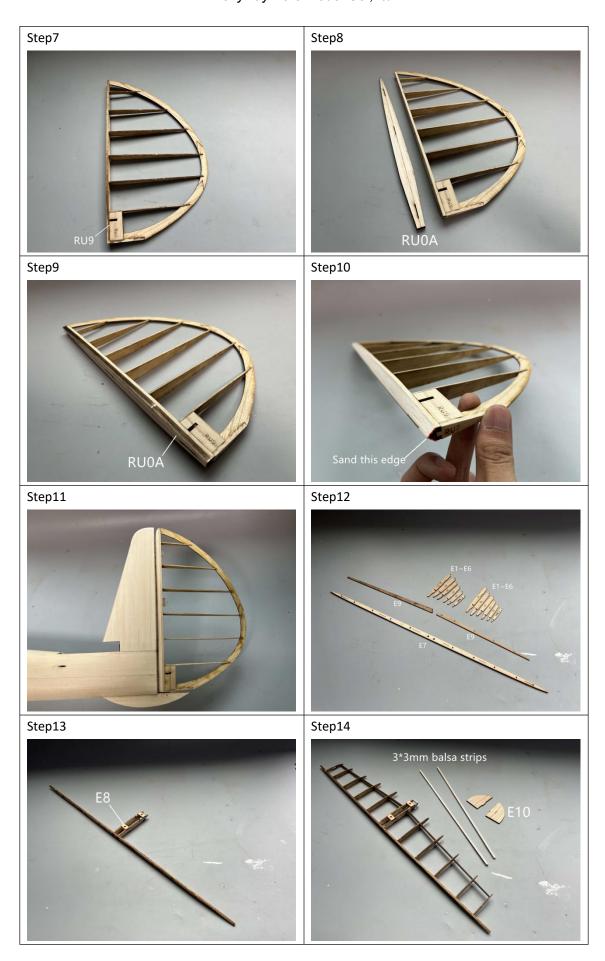


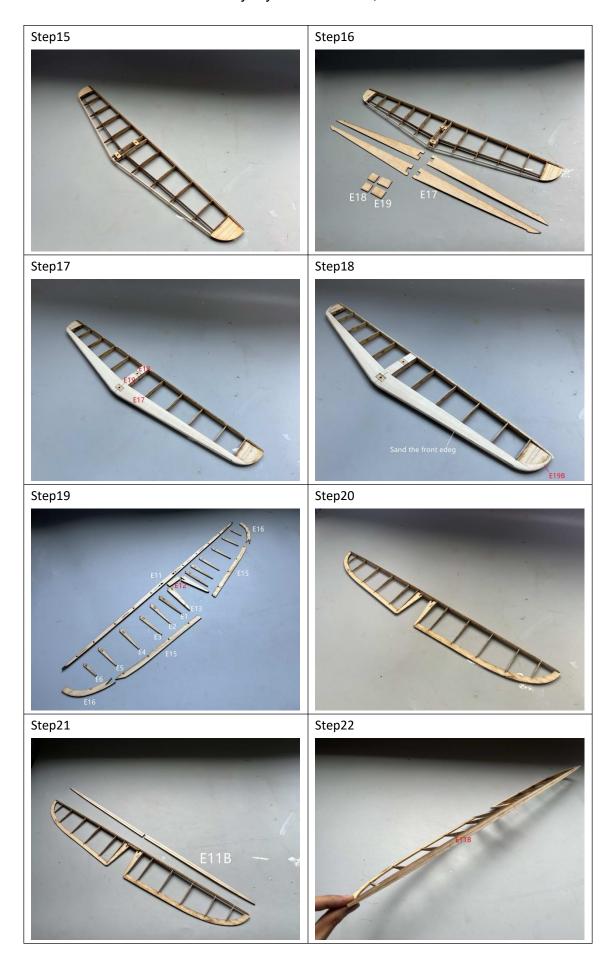


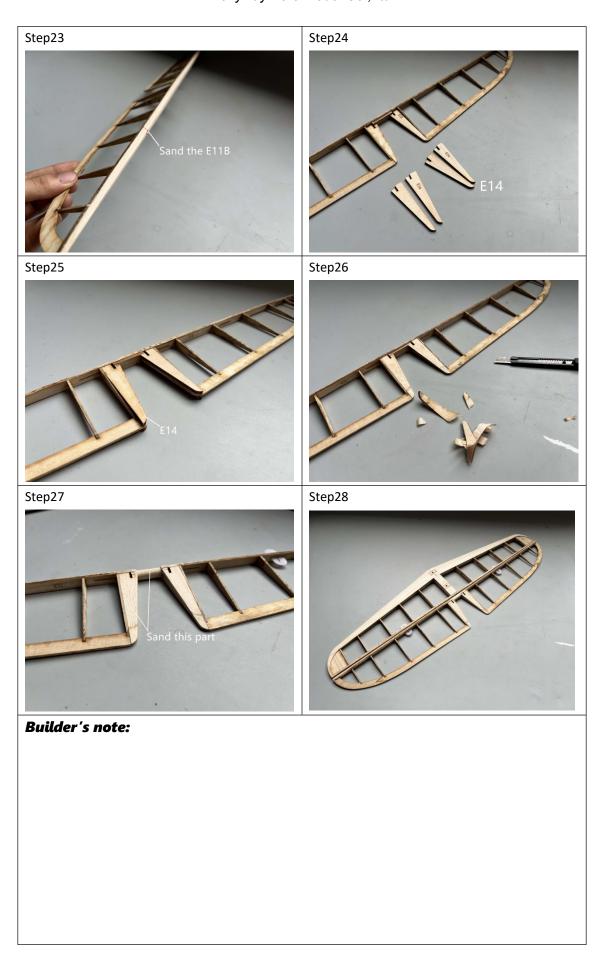
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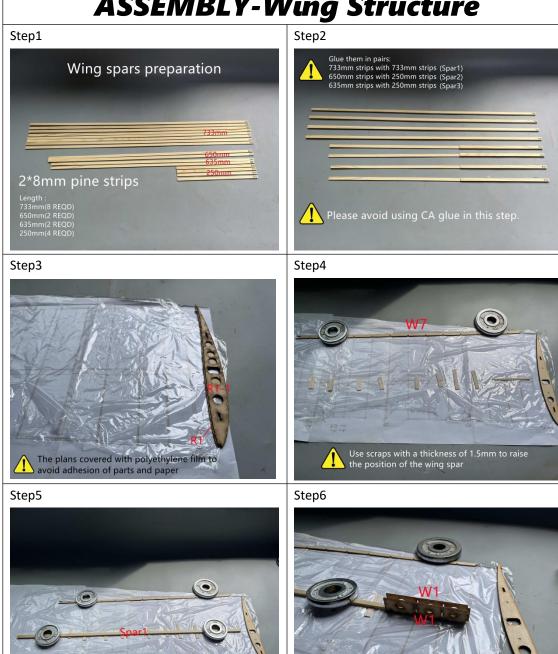


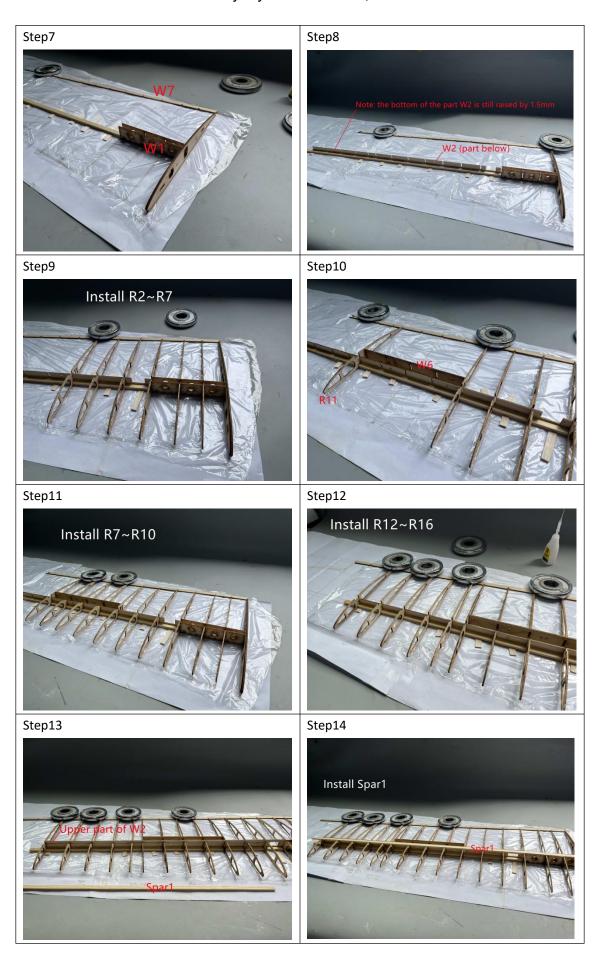


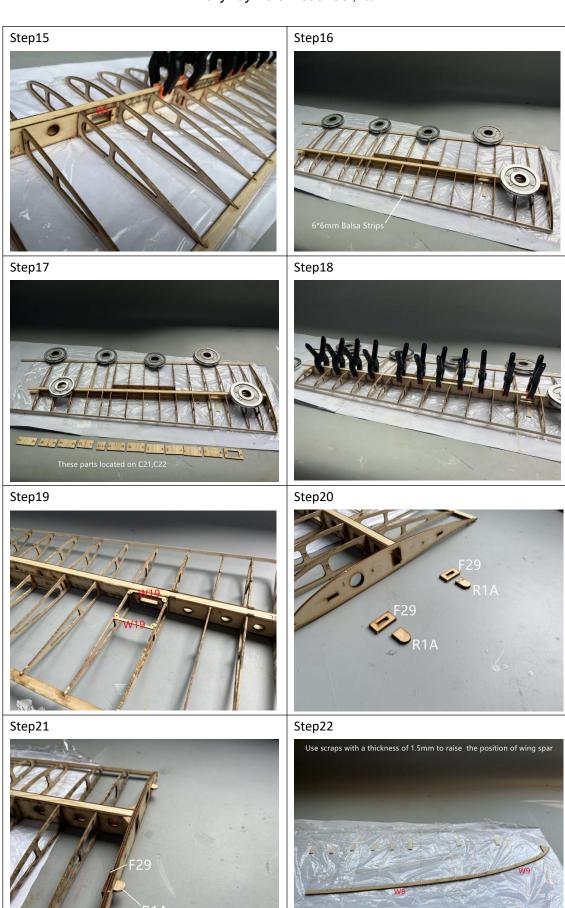


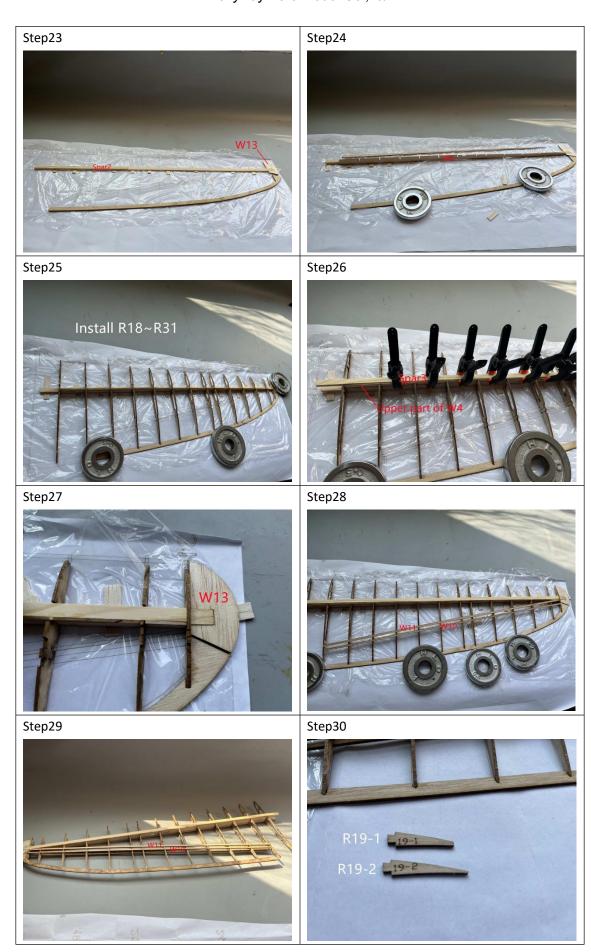


ASSEMBLY-Wing Structure











Step39 Step40 Please pay attention to distinguish these parts, They look similar but can not be used universally Please build the wing structure on the other side before next step (Make sure to be symmetrical and avoid making the same wing twice) Step41 Step42 Step43 Step44 Step46 Step45

Step47







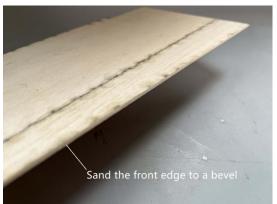
Builder's note:

ASSEMBLY-Wing Covering

Step1







Step3



Step4

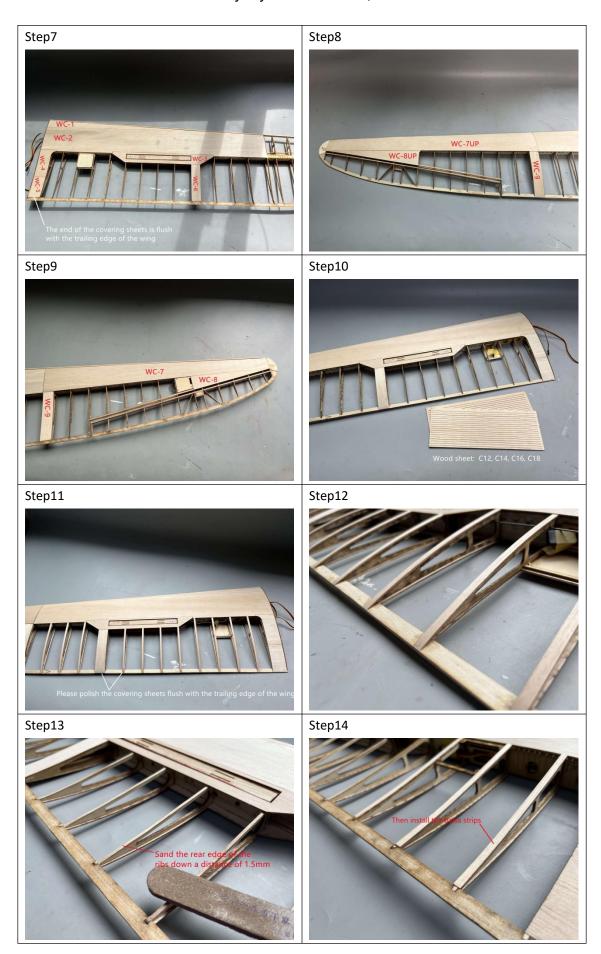


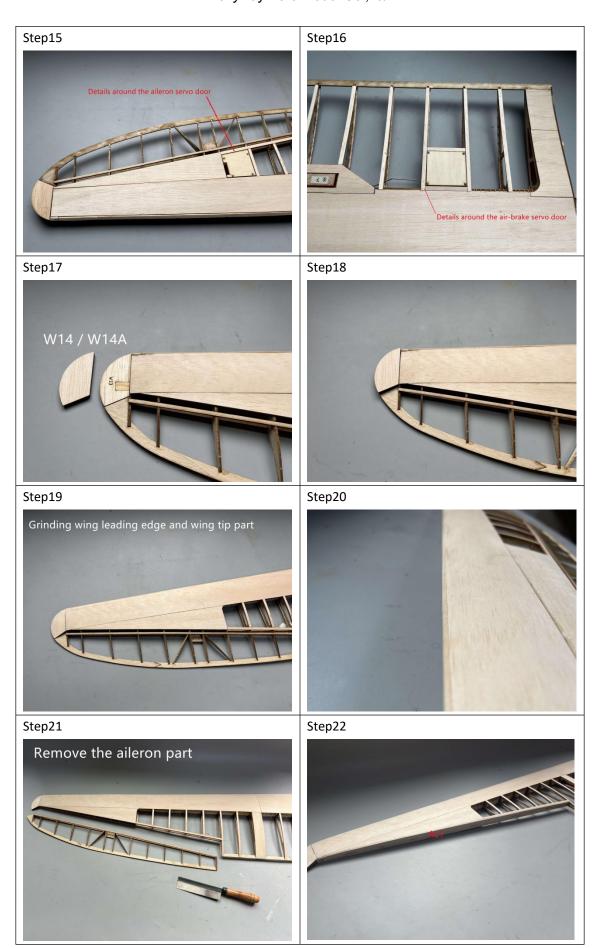
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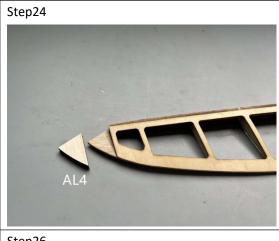
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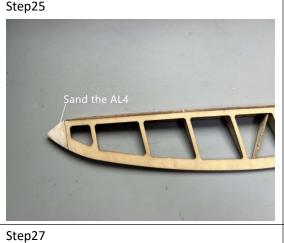


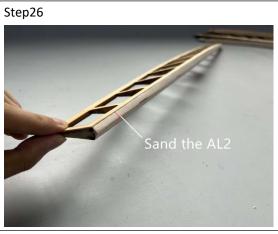




Step23 AL3 AL2 Step25 Step25







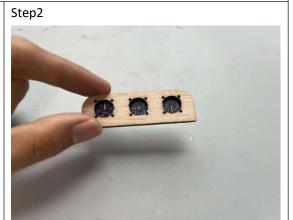


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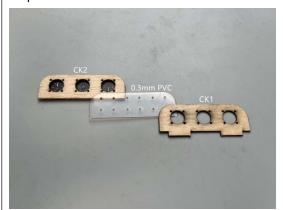
ASSEMBLY-Seats And Details







Step3





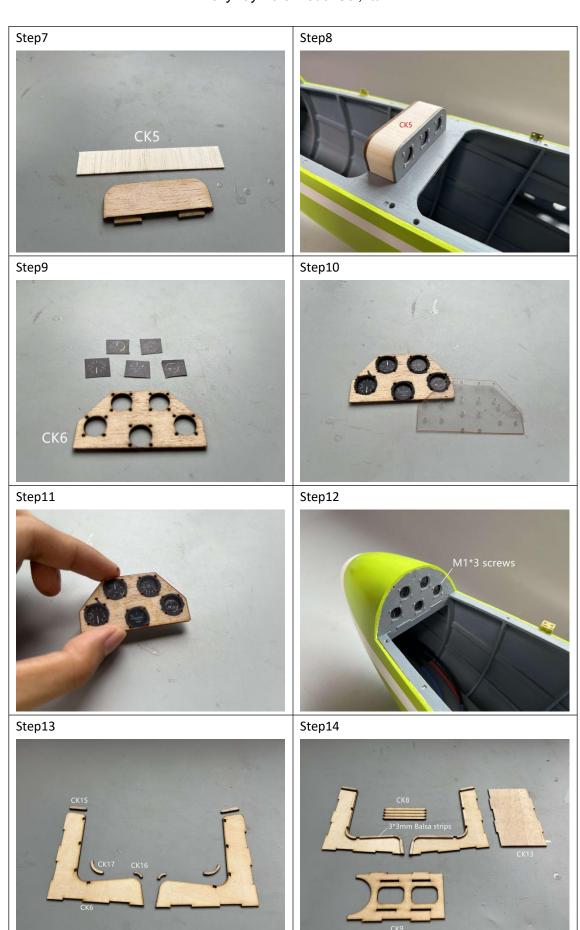


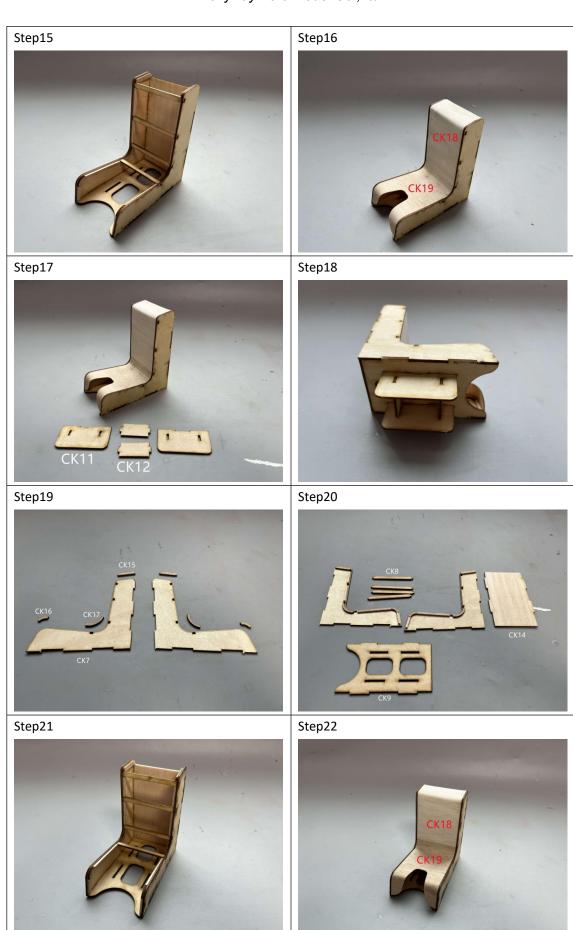
Step5



Step6

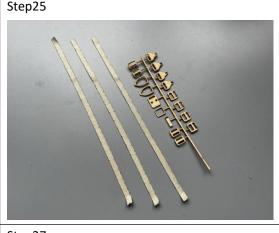


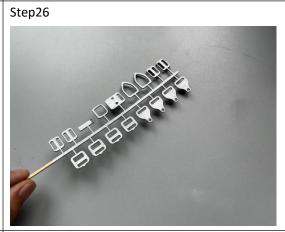








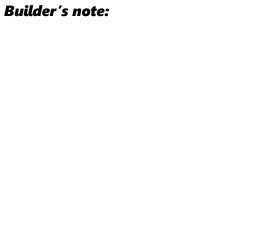




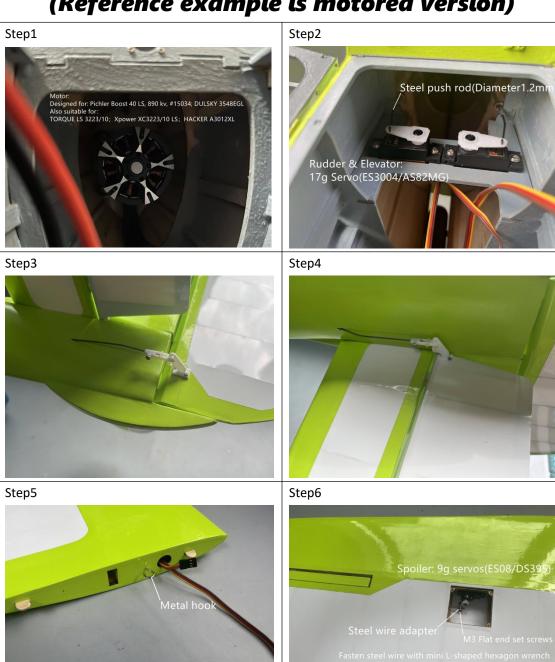








ASSEMBLY-Electronics (Reference example is motored version)





Builder's note:

BEFORE YOU FLY

1. CG: 85-90mm from the leading edge



2. Horizontal stabilizer mounting angle:



3.Control Travel	
ELEVATOR	±15°
RUDDER	±15°
AILERON	+30° -10°

Thank you!



