

# Minimum RC™

## BAE Hawk- Red Arrows Assembly Instructions



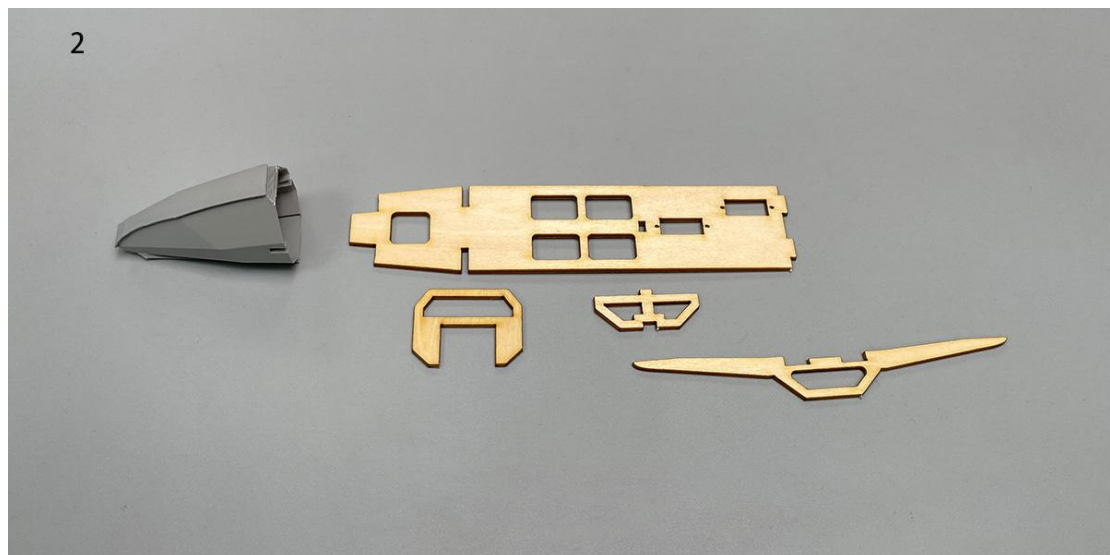
### Important Instructions

- 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 printed components.



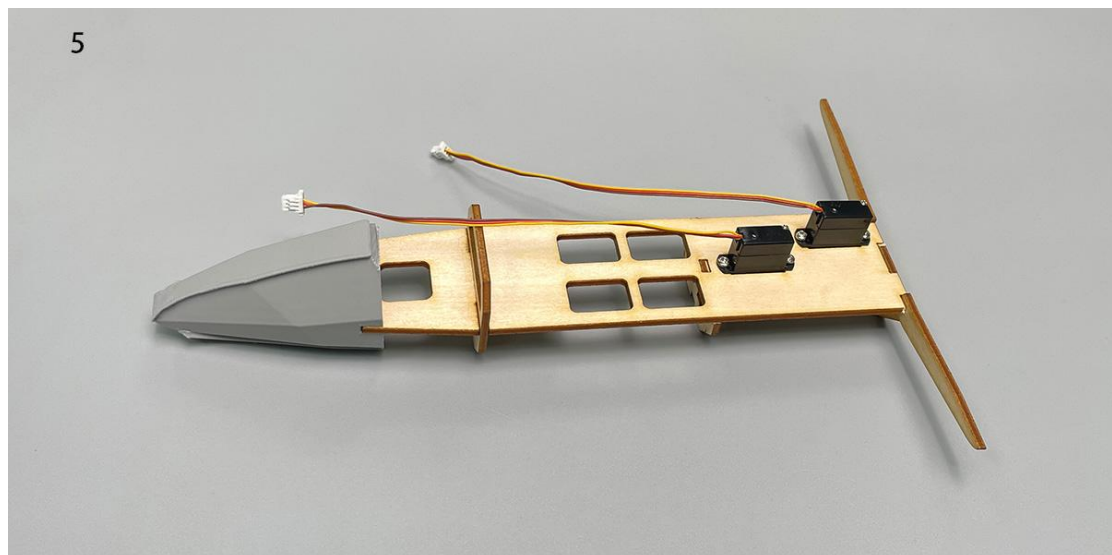
3. Assemble the fuselage wooden frame parts and printed components.



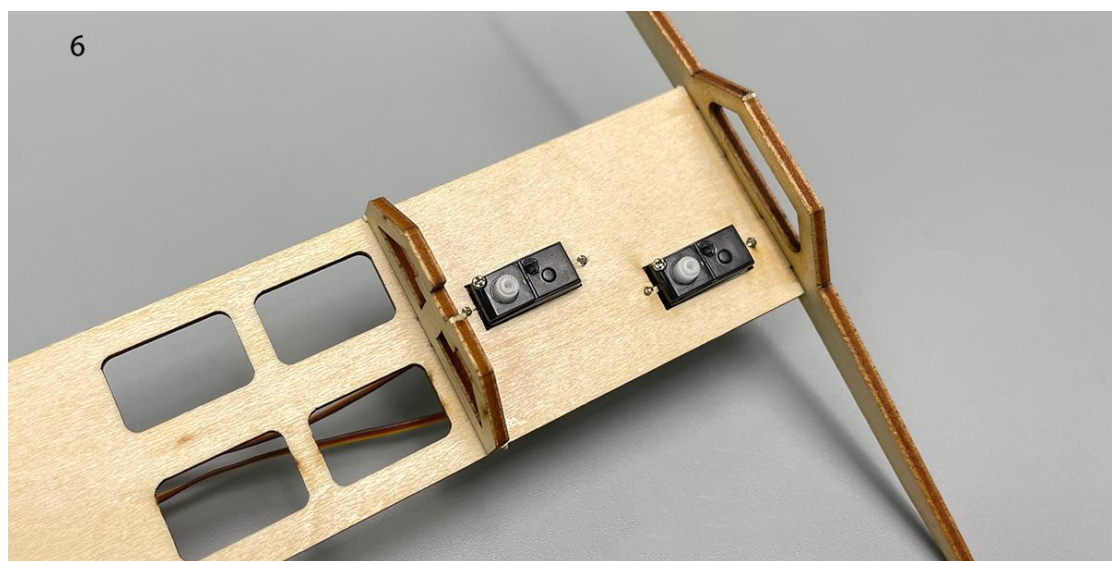
4.



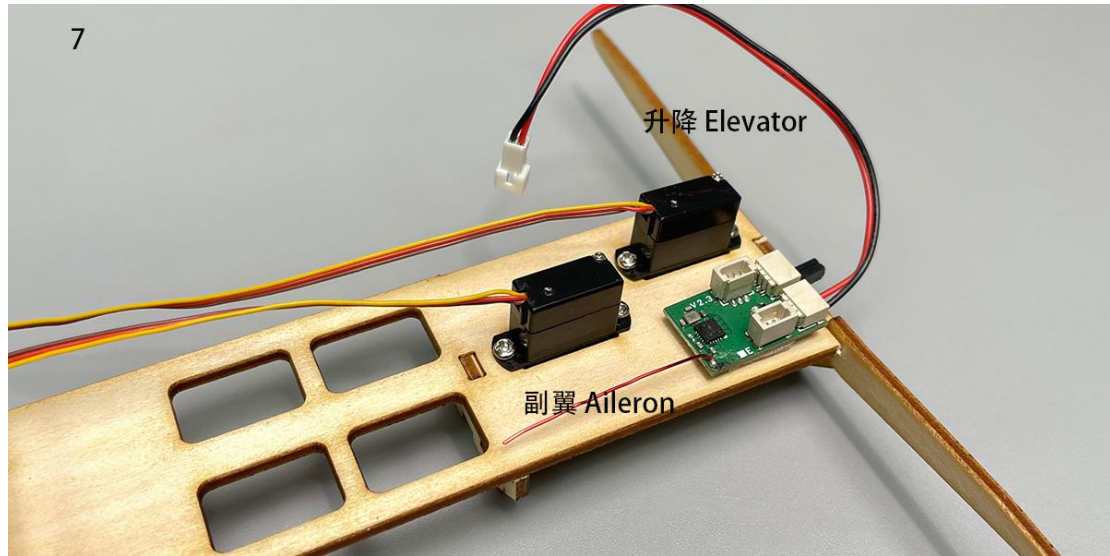
5. Install the servo as shown. (Top view of the parts)



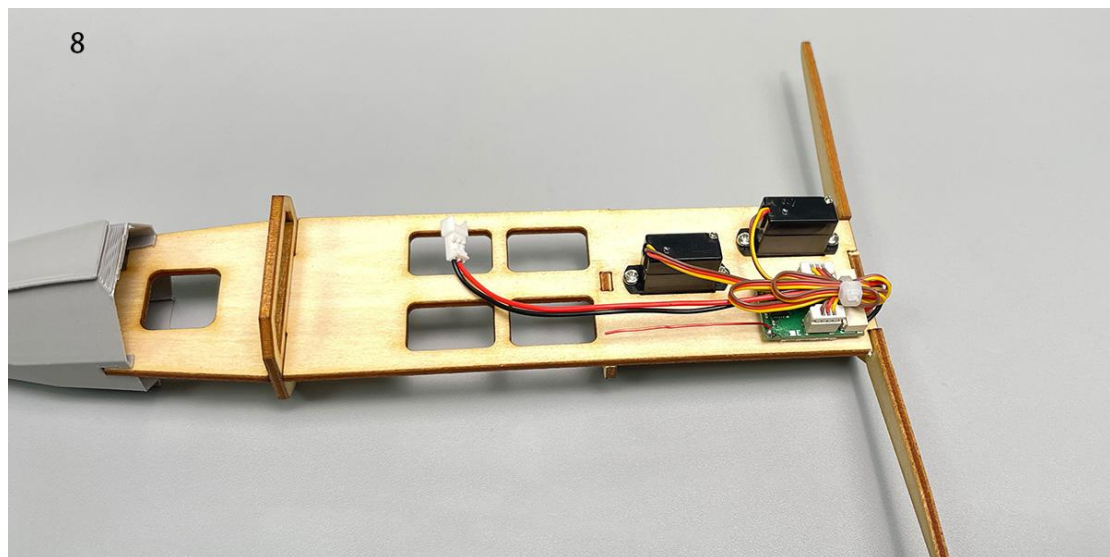
6. Install the servo as shown. (Bottom view of the parts)



7. Secure the receiver with Velcro.



8. Connect the receiver to the servo. Bind the receiver with the transmitter, and test whether the servo is functioning properly, ensuring that the servo's correspondence with the channels is correct.



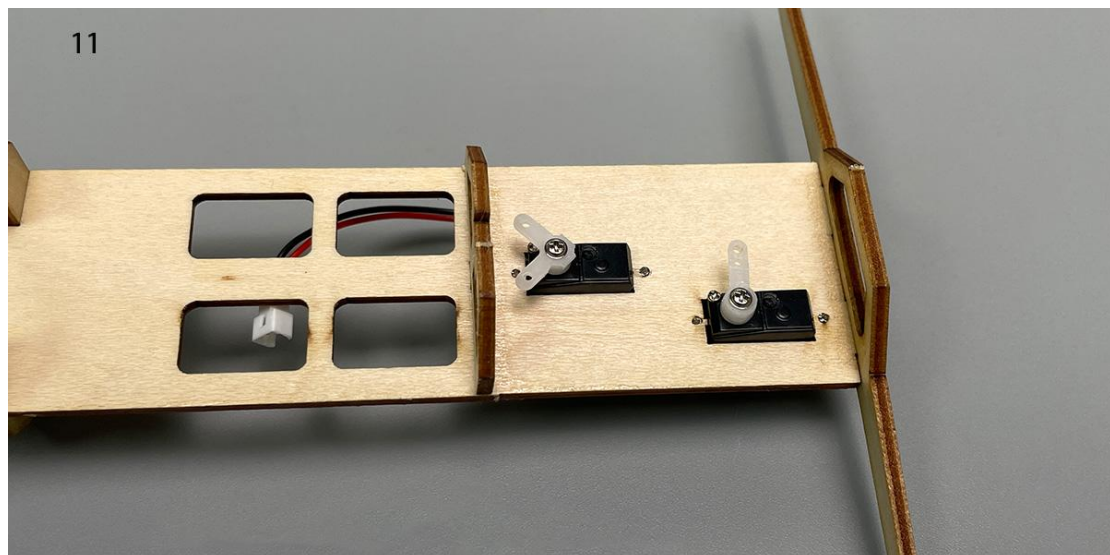
9. The aileron servo uses a cross-shaped arm.



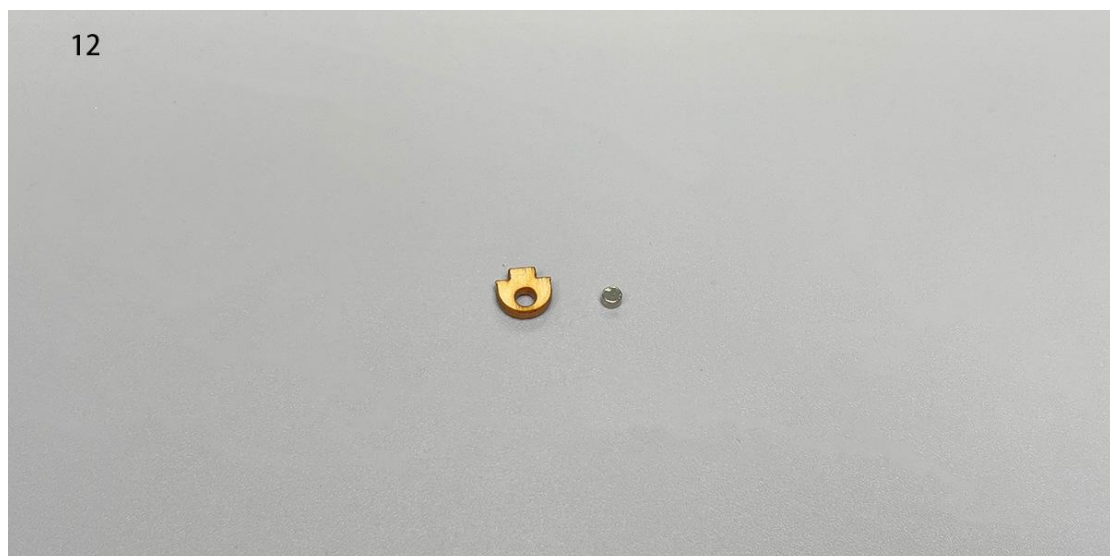
10. Remove the two adjacent arms of the cross-shaped arm.



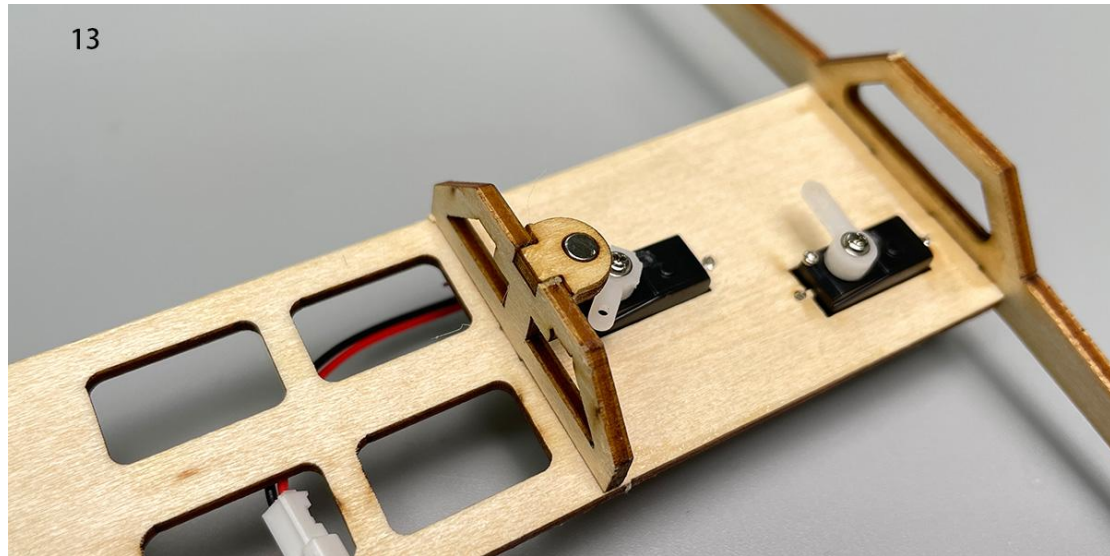
11. Install the arms onto the servos.



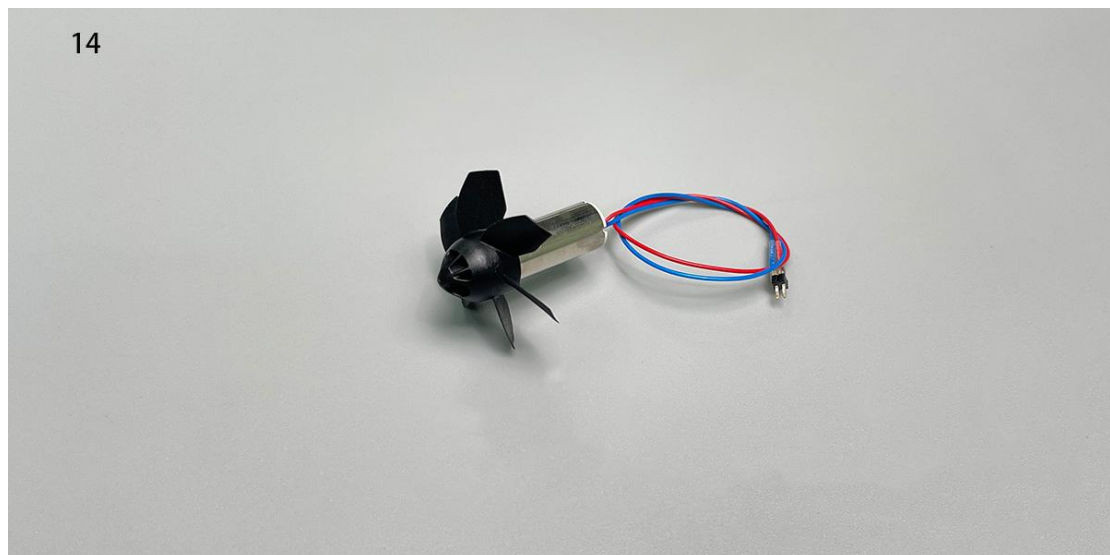
12. Magnets and its supporting structure.



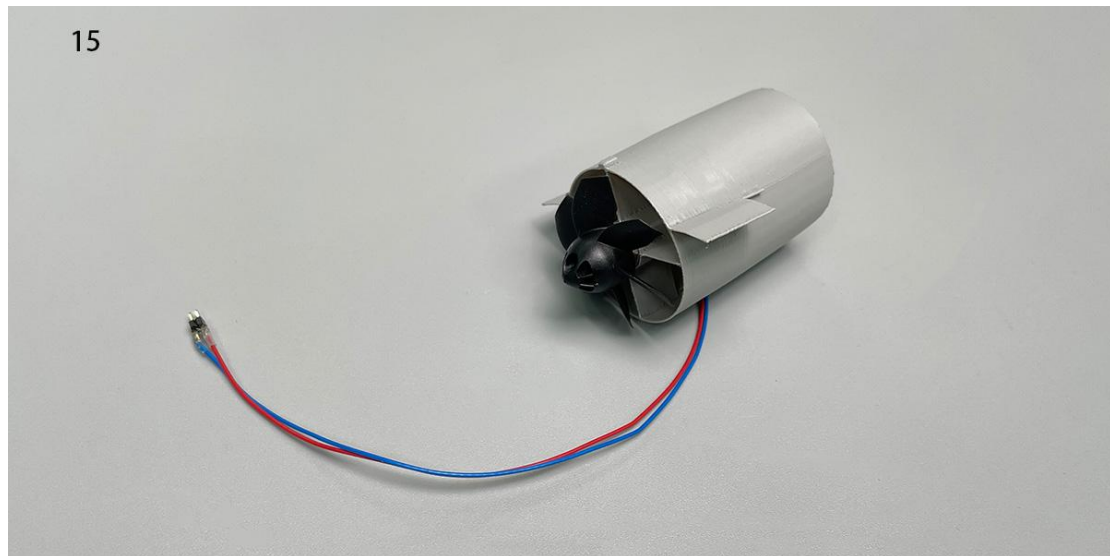
13. Install the magnetic assembly according to the diagram.



14. Mount the propeller onto the motor. Ensure that the blades are fully secured in place.



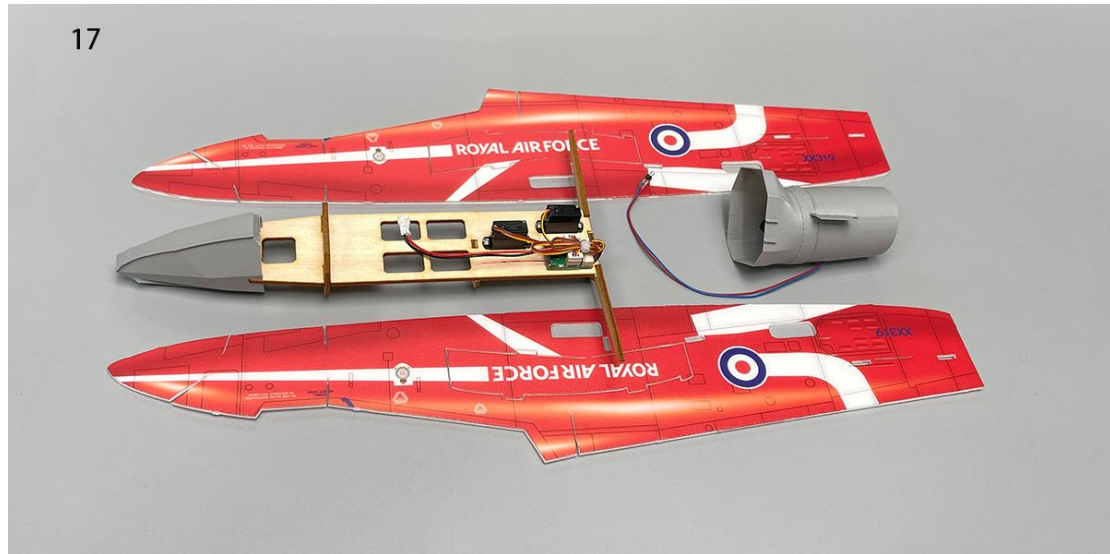
15. Assemble the motor with the printed duct component, adjust the motor installation depth, ensuring that the propeller blades are as close to the support structure as possible and rotate freely. Use glue to secure the motor from the rear end, as shown in the diagram.



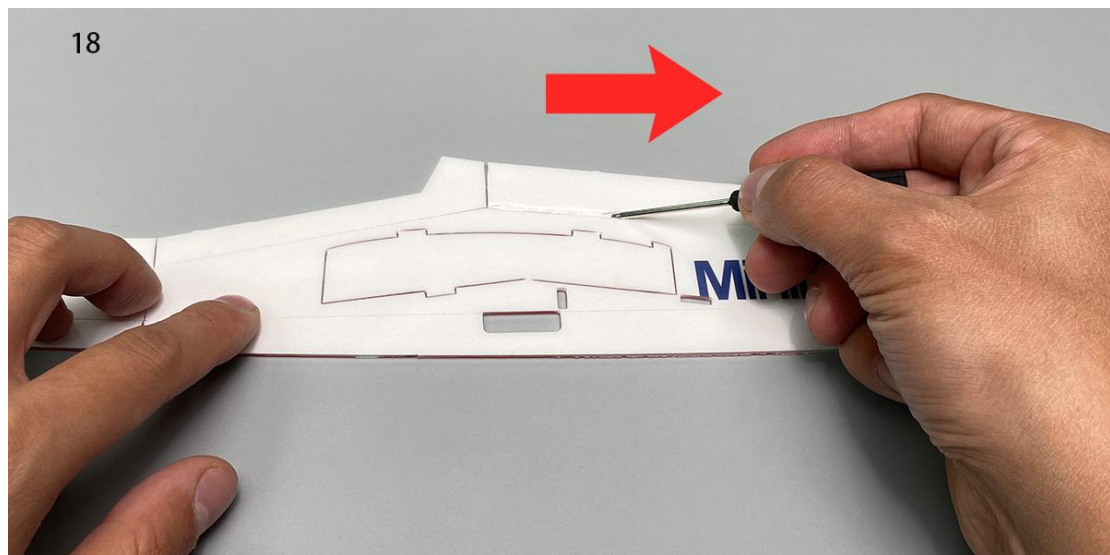
16. Assemble the duct and the air intake lip, and use 502 glue to fix them externally (ensure the glue does not come into contact with the propeller). Thread the motor cables through the wiring hole.



17.



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

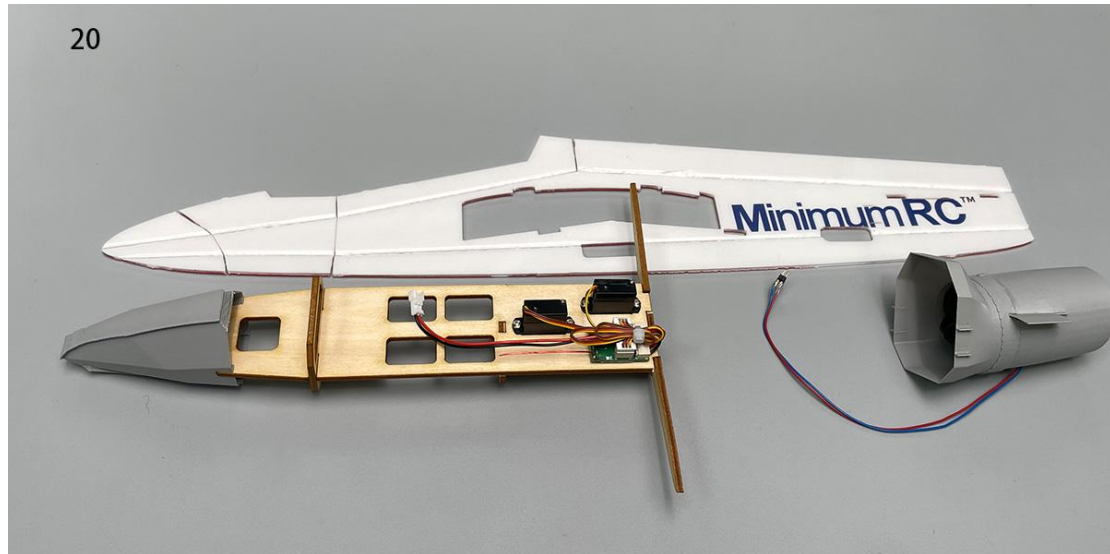


19. Caution: When performing engraving operations, make sure to press on the part closest to the engraving lines to avoid tearing the components. (As shown in the diagram)

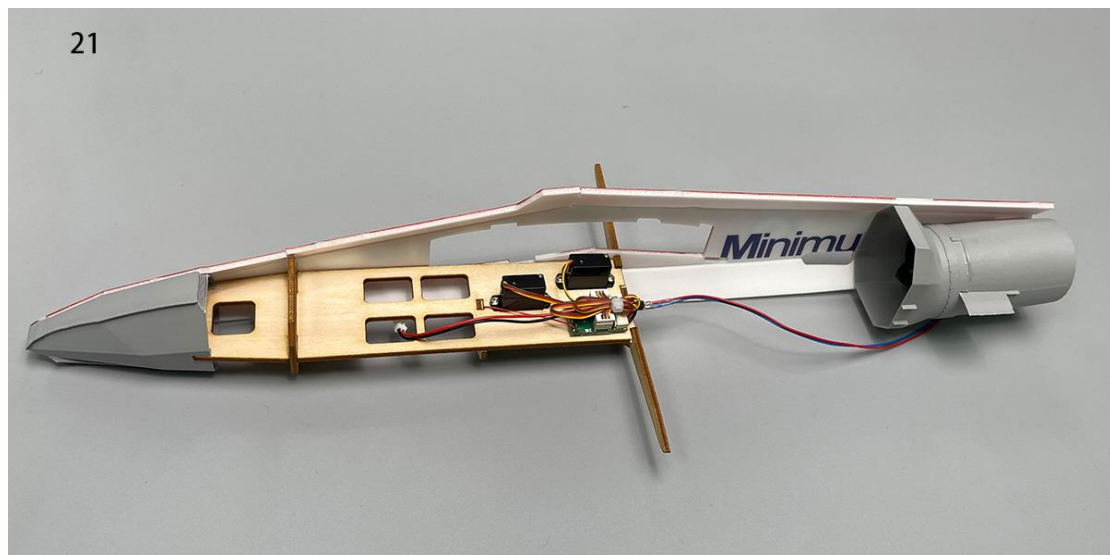




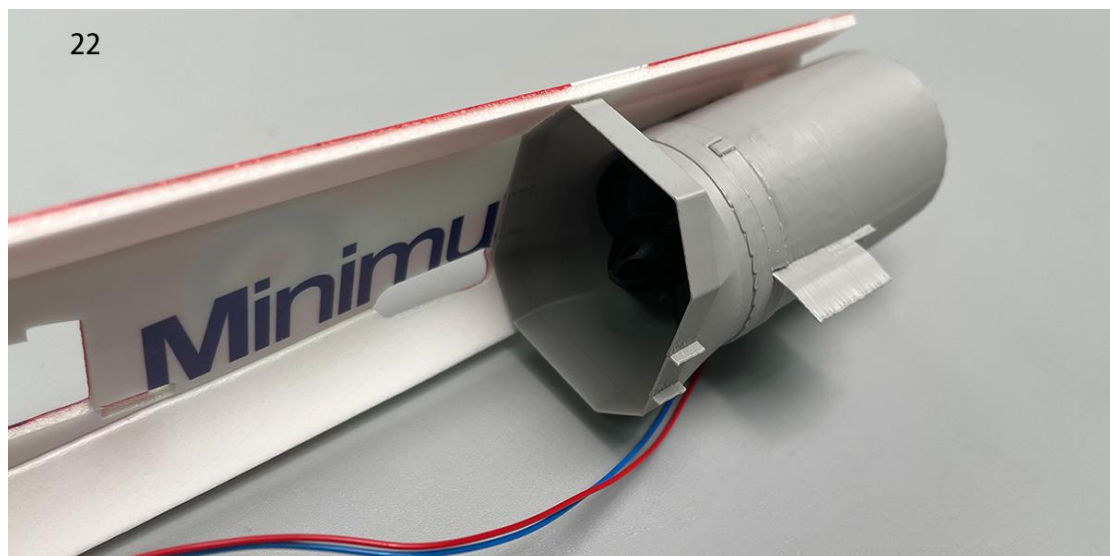
20.



21. Assemble one side of the fuselage, the wooden framework, and the duct with glue. Connect the motor to the receiver and test it to confirm that the motor rotation direction is correct.



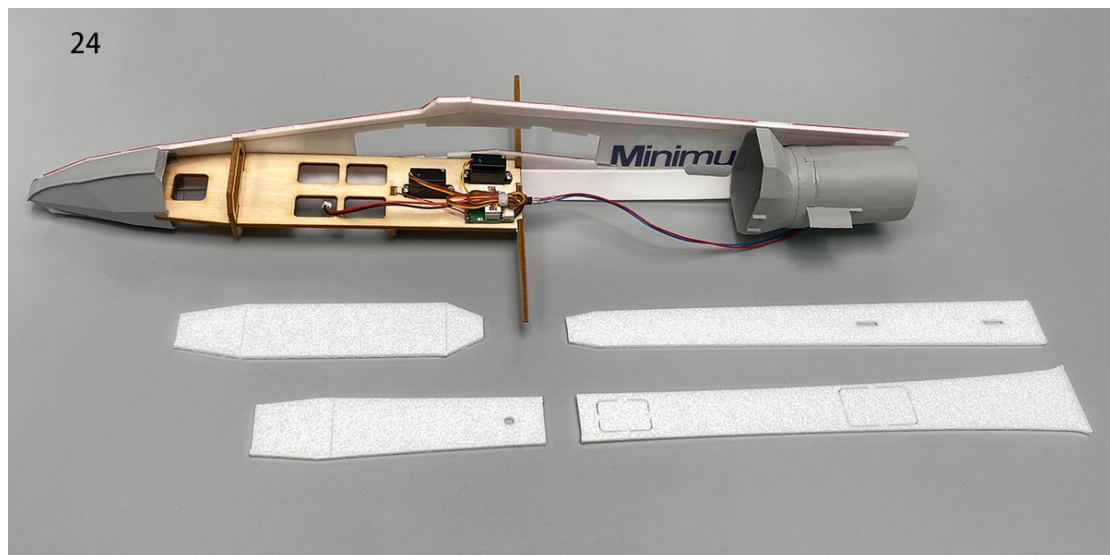
22. The positioning tip of the duct should be fully embedded into the fuselage.



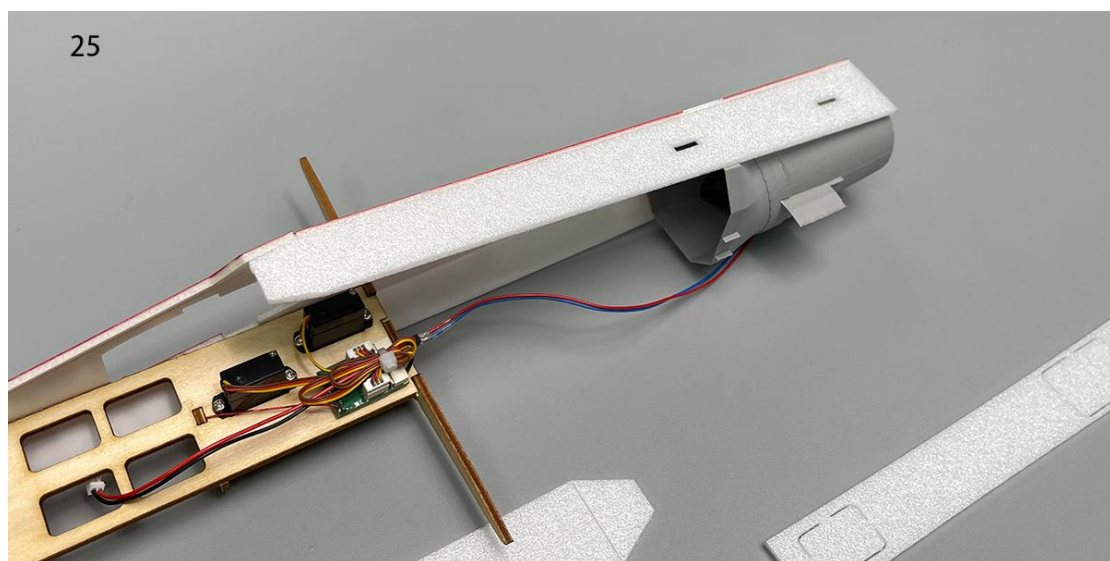
23.



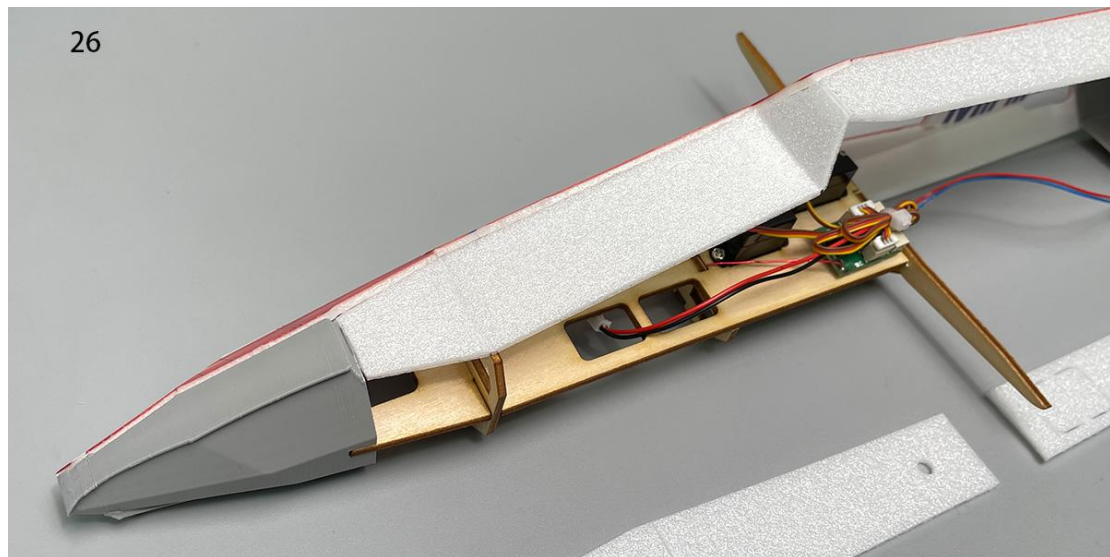
24. PS foam parts.



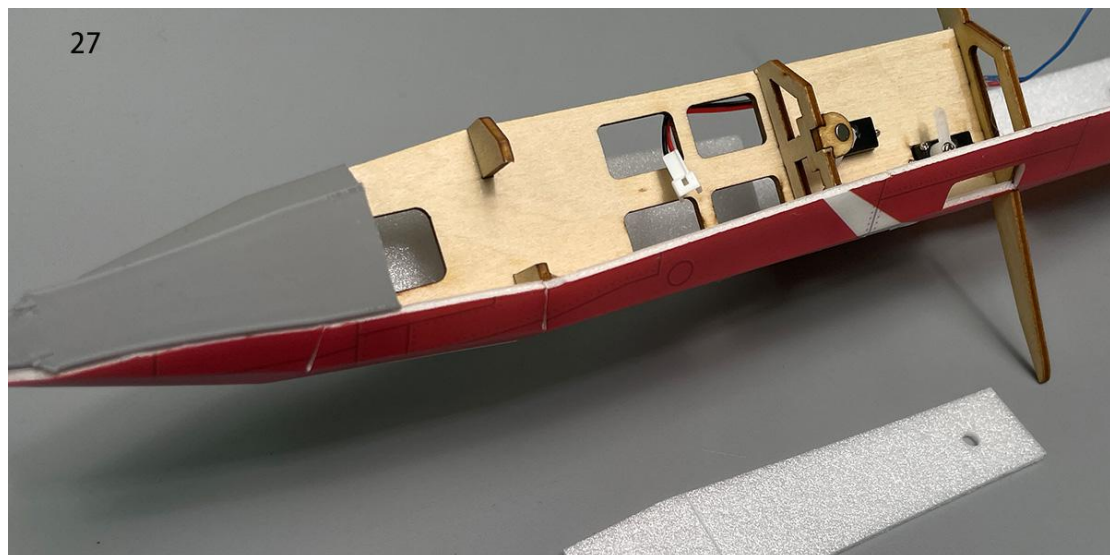
25. Secure the PS board at the top of the tail section with glue.



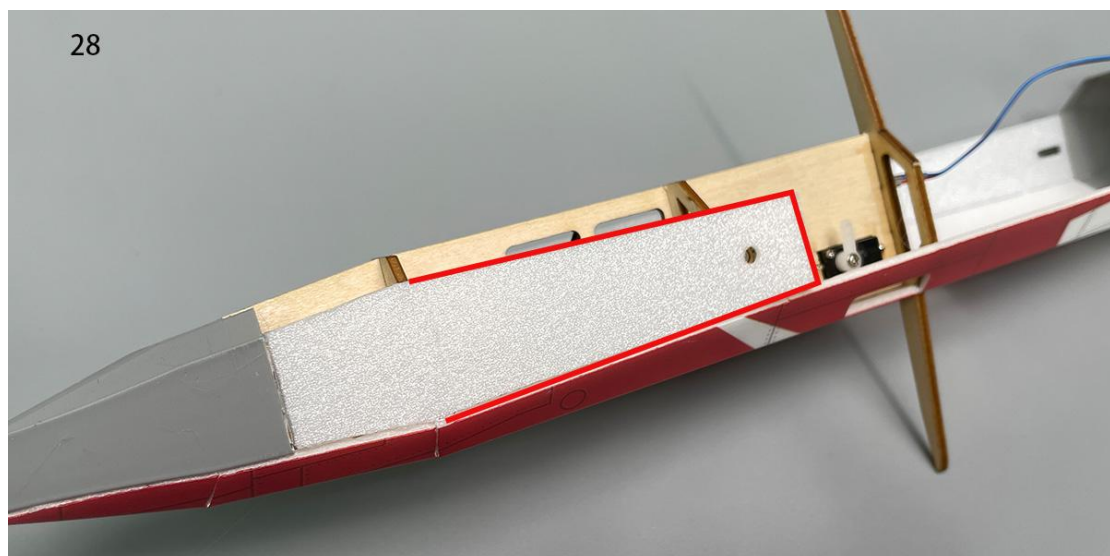
26. Use glue to secure the cockpit foam board.



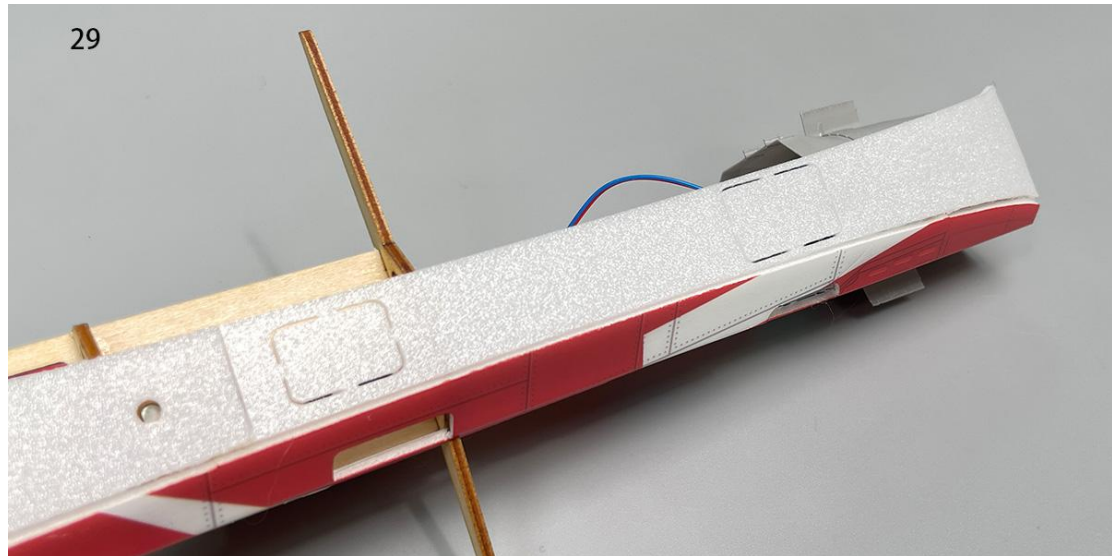
27.



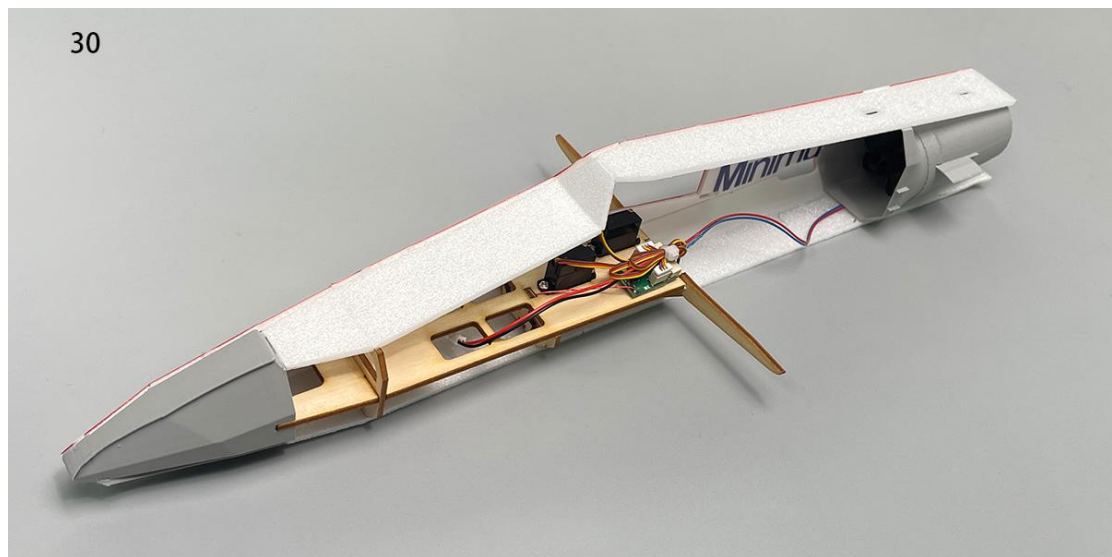
28. Use glue to secure the fuselage bottom plate, do not apply glue to the red-lined section.



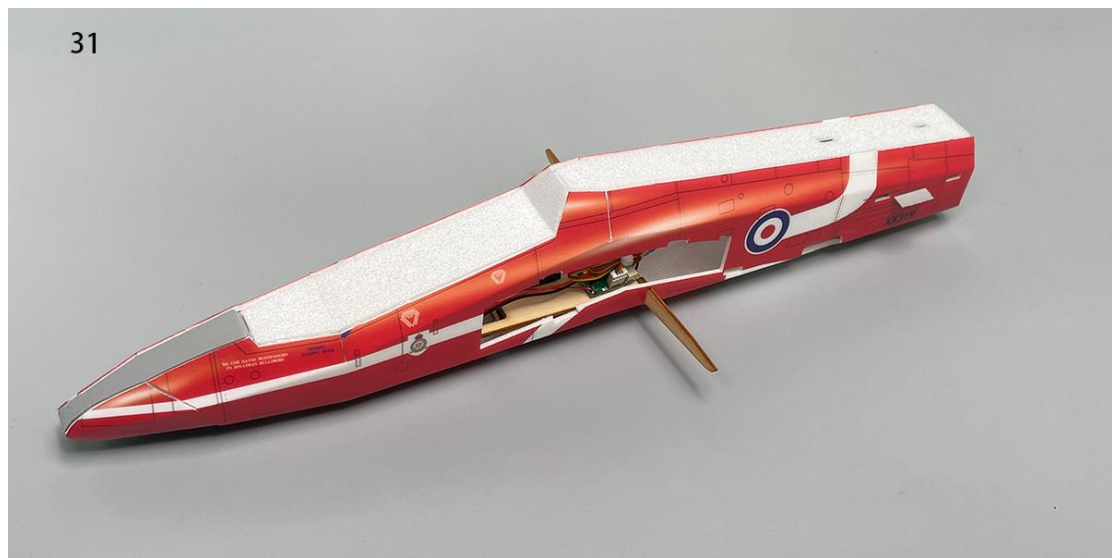
29. Use glue to affix the bottom plate of the tail section.



30.



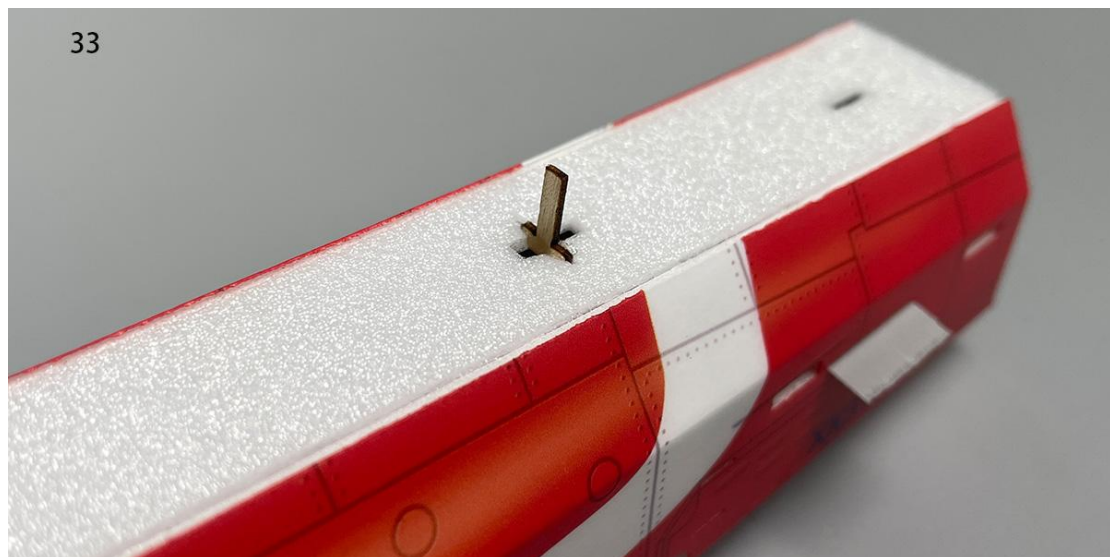
31. Combine the fuselage.



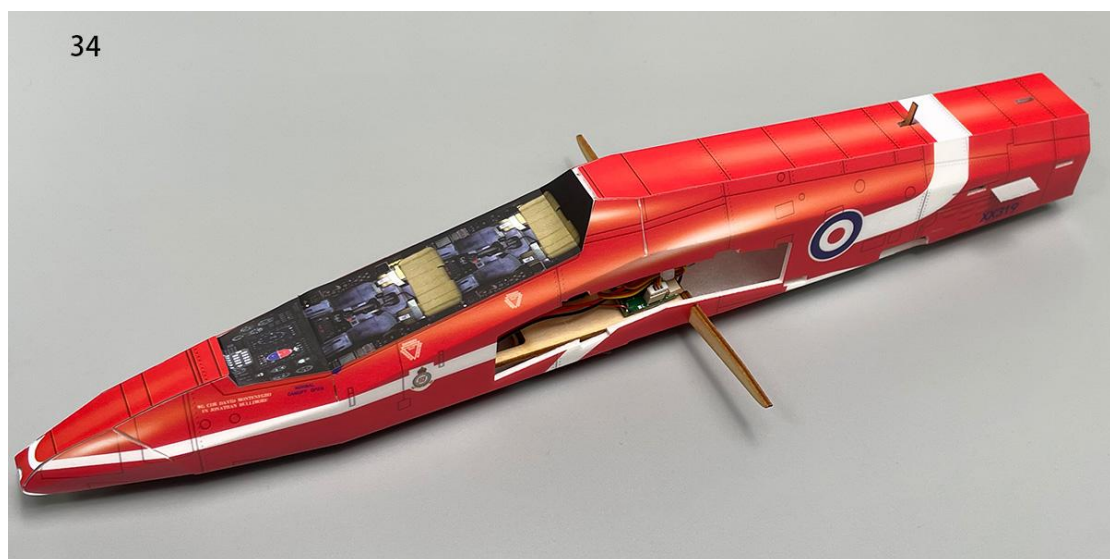
32. Vertical tail fin reinforcement piece.



33. Secure the vertical tail fin reinforcement piece with glue. (As shown in the diagram)



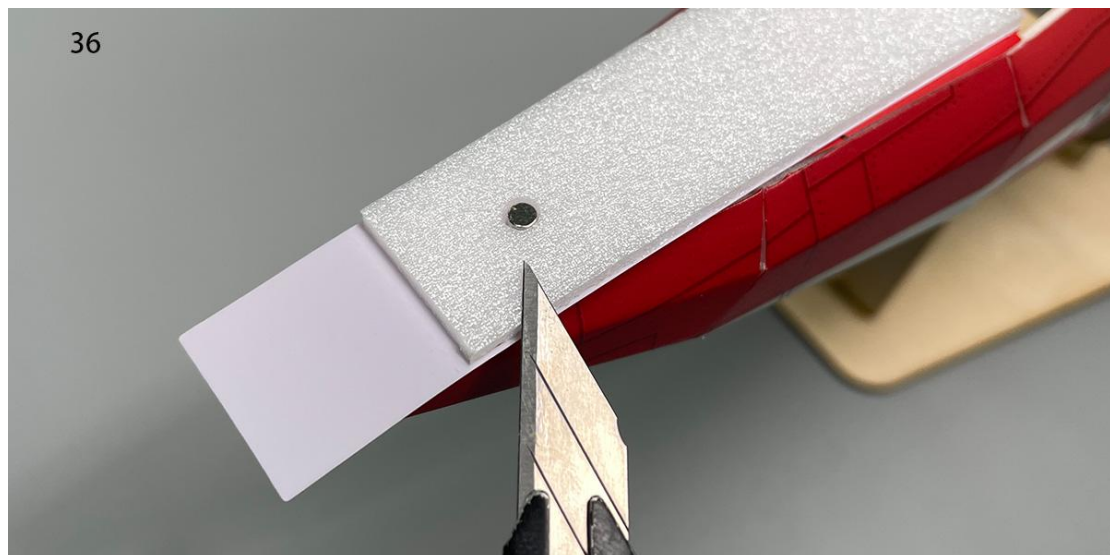
34. Apply the fuselage stickers.



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



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



37. Seal the mounting hole with sticker.



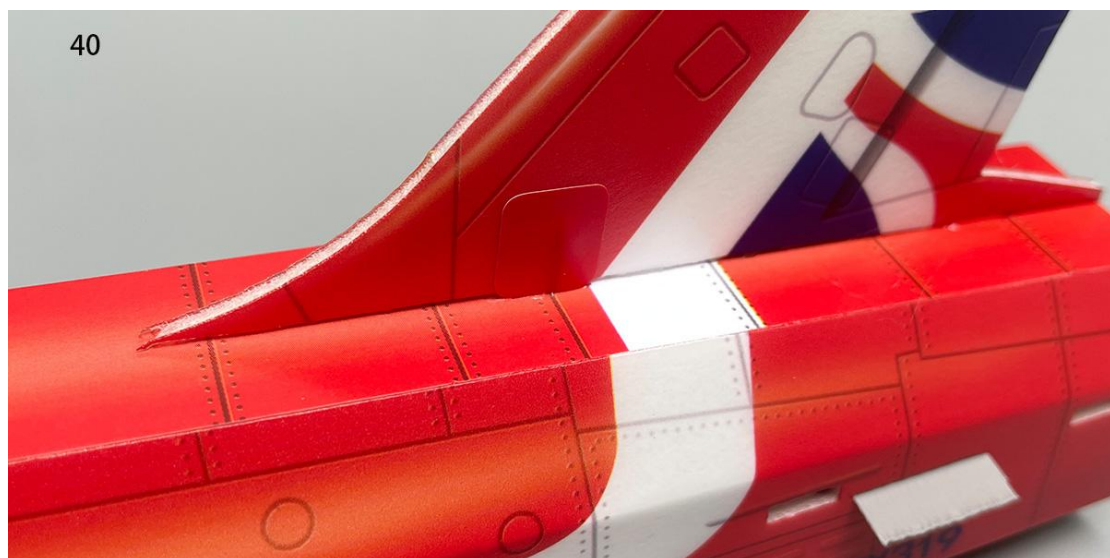
38. The battery cover is magnetically attached in the closed position. Temporarily refrain from applying the bottom tail sticker.



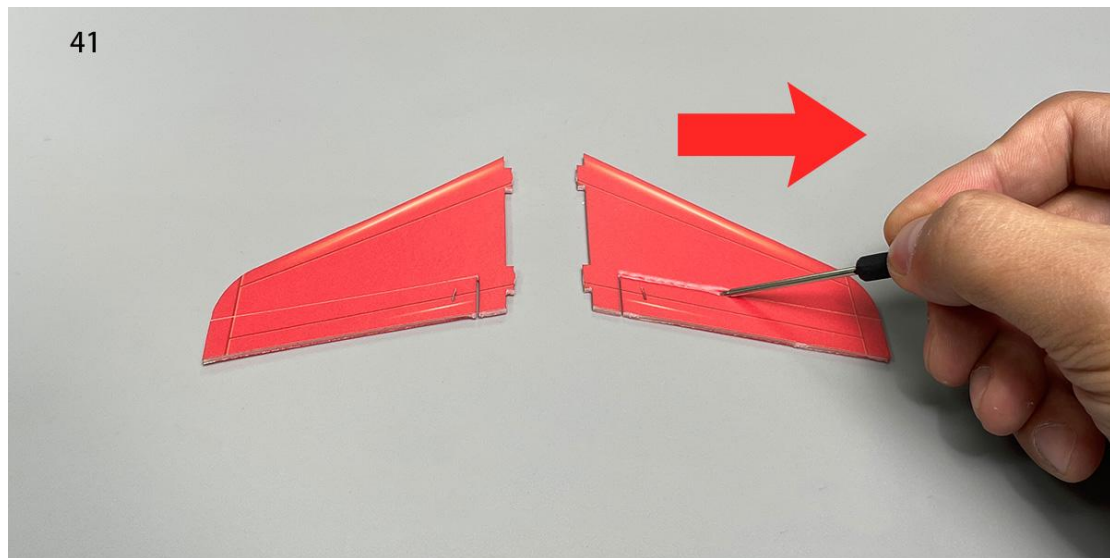
39. Install the vertical tail fin.



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



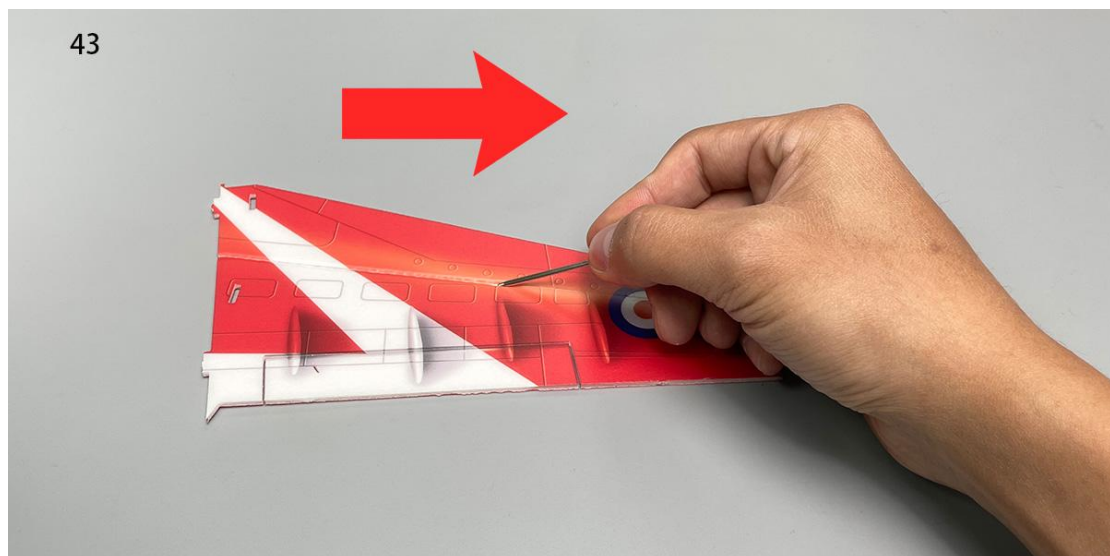
41. Use a sharp tool (screwdriver) to score through the marked lines on the bottom of the horizontal stabilizers, allowing the elevator to move freely along the lines on both sides.



42. Install the horizontal stabilizers.

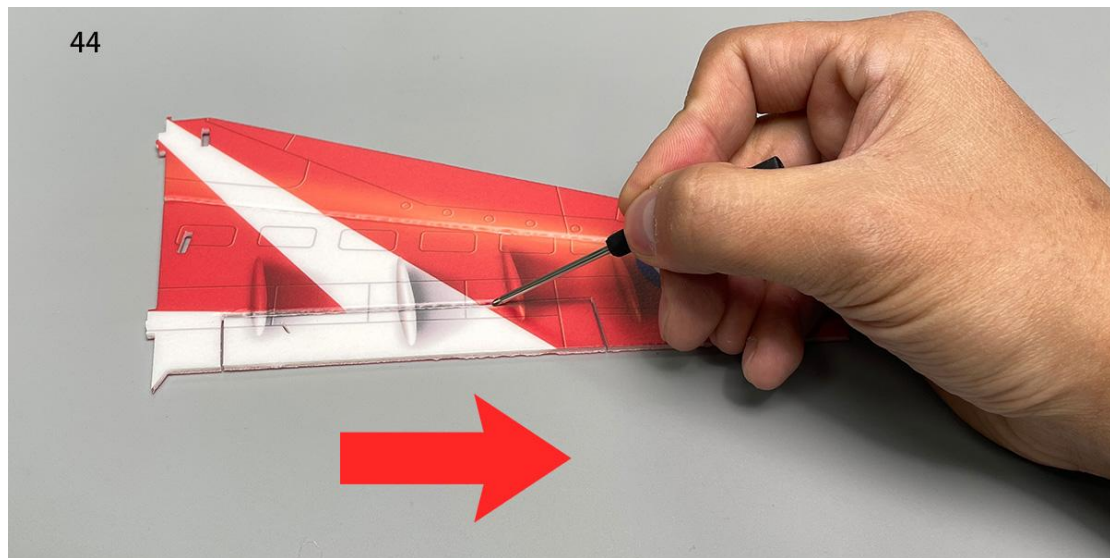


43. Use a sharp tool (screwdriver) to score along the wing's marked line, allowing the wing to fold downward along the center longitudinal line to form the airfoil.

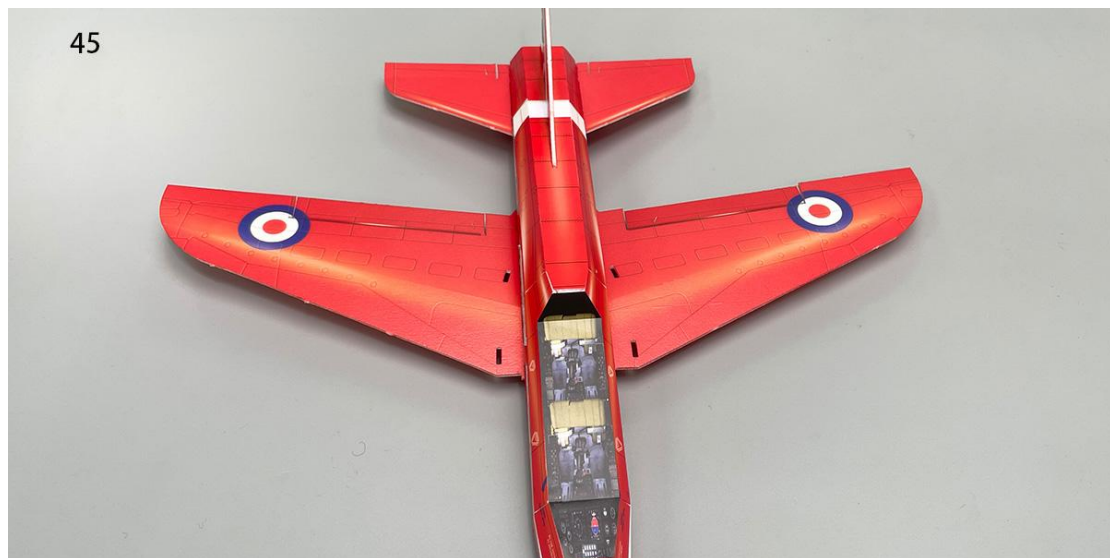




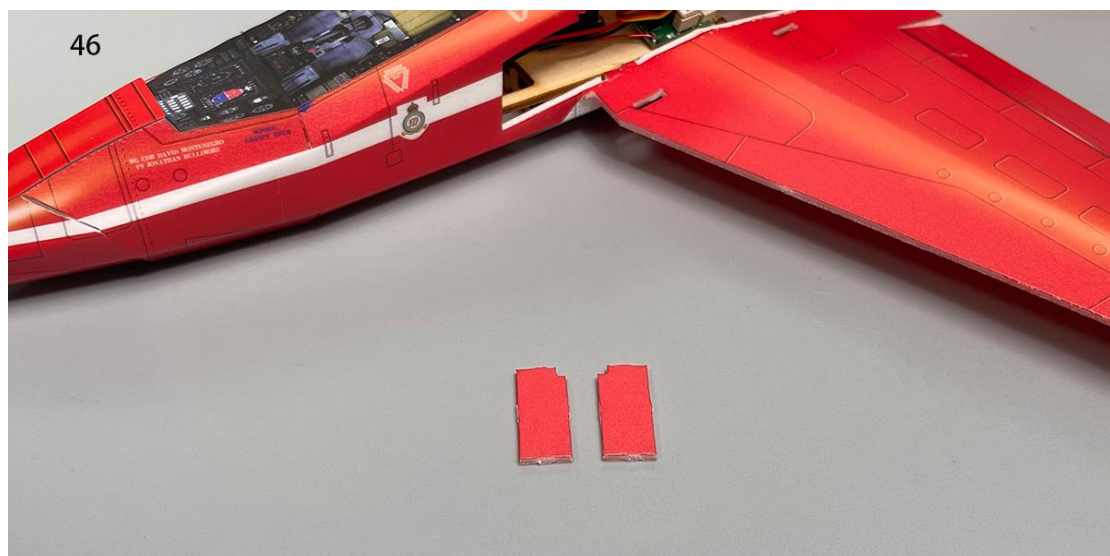
44. Use a sharp tool (screwdriver) to score along the aileron's marked line, allowing the aileron to move up and down along the line.



45. Install the wings.



46. Wing patches.



47. Align the cut and use glue to secure the wing patches in place.



48. Intake port PS foam board.



49. Bend the intake port PS foam board slightly. Method: Press the part that needs to be bent against your palm, place it on the edge of the table, and slide and squeeze it to create a curved shape.



50. Place the part that needs to be bent against your palm, press it against the edge of the table, and slide it to create a curved shape.



51. Install the intake port PS foam board. Apply glue on both installation surfaces to ensure strong adhesion.



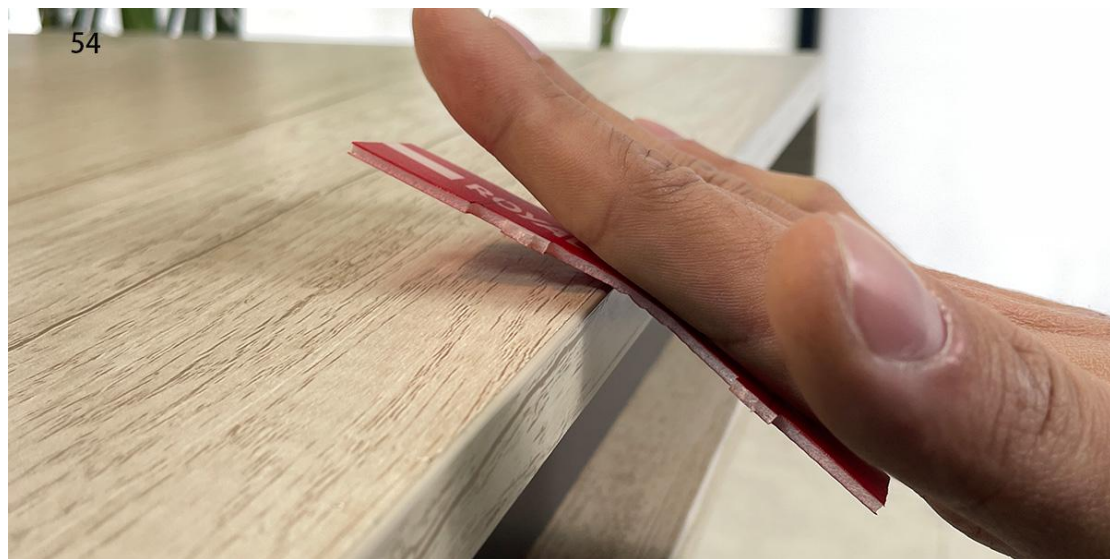
52. Intake port component.



53. Bend the intake port component slightly. Method: Press the part that needs to be bent against your palm, place it on the edge of the table, and slide and squeeze it to create a curved shape.



54. Place the part that needs to be bent against your palm, press it against the edge of the table, and slide it to create a curved shape.



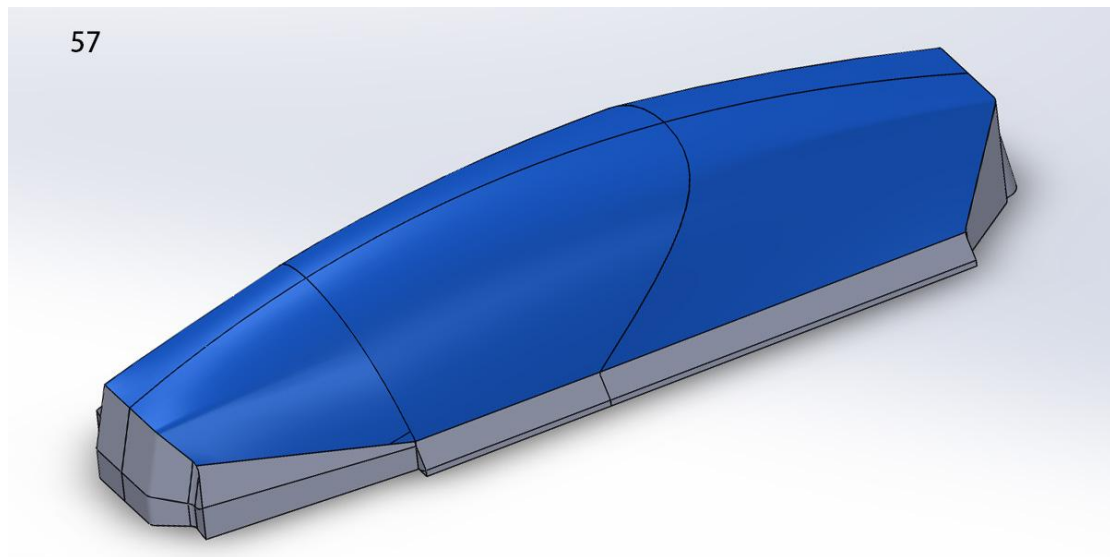
55. Install the intake KT foam board. Apply glue on both installation surfaces to ensure strong adhesion.



56. Apply the intake sticker.



57. 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.



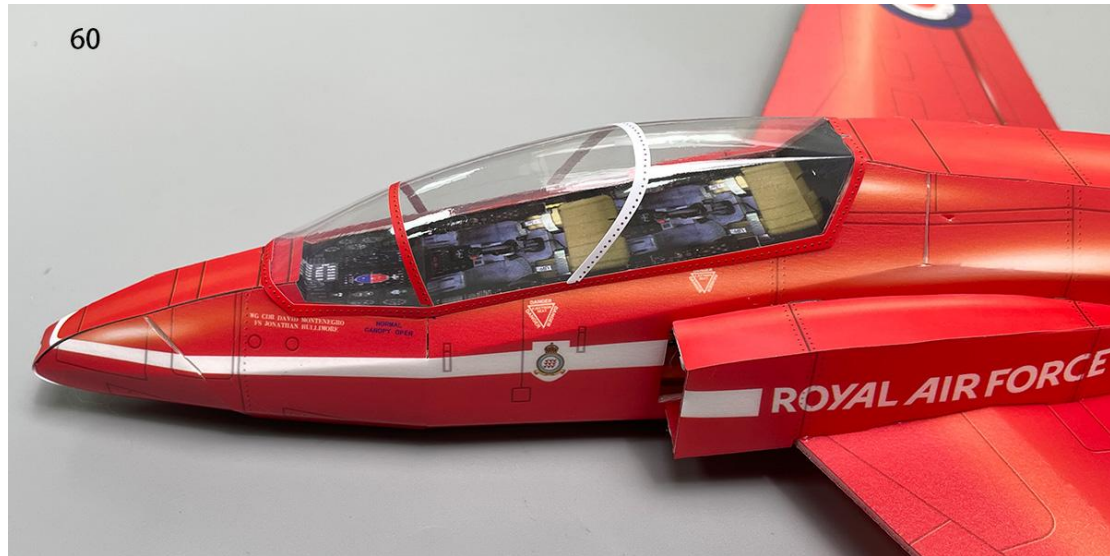
58. Trim to the finished size.



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



60. Apply stickers to the canopy.



61. Install the elevator control horns.



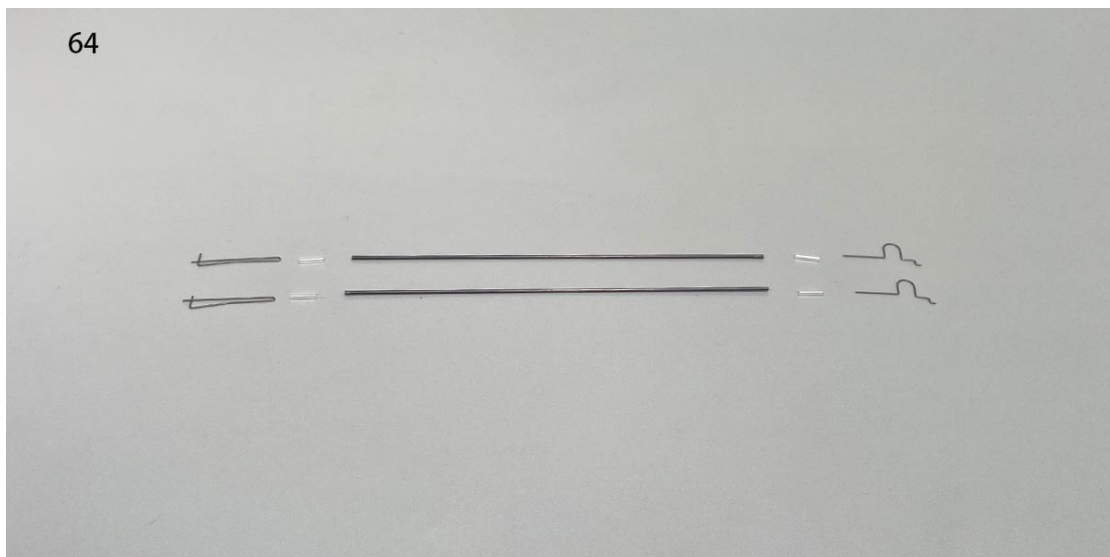
62. Install the aileron control horns.



63. Cut out the bottom PS board to create a hollow.



64. Retrieve two 130mm carbon rods for use as tail control rods. Cut four pieces of heat shrink tubing, each 5mm in length, to connect the tail control rods and the wire clamp heads.

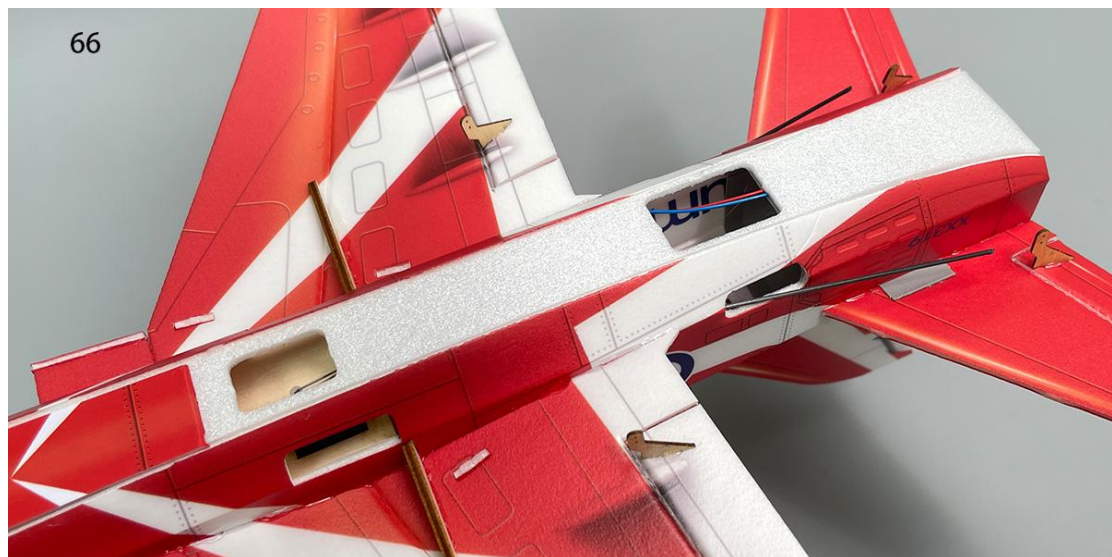




65. Use heat shrink tubing to connect the control rods and servo wire clamp heads, then apply 502 glue for fixation.



66. Insert the tail control rods into the fuselage from the tail end, and connect them to the tail fin servo arm.



67. Detail: Install the rod clamp head onto the tail fin servo arm.



68. Install the connecting hook on the elevator control horn.



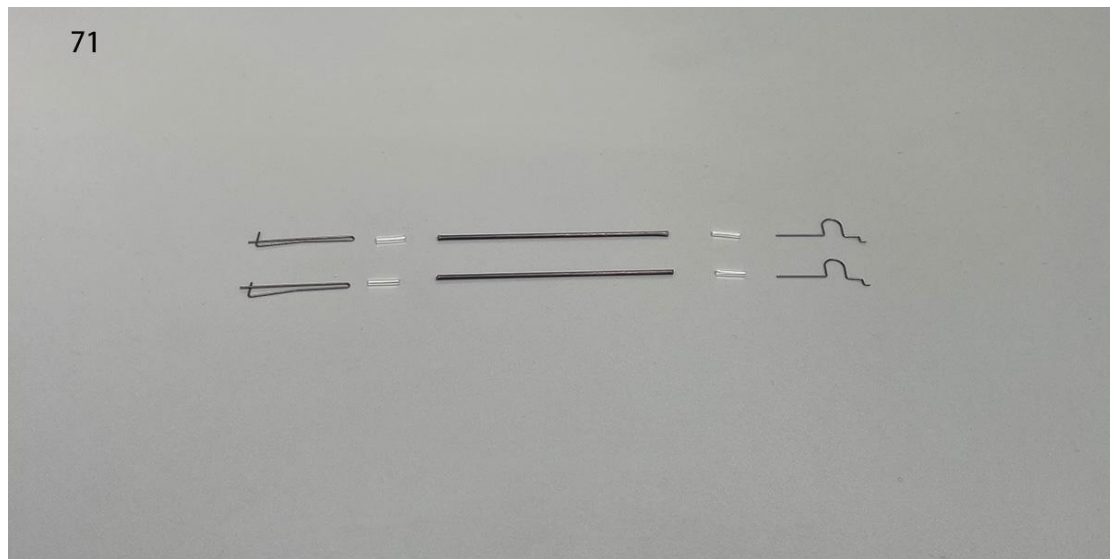
69. Trim the carbon fiber rod to the appropriate length. Use heat shrink tubing to connect the carbon fiber rod to the connection hook, then apply 502 glue for fixation.



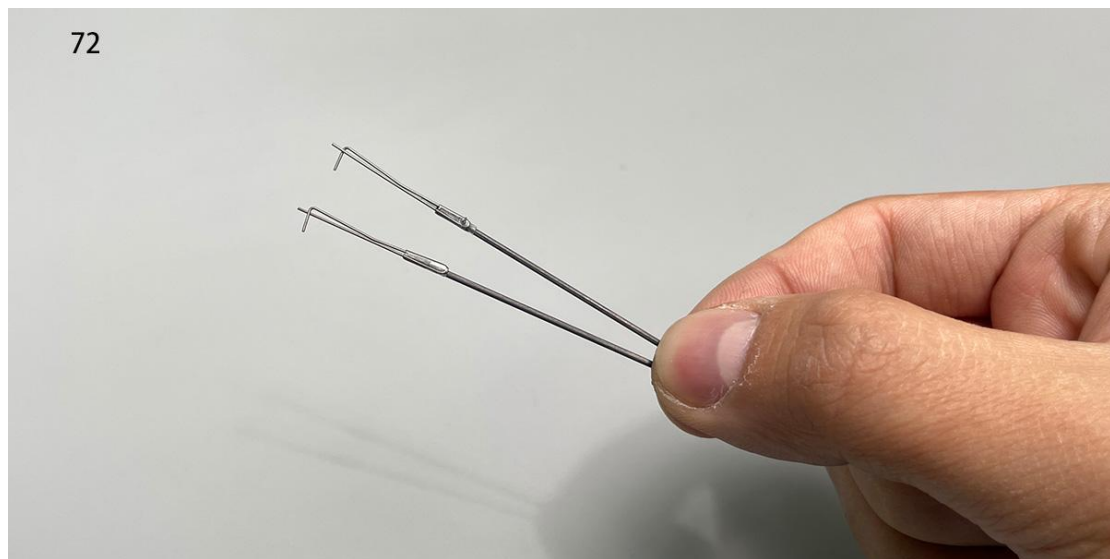
70. Apply the sticker to the bottom of the fuselage.



71. Retrieve two 60mm 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.



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



73. Insert the wire clamp heads into the fuselage, and install them onto the aileron servo arms.



74. Install the connecting hooks on the aileron control horns.



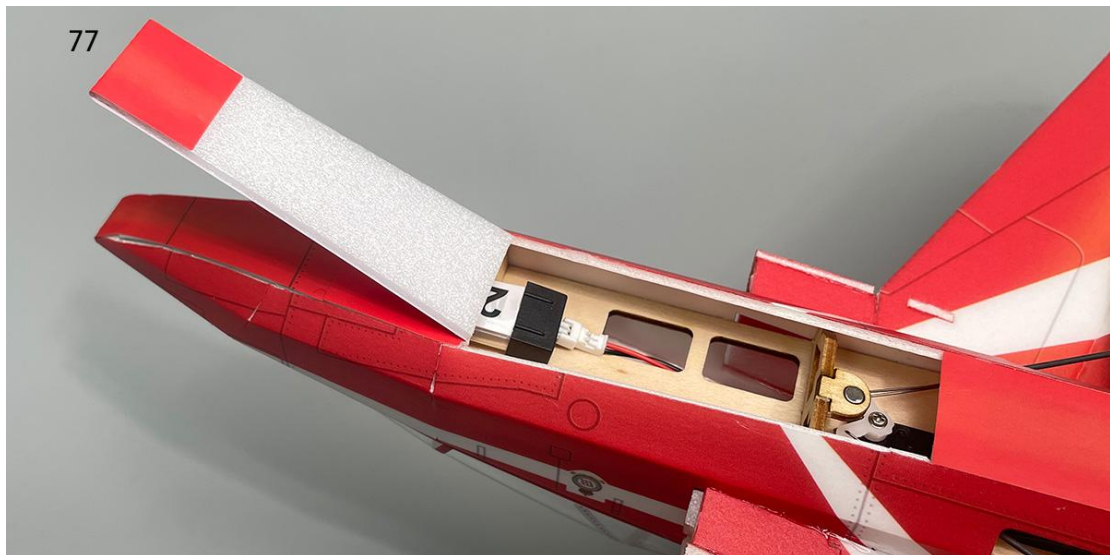
75. Use heat shrink tubing to connect the aileron control rods to the connection hooks, then apply 502 glue for fixation.



76. Paste reinforcing carbon rods and control horns protectors at the bottom of the wing.



77. Place the battery at the front end of the fuselage compartment.



Assembly complete!



## Maiden flight

- The center of gravity of the aircraft is located 5mm in front of the wing scored line.
- The active range of ailerons, elevator and rudder is 4mm on both sides.
- Choose grass land for maiden flight.

**MinimumRC™**

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RC AVIATION*