

Minimum RC™

F86-A Sabre Golden Hawks Assembly Instructions



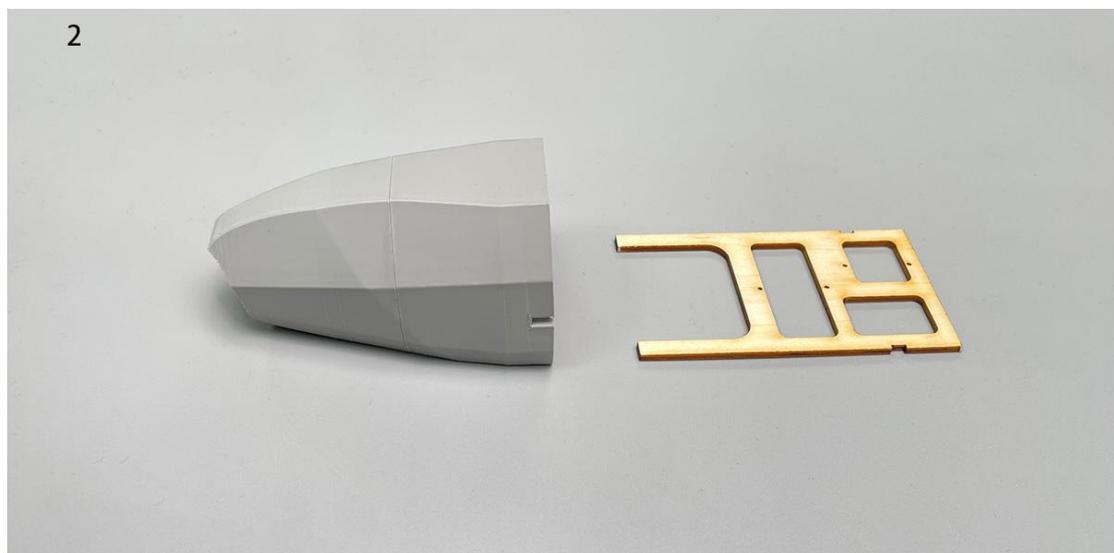
Important Instructions

- 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.

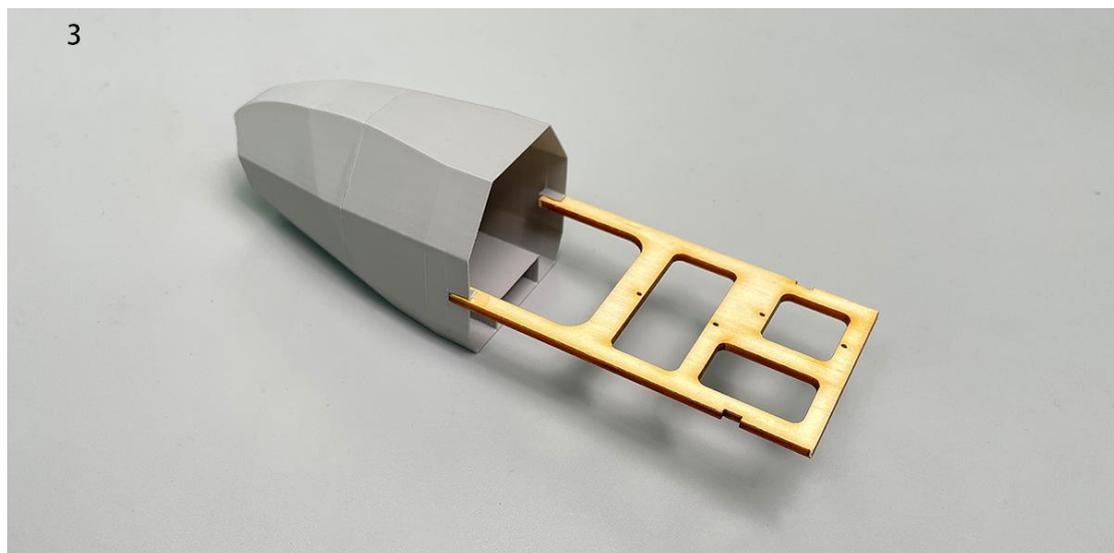
1. Wooden display rack.



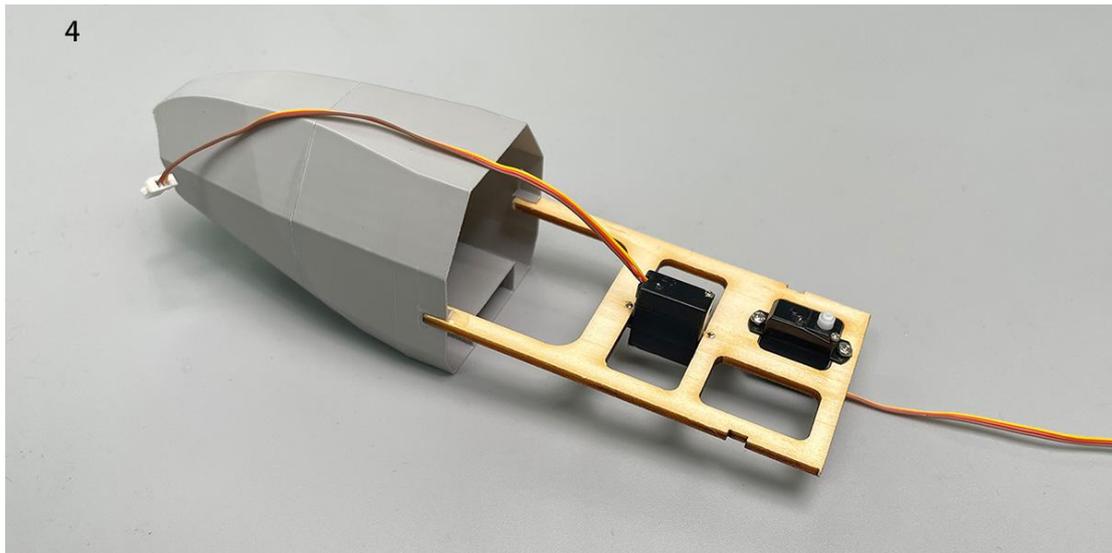
2. Fuselage wooden frame parts and nose support components.



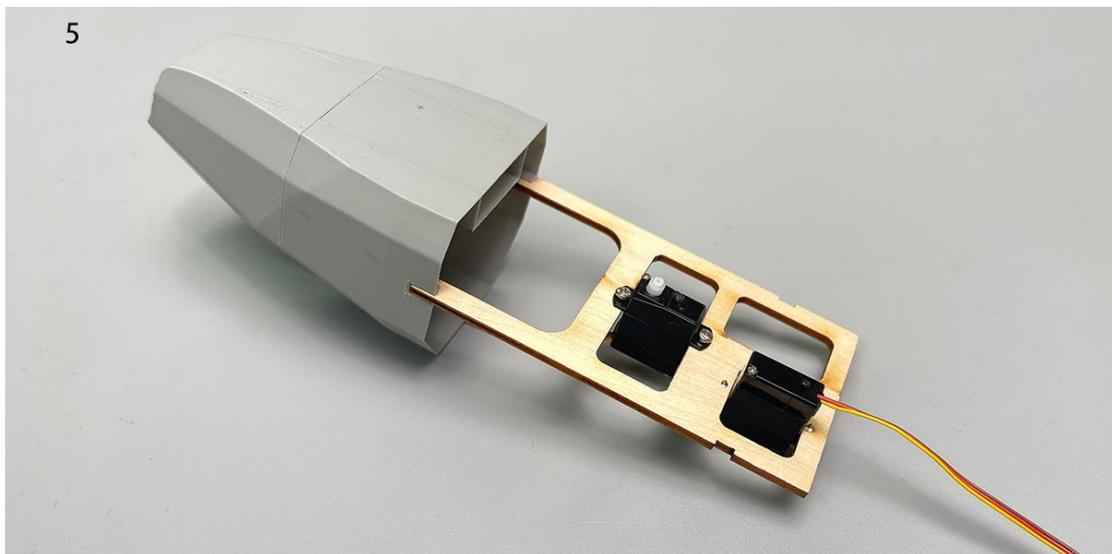
3. Assemble the fuselage wooden frame parts and nose support components.



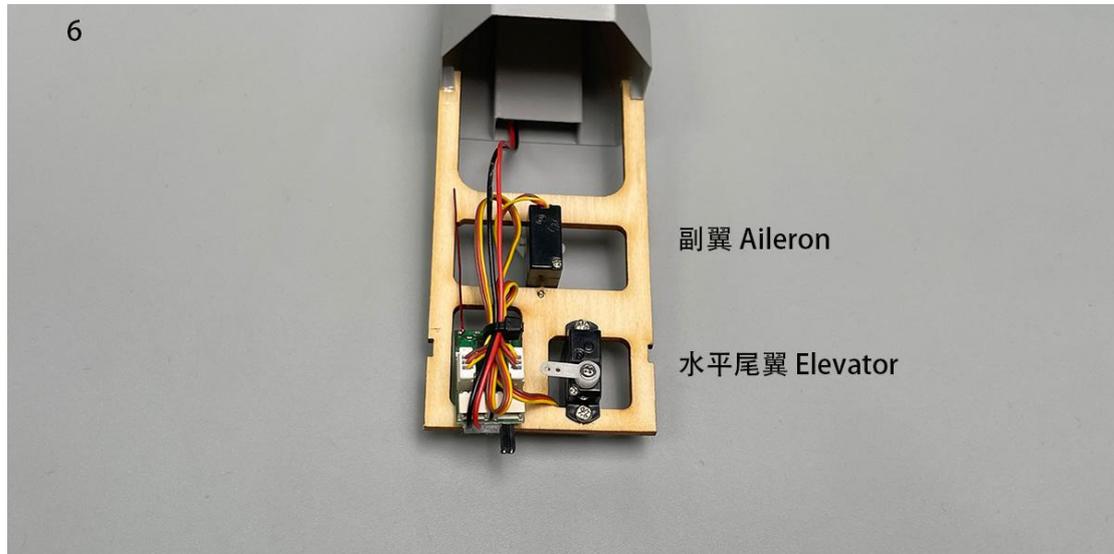
4. Install the servos as shown. (Top view of the parts.)



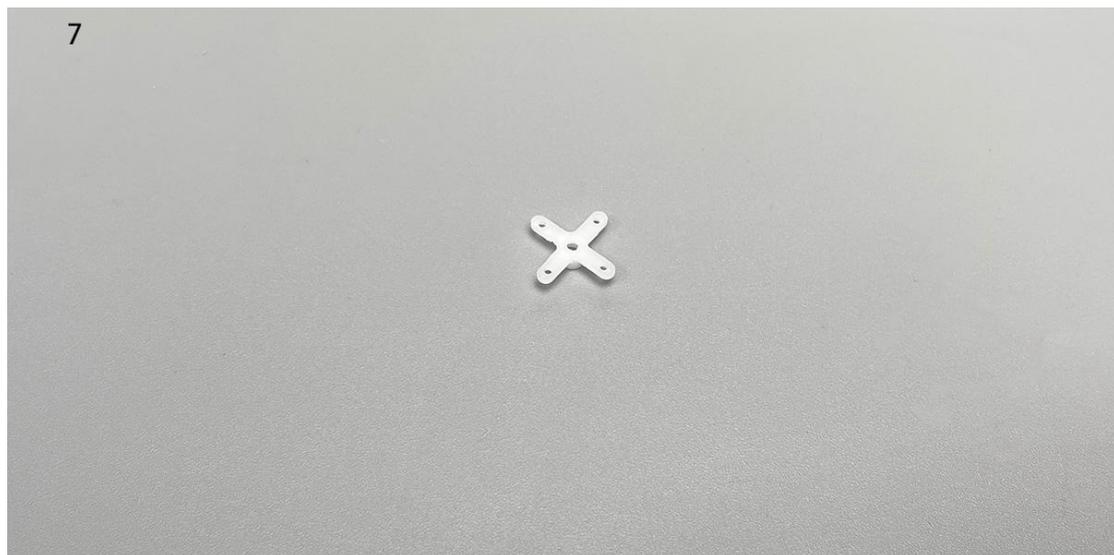
5. Install the servos as shown. (Bottom view of the parts.)



6. Secure the receiver with Velcro. Connect the receiver to the servos and bind the receiver with the transmitter. Test whether the servos are functioning properly, ensuring that the servos' correspondence with the channels are correct. Install the elevator servo arm.



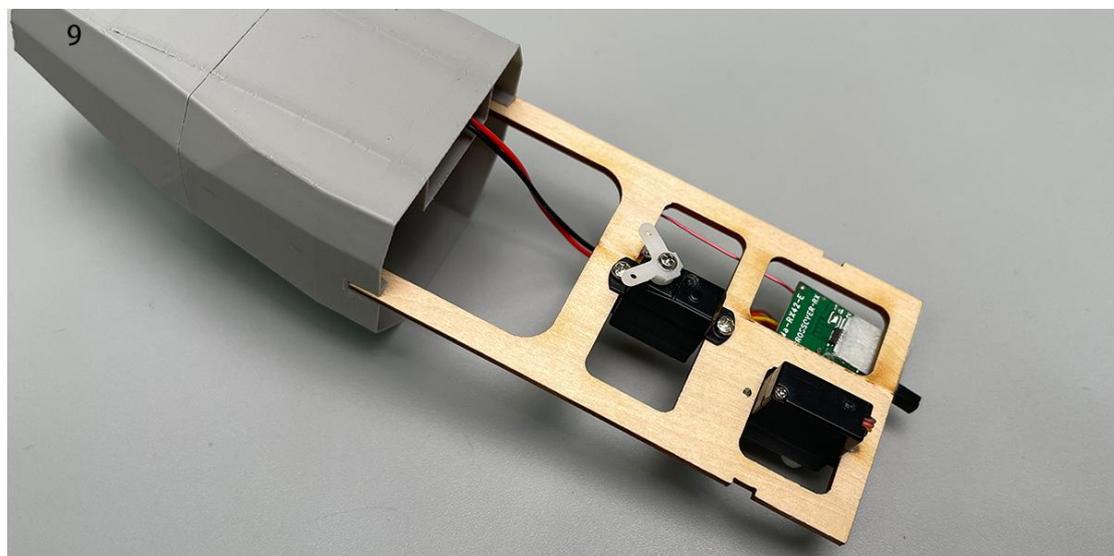
7. The aileron servo uses a cross-shaped arm.



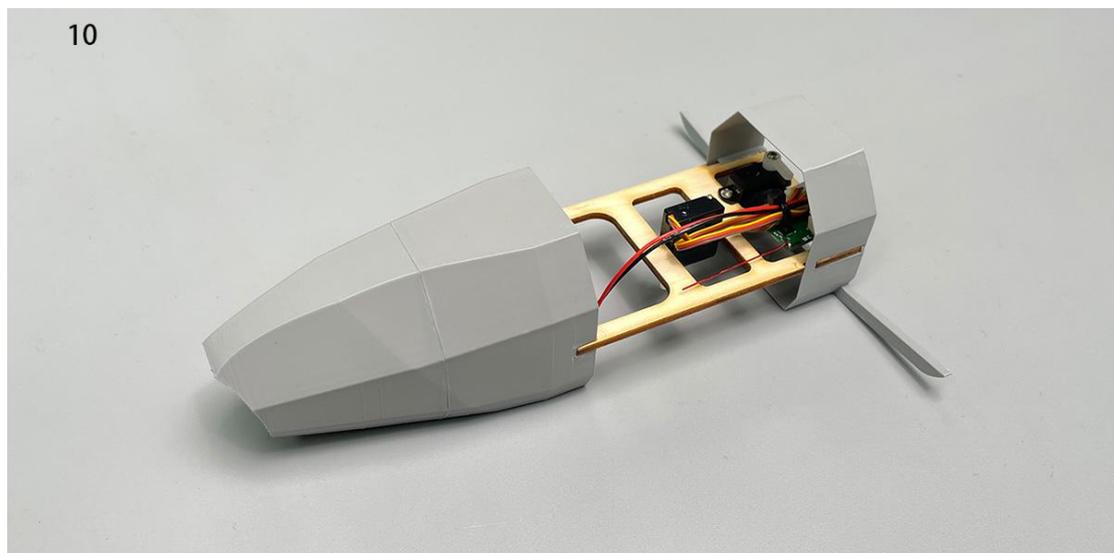
8. Remove the two adjacent arms of the cross-shaped arm.



9. Install the arm onto the aileron servo.



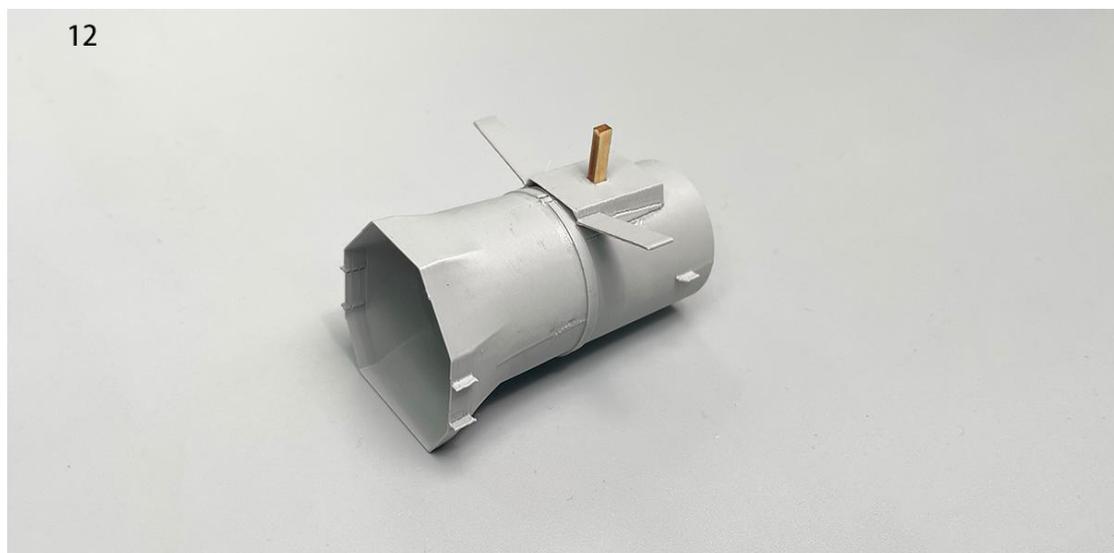
10. Install middle section support component of the fuselage.



11. Duct components.



12. Assembly duct components.



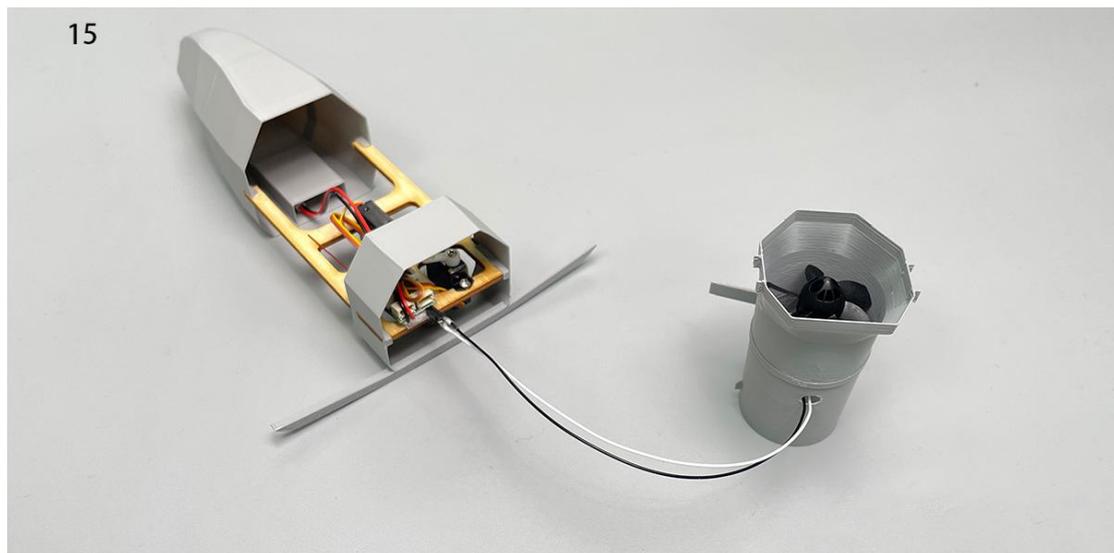
13. Mount the propeller onto the motor and ensure it is fully secured in place.



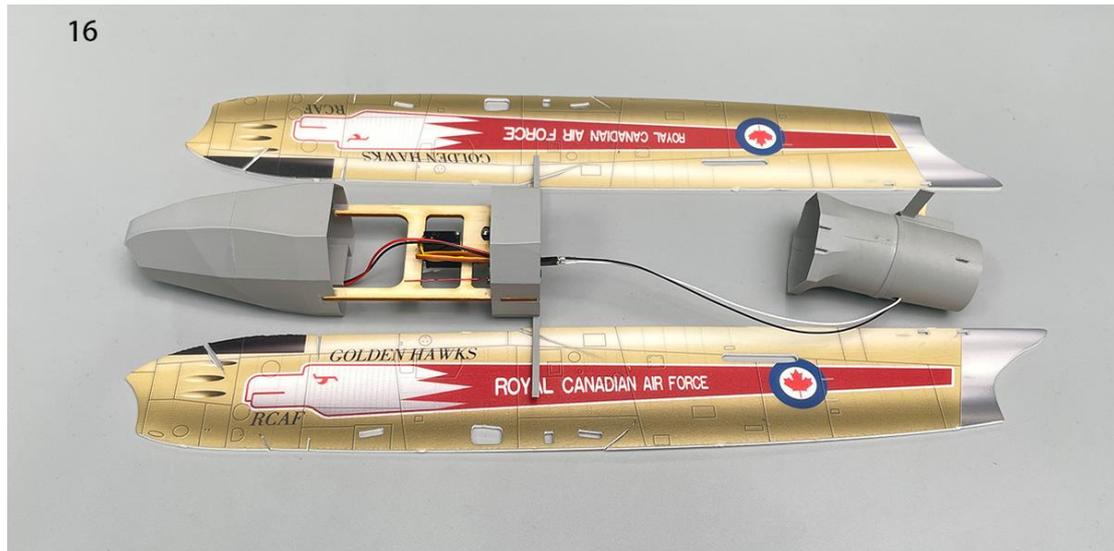
14. Assemble the motor with the duct component, adjust the motor installation depth, ensuring that the propeller blades are as close to the support structure as possible and rotate freely.(Failure to position the blades close to the support will significantly decrease thrust.) Use glue to secure the motor from the rear end, as shown in the diagram.



15. Connect the motor to the receiver and test it to confirm that the motor rotation direction is correct.



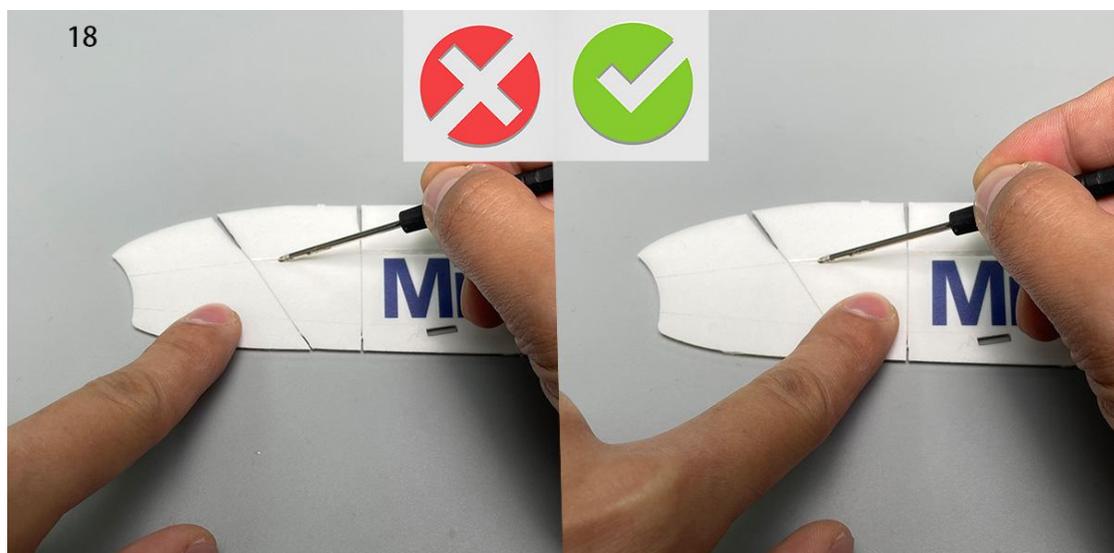
16.



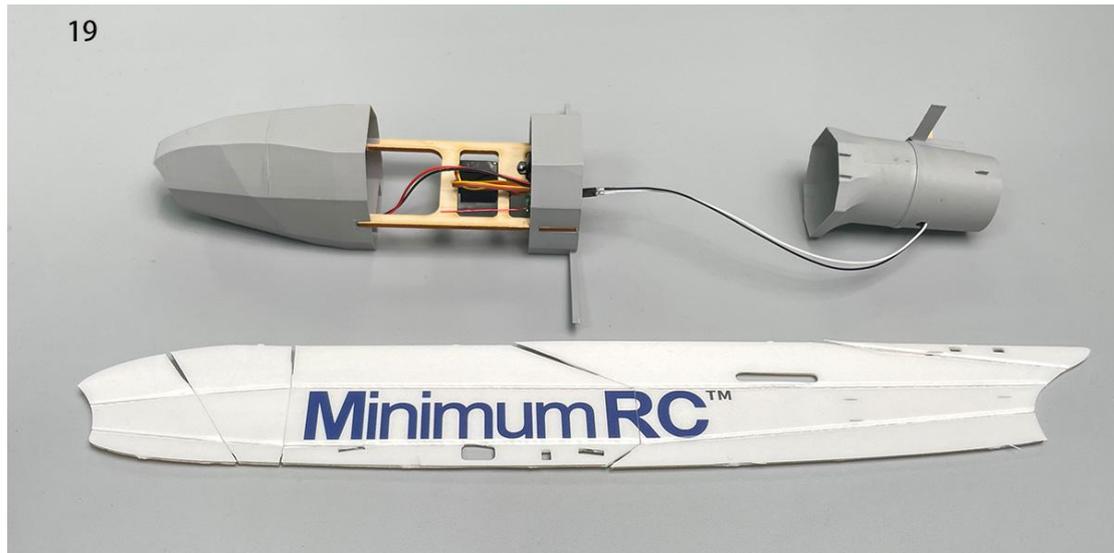
17. Use a sharp tool (screwdriver) to score through the marked lines on the fuselage.



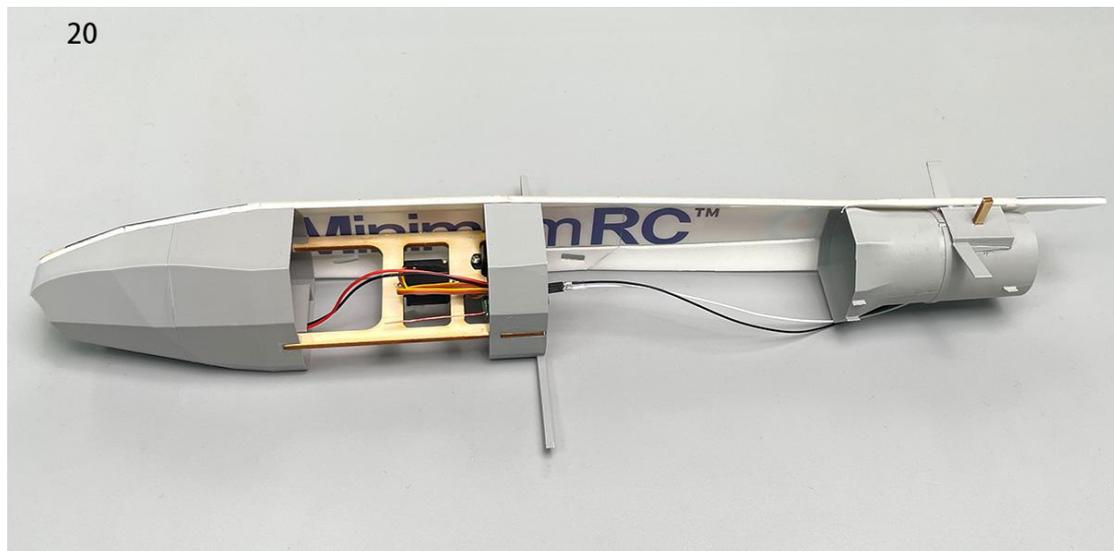
18. Caution: When performing scoring operations, make sure to press on the part closest to the lines to avoid tearing the components. (As shown in the diagram.)



19.



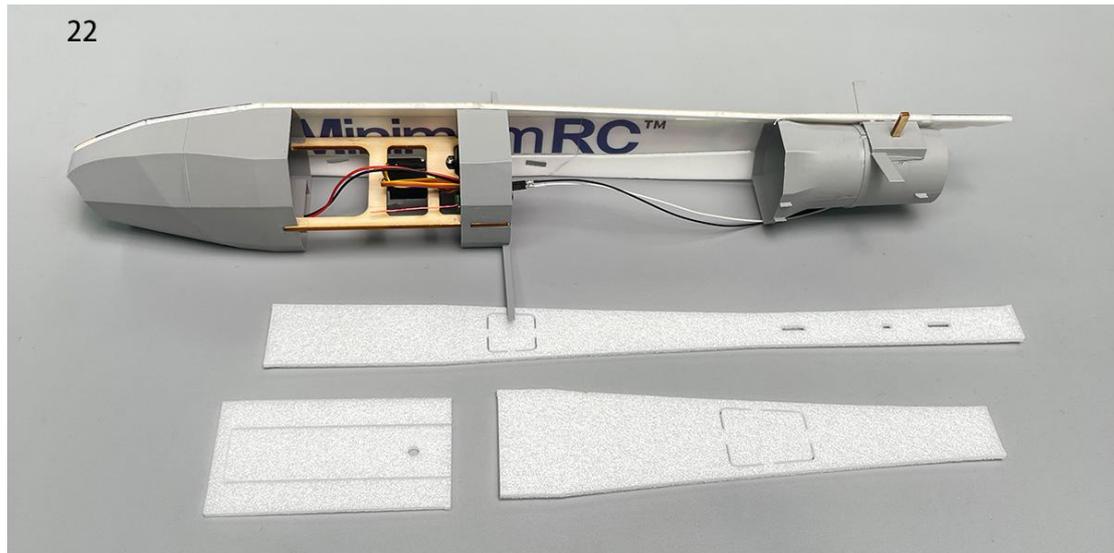
20. Assemble one side of the fuselage, the wooden framework, and the duct with glue.



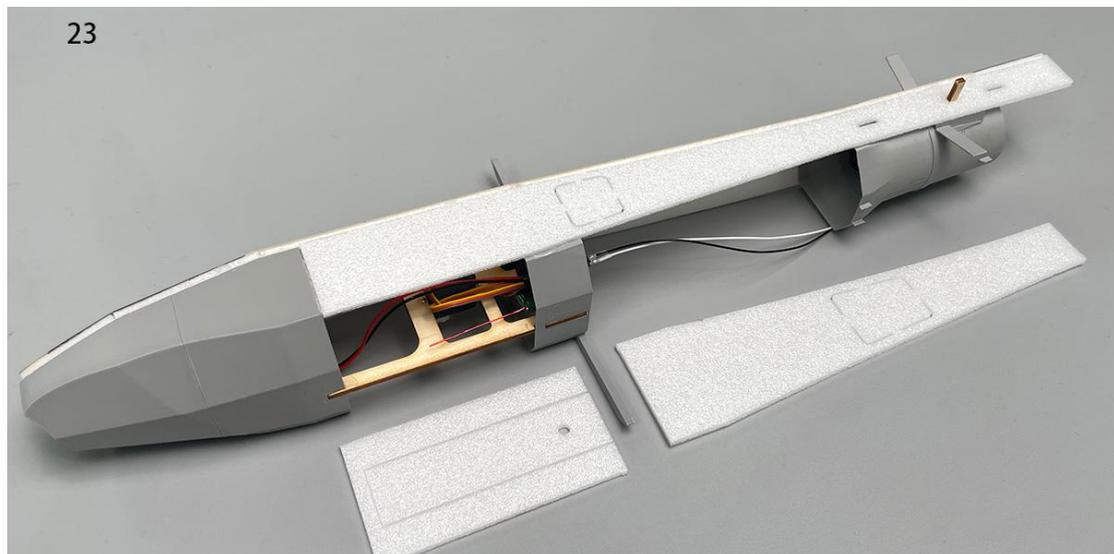
21.



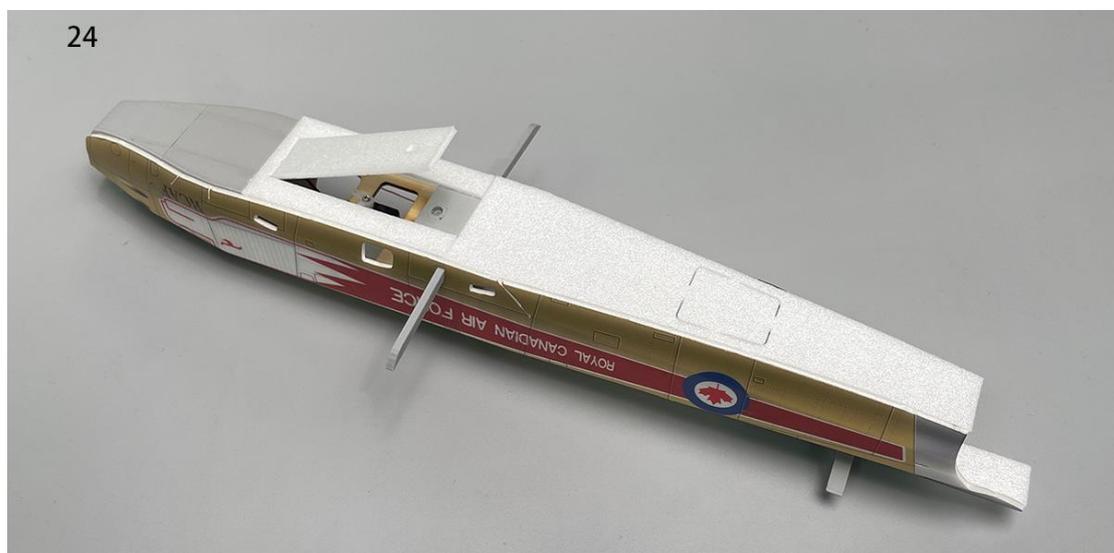
22. PS foam parts.



23. Secure the top PS foam board with glue.



24. Use glue to secure the bottom PS board, being careful not to apply glue to the battery cover.



25. Combine the fuselage.



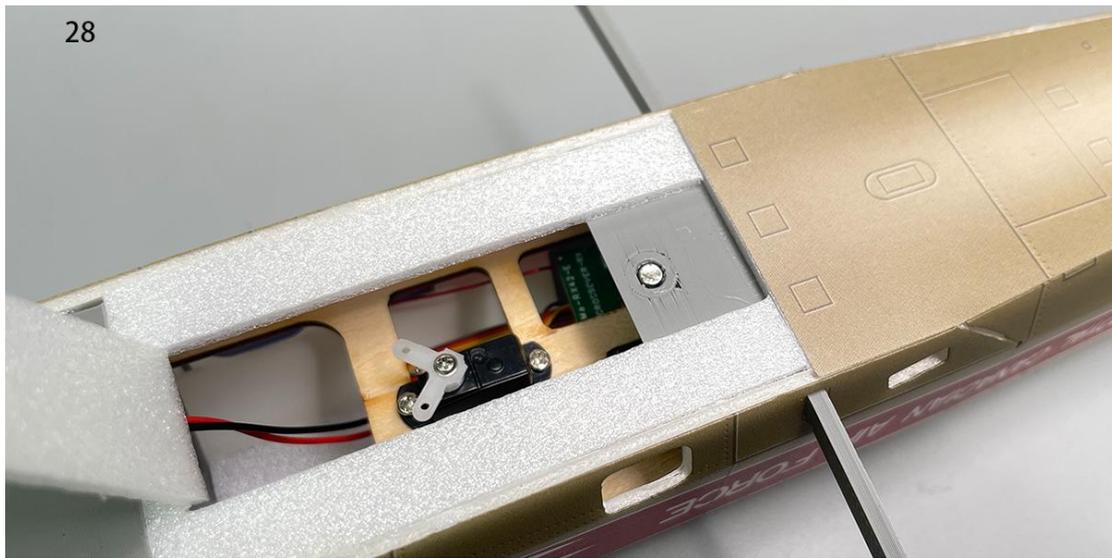
26. Apply the top stickers to the fuselage. (Do not apply the operation window sticker for now.)



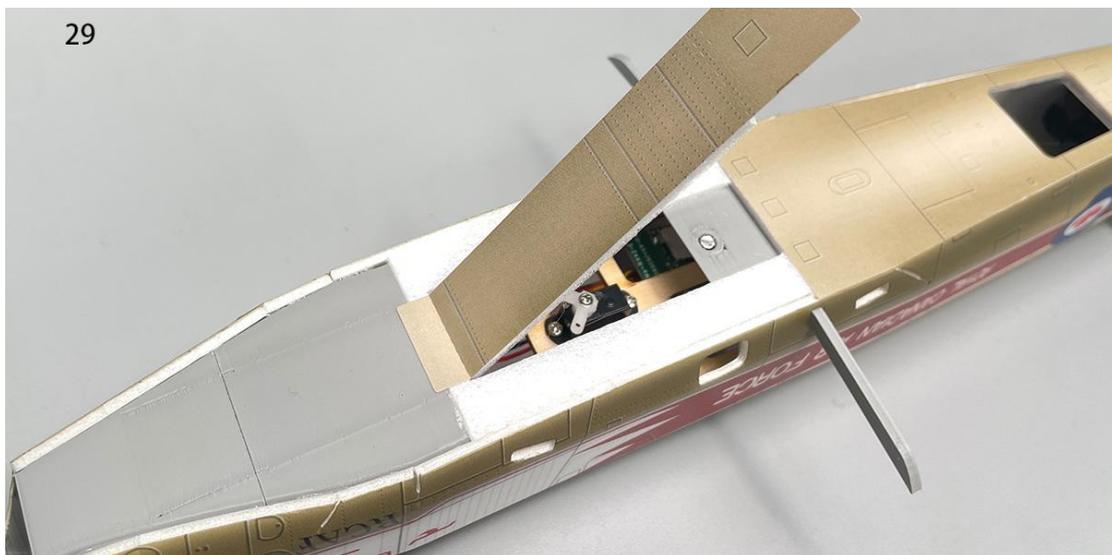
27. Apply the bottom sticker to the tail end of the fuselage.



28. Install a magnet in the bottom circular hole of the middle section support component and secure it with glue.



29. Paste the sticker for the battery cover to the bottom of the fuselage.



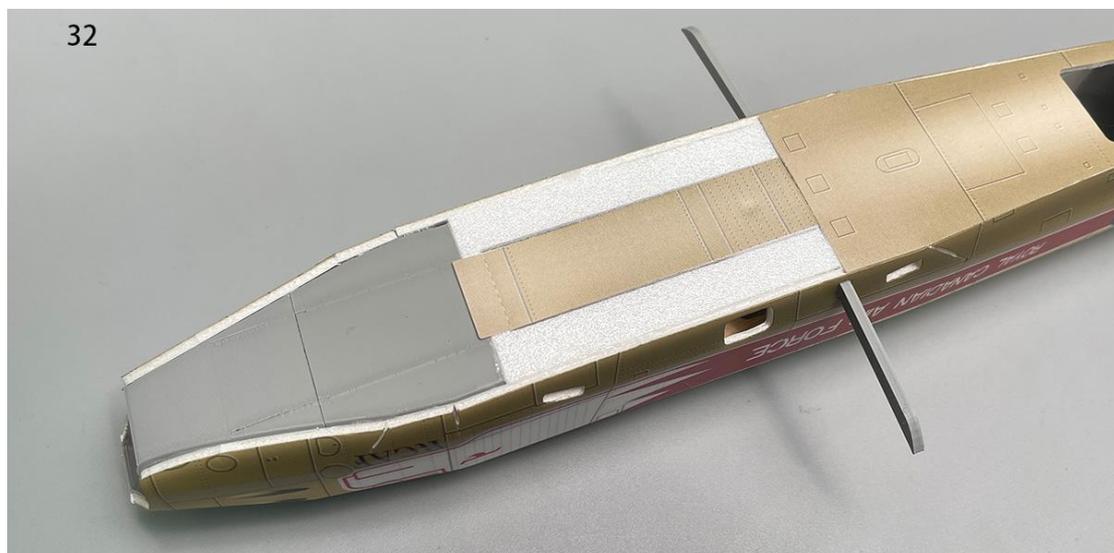
30. Install a magnet at the circular hole position of the battery compartment cover.



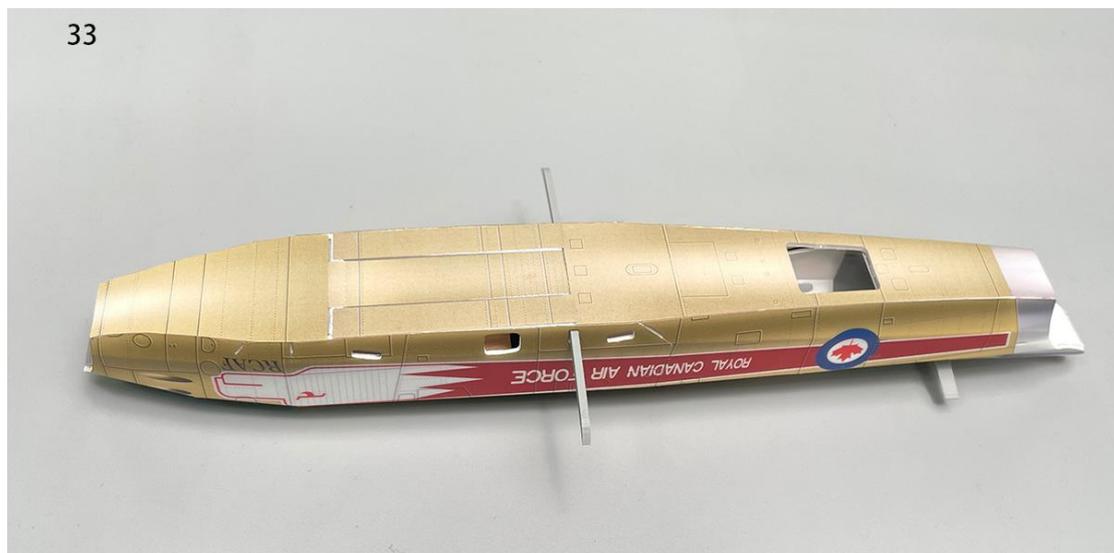
31. Seal the mounting hole with sticker.



32.



33. Apply sticker to the bottom of the fuselage.



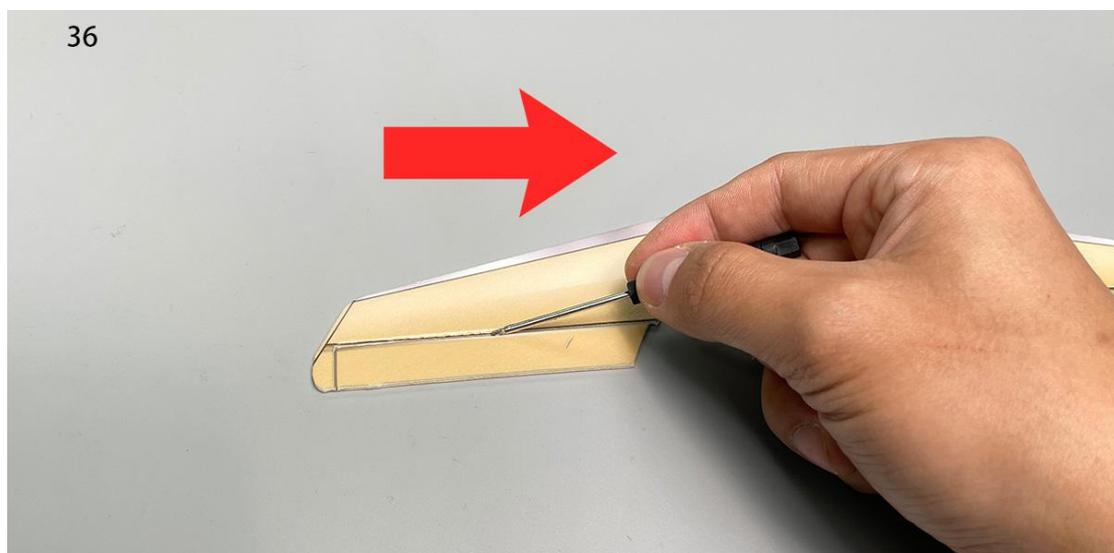
34. Install the vertical tail fin.



35. Use stickers to conceal the vertical tail fin reinforcement.



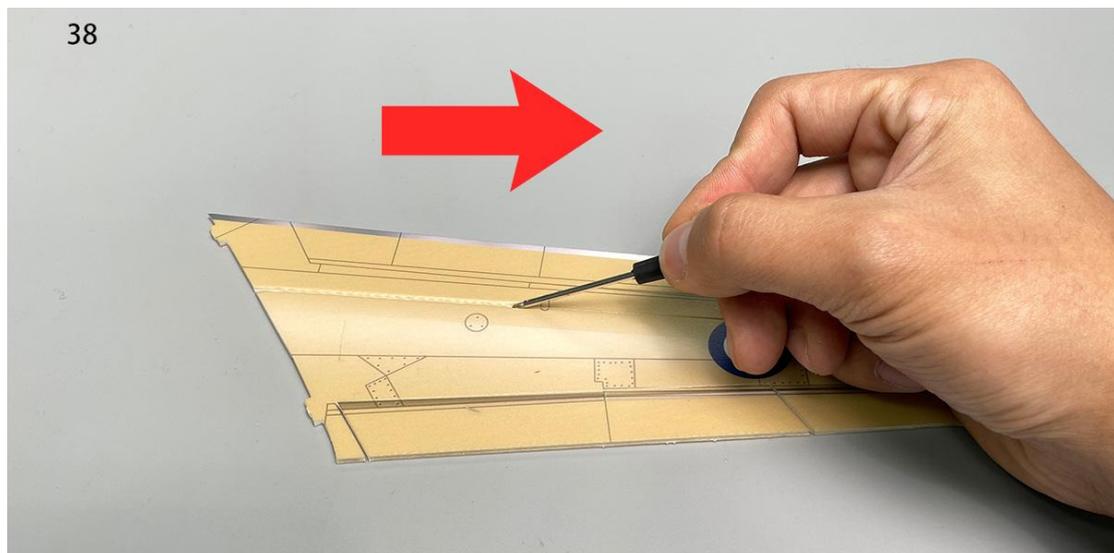
36. Use a sharp tool (screwdriver) to score through the marked lines on the bottom of the horizontal stabilizers, allowing the elevator to move freely along the lines on both sides.



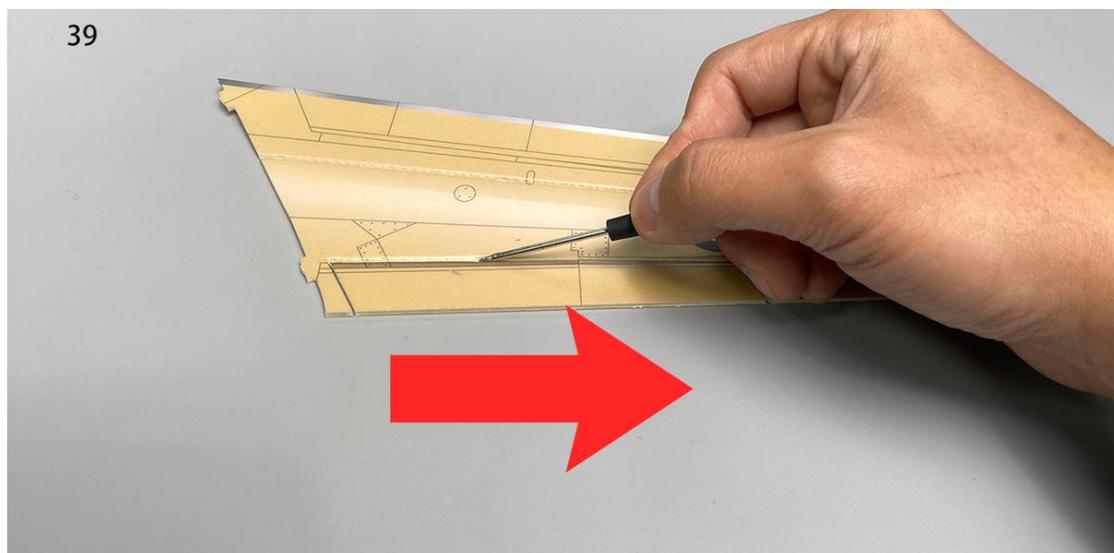
37. Install the horizontal stabilizers.



38. Use a sharp tool (screwdriver) to score along the wing's marked line, allowing the wing to fold downward along the center longitudinal line to form the airfoil.



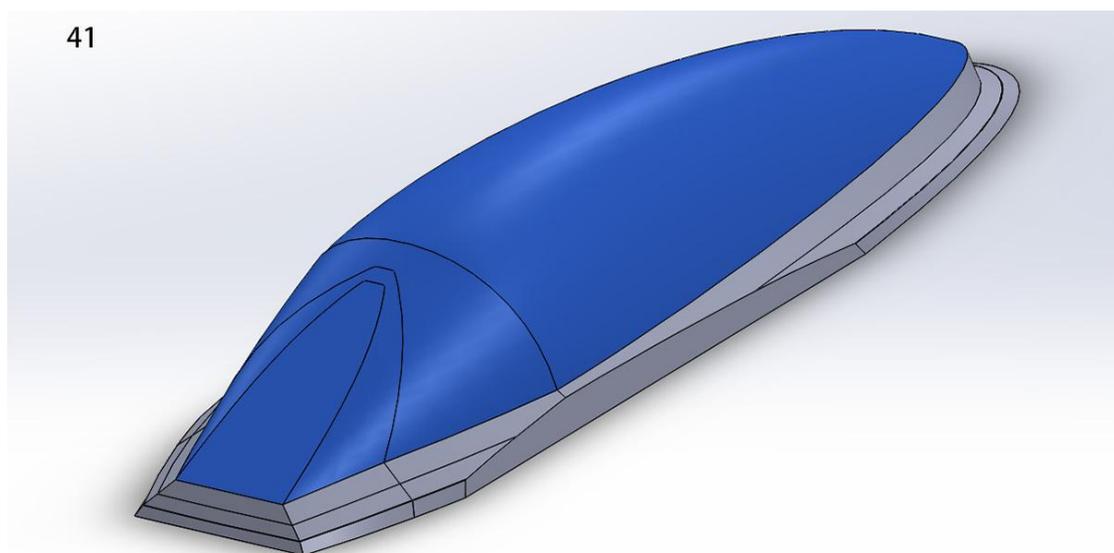
39. Use a sharp tool (screwdriver) to score along the aileron's marked line, allowing the aileron to move up and down along the line.



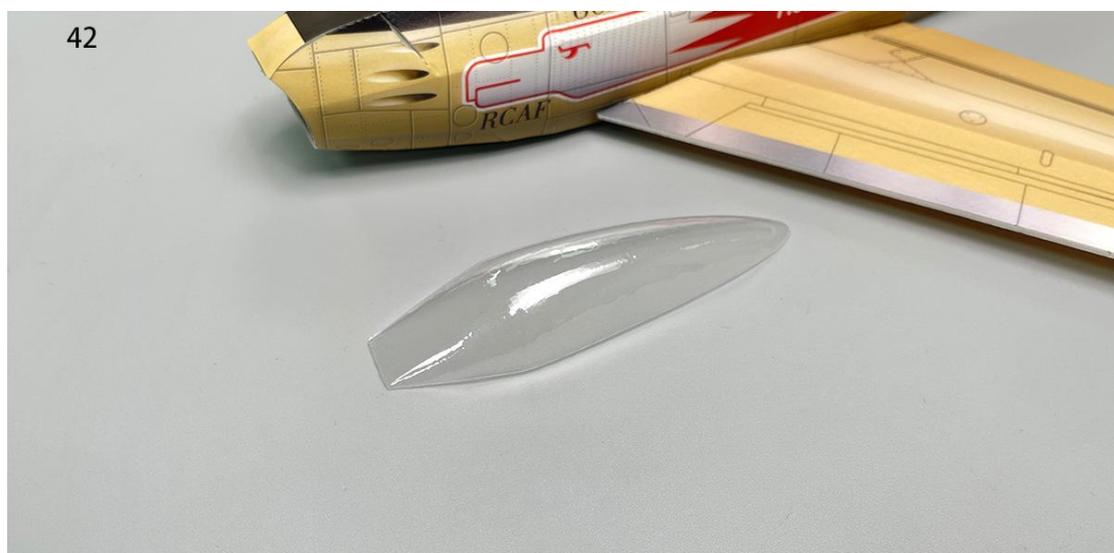
40. Install the wings.



41. Trim the excess portions of the vacuum-formed canopy as shown in the diagram. It is advisable to make a conservative initial cut, place the canopy on the fuselage for alignment, and then proceed with precise adjustments.



42. Trim to the finished size.



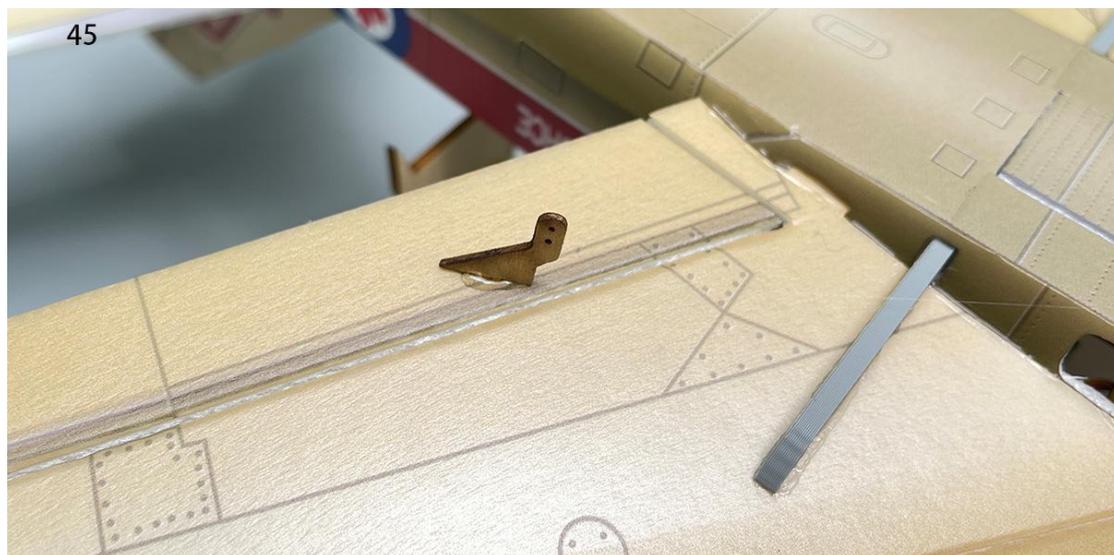
43. Glue the canopy onto the fuselage at the corresponding location.



44. Apply stickers to the canopy.



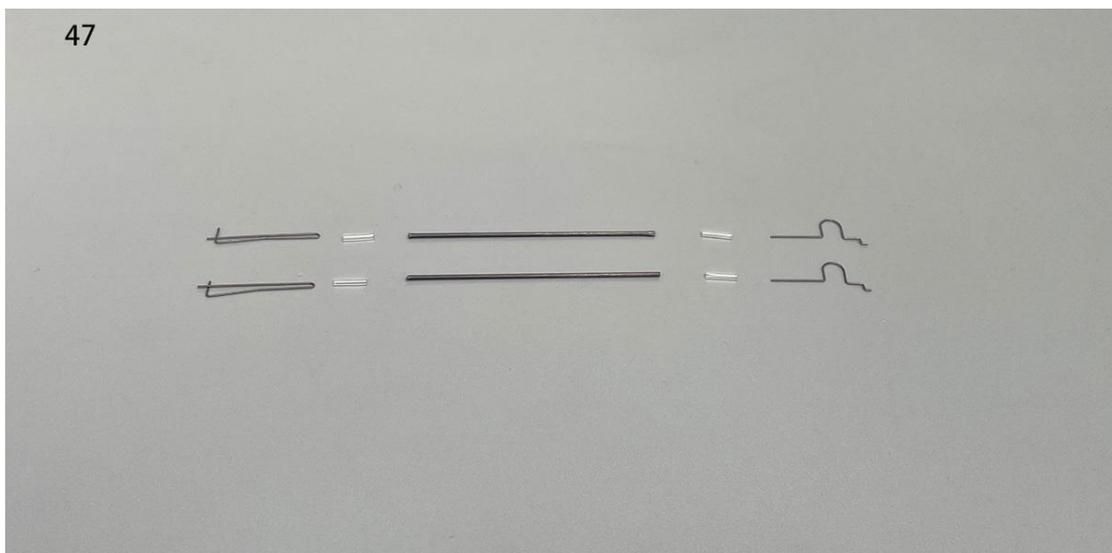
45. Install the aileron control horns.



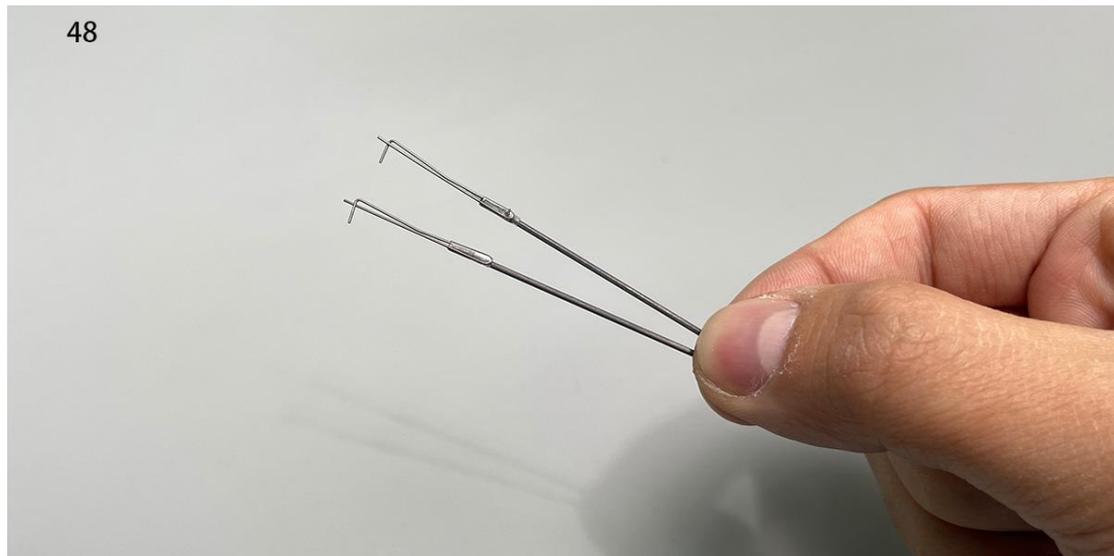
46. Install the elevator control horns.



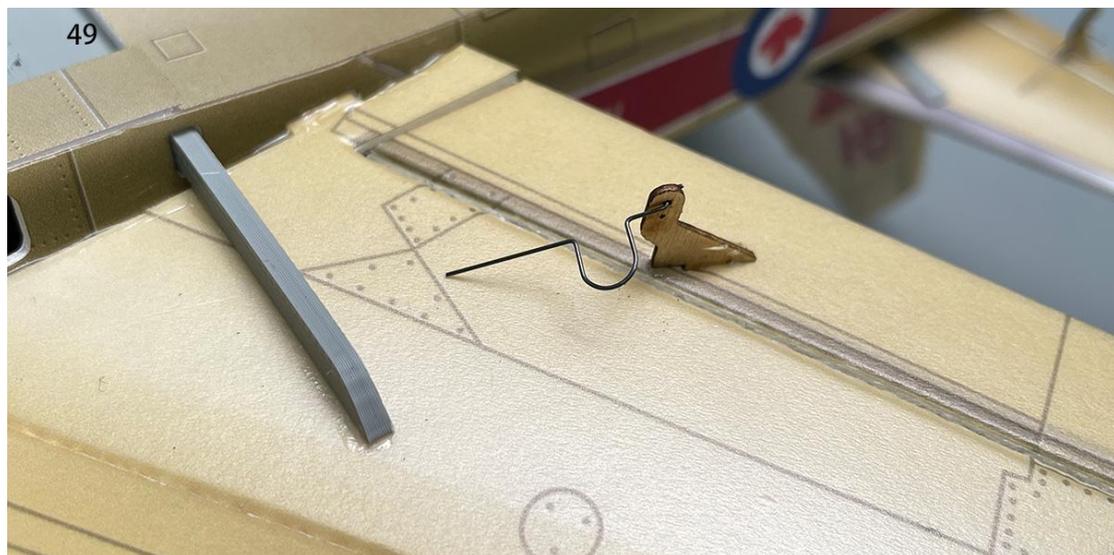
47. Retrieve two 65mm carbon rods for use as aileron control rods. Cut four pieces of heat shrink tubing, each 5mm in length, to connect the aileron control rods and the wire clamp heads.



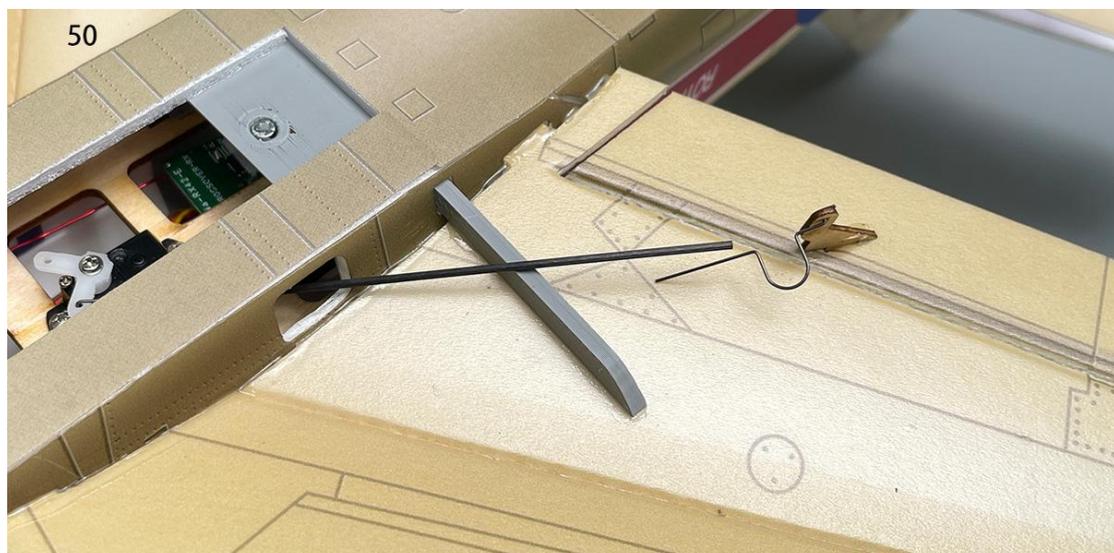
48. Use heat shrink tubing to connect the control rods and servo wire clamp heads, then apply 502 glue for fixation.



49. Install the connection hooks on the aileron control horns.



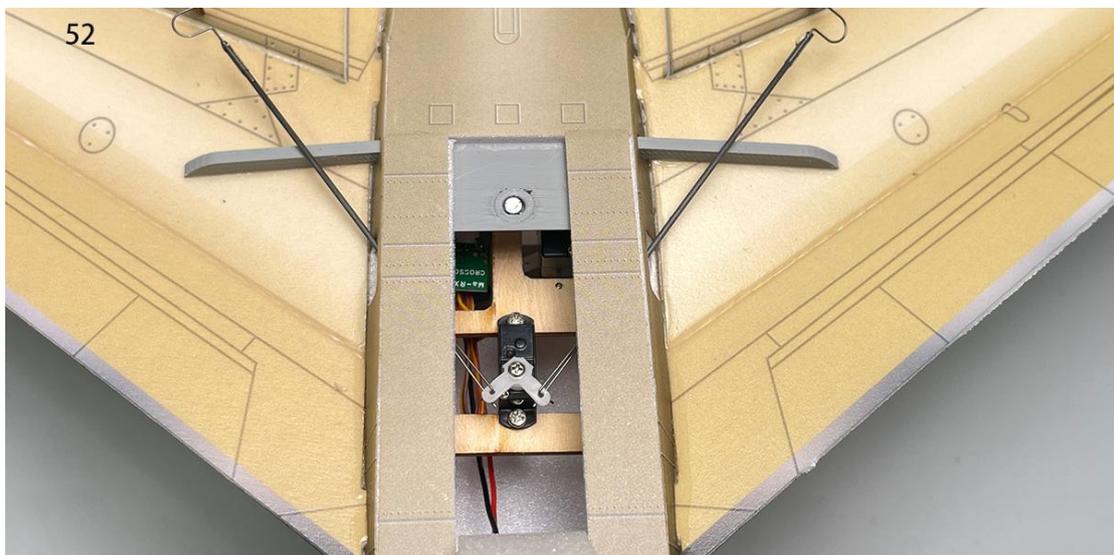
50. Insert the wire clamp heads into the fuselage, and attach them onto the aileron servo arms.



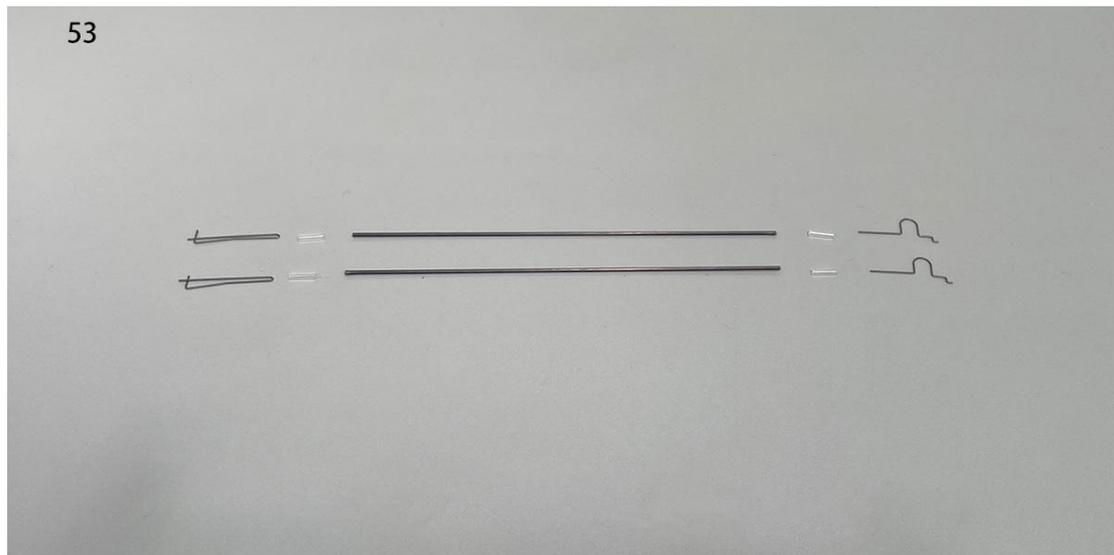
51. Use heat shrink tubing to connect the aileron control rods to the connection hooks, then apply 502 glue for fixation.



52.



53. Retrieve two 155mm carbon rods for use as elevator control rods. Cut four pieces of heat shrink tubing, each 5mm in length, to connect the elevator control rods and the wire clamp heads.



54. Use heat shrink tubing to connect the control rods and servo wire clamp heads, then apply 502 glue for fixation.



55. Cut out the top operation window cover to facilitate the installation of the horizontal tail fin control rod. Install the rod clamp head onto the tail servo arm.



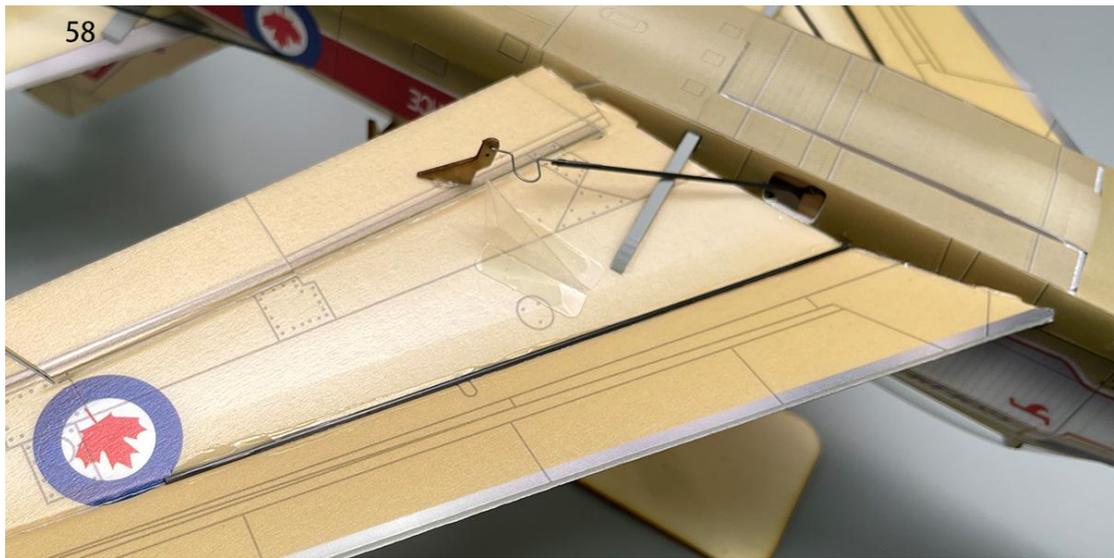
56. Install the connection hooks on the elevator control horns.



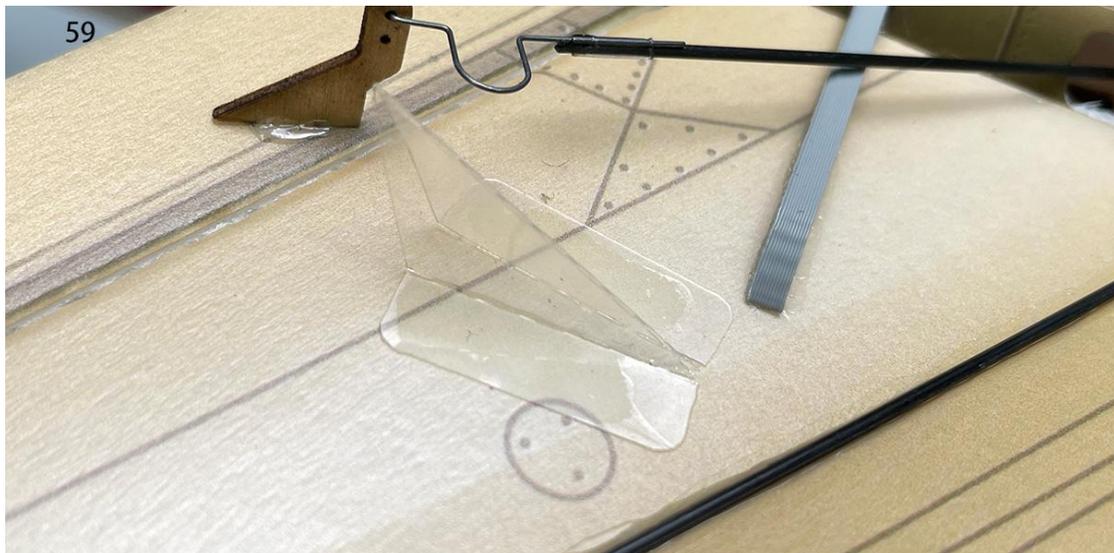
57. Use heat shrink tubing to connect the control rods to the connection hooks, then apply 502 glue for fixation.



58. Paste carbon rods at the wing folding line to increase its strength. Paste control horn guards in front of the control horns.



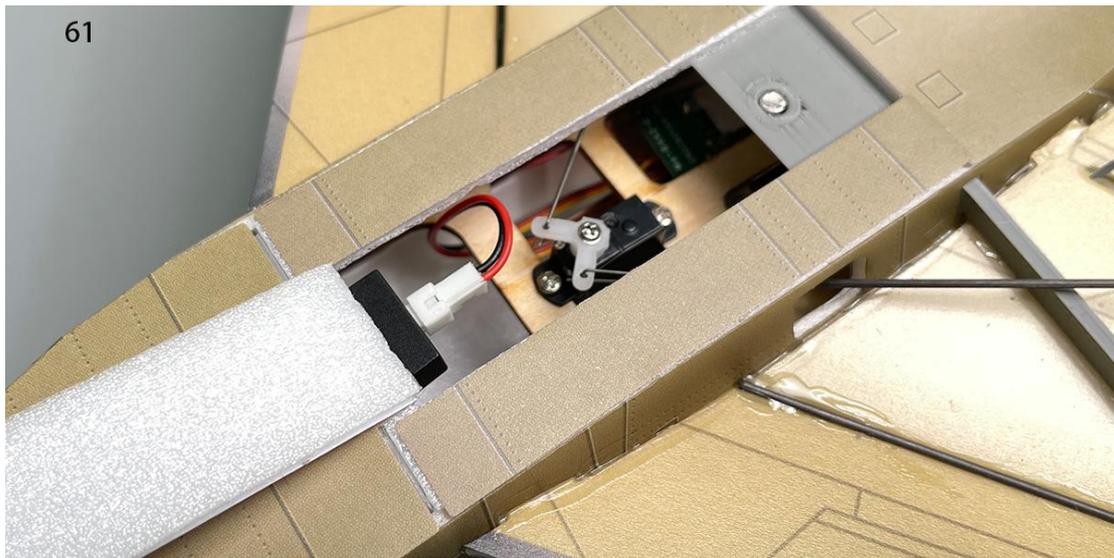
59.



60. Apply the operation window sticker.



61. Place the battery at the front of the fuselage. Use Velcro to secure the counterweight iron plates on the inner wall of the nose for center of gravity adjustment.



Assembly complete!



Maiden flight

- The center of gravity of the aircraft is located 5mm in front of the wing spar.
- Usually 1-2 counterweight iron plates need to be installed.
- The active range of ailerons and elevators are 3mm on both sides.
- Choose grass land for maiden flight

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