

Minimum RC™

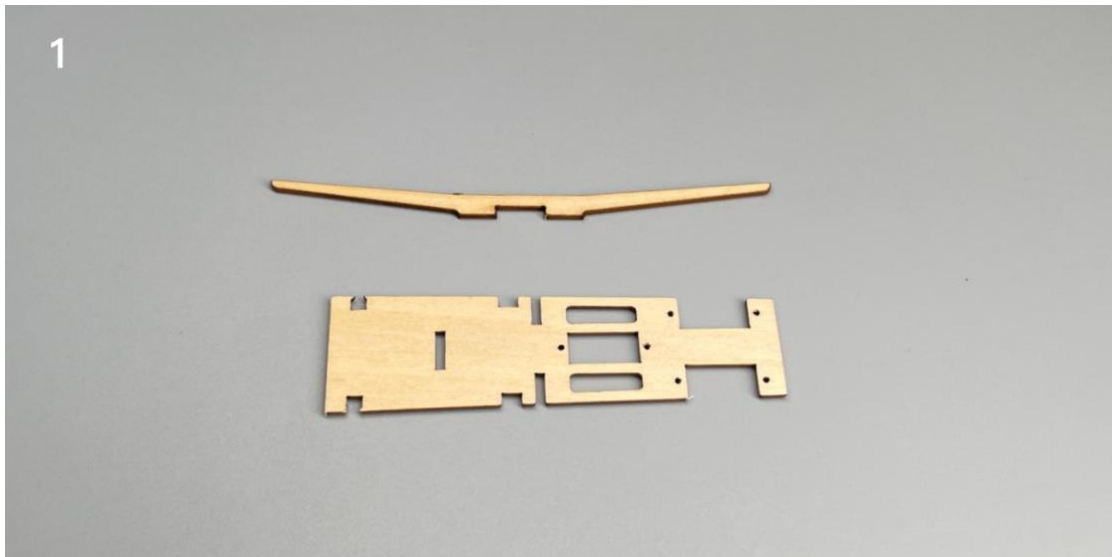
Macchi M-33 Assembly Instructions



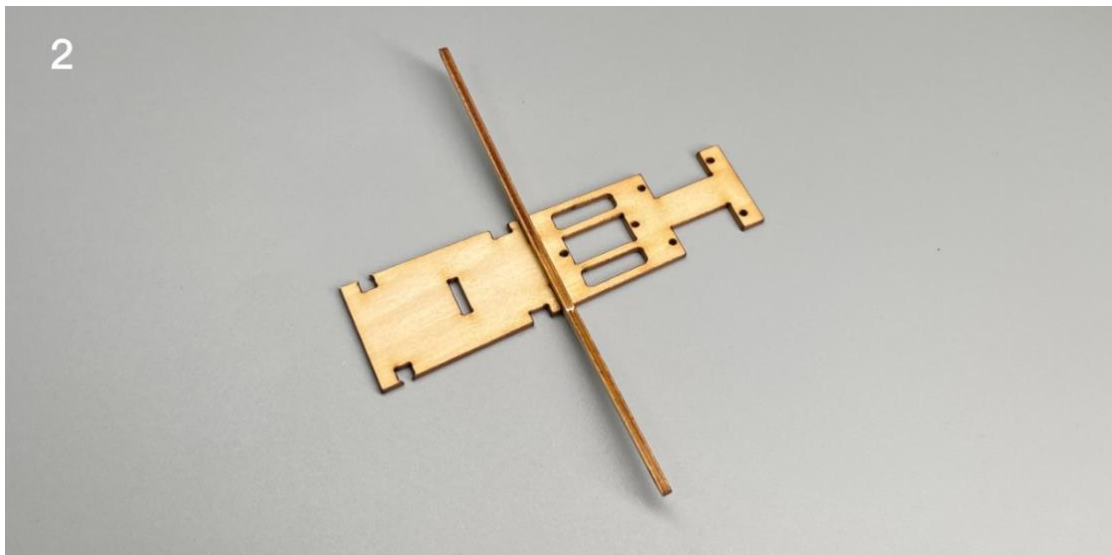
Important notification

- 1.The model is supplied with UFO and 502 glue. UFO is for bonding foam parts, and 502 for bonding wood, carbon fiber and metal parts. 502 glue will cause serious corrosion to foam parts.
- 2.Please wait for the glue to dry and solidify in each installation step before the next installation.
- 3.Please avoid using flame to heat the heat shrinkable tube on the model. Electric iron shall be used for heating.
- 4.Please use razor blade to remove the parts from the plate. Do not tear the parts by force.

1. Fuselage internals.

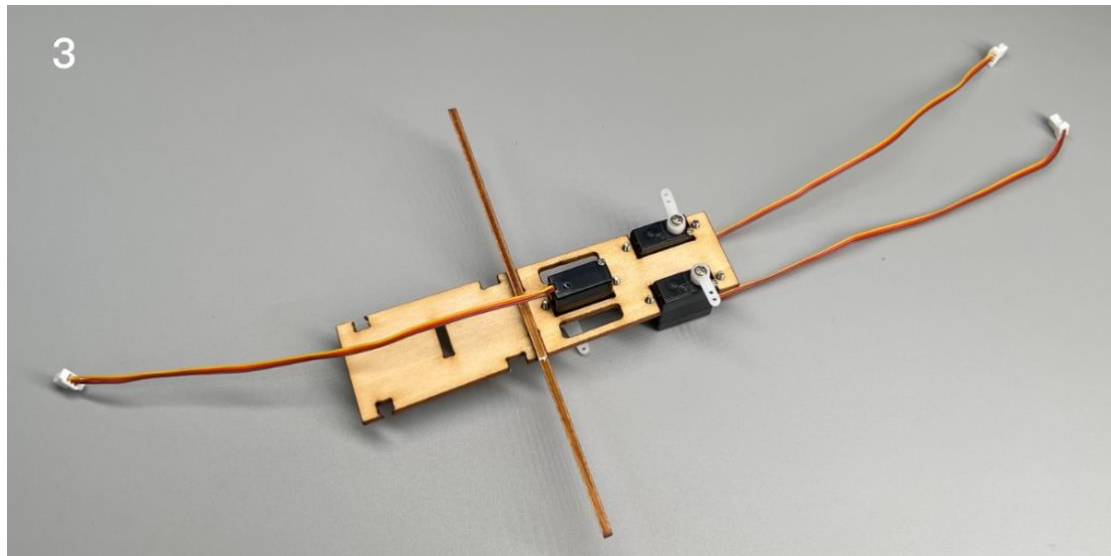


2. Bond the plywood structure with CA glue.

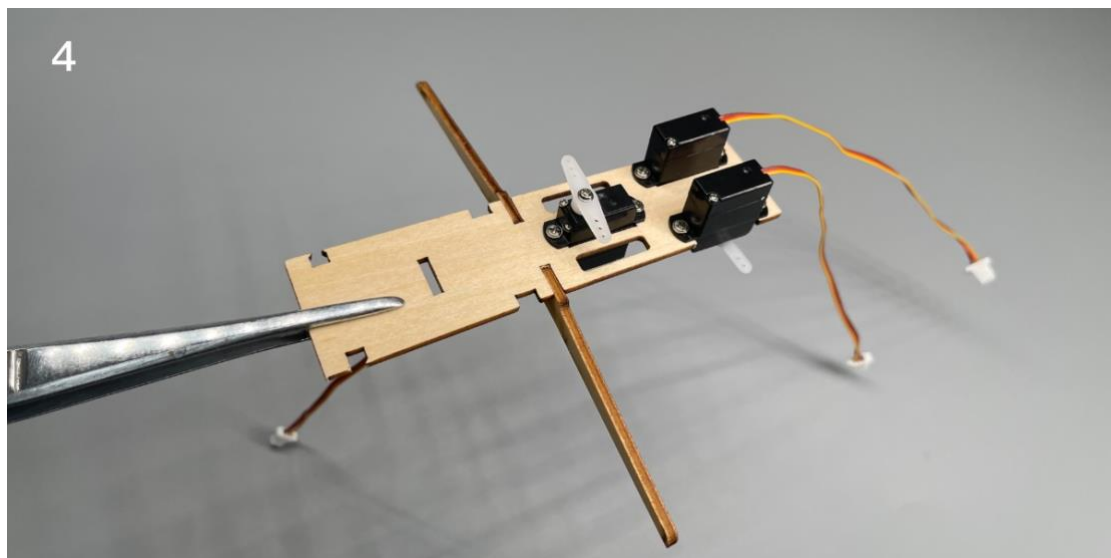


3. Connect the servos to a powered receiver. Bind the receiver with your transmitter to make the servos arms return to their neutral point. Test whether the servos are working correctly, and install the servo arms according to the position shown in the picture.

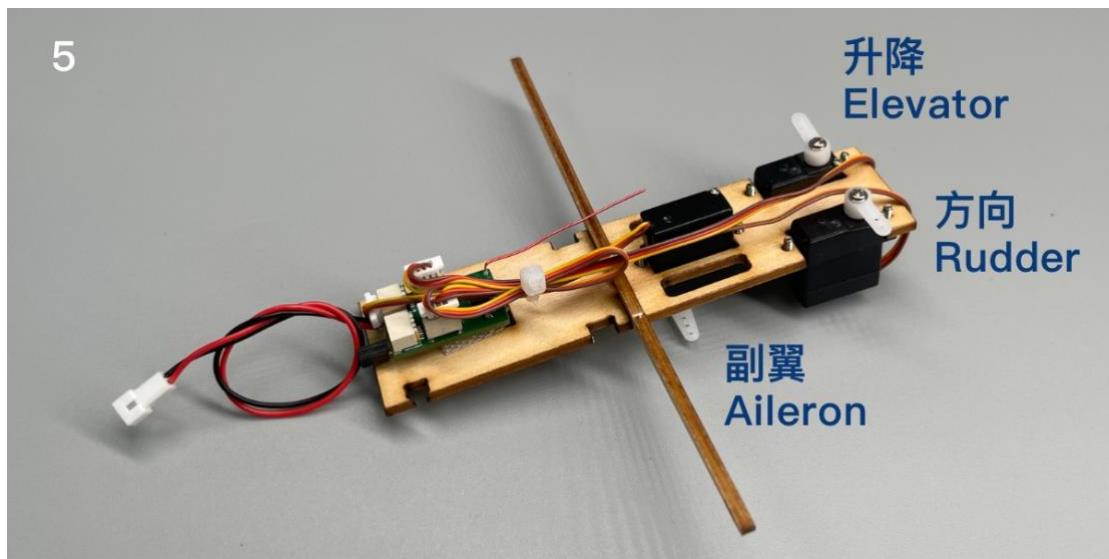
Note: Please make sure that the servos have been tested and installed in strict accordance with the following picture. After assembling the model, it will be not able to adjust.



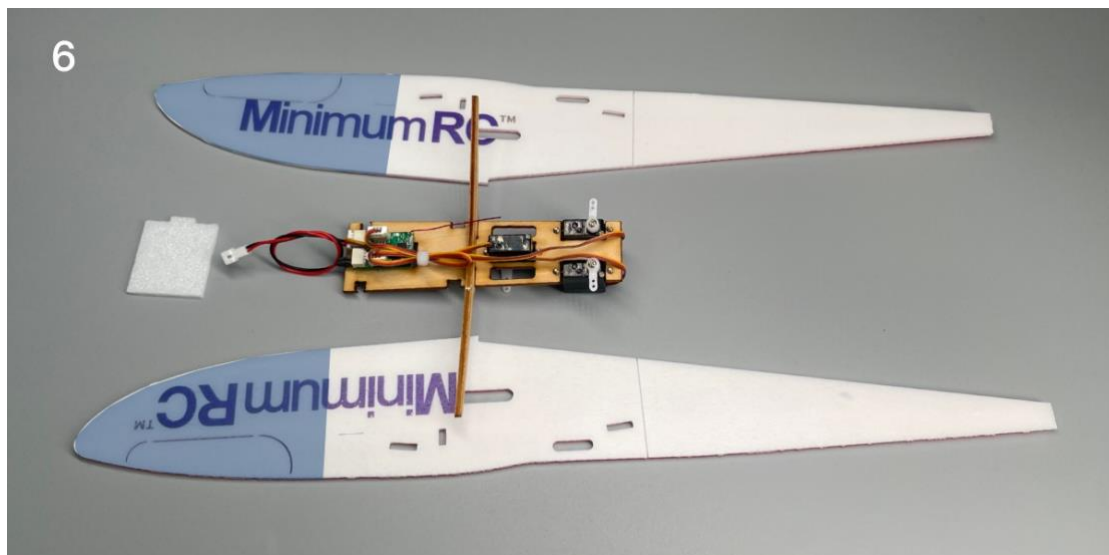
4. (Bottom view) The three servos are installed and fixed under the plywood board.



5. Connect the receiver to the servos. Test whether the corresponding relationship between the three servos and the transmitter channel is correct. Fix the receiver with Velcro and tie the cables.



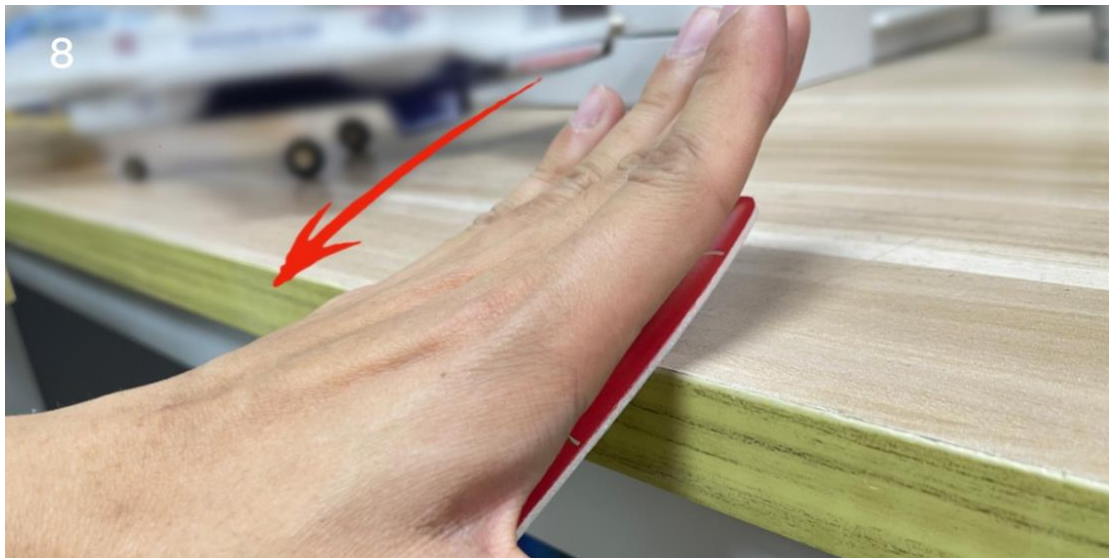
6. Bend the front part of the two fuselage side panels inward as shown in the figure. See steps 7-8 for the method.



7. Place the part to be bent tightly on your palm.



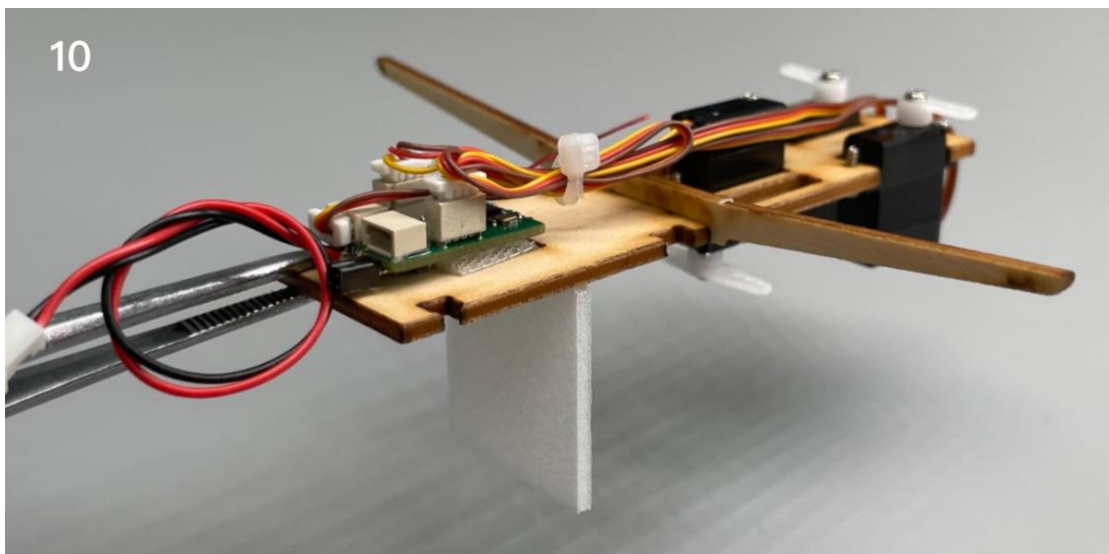
8. Press the position where the part needs to be bent on the edge corner of the desktop, keep the palm close to the part, and slide down.



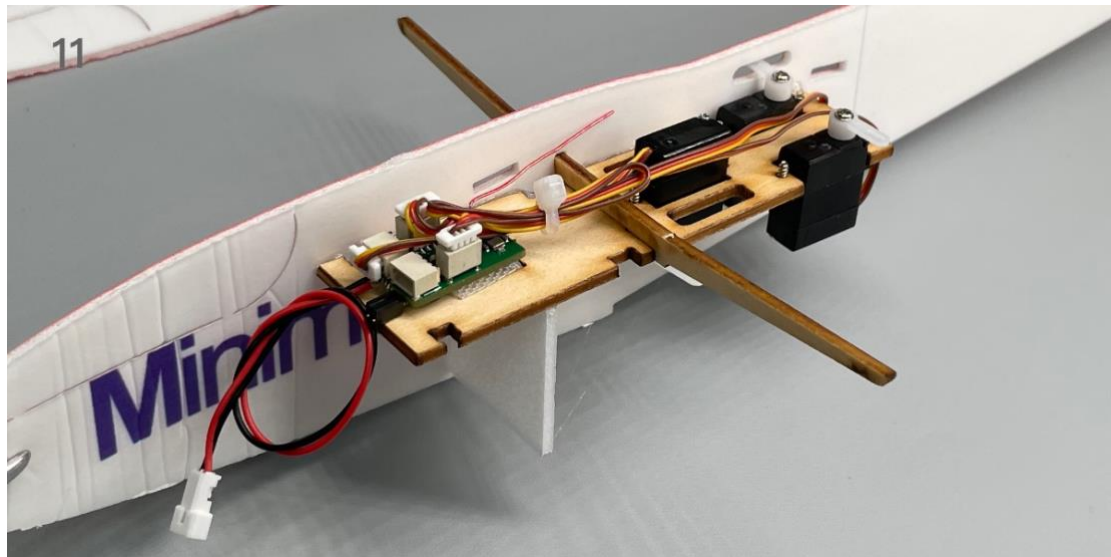
9. Fuselage parts bended.



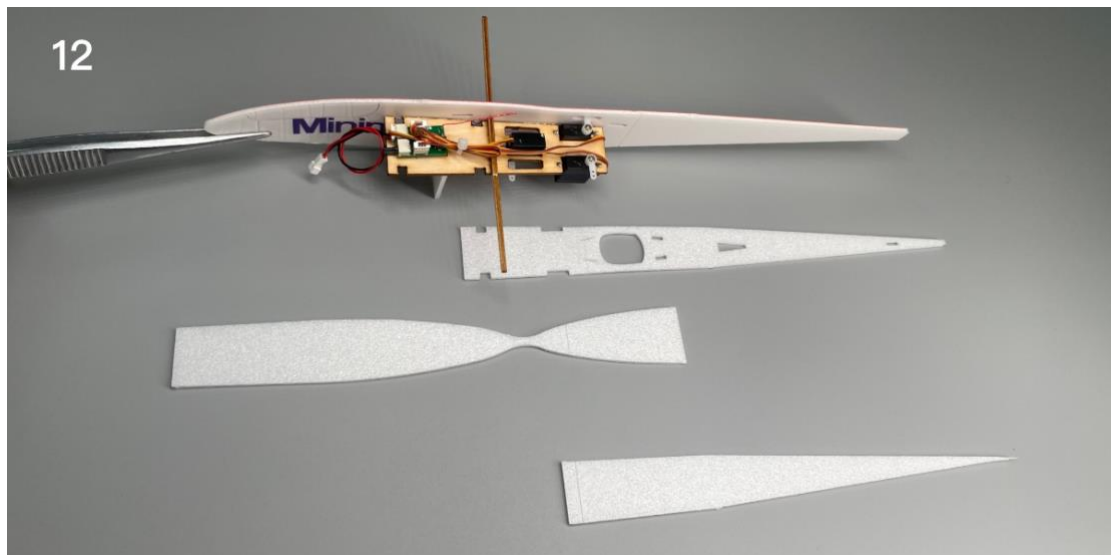
10. Install the fuselage baffle.



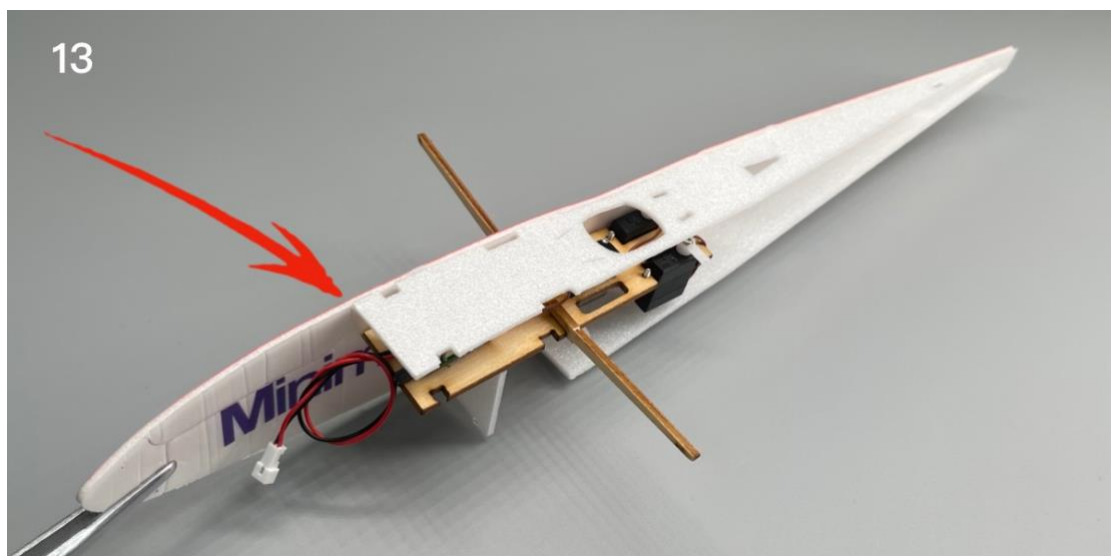
11. Align the marking line on the inside of the fuselage and fix the wooden framework with glue.



12. Press the top plate and bottom plate of the fuselage and bend them into the corresponding shape. Fix the top plate and bottom plate of the fuselage with glue.



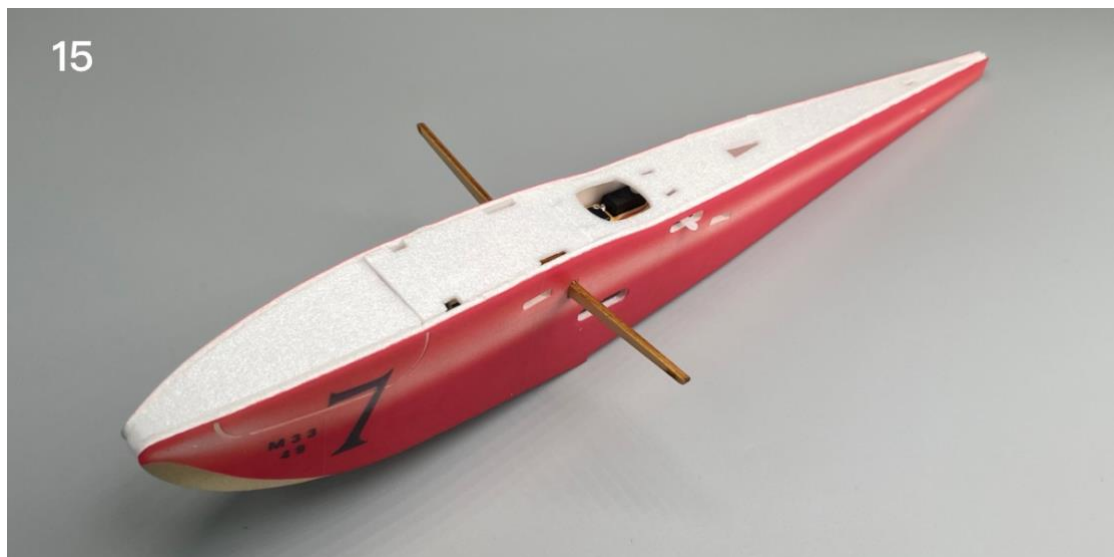
13. Note that the front end of the fuselage roof should align with the cutout on the fuselage.



14. Fix the top and bottom strip of the fuselage with glue.



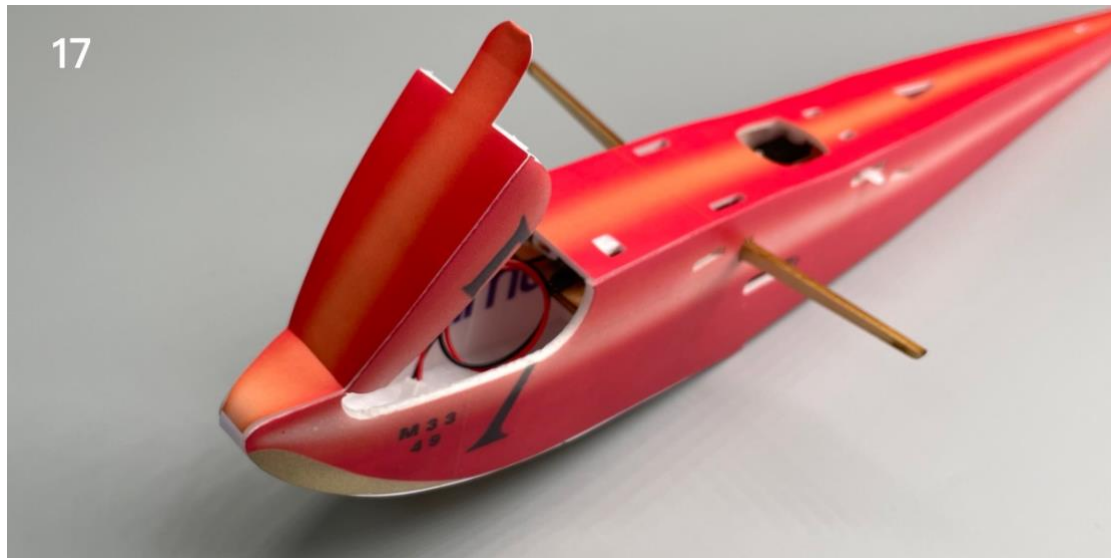
15. Combine the fuselage.



16. Paste the fuselage stickers.



17. Cut off the connection position of the hatch cover so that it can be opened forward. When the hatch cover is closed, it is fixed by the end of the sticker.

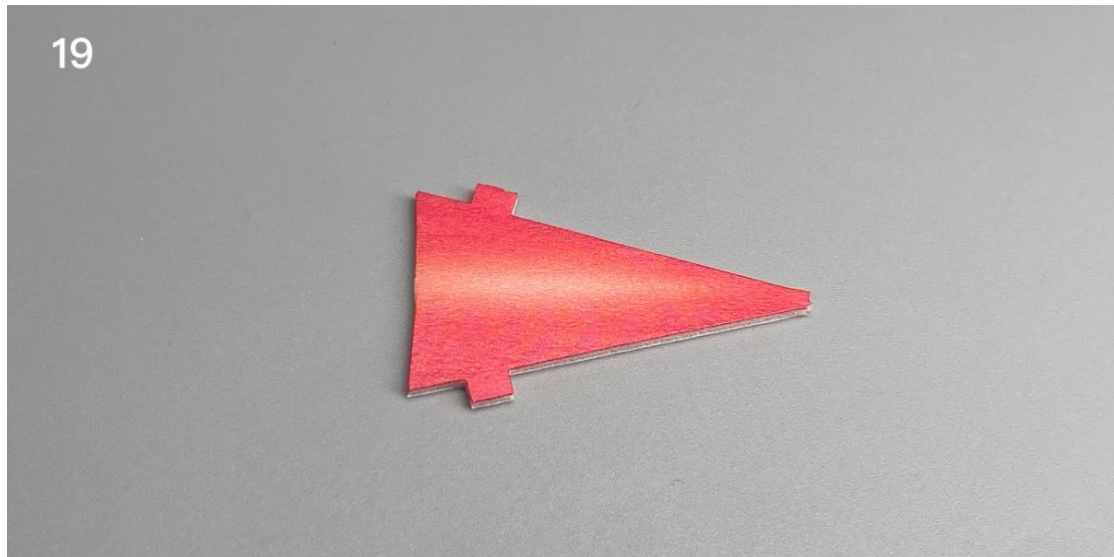


18. Apply glue at the bottom of the engine compartment bracket and insert them into the fuselage.

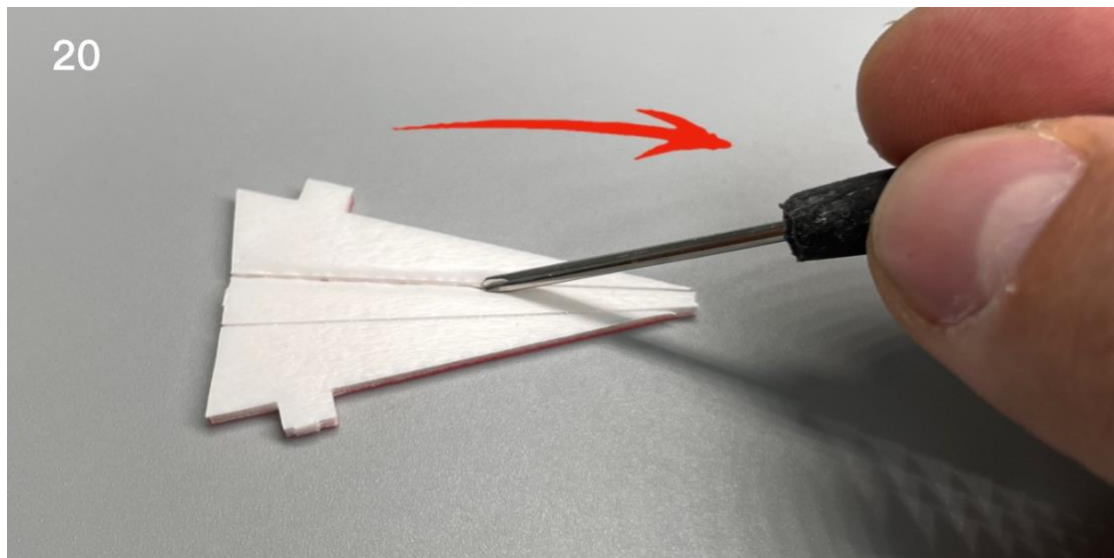
Note: Shake the engine compartment brackets to check whether they're inserted in place. When fully inserted in place, the brackets should not move left and right.



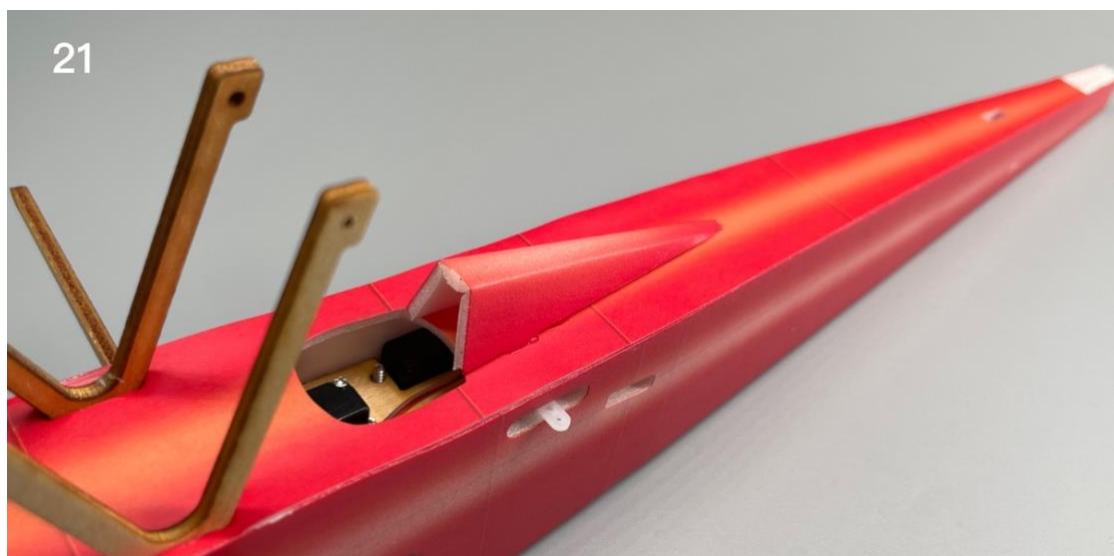
19. Cockpit ridge.



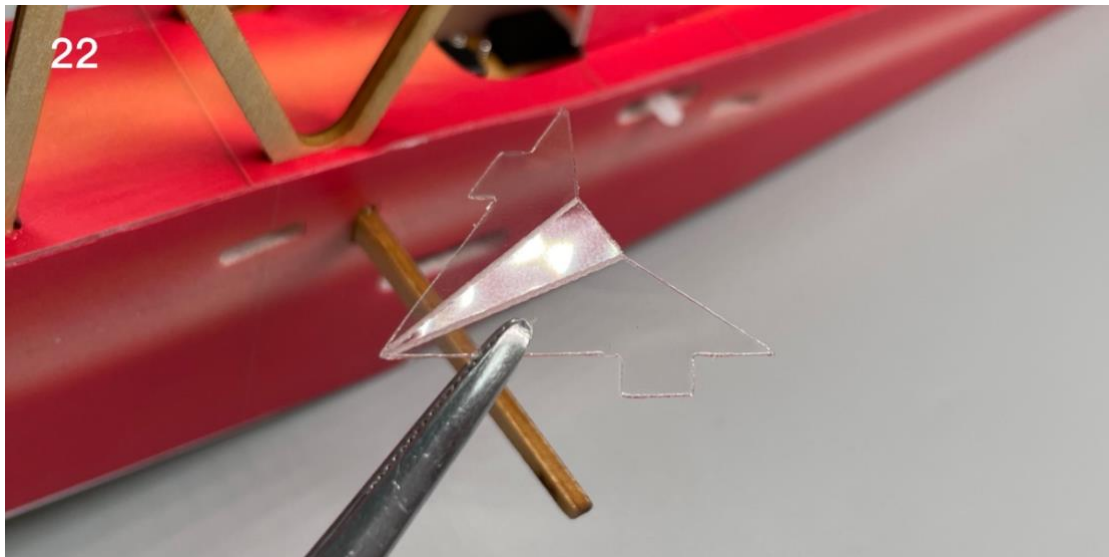
20. Use a sharp tool (screwdriver) to score through the half-cut lines on the bottom surface of the part so that it can bend inward.



21. Install the cockpit ridge.



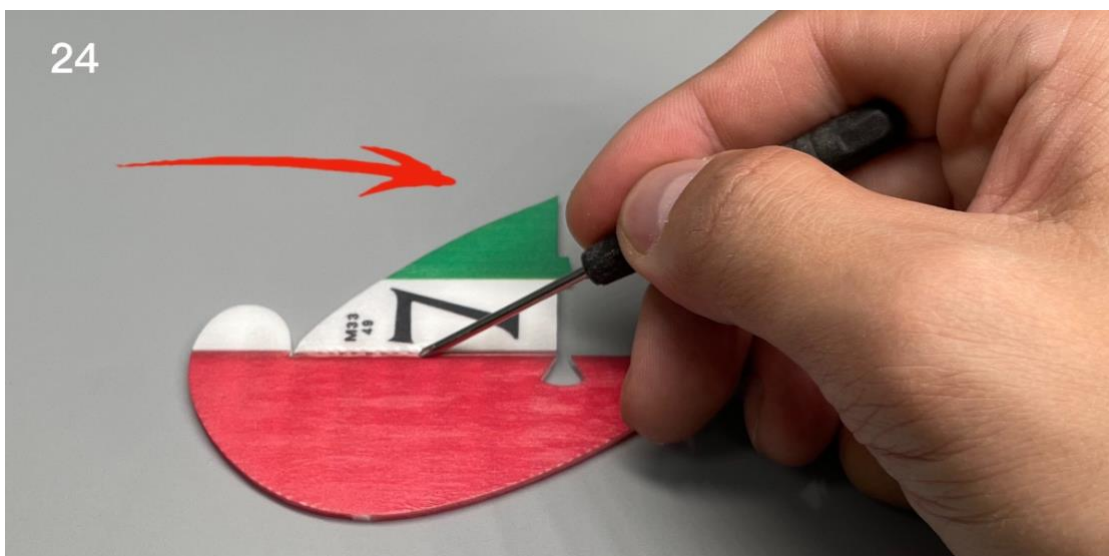
22. Wind shield.



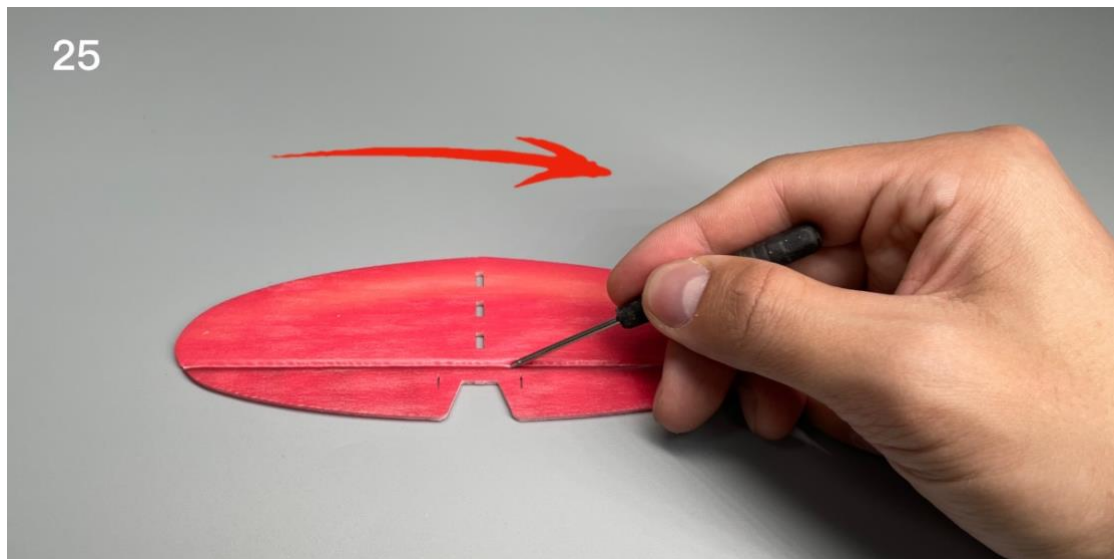
23. Insert the locating pin at the root of the cockpit windshield into the reserved installation slot on the fuselage and fix it.



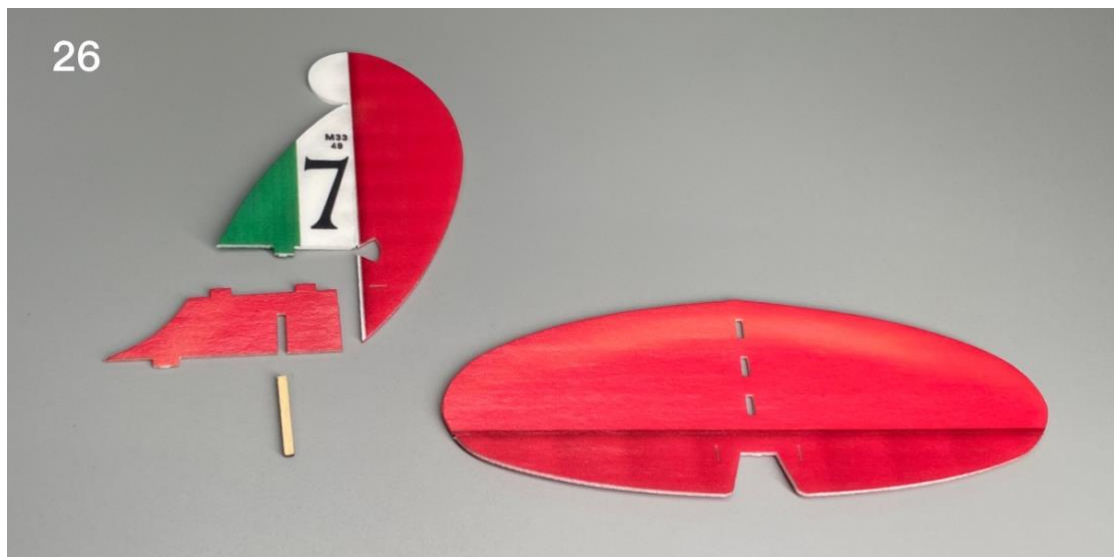
24. Use the end of a screw driver to score through the half-cut line of the vertical tail.



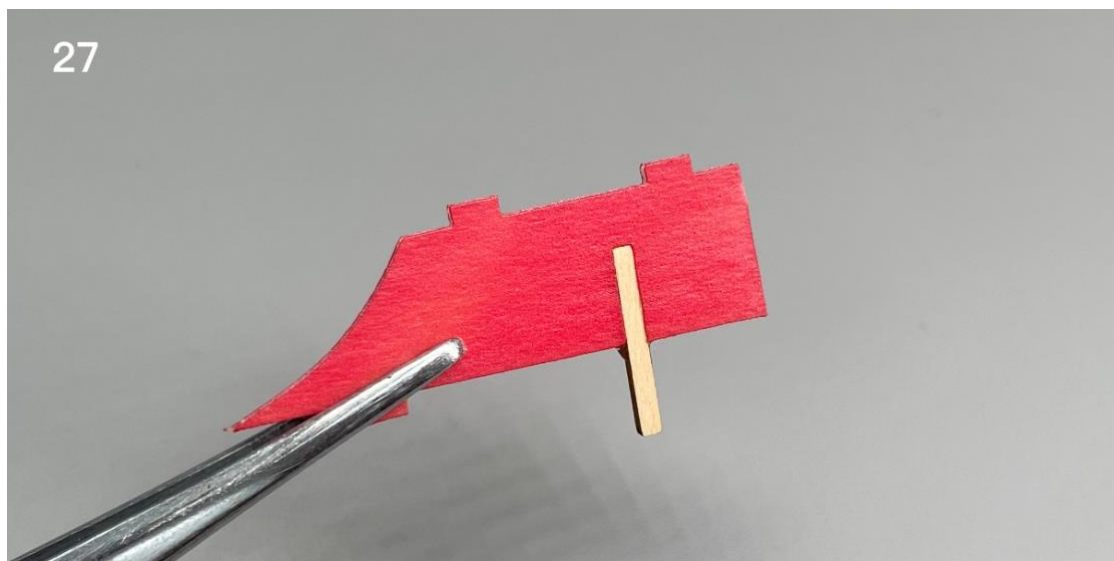
25. Use the end of a screw driver to score through the half-cut line of the horizontal tail.



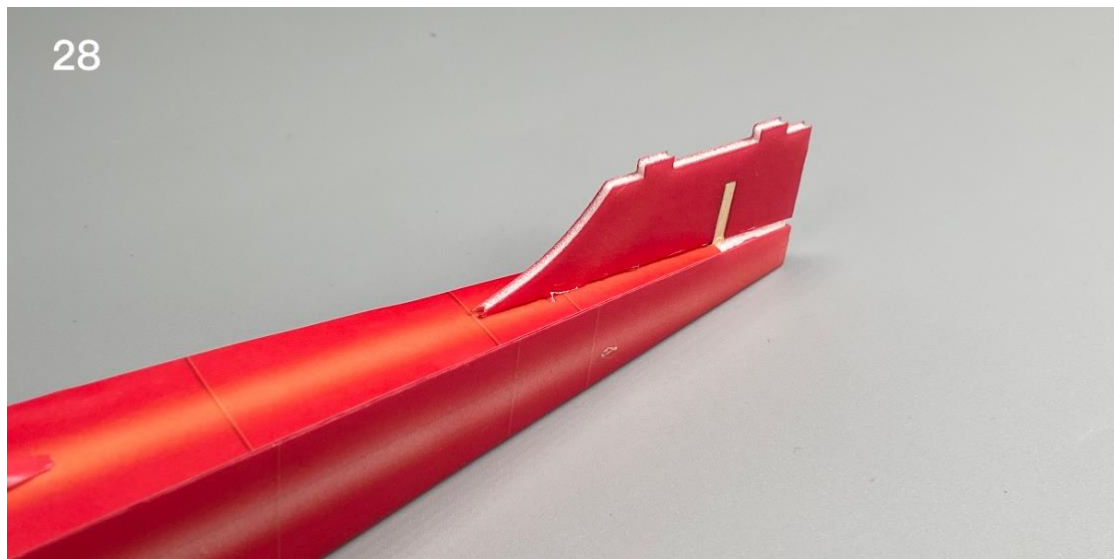
26. Tail parts.



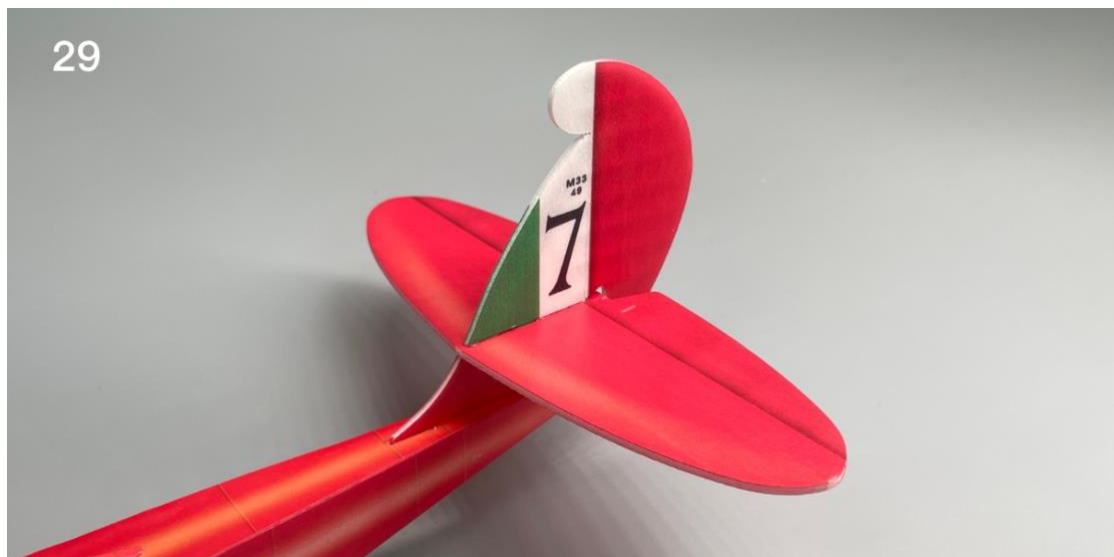
27. Fix the support column at the root of the vertical tail.



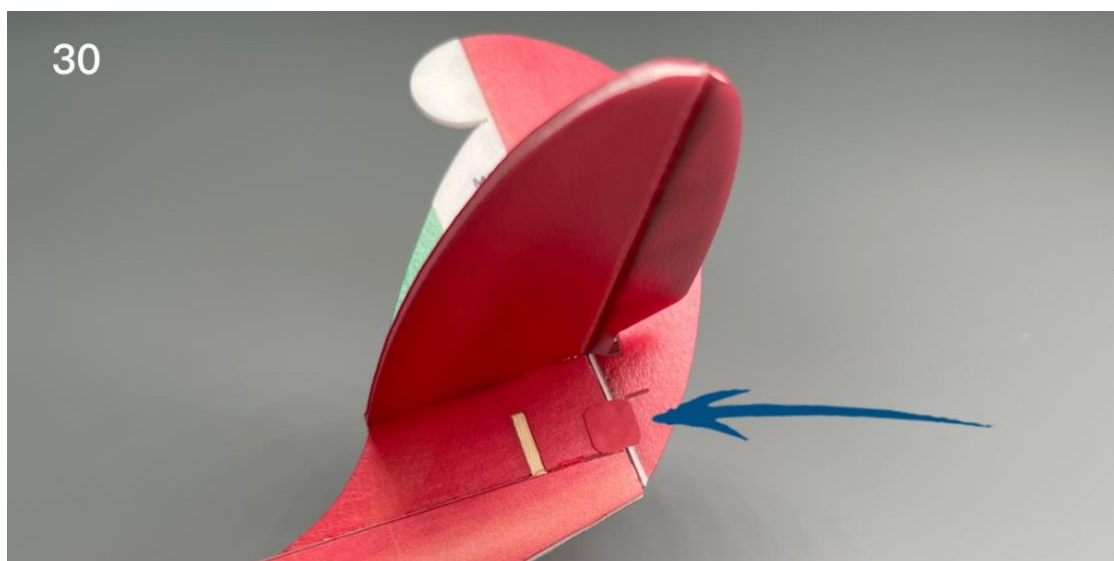
28. Install the vertical tail root.



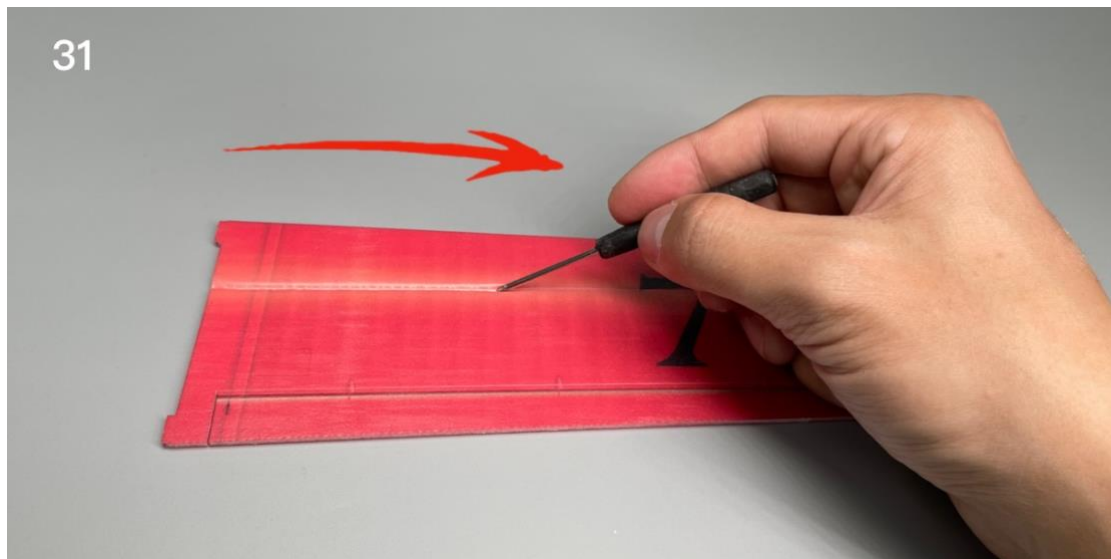
29. Install the horizontal tail and the main body of the vertical tail.



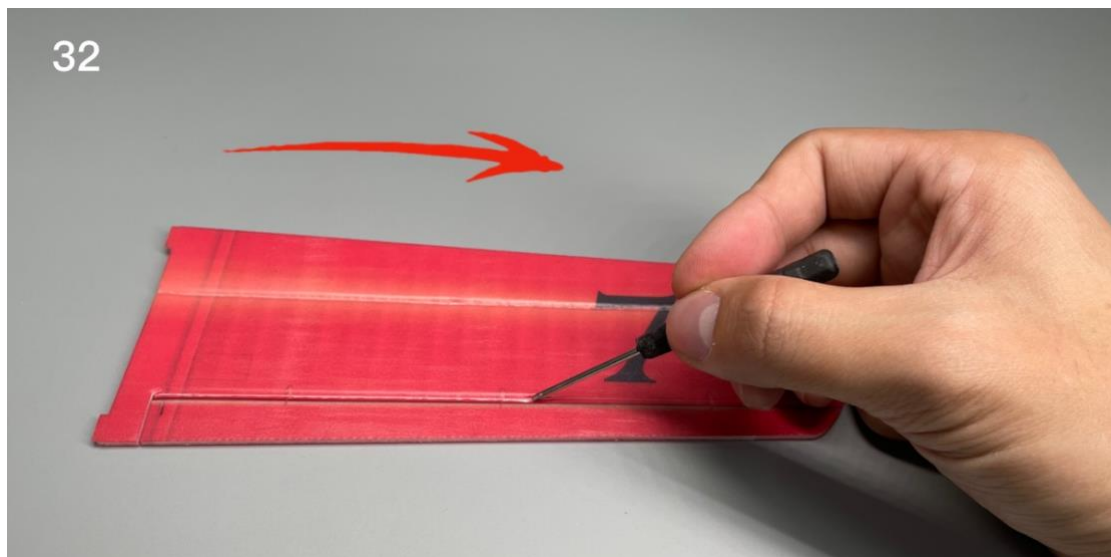
30. Use a sticker to connect the root of the vertical tail to the rudder.



31. Use the end of a screw driver to score through the half-cut line of the wing surface.



32. Use the end of a screw driver to score through the half-cut line of the aileron.



33. Stick a carbon fiber rod at the bottom of the wing along the notch to increase the strength.



34. Install the wings.



35. Combine the pontoon support and pontoon side plates, and paste the stickers.



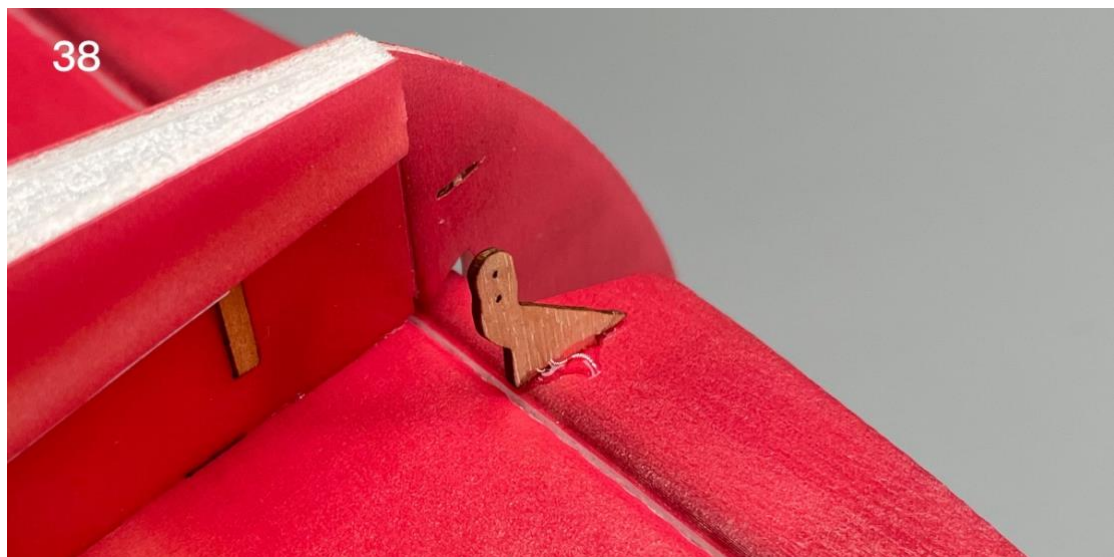
36. Align the pre-engraved positioning line at the bottom of the wing and fix the pontoons.



37. Install the aileron control horns.



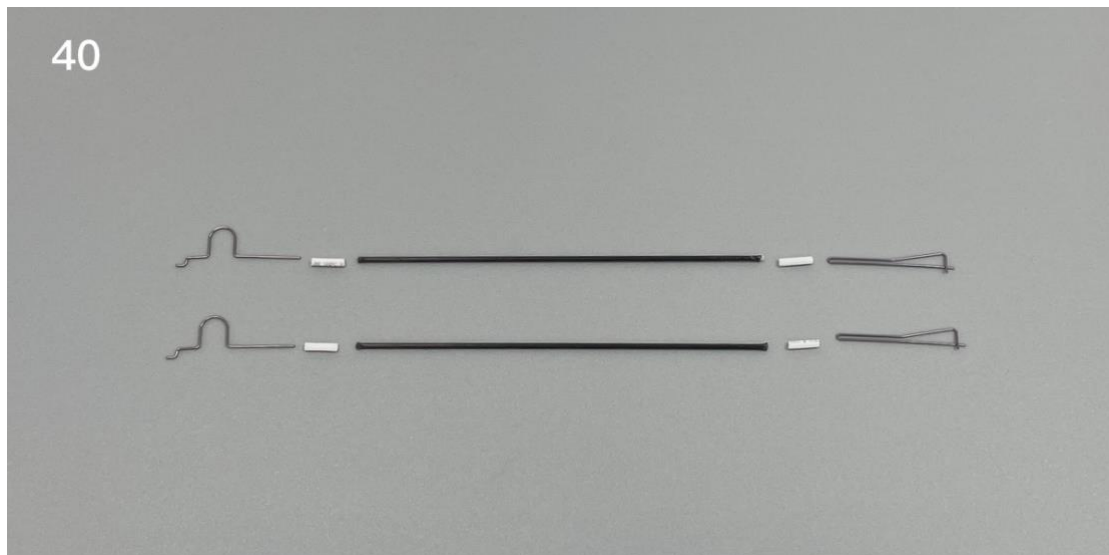
38. Install the elevator control horn.



39. Install the rudder control horn.



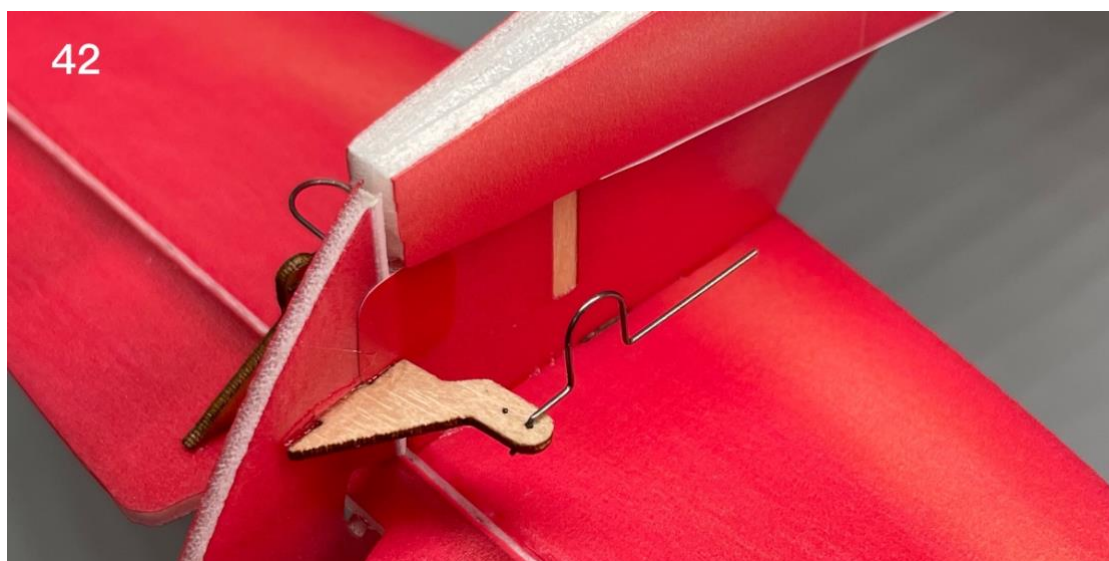
40. Use heat shrinkable tube to connect tail push rod and steel wire clip.



41. Use heat shrinkable tube to connect the push rod and wire clip, then use glue to fix them.



42. Attach the steel wire hooks to the control horns.



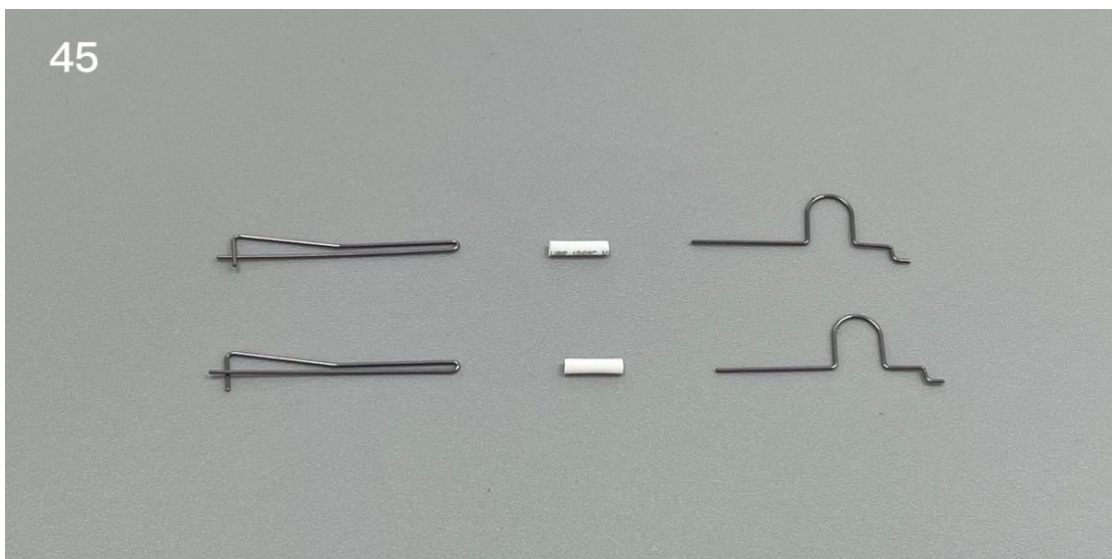
43. Attach the pushrods to the servo arms.



44. Cut the carbon rod to proper length and connect the wire hooks with heat shrinkable tubes.



45. Use heat shrinkable tube to connect aileron push rod and steel wire clip.



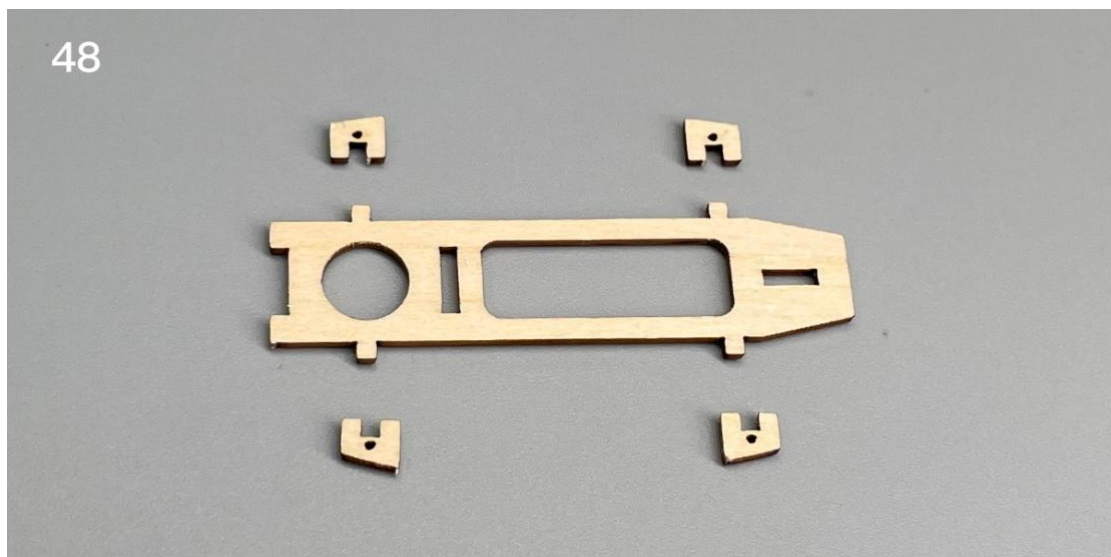
46. Attach the steel wire clips to the aileron servo arms.



47. Connect the steel wire hooks and wire clips with heat shrinkable tubes.

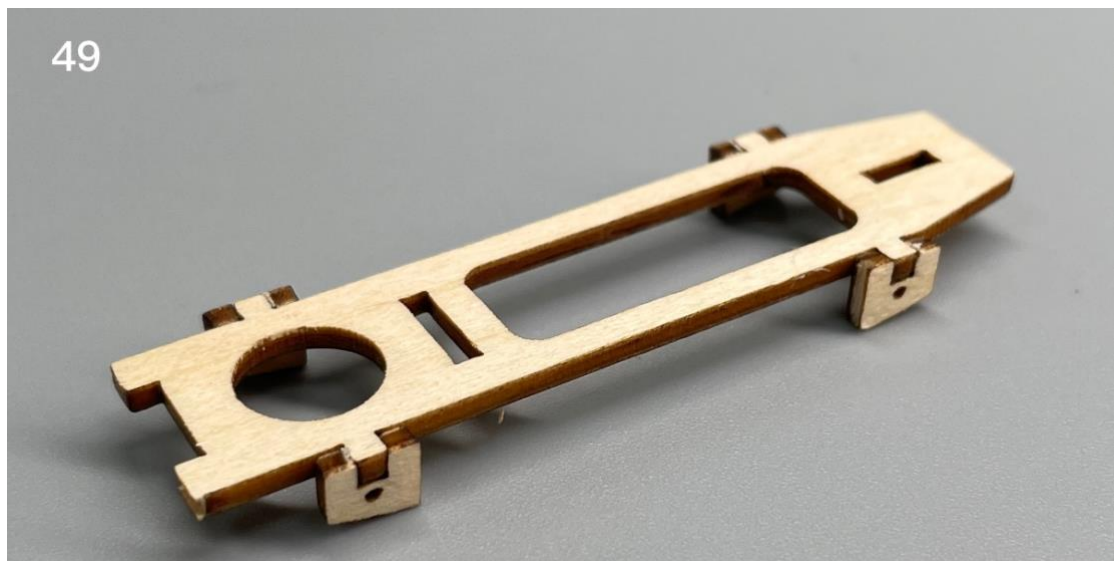


48. Engine compartment substructure structural components.

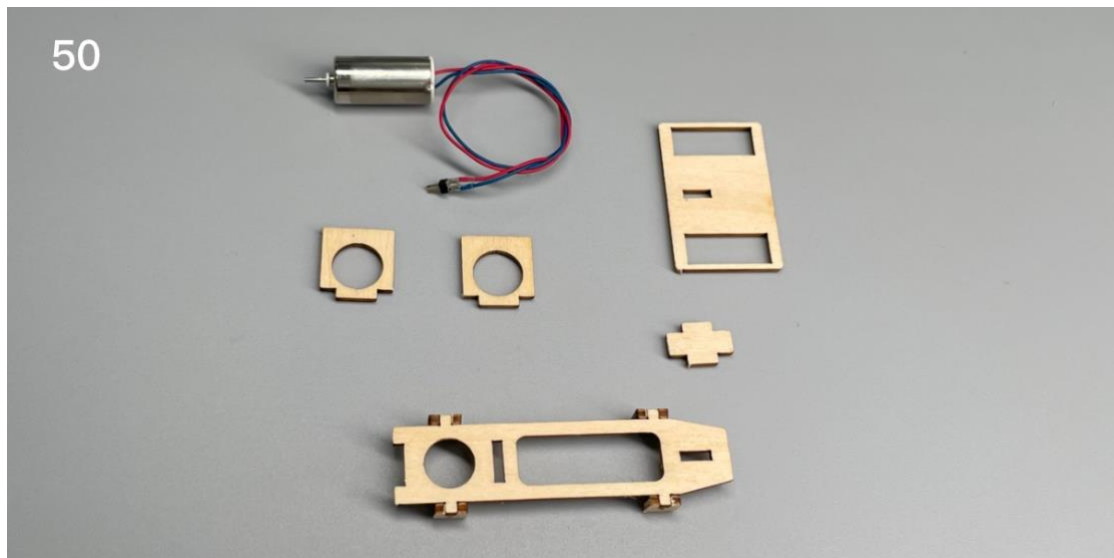


49. Combined engine compartment base.

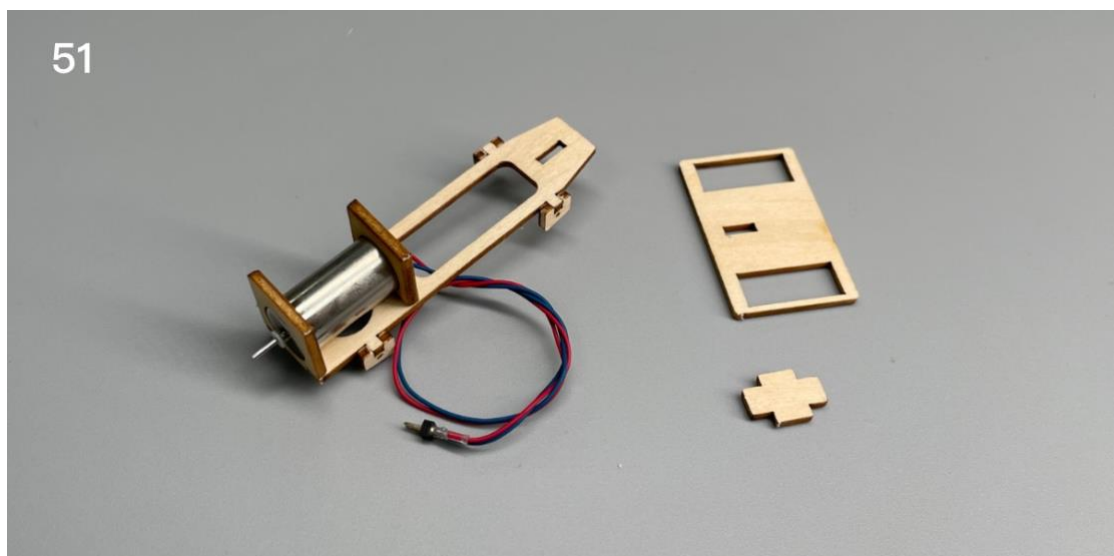
Pay attention to the installation direction of the four fasteners.



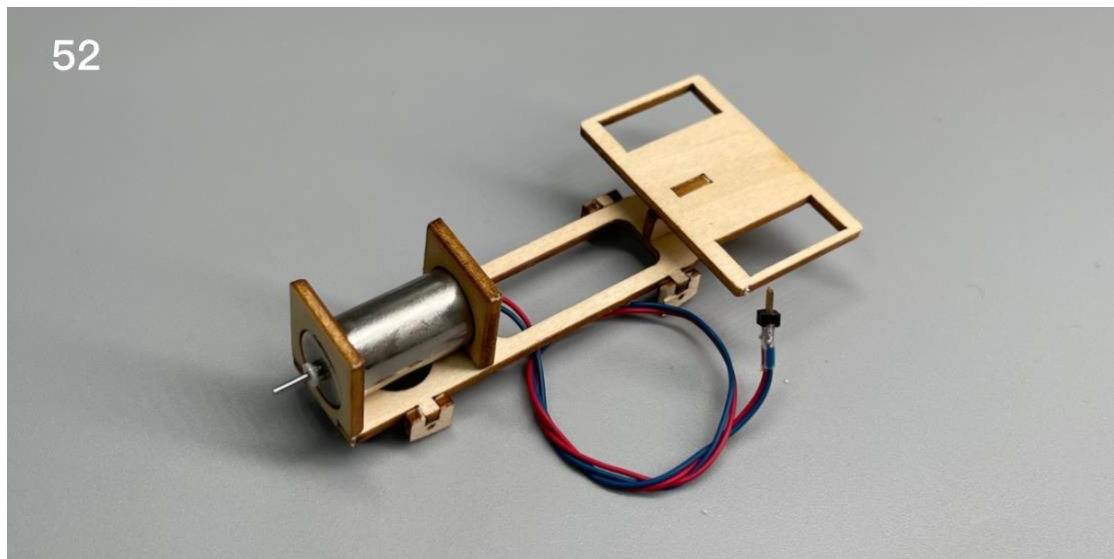
50. Motor bracket.



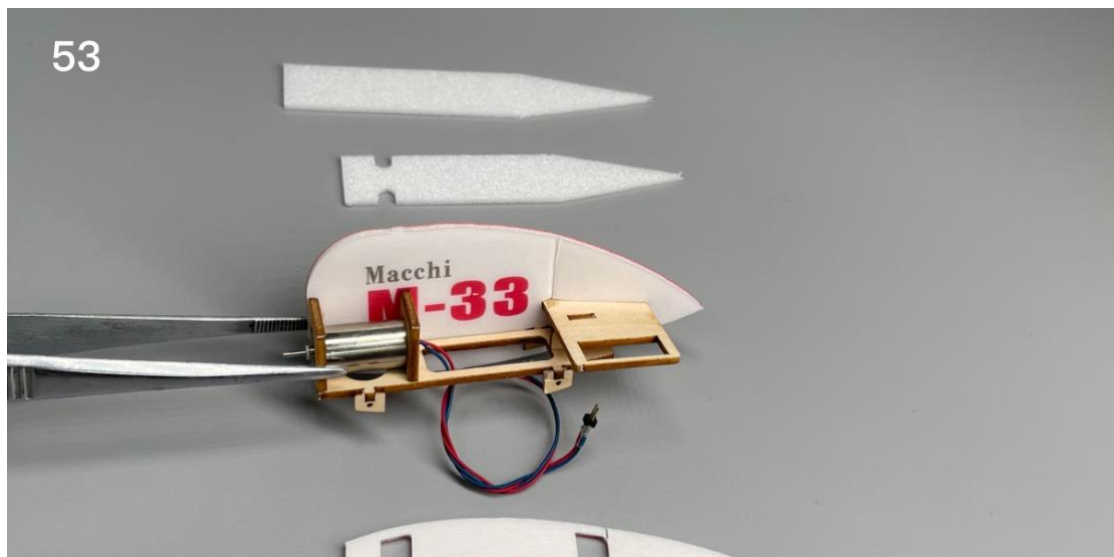
51. Install the motor.



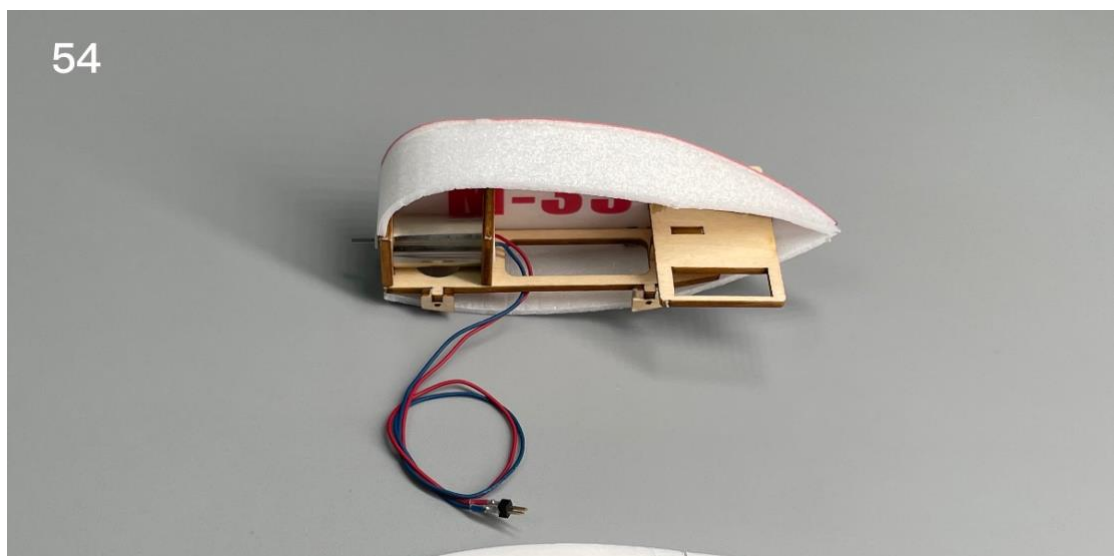
52. Install the radiator bracket.



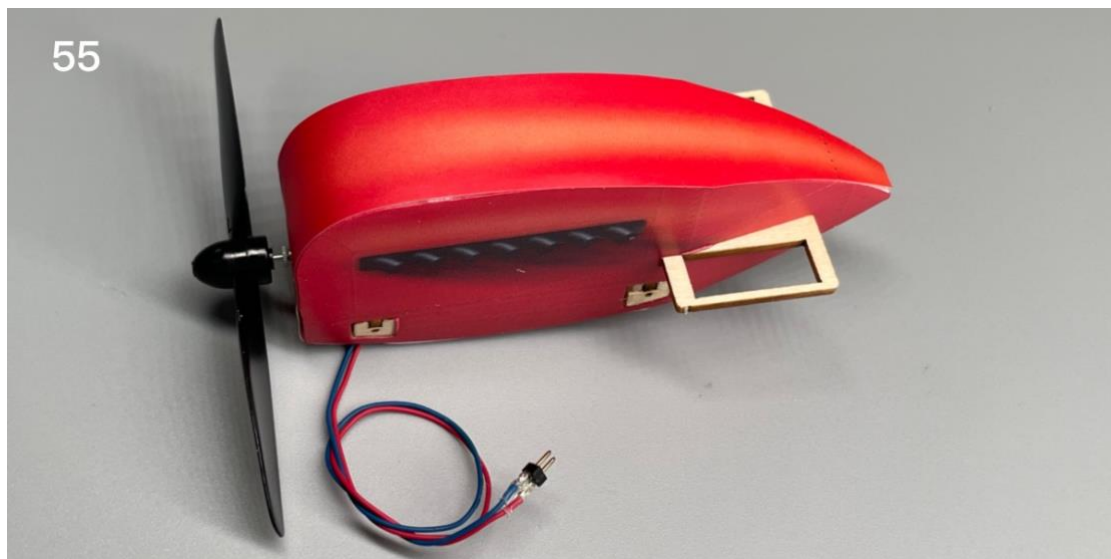
53. Combined engine compartment side panel and frame.



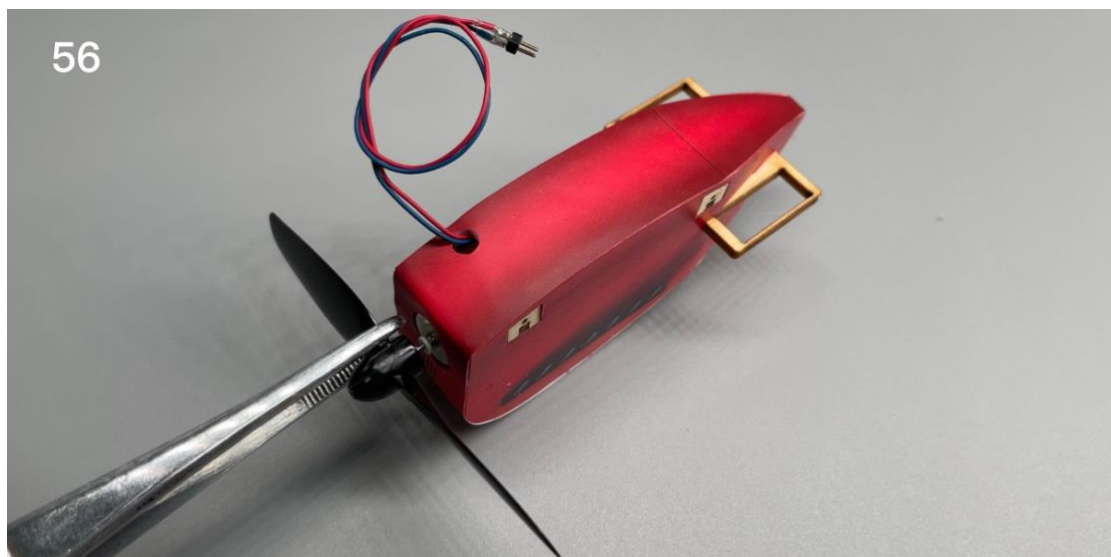
54. Press the top and bottom plates of the engine compartment and fix them along the contour of the engine compartment.



55. Merge the side panel on the other side of the engine compartment, paste the engine compartment sticker, and install the propeller.



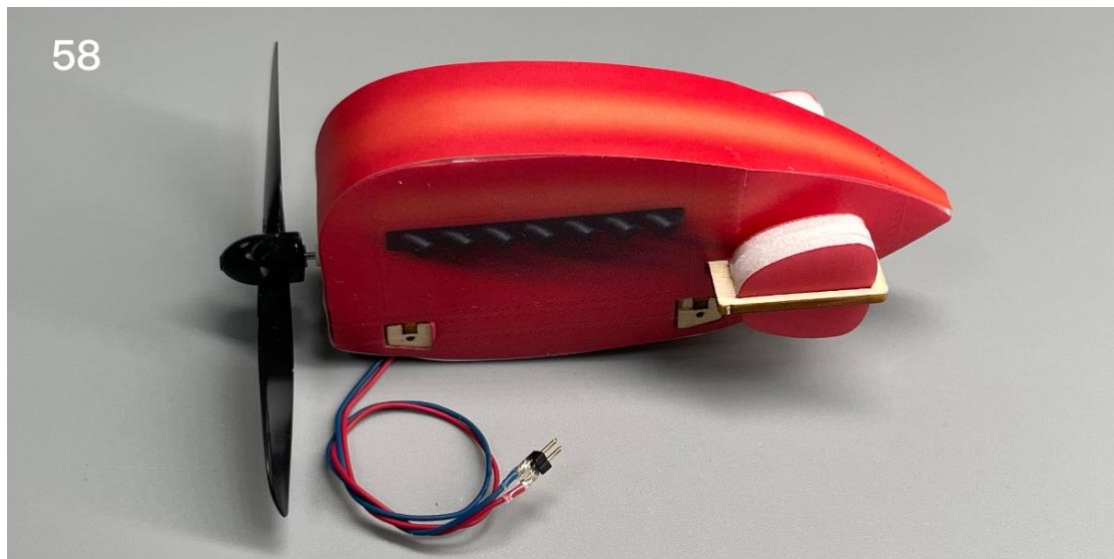
56. The motor wire passes through the reserved hole at the bottom of the engine compartment.



57. Combined the radiators.



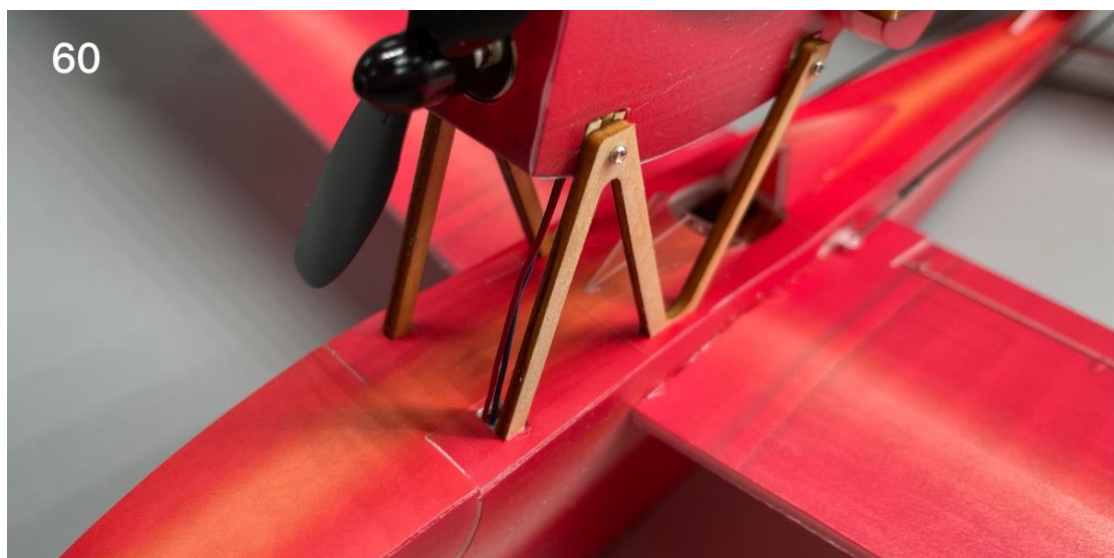
58. Install the radiators.



59. Use M1.2X6 screws to fix the engine compartment.



60. Details: open a hole at the root of the bracket, thread the motor wire into the fuselage and connect it to the receiver.



61. The battery is placed in the cabin.



Assembly complete!



Maiden flight

- The center of gravity of the aircraft is located at the front score line of the wing.
- The active range of ailerons, elevator and rudder is 5mm on both sides.
- choose grass land for maiden flight.

MinimumRC™

*THE ULTIMATE POSSIBILITIES OF
RC AVIATION*