

# PAPER CRAFT



## Assembly Instructions

### Tools

Scissors, glue, ruler, tweezers, pencil



**[Caution]** Glue, scissors and other tools may be dangerous to young children so be sure to keep them out of the reach of young children.



**Mountain fold (dotted line)**  
Make a mountain fold.



**Valley fold (dashed and dotted line)**  
Make a valley fold.



**Cut line (solid line)**  
Cut along the line.



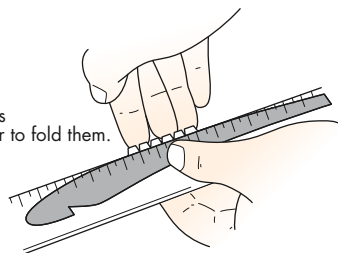
**Cut in line (solid line)**  
Cut along the line.

## Points to note when making the glider

1. Try to avoid bending the parts when you cut them out.

2.

Align the parts against a ruler to fold them.

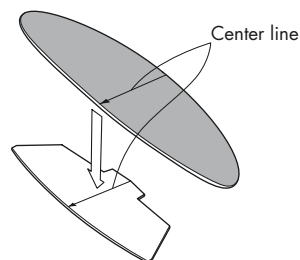


If any of the cut out parts are bent, this will seriously affect the glider's performance. Therefore, be sure to keep all parts perfectly flat till you join them up. For the wings, stabilizer and other parts, use a ruler to give you a proper straight edge to make your folds.

3. When assembling the parts, follow the assembly instructions and use the parts in the order given.

4. When sticking surfaces together, spread the glue evenly and stick the parts together quickly and line up the edges cleanly. While the glue is drying, put the fuselage inside a sheet of paper and then press it down with a book or similar in order to get a nice, straight finish.

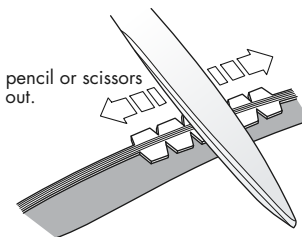
5.



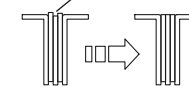
When sticking the right and left wings together, make sure that the center line is not off center.

6.

Rub with pencil or scissors to flatten out.



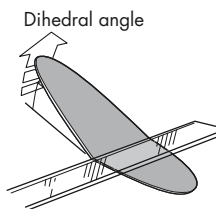
Flatten the uneven surface.



Cross section of the fuselage

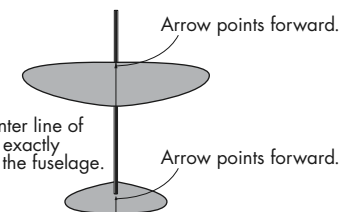
To glue the wings flush onto the fuselage, use a pencil or scissors to flatten out the part where the wings attach to the fuselage.

7.



To give the wings an angle, bend along a straight ruler. (Refer to the assembly instructions for details on what degree of angle to use.)

8.



Make sure that the center line of the wings matches up exactly with the center line of the fuselage.

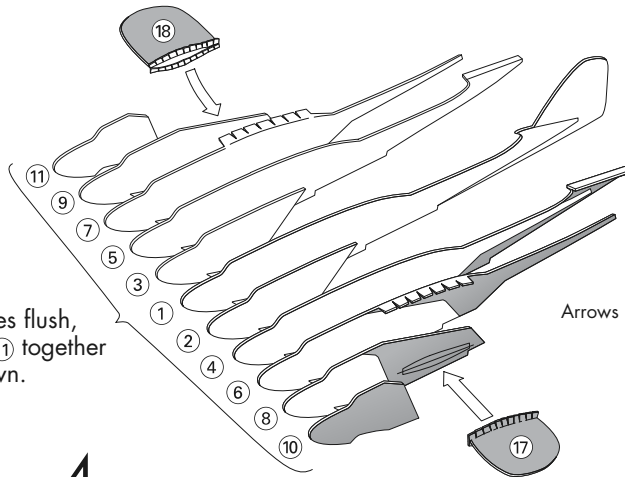
Also attach the horizontal stabilizer firmly.

Attach the wings and horizontal stabilizer carefully so that their center lines match up exactly with the center line of the fuselage.

## GLUING INSTRUCTIONS

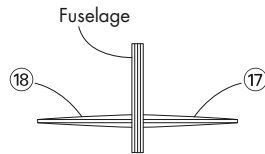
Glue the parts together in the order indicated.

1. Fold all tabs outward.



2. Aligning the noses flush, glue ① through ⑪ together in the order shown.

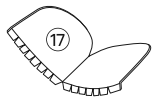
4. Glue the sponson ⑰ to the printed box on the left side of the fuselage. Glue the sponson ⑱ to the printed box on the right side of the fuselage.



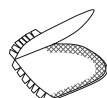
5. View the fuselage from the front. Before the glue dries thoroughly, fix the sponsons ⑰ and ⑱ to ensure that they are glued horizontally.

3. Assemble the sponson. (Sponson: a projection on the side of the fuselage.)

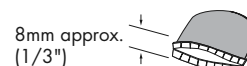
- 3-1 Fold all tabs on ⑰.



- 3-2 Swell the inside of the two folds of ⑰. Then spread glue on the shaded portion as shown in the figure and glue the part together to complete its bag shape.

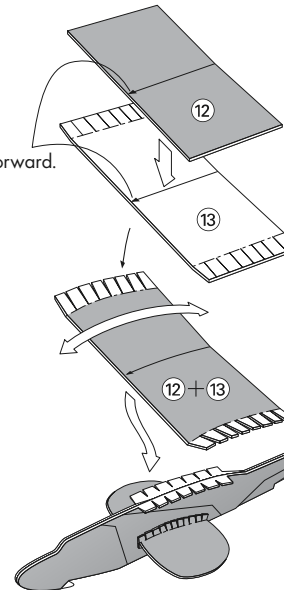


- 3-3 Insert a pencil into the sponson and swell it again to make it into a streamline shape.



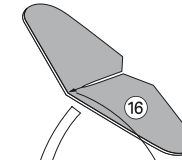
- 3-4 Assemble part ⑱ in the same manner.

6. Glue ⑫ to the upsides of ⑬ aligning the dashed line on both edges of ⑬. When dry, cut off the protruding portions.



8. Placing a ruler along the dashed line on both edges of the main wing (⑫ + ⑬), bend the strips upward to make a dihedral angle of 10°.

7. Glue the horizontal stabilizer ⑯ to the fuselage.



9. Camber the main wing (⑫ + ⑬) after the curve of its gluing position on the fuselage.

10. Glue the main wing firmly to the fuselage.

12.

Camber both wing tips ⑭ and ⑮ equally to the main wing.

Camber the wing tips carefully.

Dot towards the front.

11.

According to the curve of the gluing position for the main wing on the fuselage, camber the main wing (⑫+⑬) evenly up to both edges. Make sure that the dihedral angle for the folded tabs are 10°.

Camber the wing carefully.

10°

10°

14.

Fold the tabs on ⑰ through ⑳.

15.

Glue together ⑰ and ⑱, ⑲ and ⑳, ㉑ and ㉒, ㉓ and ㉔, ㉕ and ㉖ to make four engines.

16.

Using the engine installation lines and cuts on the main wing as a guide, glue the four engines to the main wing.

13.

Apply glue to the top surface of the folded tabs of the main wing and attach wing tips ⑭ and ⑮ respectively. Before it dries, adjust the dihedral angles of ⑭ and ⑮ to 10°. (Use the dihedral angle gauge.)

Dot towards the front.

Camber the wing tips carefully.

### FINISHING TOUCHES

Give the finishing touches to the plane after it dries thoroughly.

17.

Adjust the camber of both the main wing and the wing tips carefully with your fingers.

18.

Using the dihedral angle gauge, make sure the dihedral angle for the main wing is 10°.

19.

View the plane from both the front and the back and straighten any warps or bends in the fuselage and the wings.