

Assembly Instructions

- Mountain fold
● Make a mountain fold.
- Valley fold
● Make a valley fold.
- 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

- <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.
● Sandpaper (#400 ~ #600): Useful for making the parts in step 6 flat.
- 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.
- 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 Attach the body together in order.

Where to apply adhesive

Cut out the part for the thick paper

Fold up the wing stand. Do not apply glue here.

3 Attach the canard wing reinforcer to the canard wing, and the wing reinforcer to the wings.

Apply glue to the underside of the reinforcing materials

4 After attaching the body and 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.

5 Hold a ruler against the canard wing and wings and put pressure along the creases, to create the dihedral angle.

(Dihedral angles viewed from the front)

Canard wing

Wings

Adjust the dihedral angle according to the gauge.

6 Attach the wings, canard wing and tailplane.

Sandpaper

If you use sandpaper to flatten out the wing stand parts for the canard wing and wings, the wings will be easier to attach straight.

7 Attach the vertical fin.

View from above

Front view

8 For safety purposes, cut a 4 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.

5mm

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.