



VP2600 GLIDER

BUILDING INSTRUCTION



VALUEPLANES LASER-CUTTING KIT

SPECIFICATIONS:

Wingspan : 2600mm Length : 1350mm
 Flying Weight : 850g

Suggested Power :
 Motor:2212 1000kv Prop.:10"
 ESC:30A Batteries:3S 1800-2200mAh



Product List

NO.	Name	Spec.	QTY
VP-01	Fiber fuselage		1
VP-02	Carbon tail tube		1
VP-03	PVC hinge		3
VP-04	Self-tapping screw	1.7X10MM	4
VP-05	M2 screw	M2X8MM	1
VP-06	M3 screw	M3X25MM	3
VP-07	quick coupler		1
VP-08	Tee nut	M3	3
VP-09	M2.5 steel shaft	M2.5X40MM	1
VP-10	Ball stud	M2	1
VP-11	Steel pulling rod	1.2X110MM	1
VP-12	Rope	3 meters	1
VP-13	Carbon tube	10X450MM	1
VP-14	Carbon tube	5X580MM	1
VP-15	Carbon strip	1X5X1000MM	1
VP-16	Fiber parts	9pcs/set	1
VP-17	Carbon part for tailplane		1
VP-18	1:1 plan		1
VP-19	Building instruction		1
Wood	3MM plywood	laser-cutting	1
	4MM plywood	laser-cutting	1
	3MM balsa sheet	laser-cutting	4
	6MM balsa sheet	laser-cutting	2
	1.5MM balsa sheet	wing cover	3
	8X8 balsa stick	8X8X1000MM	2
	8X12 balsa stick	8X12X1000MM	3

VP-09		VP-01	
VP-08		VP-02	
VP-07		VP-03	
VP-05/06		VP-04	
VP-17		VP-10	
VP-16		VP-11	
VP-15		VP-12	
VP-14		VP-13	

KIT FEATURES

- Extremely lightweight.
- High quality epoxy parts including fuselage,tail etc.
- Fast-release wing and tail.
- Complete hardware pack.
- Extensive clear drawings and full-page colour instructions with hundreds of pictures .
- Only adhesives and coverings are required to complete the airframe.

GENERAL INFORMATION

BE SURE TO READ THE SAFETY INSTRUCTIONS CAREFULLY BEFORE OPERATING YOUR MODEL.

- Always follow the procedures and settings recommended in the instructions.
- If you are using remote-controlled model aircraft, helicopters, cars or ships for the first time, we recommend that you ask an experienced model pilot for help.
- Remote-controlled models are not toys in the usual sense and may only be used and operated by young people under 14 years of age under the supervision of adults.
- Their construction and operation requires technical understanding, careful craftsmanship and safety-conscious behaviour.
- Mistakes or negligence during construction, flying or driving can result in considerable damage to property or personal injury.
- Since the manufacturer and seller have no influence on the proper construction/assembly and operation of the models, these risks are expressly pointed out and any liability is excluded.
- Propellers on aircraft and all moving parts in general pose a constant risk of injury. Avoid touching such parts at all costs.
- Note that motors and controllers can reach high temperatures during operation. Avoid touching such parts at all costs.
- Never stay in the danger area of rotating parts with electric motors with connected drive battery.
- Overcharging or incorrect charging can cause the batteries to explode. Make sure the polarity is correct.
- Protect your equipment and Models from dust, dirt and moisture. Do not expose the equipment to excessive heat, cold or vibration.
- Always check your equipment for damage and replace defects with original spare parts.
- Do not use equipment that has been damaged or got wet due to a fall, even if it is dry again!
- Do not make any changes to the remote control which are not described in these instructions.
- Before the first flight, check the wing symmetry, tail unit and fuselage. All parts of the model should have the same spacing from the left and right wing or tail plane to the centre of the fuselage or the same angle.

ATTENTION, DANGER OF INJURY!

- Always keep a safe distance from your model aircraft.
- Never fly over spectators, other pilots or yourself.
- Always perform flight figures in a direction away from the pilot or spectators.
- Never endanger people or animals.
- Never fly near power lines or residential areas.
- Do not operate your model near locks or public shipping.
- Do not operate your model on public roads, motorways, paths and squares, etc., but only in approved locations.
- Do not operate the model in thunderstorms.
- Before each flight, check your remote control system for sufficient function and range.
- After flying, remove all batteries from the model.

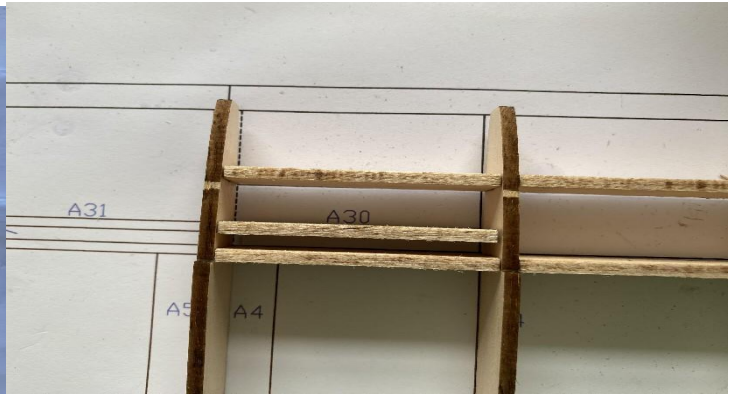
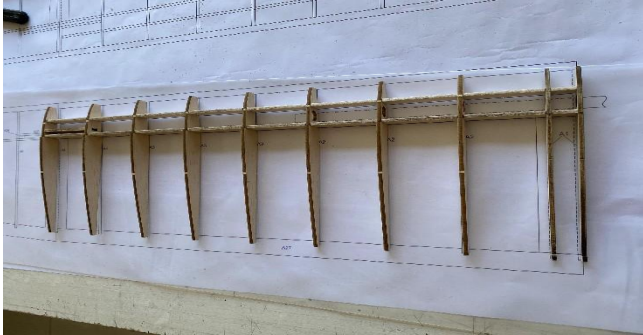
Do not „aim“ the transmitter antenna at the model during operation. In this direction, the transmitter has the lowest radiation. The best position of the antenna is to the side of the model.

Use of devices with image and/or sound recording function:

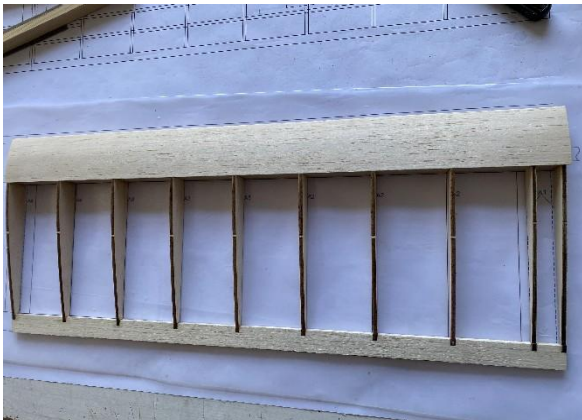
BUILDING INSTRUCTION

1 WINGS&TAIL ASSEMBLY

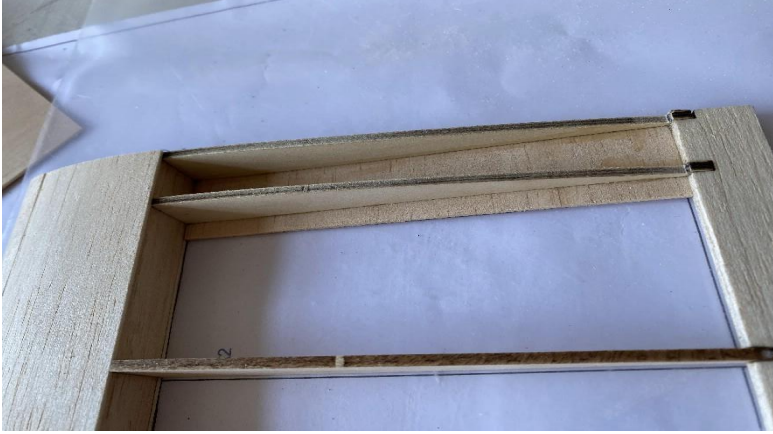
1) Arrange the wing ribs and wing plate according to the drawing number, then assemble the wing trailing edge, insert the PVC sleeve, and secure it with quick-drying glue.



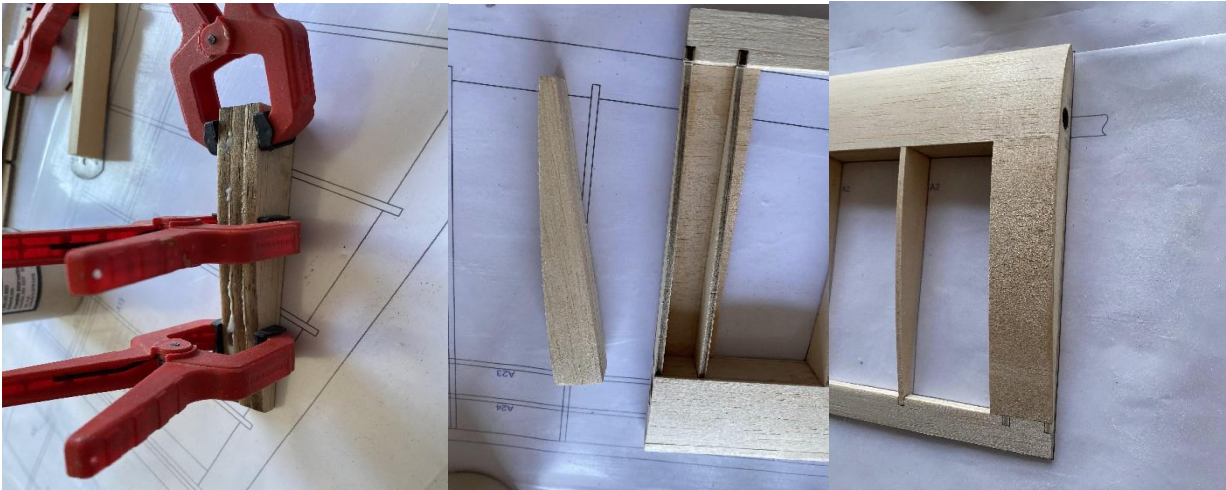
2) Glue the upper and lower wing coverings, and glue 8X12MM balsa strips to the leading edge of the wing and polish it.



3) Glue the lower covering of the middle wing with 1.5mm balsa sheet.



4) Glue 3 pieces of A36 into one piece and fill them into the middle of the A1 wing rib with wood glue, and glue upper covering.(3pcs of A36 are used as reinforcement for fixing screws later)



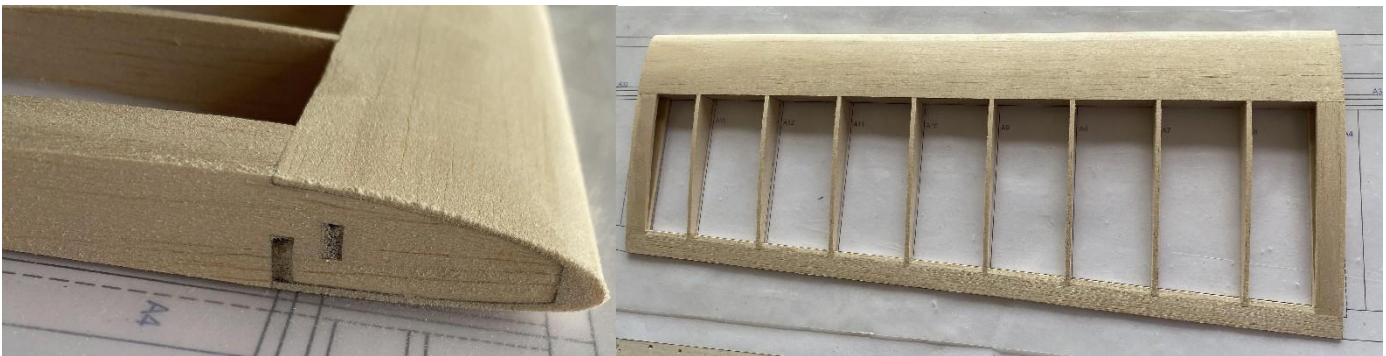
5) Cut 3MM balsa pieces into 10MM width and glue to the wing ribs for strengthening.



6) Assemble the middle wing rib and wing plate, and glue the wing trailing edge.



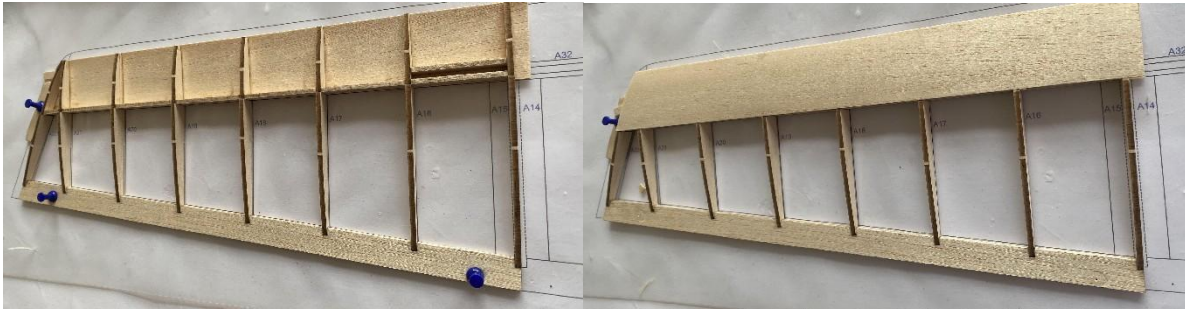
7) Glue the upper and lower covering and the leading edge balsa stick then polish it.



8) Assemble the wing tip&rib and wing plate, and glue the wing trailing edge.



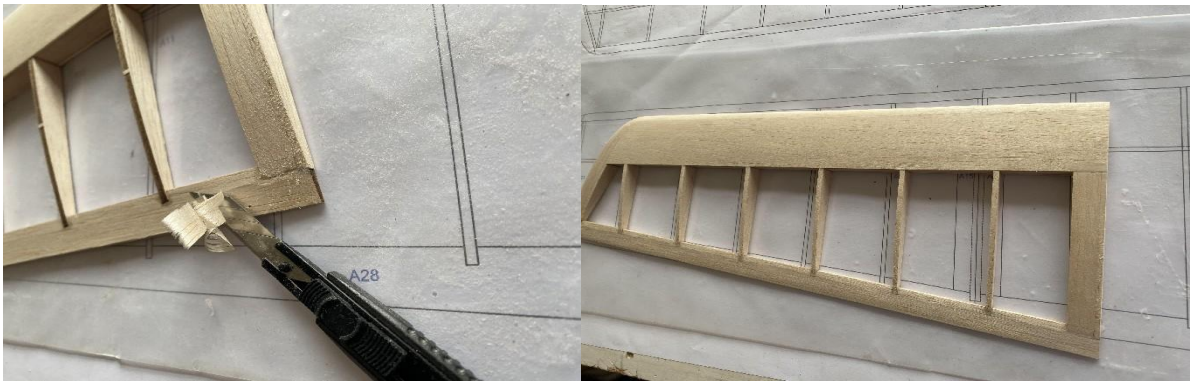
9) Glue the upper and lower covering and the leading edge balsa stick then polish them.



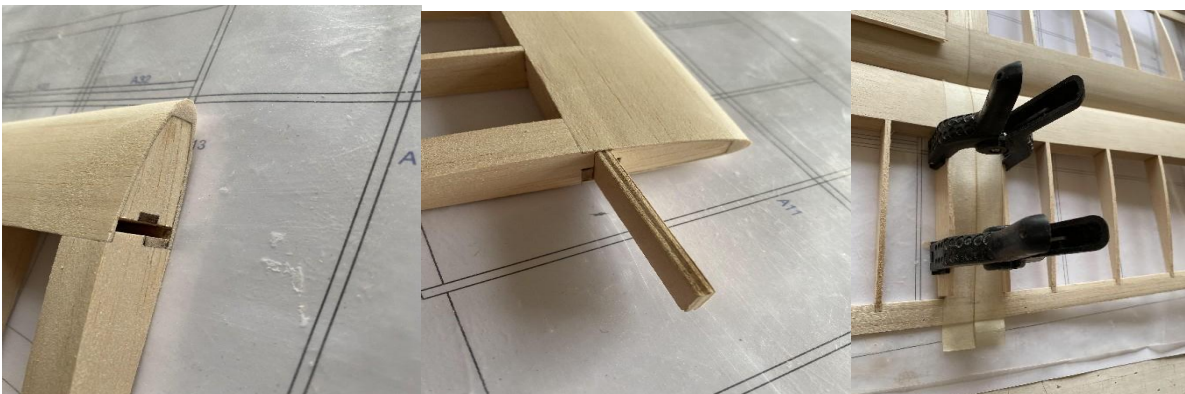
10) Glue balsa on wing tips and polish it.



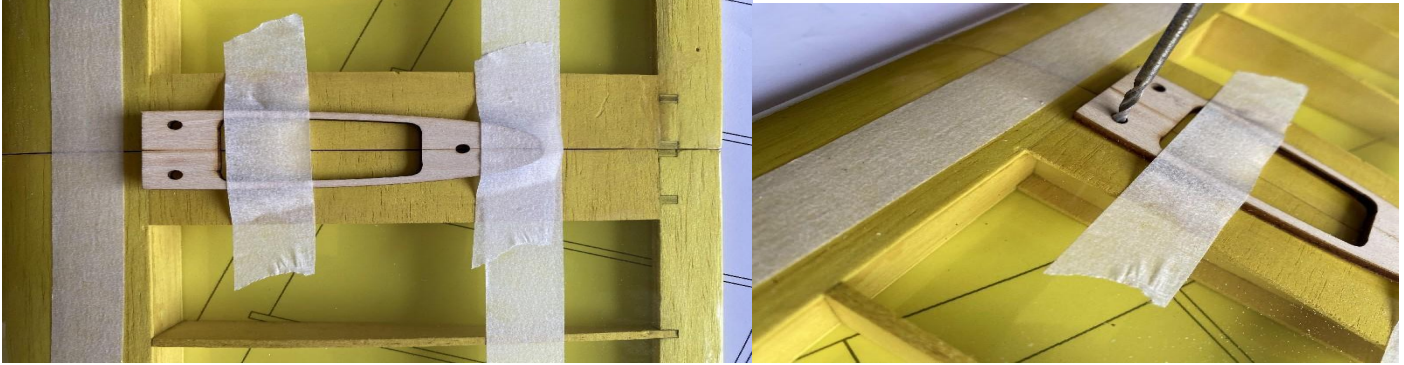
11) Trim and smooth the trailing edge of the wing.



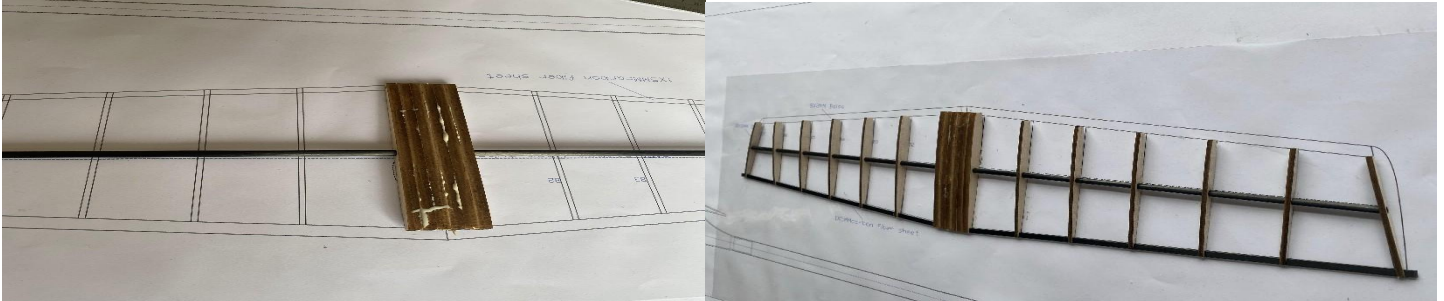
12) Remove excess balsa from the wing latch and glue the wing.



13) After joint the left and right wings, use the template to position and drill the fixed holes. (The left and right wings are fixed without glue, easy to disassemble and transport).



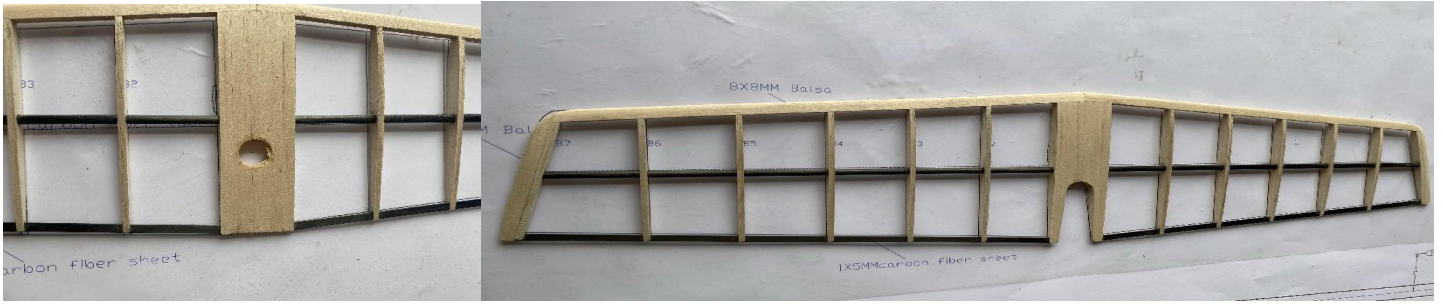
14) Assemble 6 pcs of B1 balsa and insert 5MM carbon tube, keep the carbon tube in the middle position, then assemble both wing ribs, and glue 1MM carbon sheet at the rear edge.



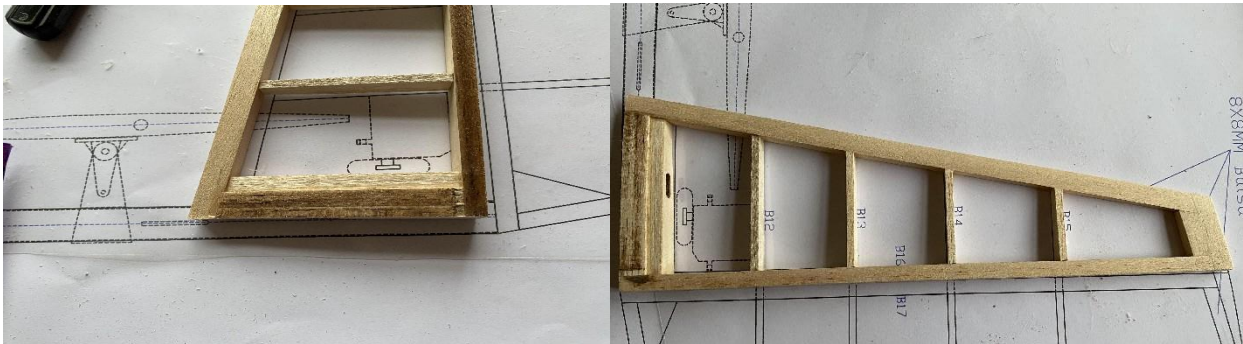
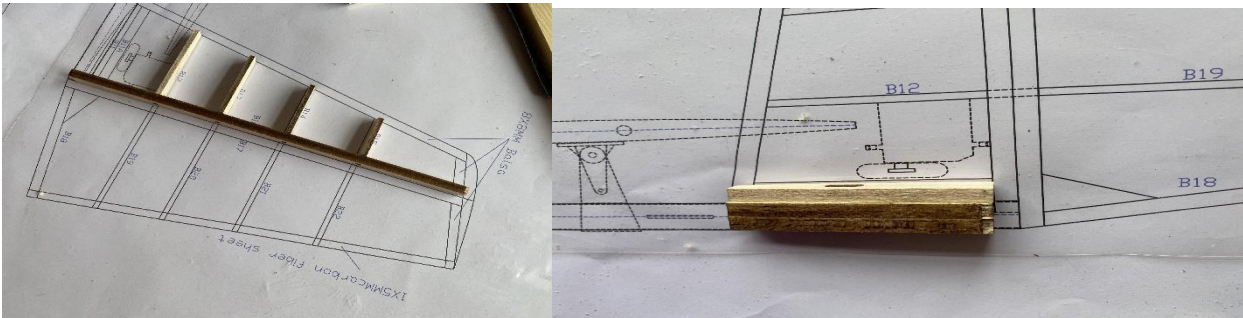
15) Glue the leading edge balsa stick and wing tip balsa ,then polish them.



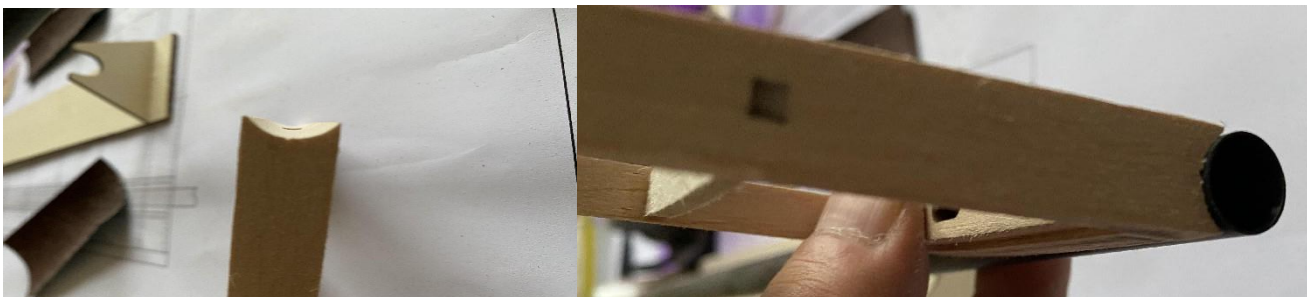
16) Cut off the excess balsa in the middle.



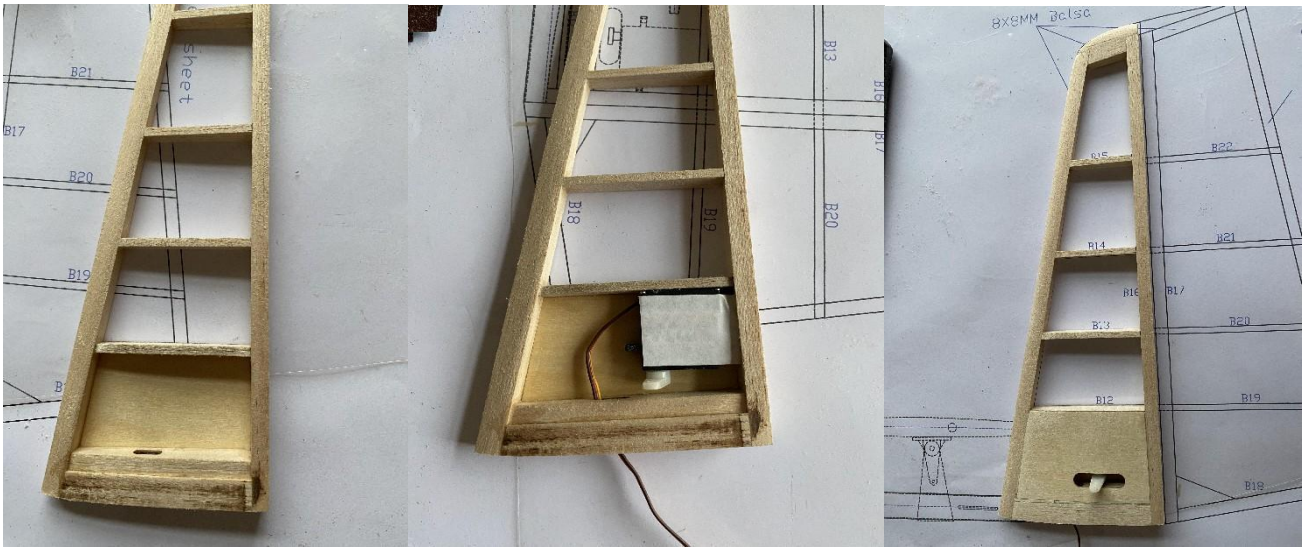
17) Assemble and glue the vertical tail parts and polish.



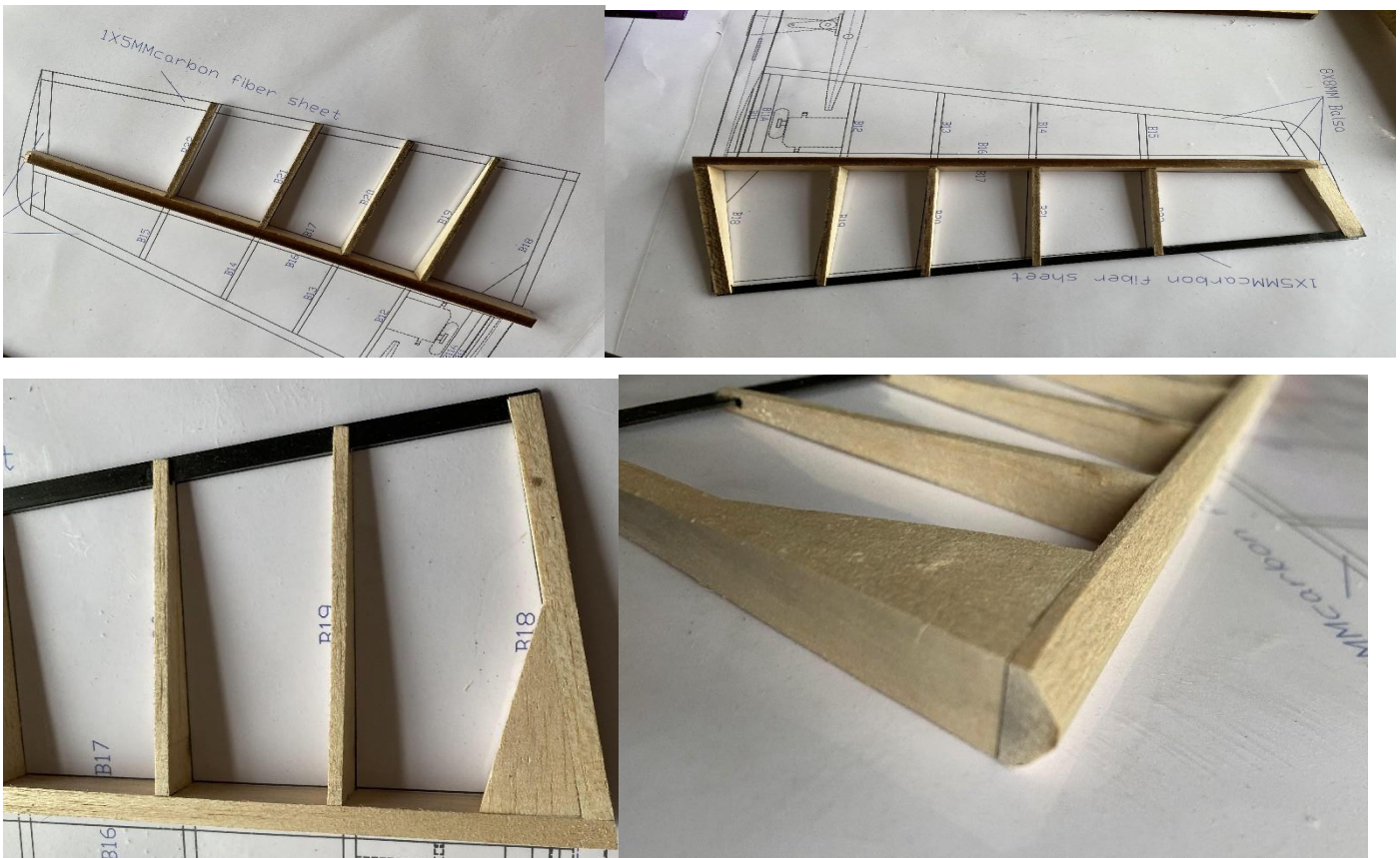
18) Wrap the tail pipe with sandpaper, then shape the bottom of the vertical tail into U-shape.



19) Glue 1MM plywood on the right side of the vertical tail, and fix the servo with double-sided tape or other glue (adjust the neutral point of the servo before fixing the steering gear). Servo wires are threaded through the hole at the bottom, then glue 1MM plywood on the left. The servo will be removed.



20) Assemble the rudder according to the drawing and polish the V-shaped angle.

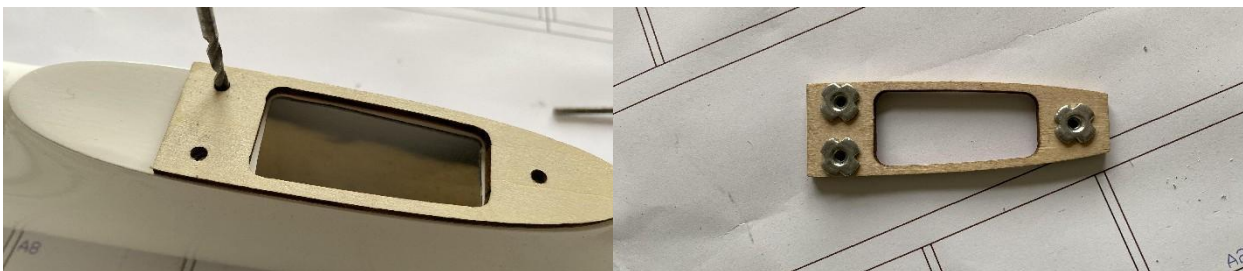


2 FUSELAGE ASSEMBLY

1) Cut the head part, and install the motor mount(fiberglass), then put it into the cabin and fix it with epoxy glue, and locate the center of the motor with the spinner.



2) Position the hole with the template, install the tee nuts on B24 plywood inside of the fuselage, and fix to the body with epoxy glue.(Starch or other substances can be added to the resin glue to reduce the fluidity of the glue.)

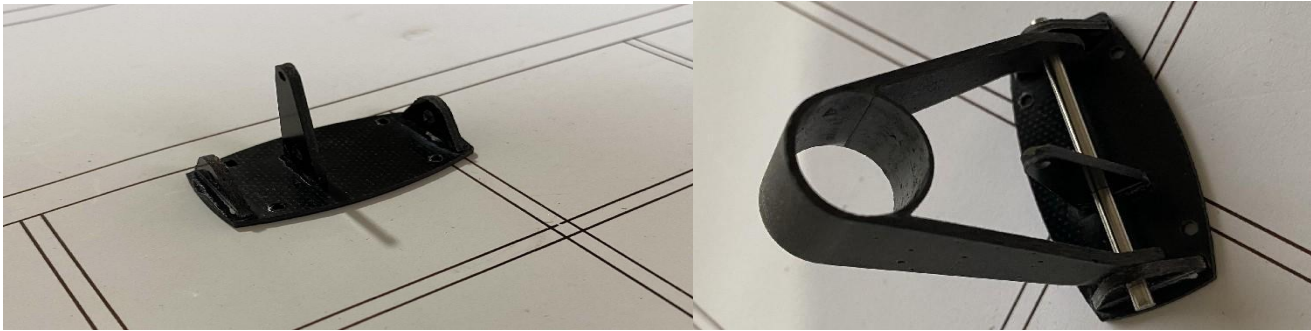


3 INTEGRAL ASSEMBLY

1) Install constructed wings to the fuselage, glue to the tail tube to the fuselage , then the carbon sheet is passed through the tail tube to adjust the horizontal position.



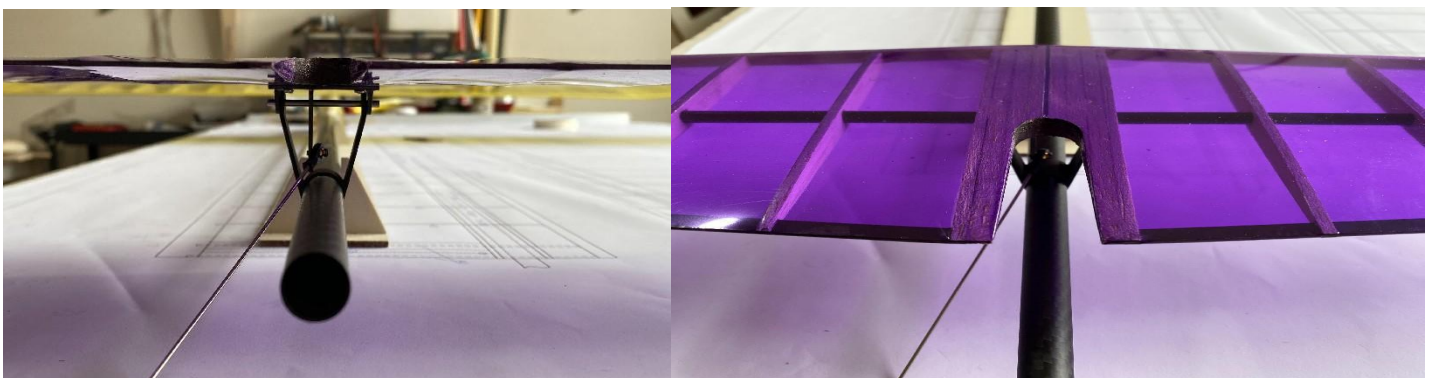
2) Assemble the horizontal tail mount and fix it with glue.



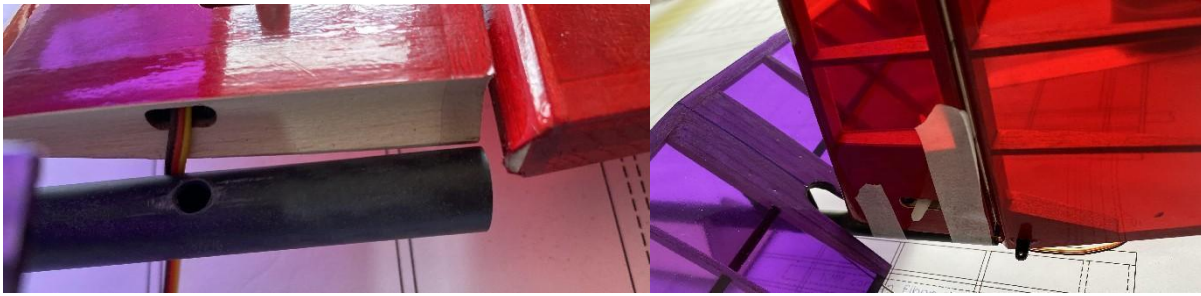
3) Fix the horizontal tail mount to the tail (Notice !!! : 30MM from the leading edge of the tail.)



4) Glue the mount to the tail with epoxy glue, and keeping it level.



5) Compare the position of the servo wires, and drill a 4MM hole in the tail tube, then thread the servo wires into the tail tube. Connect the servo extension wires to the position of the cabin, glue the vertical tail and the carbon tube, and pay attention to adjusting the verticality.



6) Glue servo mount, install the servo, and connect the rudder with the pull-pull rope.



7) Fix a 1.2MM steel wire with epoxy glue in the middle of the carbon cabin cover (used as the clips).



4 FINISHED

