

Minimum RC™

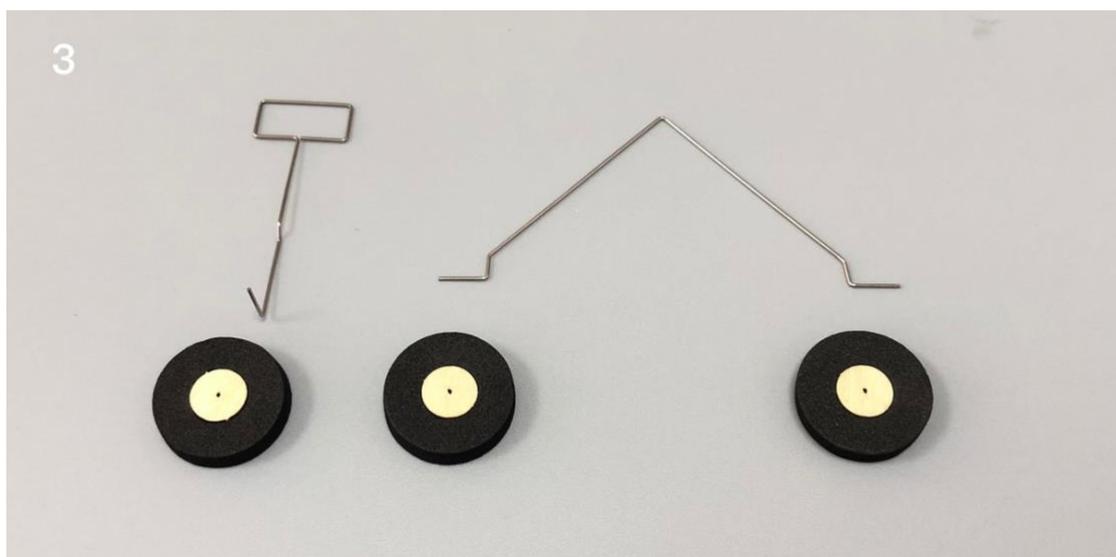
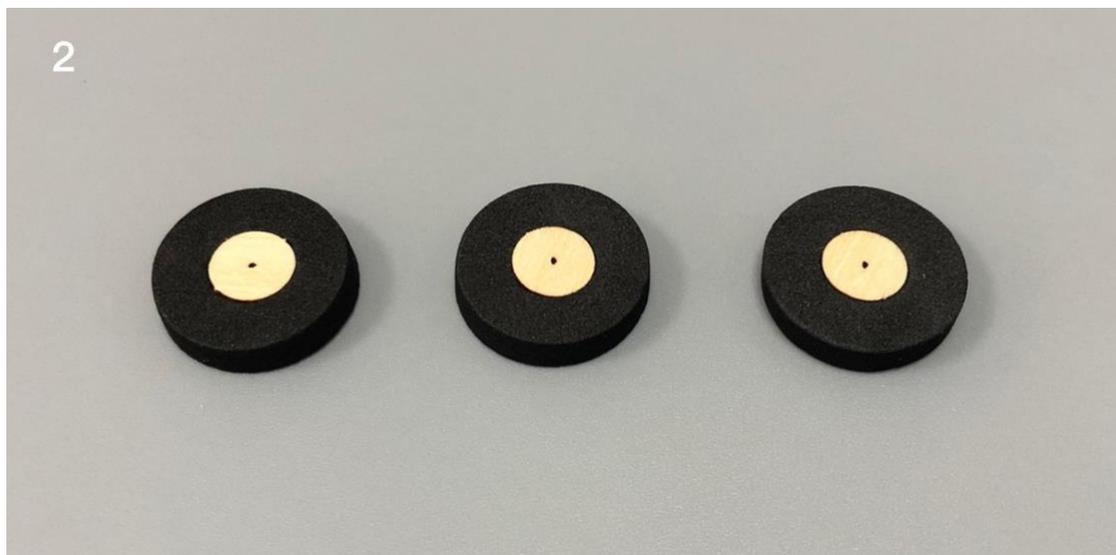
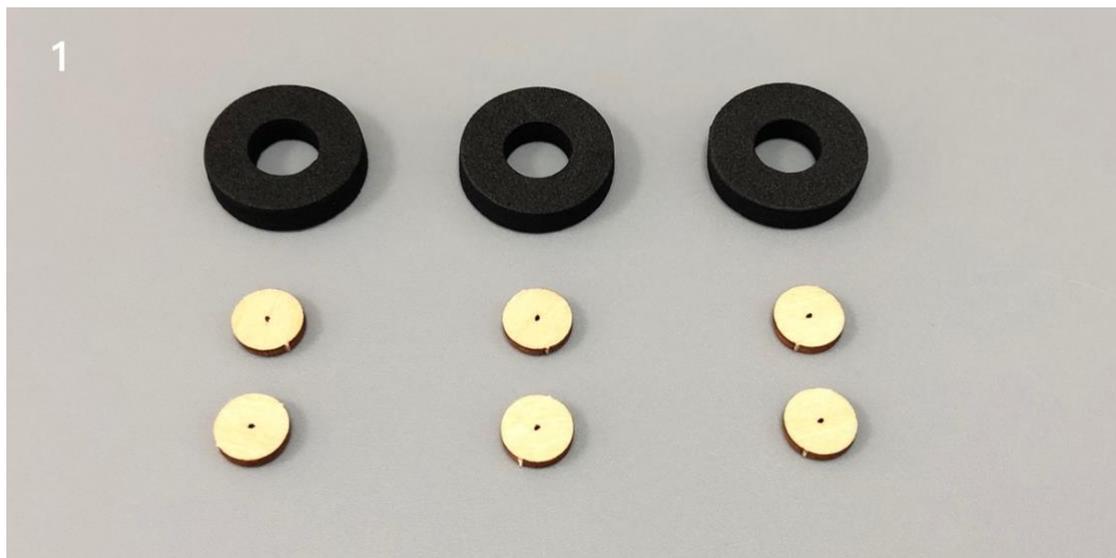
Flycat Assembly Instructions



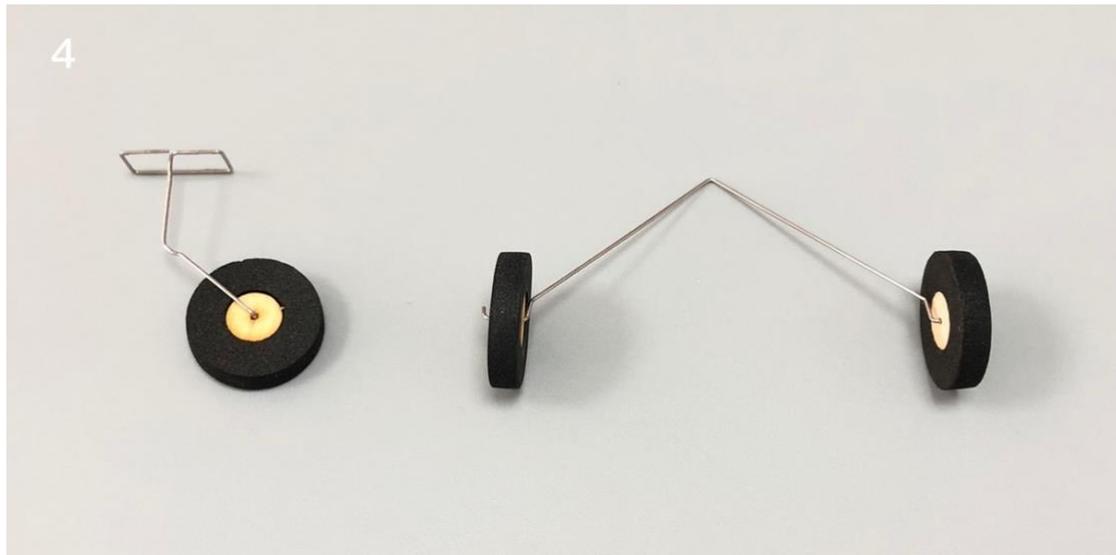
Important notification

- 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.

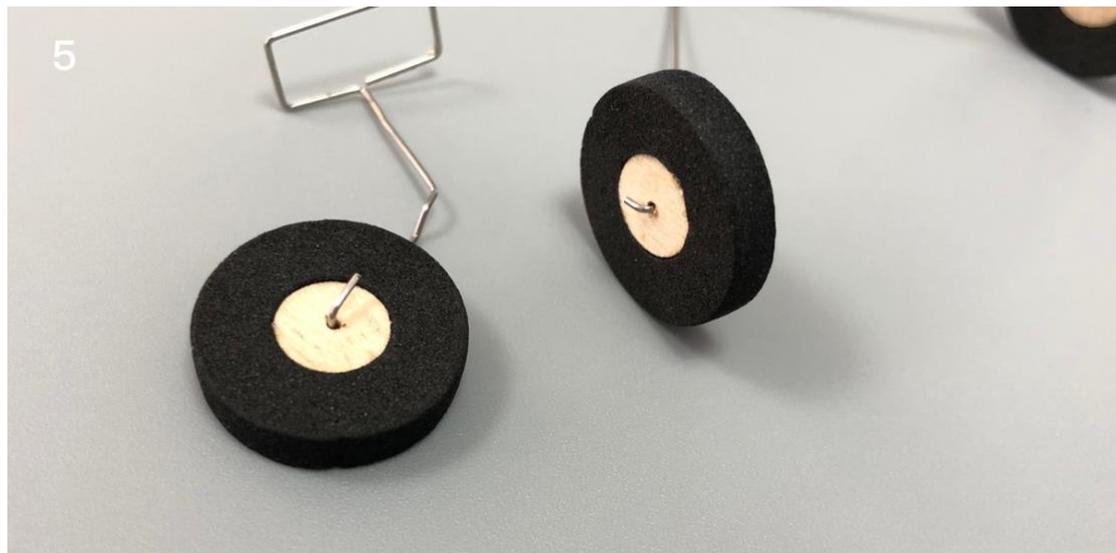
Assemble the wheels. Thread the wood wheel core on the landing gear steel wire, apply glue on its outer edge, and then put it into the tire.



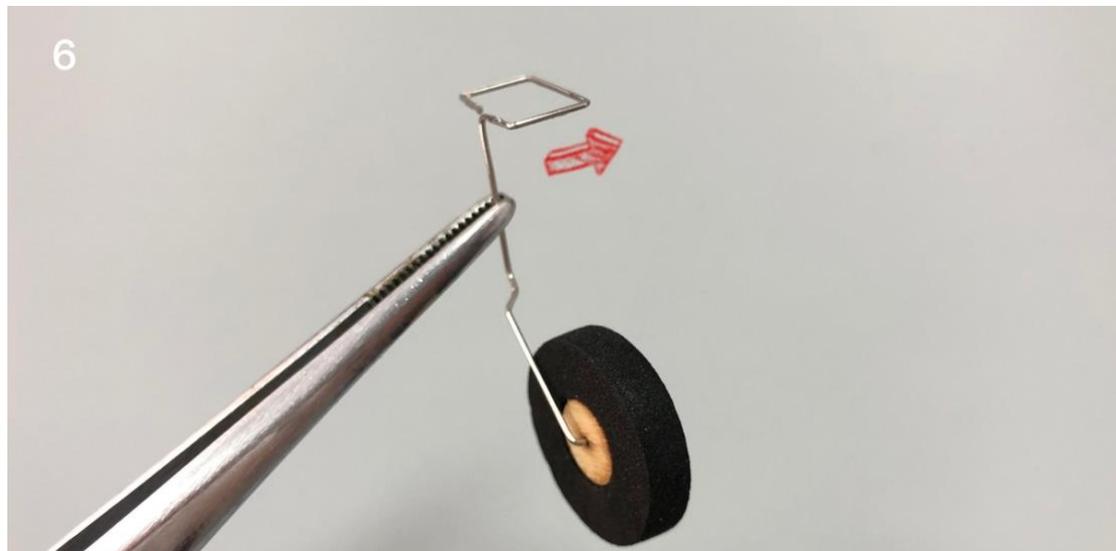
As shown in the figure, bend the center part of the front landing gear backward to realize the shock absorption function.

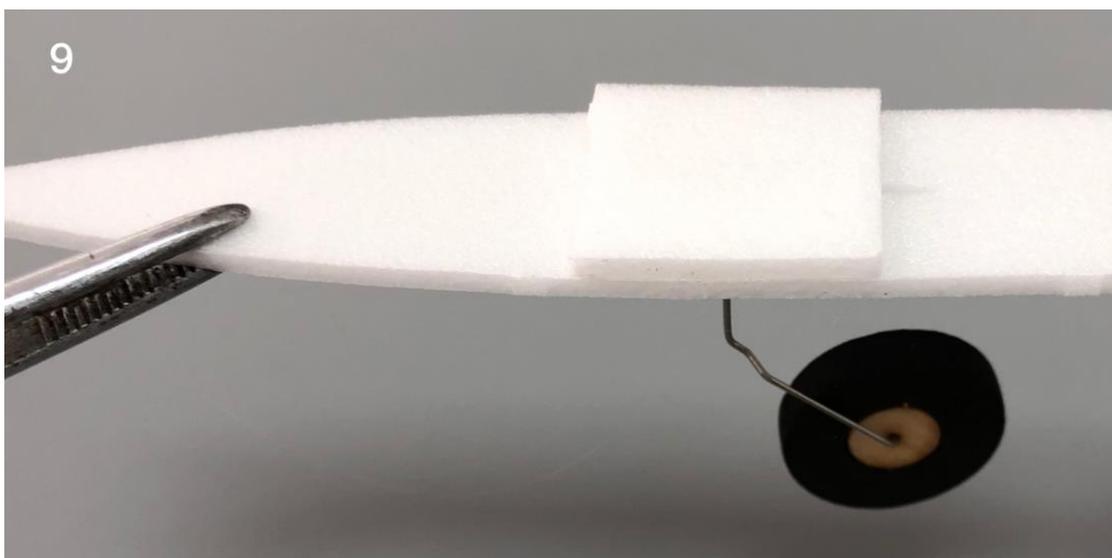
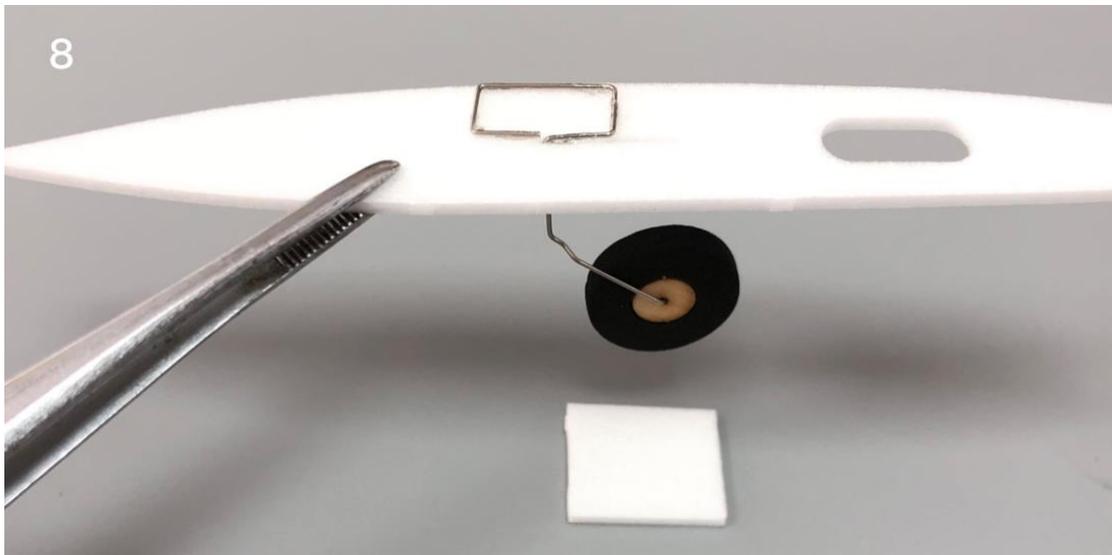
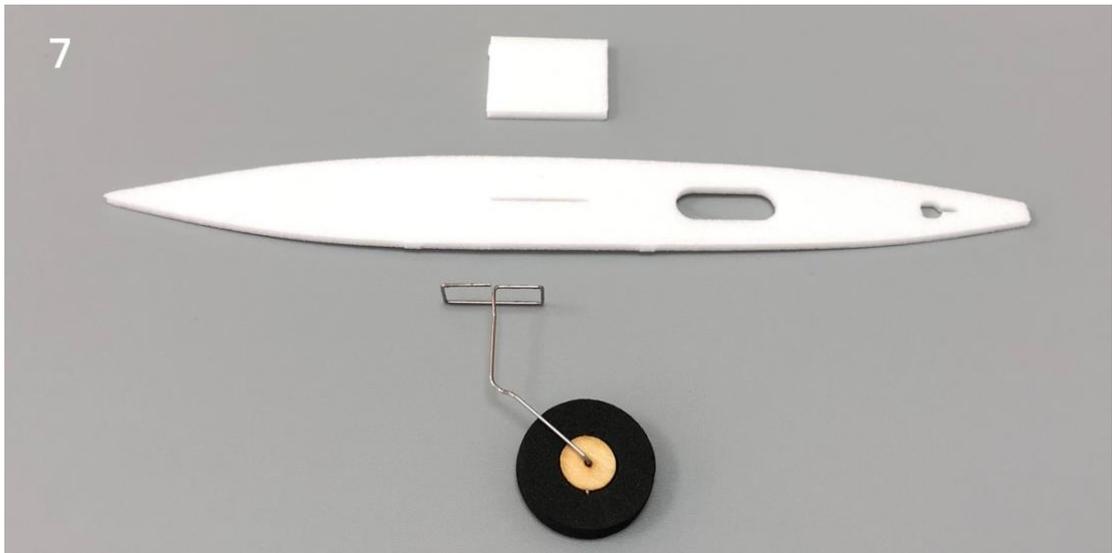


Thread the wheels into the landing gear steel wire, and bend the outer end of the steel wire with pointed nose pliers. Or: put 2mm heat shrinkable pipe into the outer end of steel wire, and fix the pipe with glue to hold the wheels.



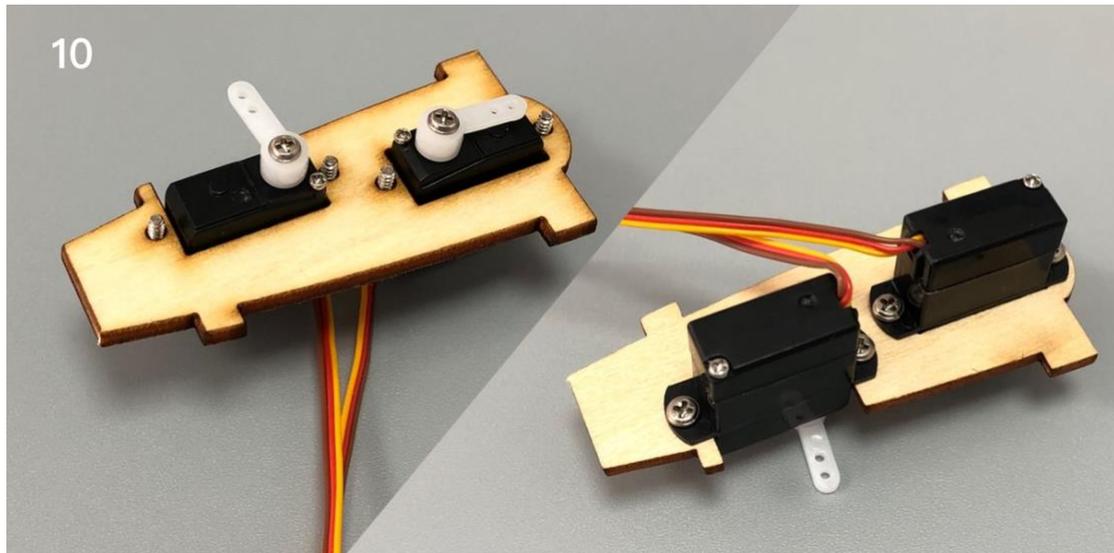
Bend the top fixed seat of nose landing gear 90 degrees to the right.





Connect the servos to a powered receiver. Bind the receiver with your transmitter to make the servos return to their neutral point. Test whether the servos are normal, and install the servo arms according to the position shown in the picture. (use screws to fix the servos on the servo base from below.)

Note: Important step. 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.



Combination of side plate and servo base.

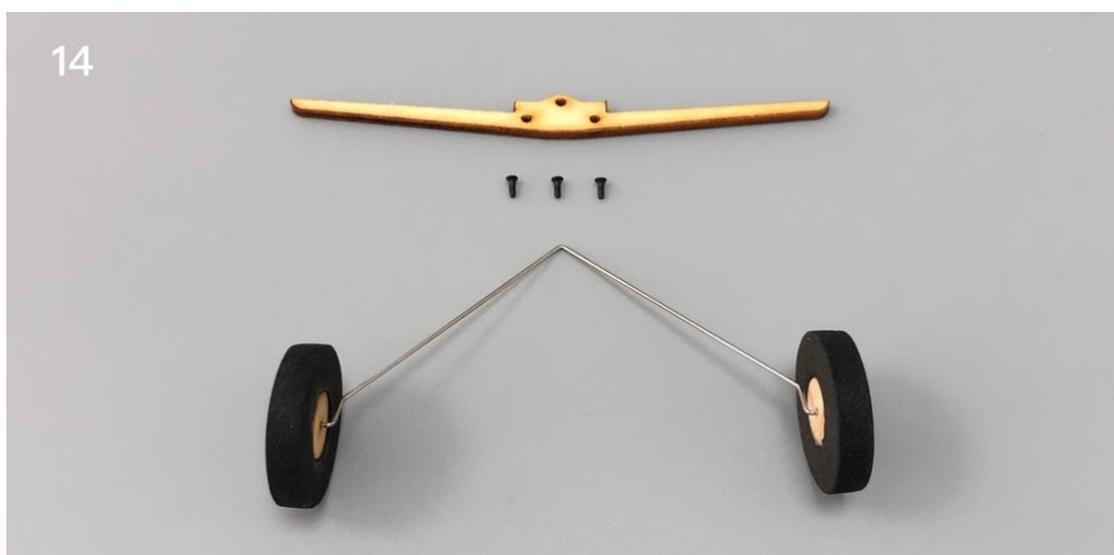
Pay attention to keep both sides symmetrical without distortion. Please wait until the glue is completely cured before the next installation step.



Install the cabin top plate.

Note: as shown in the detail drawing, the top plate slightly protrudes from the edge of both sides of the plate (0.1-0.2mm), which will help to keep the sticker flat in the later stage. Note: apply the glue to the inner wall of the two sides of the plate.

Please wait until the glue is completely cured before the next installation step.



15

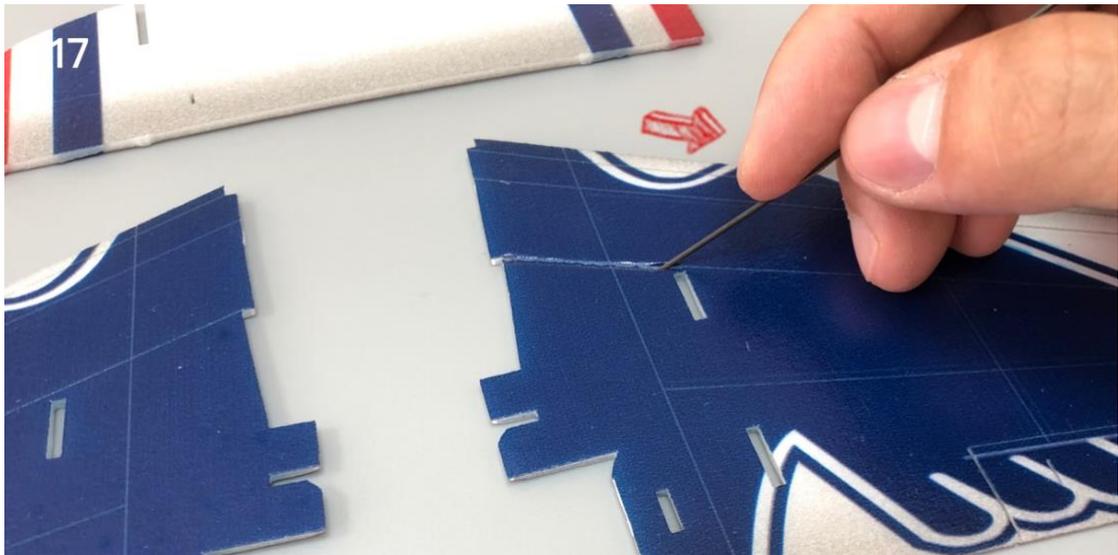


16

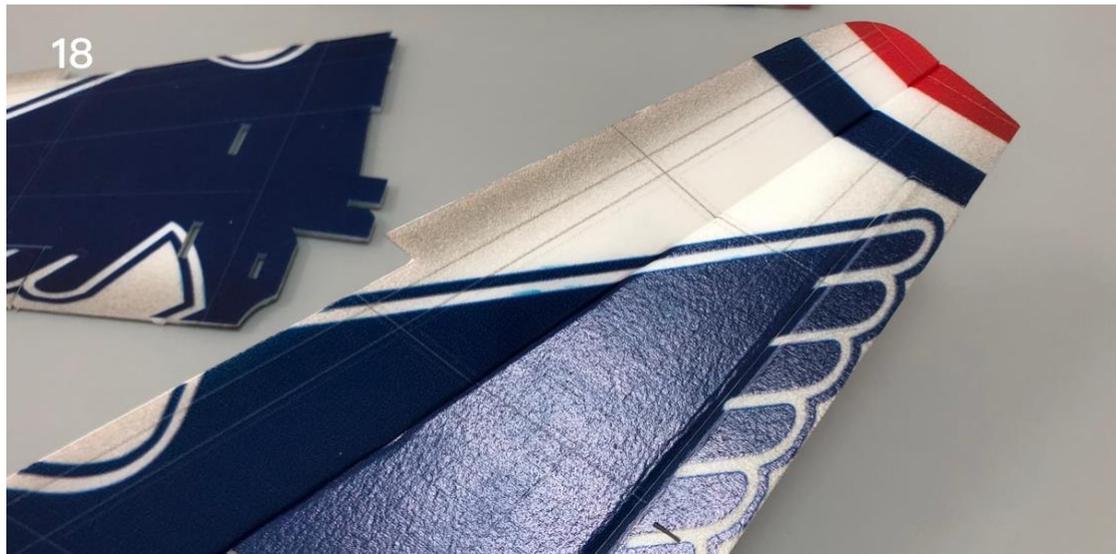


Use the end of a carbon fiber rod to score through the half-cut line of the wing surface. After scored through the half-cut line, ailerons can move in both directions.

17



The wing can be bent down along the center longitudinal scribe.



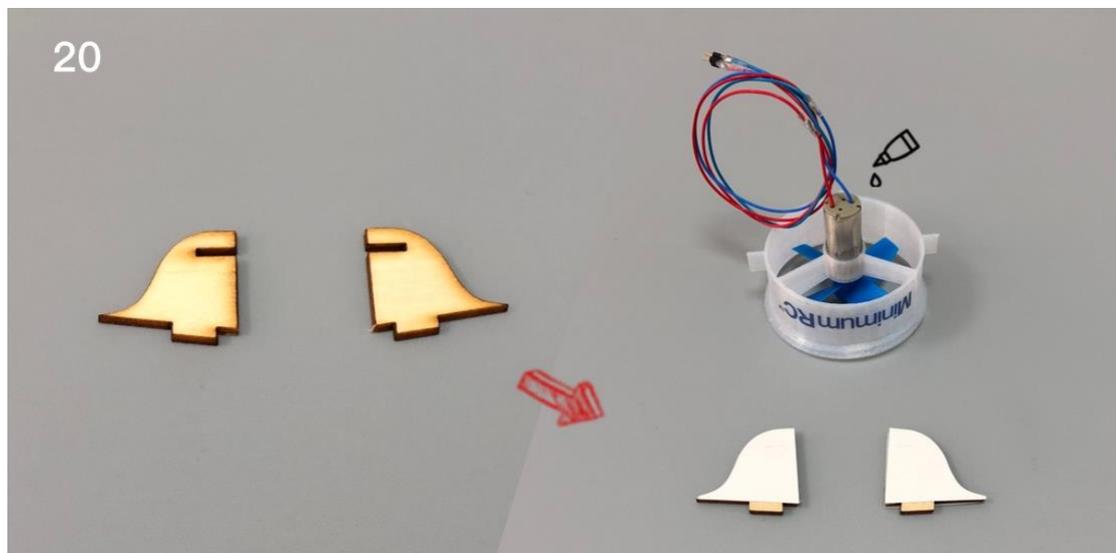
Install the wings symmetrically.

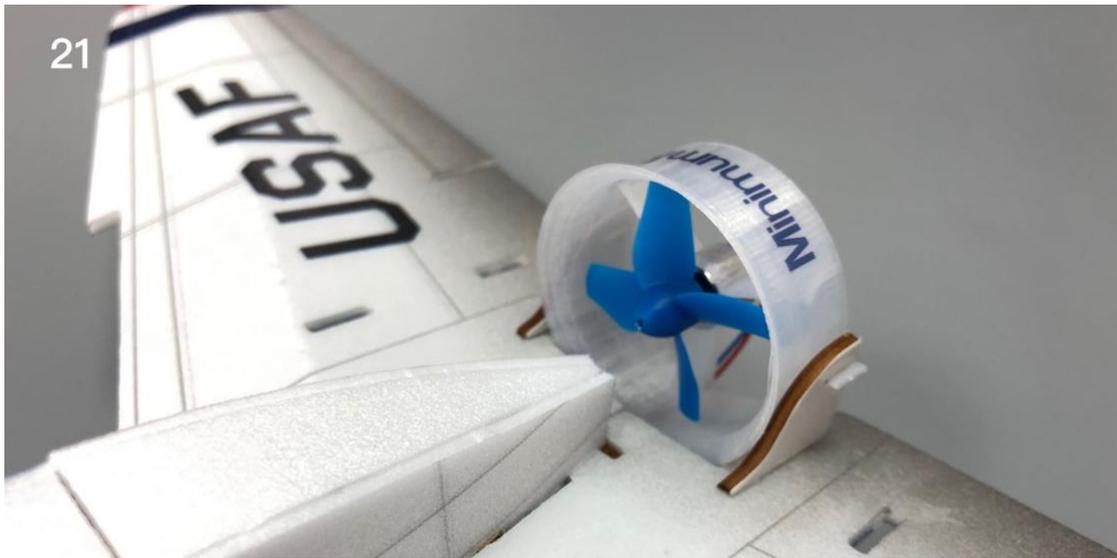
Note: before applying glue, please test fit the wing to ensure it can be installed in place.



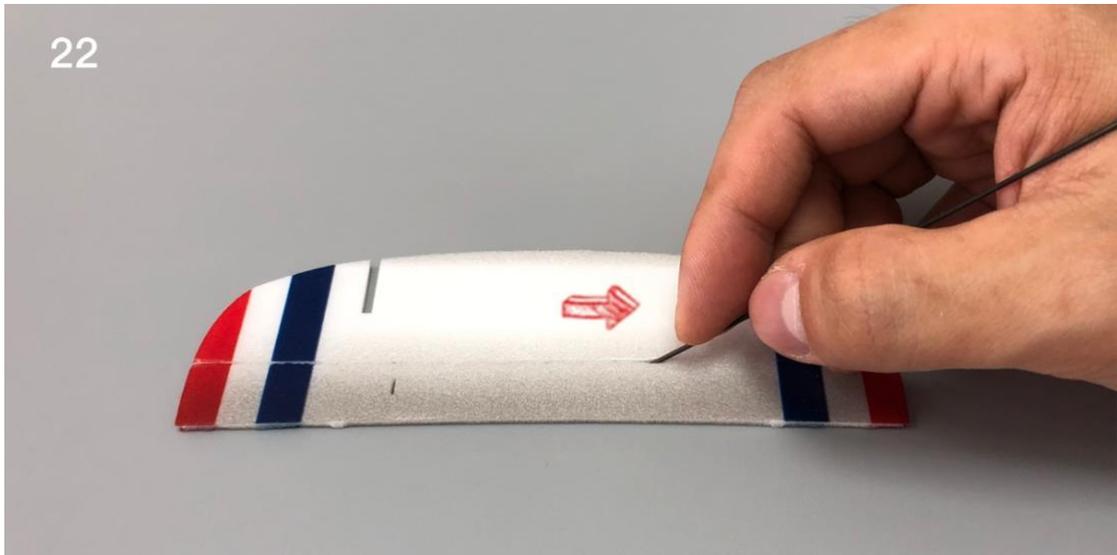
Assemble the tail & EDF system.

Note: EDF motor needs to be fixed with a small amount of 502 glue.





Use the end of a carbon fiber rod to score through the half-cut line of the elevator surface.

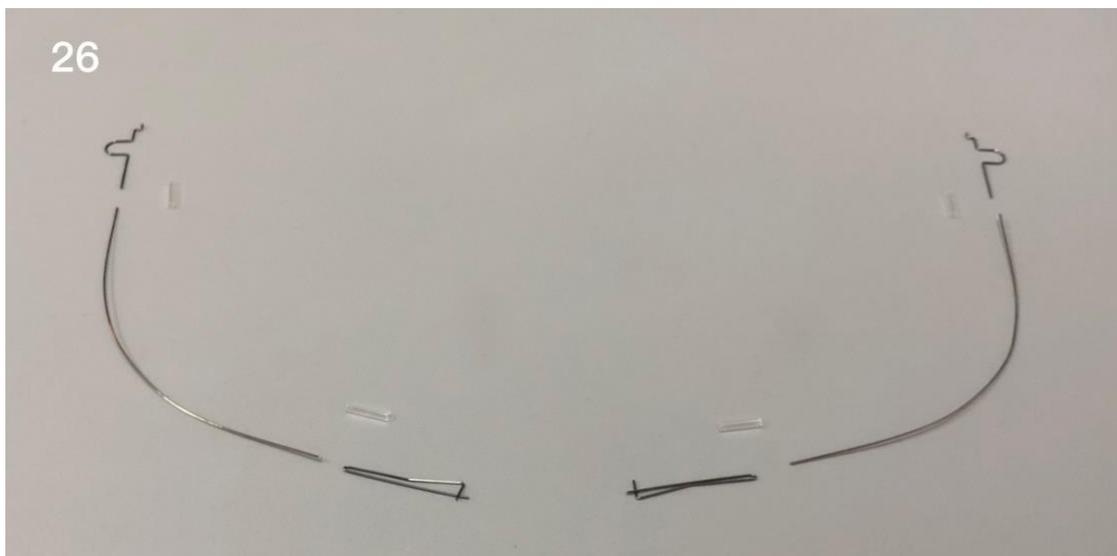




Paste the sticker on the top of the fuselage to form a hinge connection for the hatch cover to be turned over. Glue can be used at the hinge joint to increase strength.



Aileron flexible transmission system: slightly bend the steel wire to reduce the moving resistance.



Install aileron control horn and connect pushrod clip.



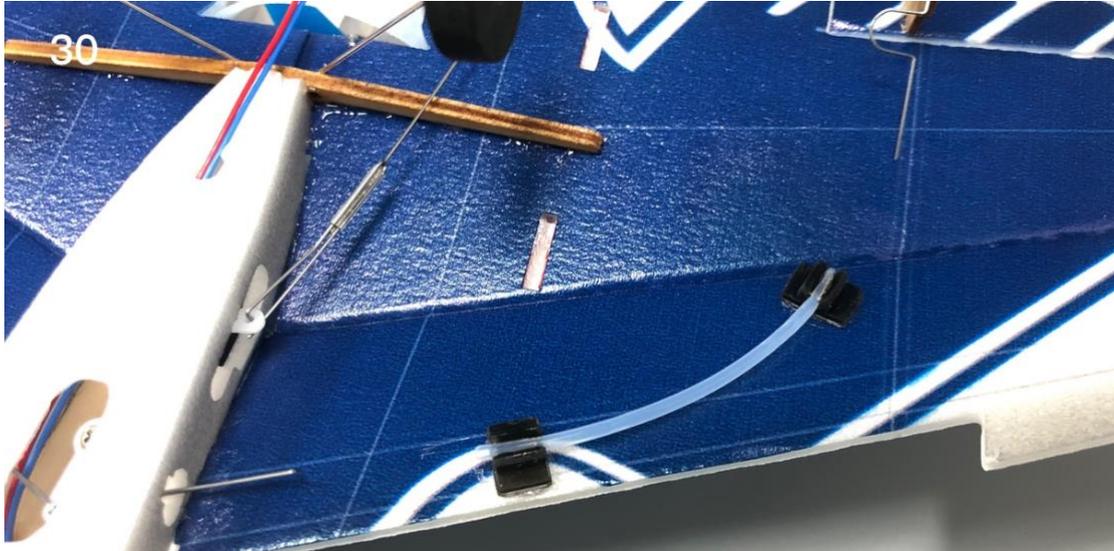
Attach the pushrod clip on the same hole of aileron servo arm.



Fix the aileron duct seat with glue. The distance between the two seats and the fuselage and aileron control horn are 30mm.



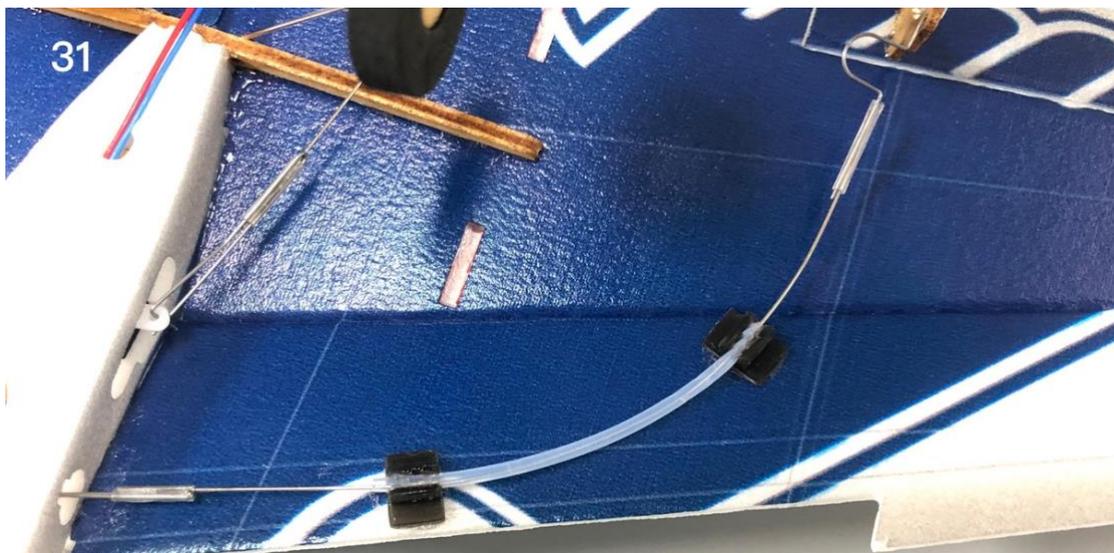
Use 502 glue to fix a 60mm duct on the base, and cut off the excess part.

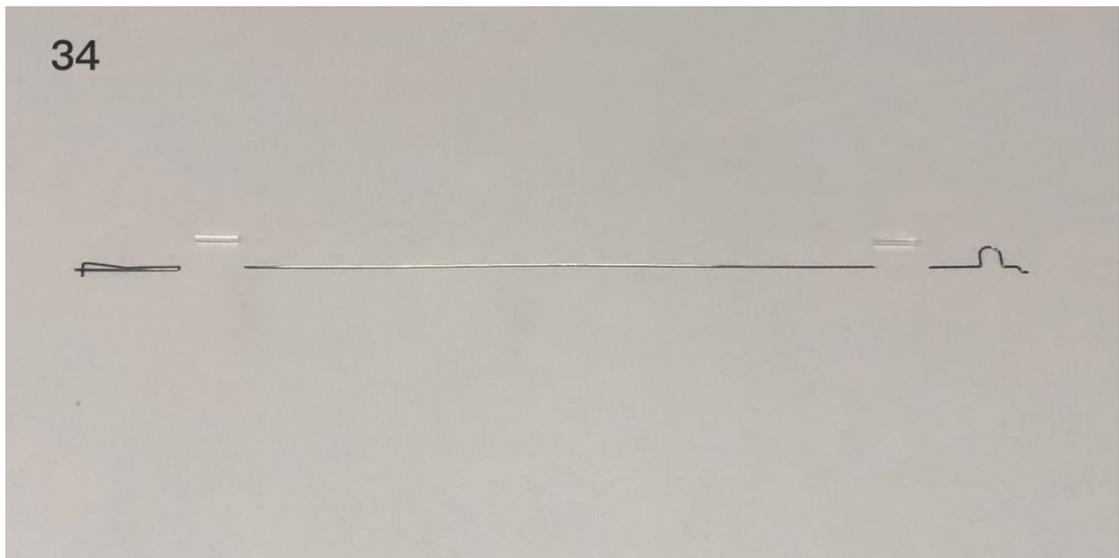
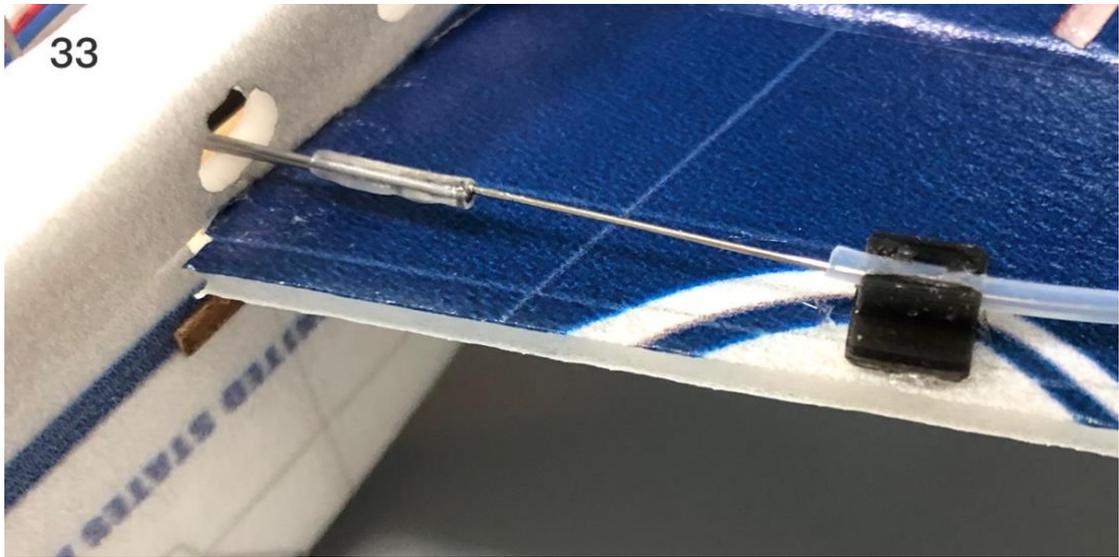


Thread the steel wire into the duct and check for smooth movement.

The aileron servo is powered back to the center, and the aileron surface is adjusted to horizontal. Use heat shrinkable tube to connect both ends of the steel wire to the clip and fix it with 502 glue.

Do not use flame for heat shrinkable operation, otherwise it may damage the foam material.





Install the tail control horn;

Fix the conduit base with UFO glue according to the position shown in the figure. The blue curve in the figure shows the position of the steel wire.



Use 502 glue to fix an 80mm duct on the base.

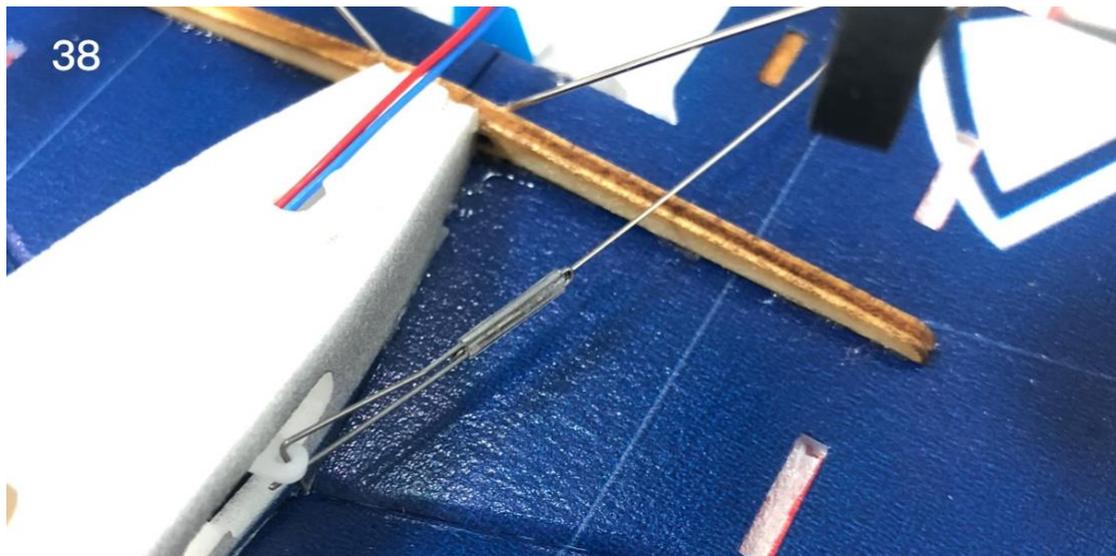


Attach the wire clip to the control horn, and connect it with the steel wire with heat shrinkable



tube.

Attach the wire clip to the tail servo.



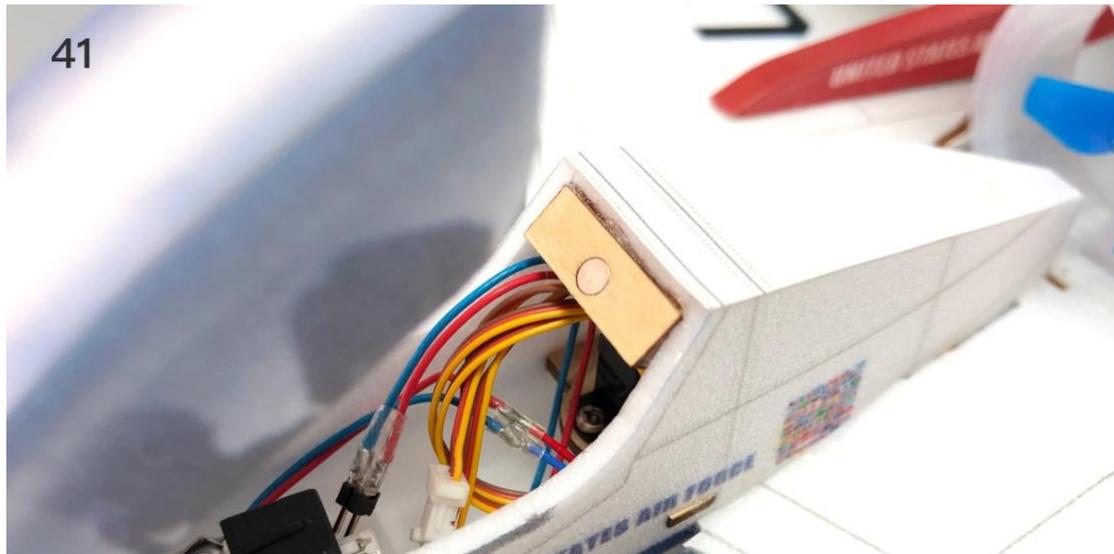
Fix the magnets on the magnet bases with glue.



Install the hatch magnet base.



Install magnet base on the fuselage.



Battery and receiver are fixed in the cabin with Velcro.



Assembly complete!

·The center of gravity is 15 mm behind the inner leading edge of the wing. Move the battery to adjust the center of gravity.

·The range of elevator and aileron movement is 5 mm for each side. Please adjust the rudder surface to complete level before the maiden flight.

Enjoy your flight!

Explore the ultimate possibility of RC aviation

www.MinimumRC.com