

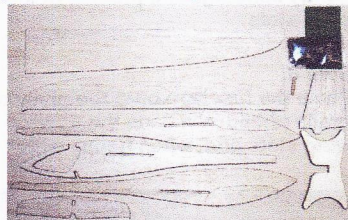
# HPH 304 SHARK



## Assembly instructions for the model sailplane HPH 304 SHARK

This model kit is intended for beginners with little or no experience of building model aircraft.

The kit contains all of the parts required to complete the model, except glue. Components have been laser cut for ease of assembly. For best results we recommend UHU Hart or Cyanoacrylate (CA) thin glue. Take care when using glue and always follow the manufacturer's instructions and safety procedures. Cover worksurfaces before glueing.



### Step 1.

Carefully bond the three fuselage elements together ensuring accurate alignment.



### Step 2.

Once the glue has fully dried, carefully sand the outer edges of the fuselage to a rounded profile. Avoid sanding the vertical fin location slot.



### Step 3.

If necessary, lightly sand the vertical fin to ensure a sliding fit into the location slot.



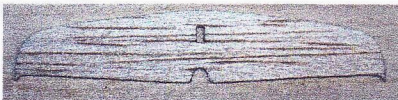
### Step 4.

Glue the vertical fin into position as illustrated.



### Step 5.

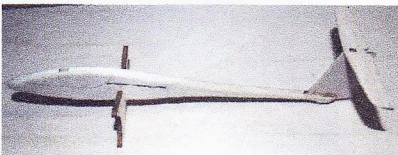
Lightly sand the edges of the tailplane to a rounded profile prior to assembly.

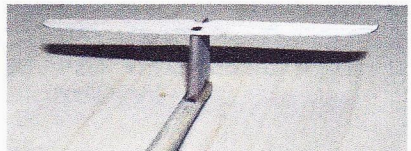
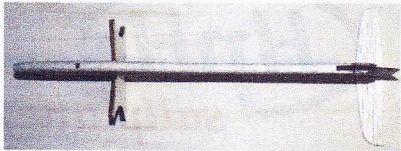


### Step 6.

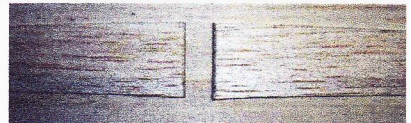
Place the fuselage onto the plywood stand as shown and test fit the tailplane to the vertical fin. When happy with the fit, apply glue to the top of the vertical fin, fit the tailplane and invert the whole assembly onto a flat surface. This will ensure perfect alignment with the fuselage.

Note: Always cover your worksurface with plastic film or similar prior to glueing. If using CA glue, apply the glue to the assembled parts once inverted.

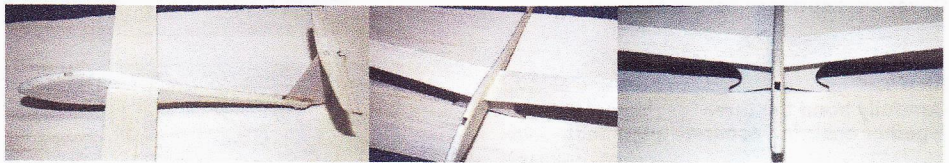




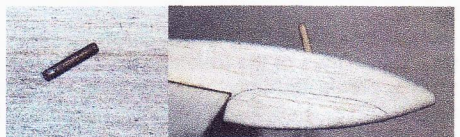
**Step 7.**  
Chamfer the wing root ends (large ends) by lightly sanding for a precise fit into fuselage wing slots.



**Step 8.**  
Place the fuselage onto the plywood stand as shown below and use the stand as a dihedral brace (dihedral means the upward angle of the wings). Insert the wing roots into the fuselage wing slots and, when happy with the fit and alignment, glue in place.



**Step 9.**  
Insert the wooden dowel into the hole in the underside of the fuselage and glue in place. This dowel is used when catapult launching your glider. If necessary, cut the dowel to length



**Step 10.**  
Balancing the finished glider:  
Cut the corner off the plastic bag containing the balancing weights. Carefully pour about half of the contents into the hole in the top of the fuselage. Temporarily plug the hole using the small piece of rectangular balsa. Test fly the glider by hand launching into wind and adjust the amount of weight to obtain the best flight performance.



**Step 11.**  
Apply decals to model as desired. Enjoy flying your completed model sailplane.



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