

J-3 Balsa Wood Airplane

Instruction Manual V 3.0



Specification

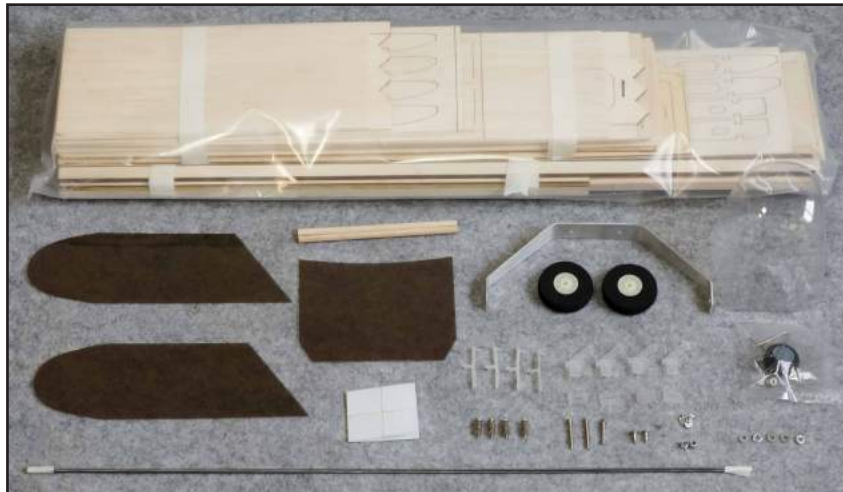
Wingspan: 1180mm
 Length: 700mm
 Flying Weight≈600g

Suggested Equipment

Motor: 2212 1100KV
 Propeller: 9-10 inch
 ESC: 20A
 Servos: 9g*4
 Battery: 3s 2200-2600mAh
 Radio: ≥4CH



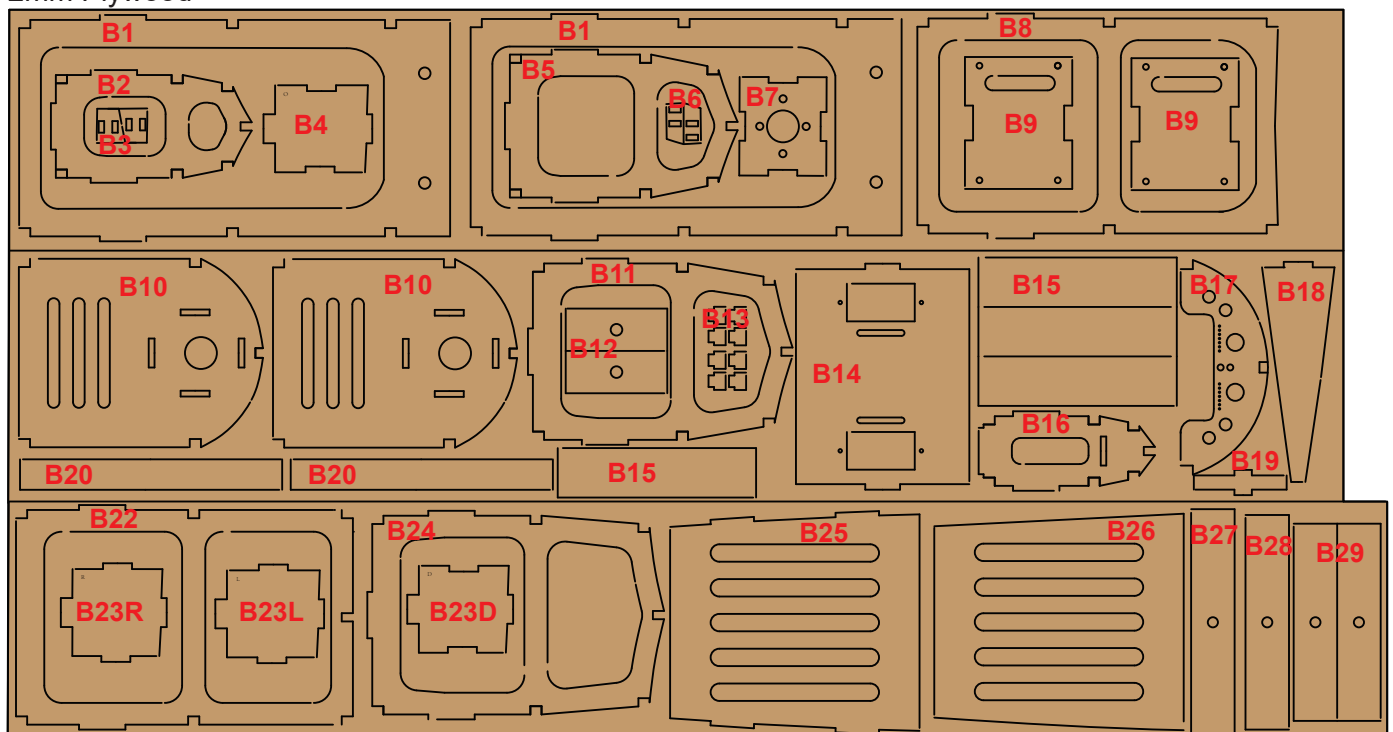
Accessories include :



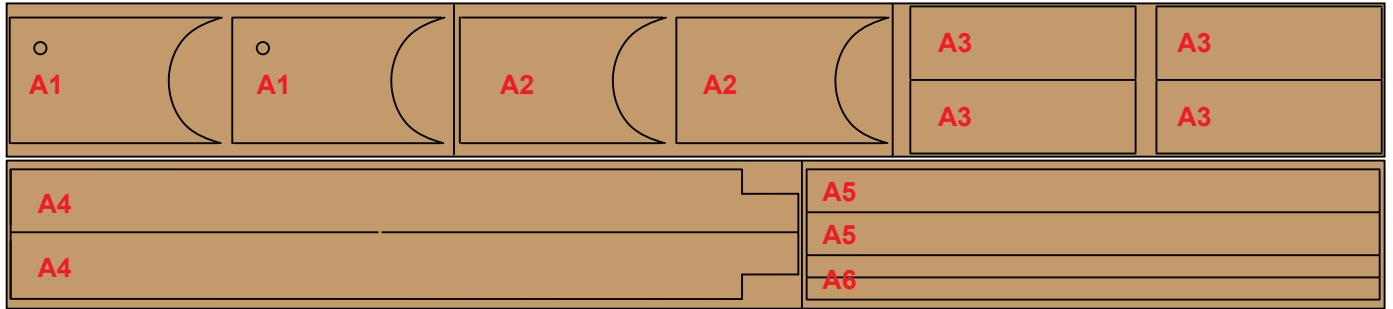
Tool needed :



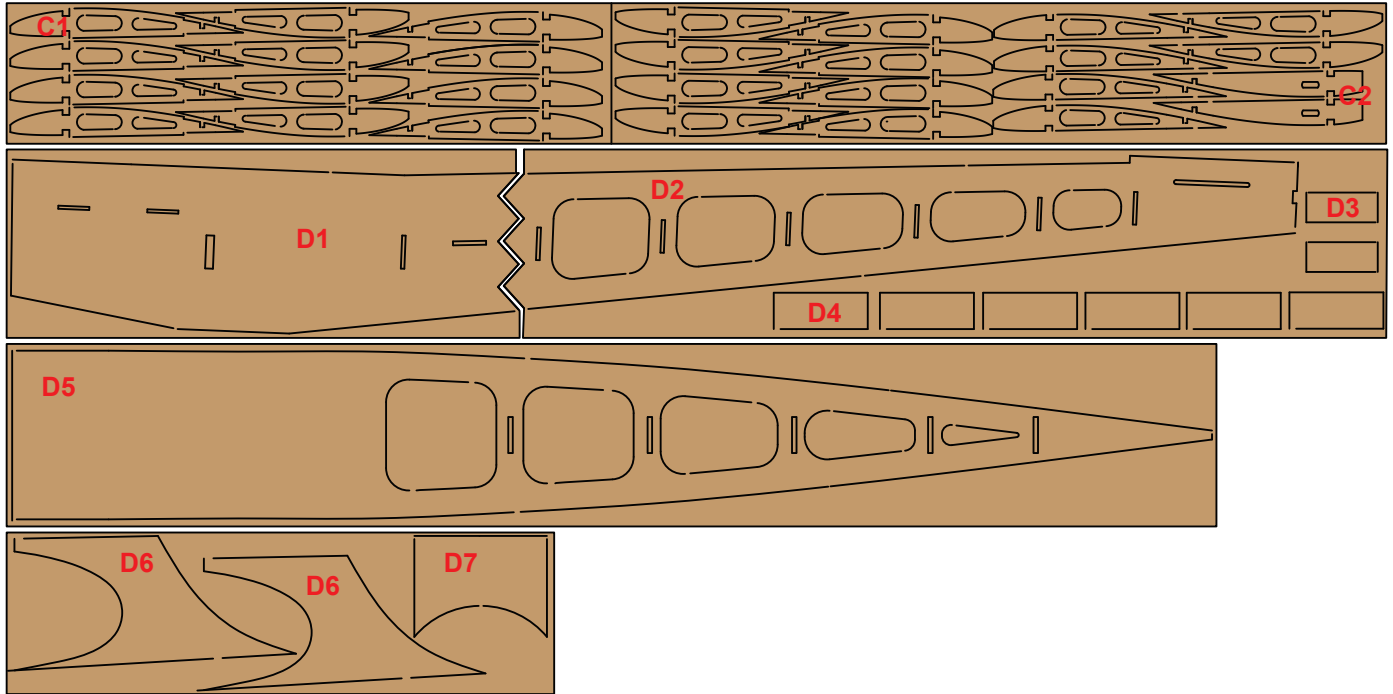
2mm Plywood



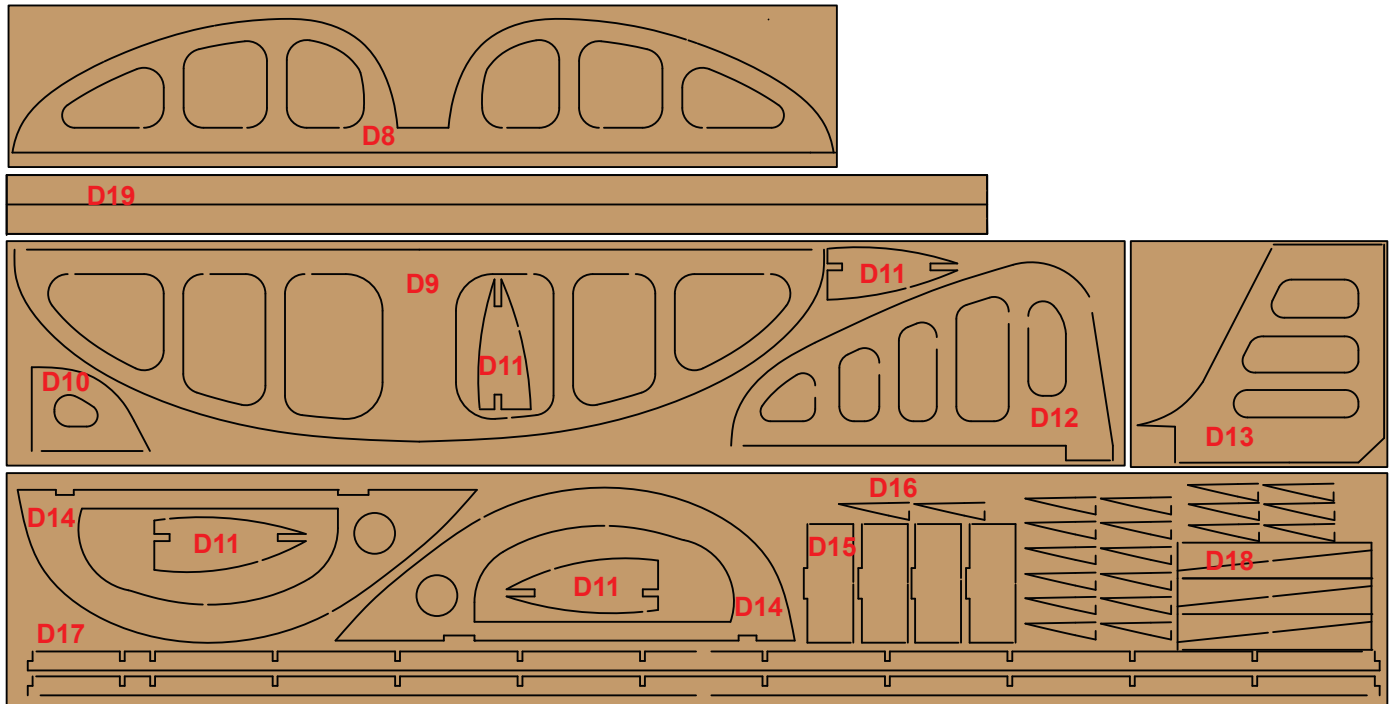
1.5mm Balswood



2mm Balswood



3mm Balswood

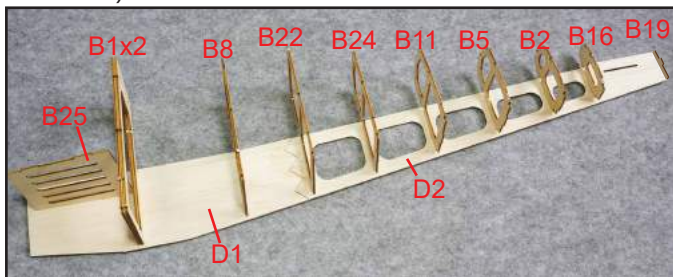


5mm Balswood



1. Assemble the Fuselage

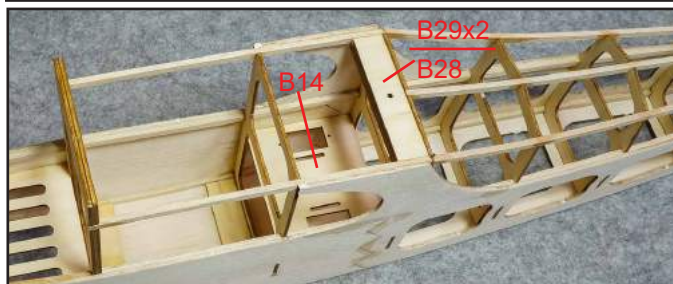
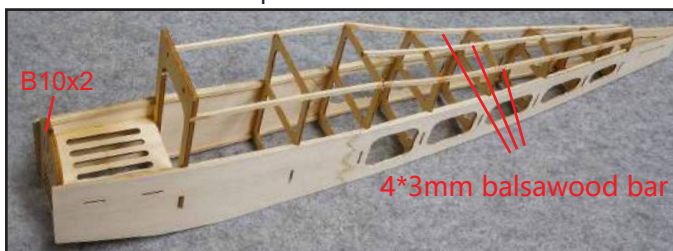
1.1 Glue together the side plate D1, D2; Assemble the fuselage frame in order as the picture shown below. (Do not glue them now)



1.2 Assemble another side plate and balsa wood strips. Adjust the fuselage, and make sure it's straight, finally glue at each junctions.



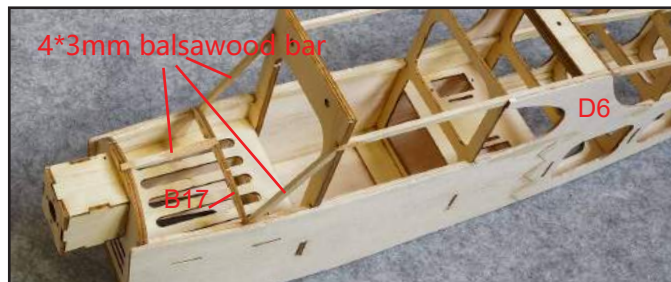
1.3 Assemble the firewall board for fuselage head, then assemble the balsa strips for back.



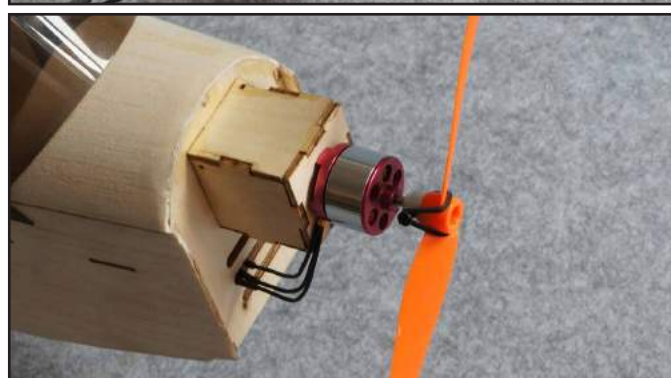
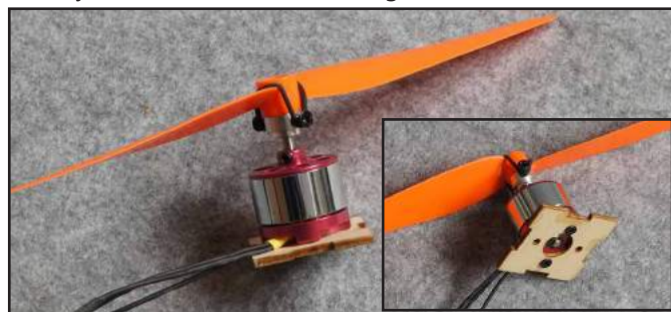
1.4 Assemble the balsa strips for fuselage bottom, and glue the bottom board.



1.5 Assemble and glue the motor mounting base (Pls do not glue the B7 currently), then glue the side cover D6 and the head cover D7.

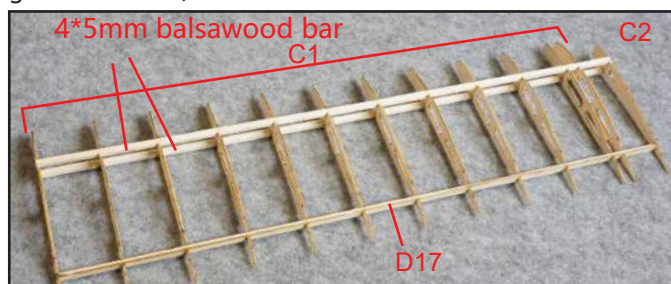


1.6 Assemble the motor onto the B7 as picture shown below, and then glue the B7 part (motor already installed already) onto the motor mounting base.

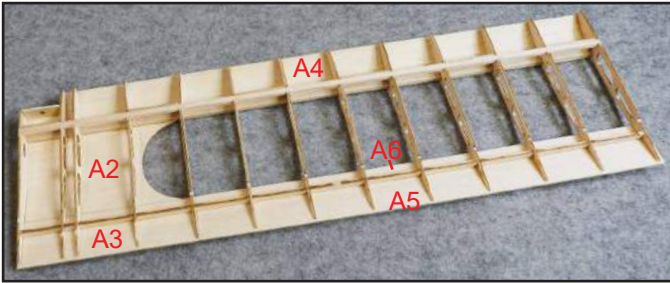


2. Assemble the Wing

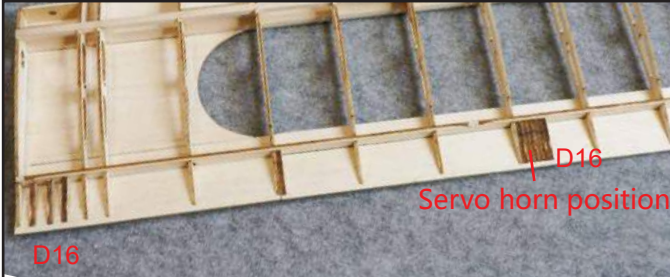
2.1 Assemble the spar and ribs as picture shown (Do not glue them now)



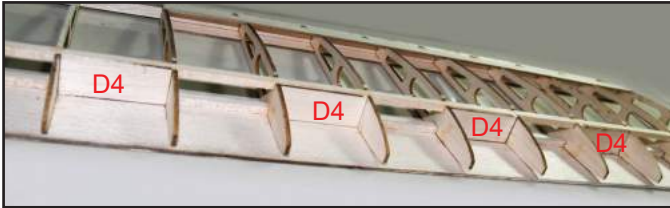
2.2 Glue the upper wing cover, and make sure the wing is straight.



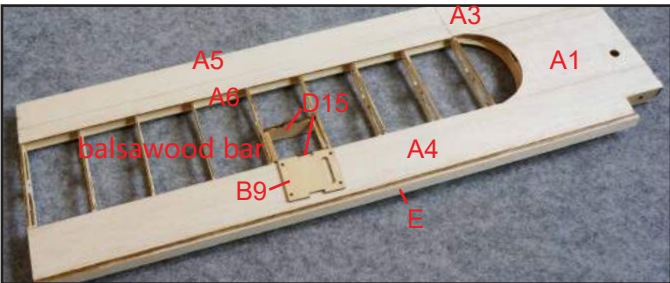
2.3 Glue the upper wing cover, and make sure the wing is straight.



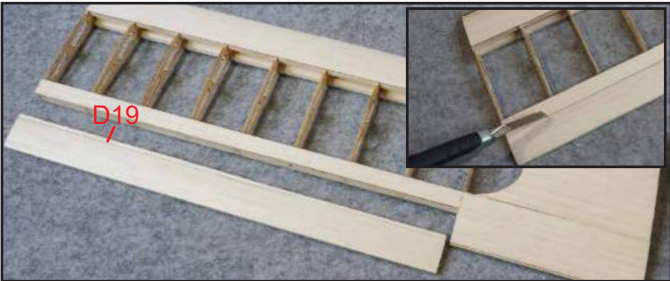
2.4 Add the reinforcement pieces D4 at the leading edge of the wing as picture shown.



2.5 Glue the lower wing cover, servo hatch and leading edge E of the wing.



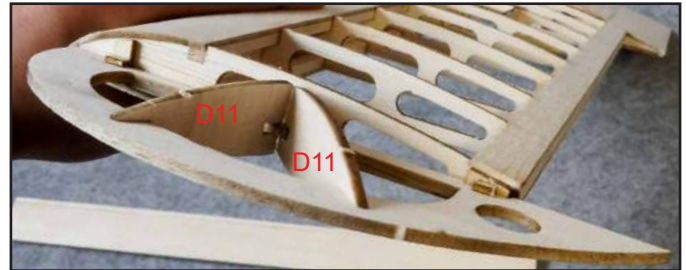
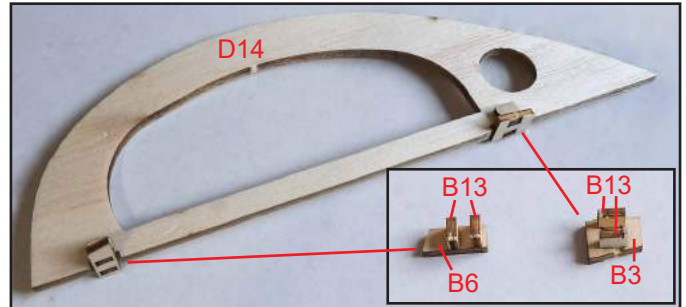
2.6 Cut off the aileron, and glue the reinforcement balsawood strips D19.



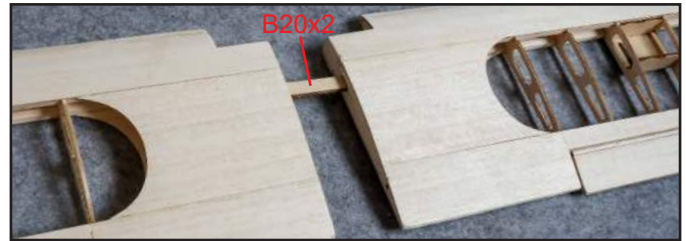
2.7 Cut the leading edge of the wing and aileron edge, to make sure the wing in curved shape, and polish with sand paper.



2.8 Assemble the wing tips and glue onto the wing.

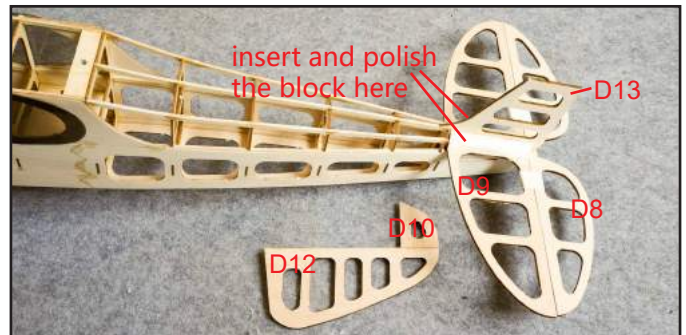


2.8 Assemble another wing in same way, and connect together the two wings by B20, finally fix with glue at junctions.



3. Assemble the tail wing and landing gear.

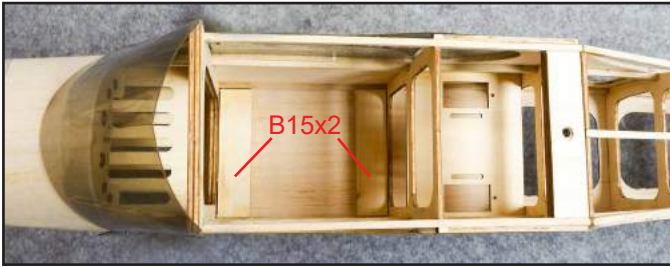
3.1 Assemble the tail wing as picture, and connect the D9 D8 by paper hinges.



3.2 Assemble the tail wheel and rudder, and connect the rudder by paper hinges and vertical fin.



3.3 Glue the B15 inside the fuselage as picture shown, assemble the landing gear onto the B15 at the bottom of the fuselage with self-tapping screws.

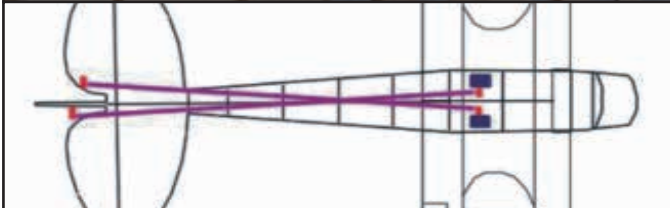


4. Assemble the components and power

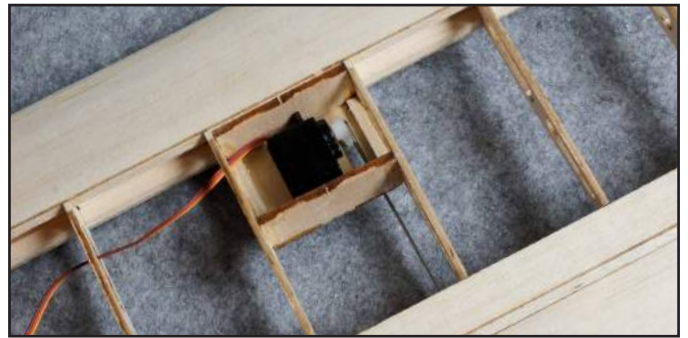
4.1 Assemble the servos inside the fuselage, connect the pull rod with servo arm, and insert the other end of the pull rod through the preserved hole of the tail end.



4.2 Assemble the servo horns on the elevator and rudder, and connect the pull rods with the horn.



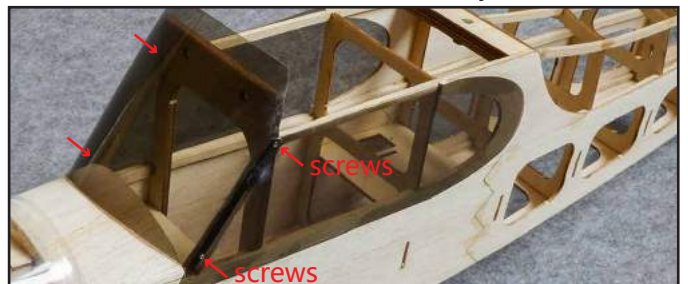
4.3 Assemble the servo on the wing, assemble the servo horn on the aileron, and connect the pull rods as picture shown.



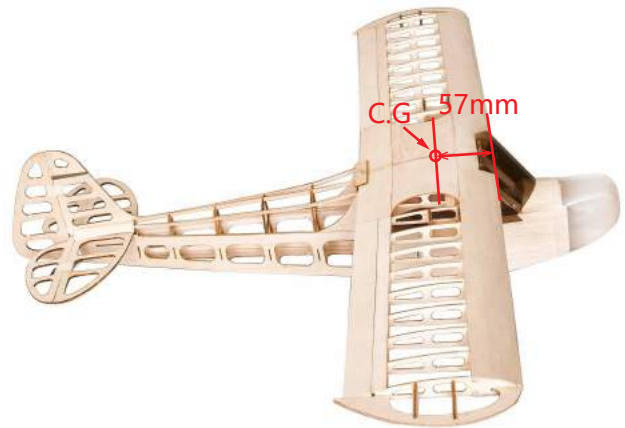
4.4 Assemble and fix the wing onto the fuselage by screws as picture shown.



4.5 Assemble and fix the windshield by screws.



4.6 Install the battery hatch, put the battery inside and cover with B26.



Assemble the cover and cowling



ADDITIONAL SAFETY PRECAUTIONS AND WARNINGS

Age Recommendation: This is not a toy, not for children under 14 years old.

1. Always keep a safe distance in all directions around your model to avoid collisions or injury. The model is controlled by a radio subject to interference from many sources outside your control. Interference can cause momentary loss of control.
2. Always operate your model in open spaces away from full-size vehicles, traffic and people.
3. Always carefully follow the directions and warnings for this and any optional support equipment (chargers, rechargeable battery packs, etc.).
4. Always keep all chemicals, small parts and anything electrical out of the reach of children.
5. Always avoid water exposure to all equipment not specifically designed and protected for this purpose. Moisture causes damage to electronics.
6. Never place any portion of the model in your mouth as it could cause serious injury or even death.
7. Never operate your model with low transmitter batteries.

