

### Assembly Instructions

- Mountain fold  
● Make a mountain fold.
- Valley fold  
● Make a valley fold.
- Cut in line  
● Make a cut.
- Scissors line  
● Cut along the line.

### Tools and Materials

- <Tools>  
Scissors, set square, a used pen, tweezers (useful for handling small parts), ruler.  
A glue stick, or non-soluble adhesive. (We do not recommend water-soluble woodworking glue as this can warp the shape of the paper.)

### Assembly Tip

- Before applying glue, fold and make creases along all the mountain and valley fold lines. Trace along the folds with a used pen (no-ink) to get a sharper, easier fold.

### Caution

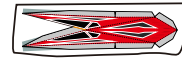


This craft requires the use of glue, scissors, tweezers, and other tools which may be dangerous to young children. Please keep them out of reach of children while you work. Non-soluble adhesive or clear lacquer should not be used by children. Also, keep these substances away from open flames and work in a well-ventilated area.

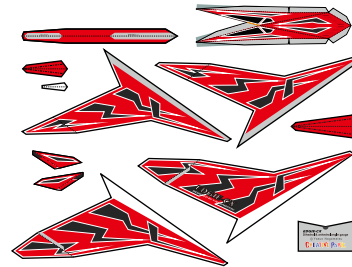
### Handy Hints

- 1 <Useful Items>
  - Cotton tips or tissues: Handy for wiping up excessive glue that oozes out from between parts.
  - Two flat boards, or two heavy books: Useful for making the parts flat after attaching the wings.
- 2 The plane will not fly if the paper is wrinkled. Be careful not to fold the paper except along the fold lines. Keep the paper flat when working.
- 3 Painting the plane with clear lacquer (oil-based) will make it stronger, less susceptible to humidity and its shape less likely to warp.

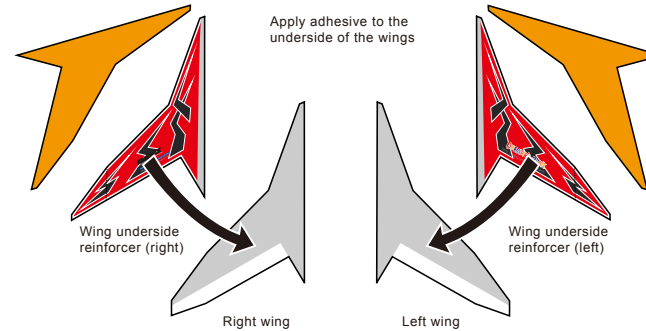
- 1 Fold and make creases along the mountain and valley fold lines, and carefully cut out all the parts with scissors.



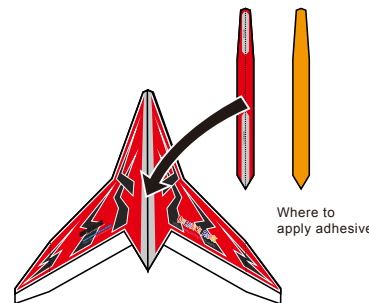
The parts will be easier to cut out if you cut around them roughly and then cut along the lines.



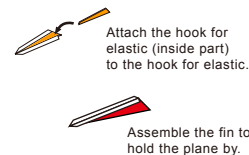
- 2 Use adhesive to attach the wing underside reinforcers to the left and right wings.



- 3 Attach the wing lower joint.



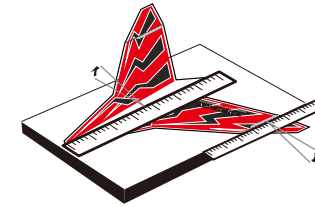
- 5 Assemble the hook for the elastic and the fin.



- 4 After attaching the wings, put them between two boards or books and leave them to dry for 2 to 24 hours. If using books, put them between sheets of blank paper first to prevent the ink or glue from running.



- 6 Hold a ruler against the wing and put pressure along the crease, to create the dihedral and anhedral angles.

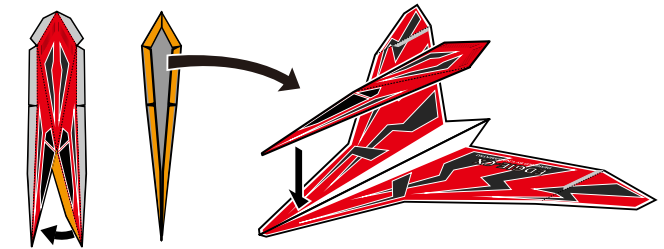


(Dihedral and anhedral angles viewed from the front)

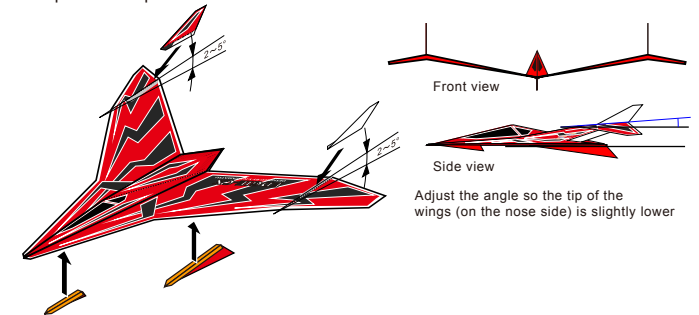


Adjust the dihedral and anhedral angles according to the gauges.

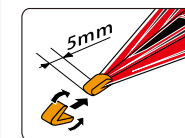
- 7 Assemble the canopy, and attach to the wings.



- 8 Attach the vertical fin, hook for elastic, and fin to hold the plane by to the positions specified.



- 9 For safety purposes, cut a 6 x 22mm piece of material such as a sponge or piece of felt, about 2mm thick, and attach it so that it sticks about 5mm in front of the tip of the nose.



Complete



The plane can still cause accidents even with the sponge and felt attached. Be sure to carefully read the Flying Safety Precautions before flying your plane.