

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 Sharpe, easier fold.

Caution

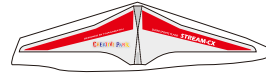


This craft requires the use of glue, scissors, tweezers, and other tools which may be dangerous to young children. Please keep them out of reach of children while you work. Non-soluble adhesive or clear lacquer should not be used by children. Also, keep these substances away from open flames and work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

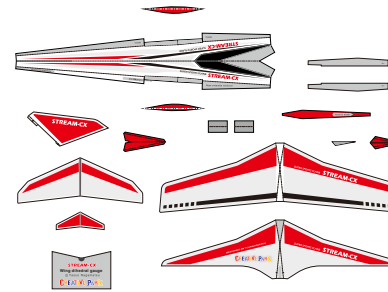
Handy Hints

- 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.

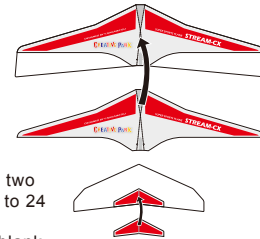
- 1 Fold and make creases along the mountain and valley fold lines, and carefully cut out all the parts with scissors.



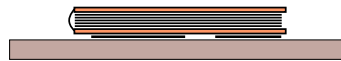
The parts will be easier to cut out if you cut around them roughly and then cut along the lines.



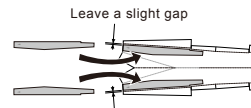
- 2 Attach the wing reinforcer and horizontal stabilizer reinforcer to the back side of the wings and horizontal stabilizer.



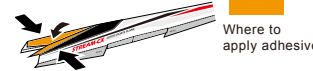
- 3 After attaching the wings, put them between two boards or books and leave them to dry for 2 to 24 hours. If using books, put them between sheets of blank paper first to prevent the ink or glue from running.



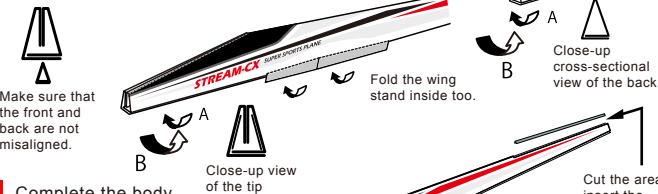
- 4 Attach the nose internal reinforcer to the inside of the body.



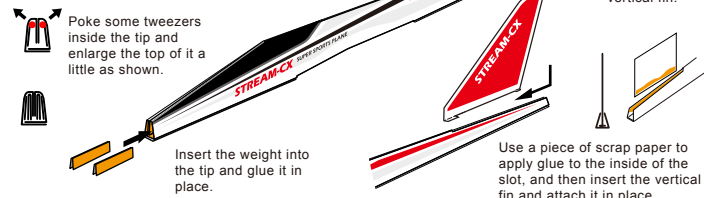
- 5 Fold the tips of the body inside and glue them down.



- 6 Fold the inside part A at the bottom of the body inside, fold the opposite side B on top of A, and attach.



- 7 Complete the body.



- 8 Fold along the creases and create the dihedral angle on the wings.



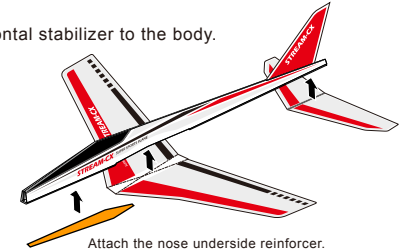
Use the gauge to adjust the angle



- 9 Attach the wings and horizontal stabilizer to the body.



Check that the parts are not misaligned.



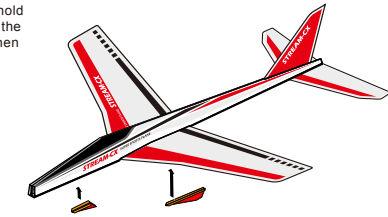
Attach the nose underside reinforcer.

- 10 Attach the hook for the elastic and the fin.

For the hook for the elastic, and the fin to hold the plane by, it will be easier if you cut out the glue tabs a little larger than needed, and then cut away the excess.

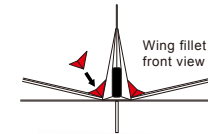
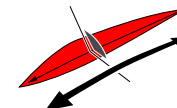


Put the elastic hook internal part inside and attach.



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

- 11 Make a gentle valley fold on the wing fillet, use your finger to curve it and align it with the wing joint. Apply a generous amount of adhesive and attach as shown.



- 12 For safety purposes, cut a piece of material such as a sponge or piece of felt, about 3mm thick, and attach it in line with the nose's shape as shown.



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.