



## BK117/EC145 Fuselage kit for 600 size helicopter



### **Please note**

Many modelers have their own tricks and preferences when assembling items like these fuselages. We show here the methods used by one of our customers.

Great care must be taken on the first flight after fitting a new fuselage to your helicopter, the trim and flight characteristics will change.

### **Please read the instructions thoroughly before commencing with your assembly.**

Other items that we recommend you have available include:

Fine point marking pen, nail scissors, 400-600 grade sandpaper, thick and thin superglue, wood adhesive, sellotape, Neodyme magnets, surgical clamps, clothes pegs, mini drill, various drills, fine tooth saw, file, measuring tape or ruler, white spirit for degreasing, undercoat spray for plastics, filler, laquer spray for finishing.

Most motor spare shops have a range of suitable sprays, including the undercoat, it is preferable to use sprays the DO NOT contain solvents, they take a long time to dry, when spraying the ideal conditions are a room temperature of 25 degrees, and the spray can should be at the same temperature. The fuselage should be suspended horizontally to help avoid "runs" in the paint, and spraying should be done in thin coats for the same reason.

**Please be sure to follow any manufacturer safety recommendations about use in confined spaces and inhalation of fumes etc..**

The kit is supplied in various parts, these are listed and numbered for future reference if replacement parts are required in the future.

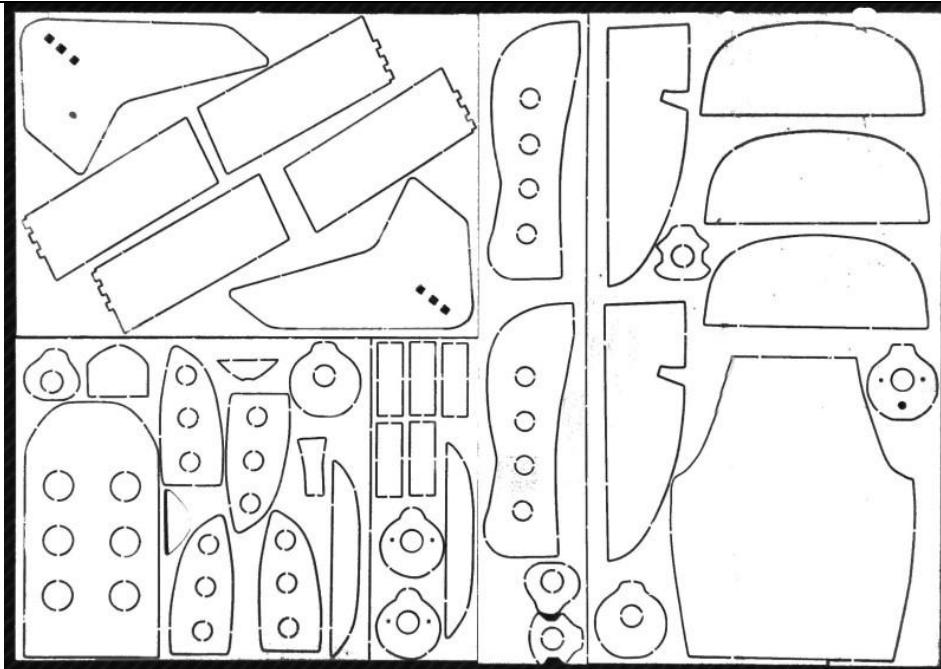
## Complete Kit of Parts Supplied – Pet-g Items

If replacement parts are required, please quote the item number shown.

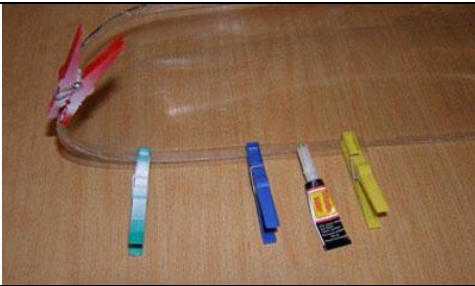


Item Number	Description	Quantity	Item Number
1	Cabin body RH	1	1
2	Nose section RH	1	2
3	Tail section RH	1	3
4	Cabin body LH	1	4
5	Nose section LH	1	5
6	Tail section LH	1	6

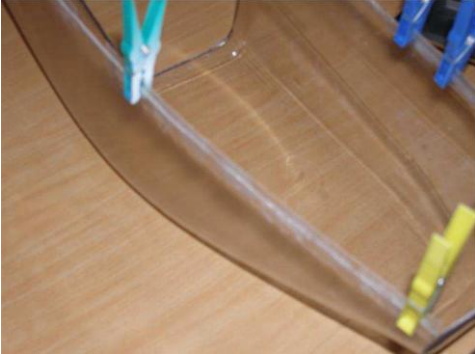
### Kit of Plywood Struts, supports and Tail pieces



All areas to be joined should be “roughened” to give a good key for the superglue



Strips approximately 10 – 12mm wide should be cut from the scrap material after you have cut out the fuselage parts. These are to be used as joining strips for the half sections to be joined. These can be held in place using clothes pegs while the glue sets.

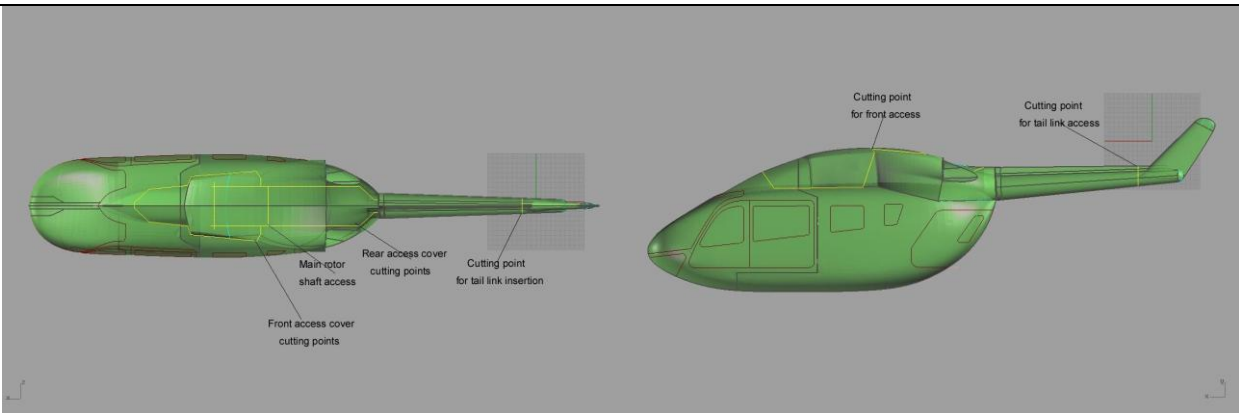


The strips should be glued to one side of the cabin, Tail section etc.. **Do not join the sections together at this point**, various plywood plates and bulkheads, will be fitted inside the sections



This customer has used Neodyme magnets to hold the sections together when joining the two halves. This helps reduce the amount of air gap

When assembled the access covers should be cut for maintenance etc.

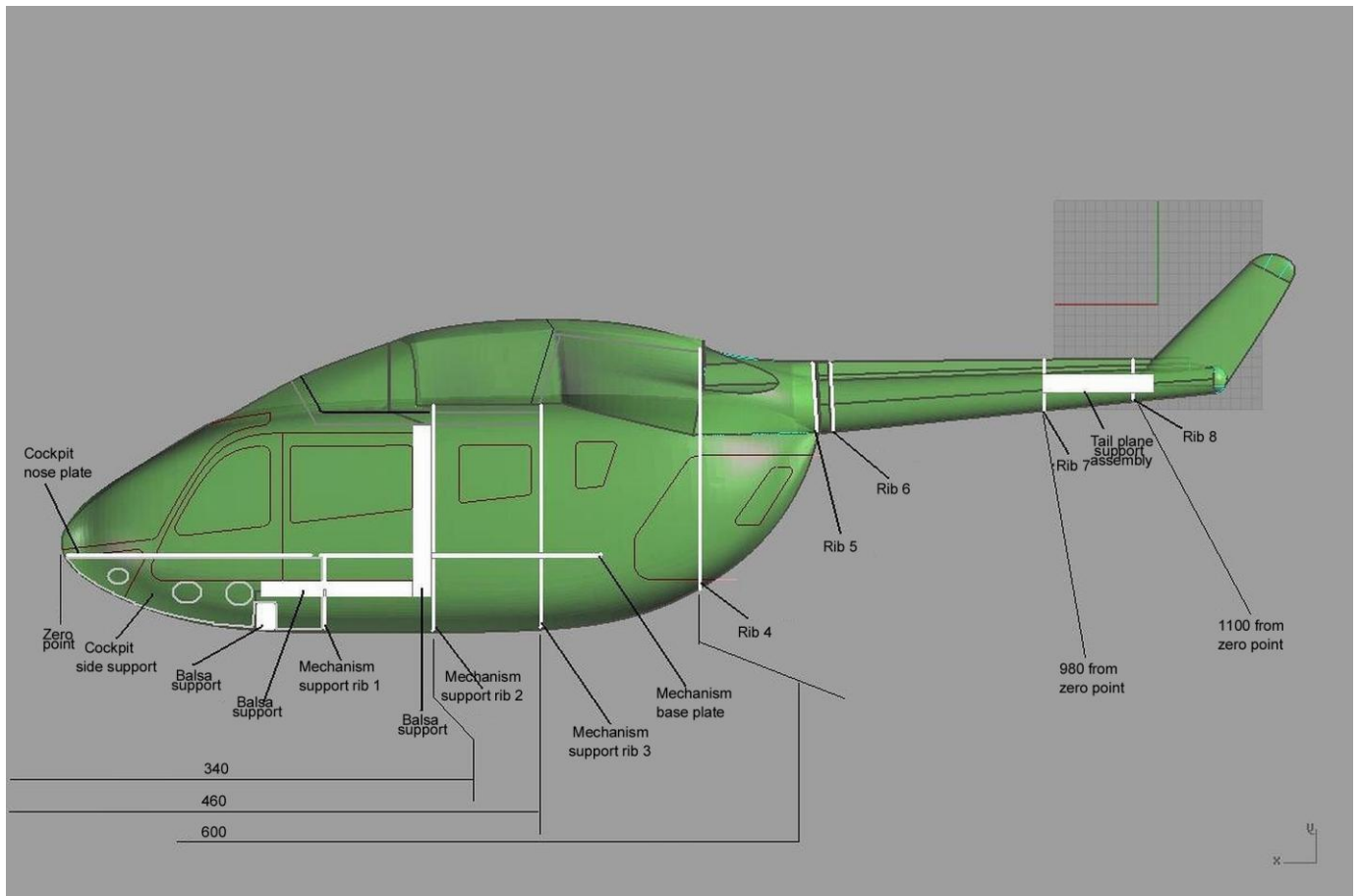


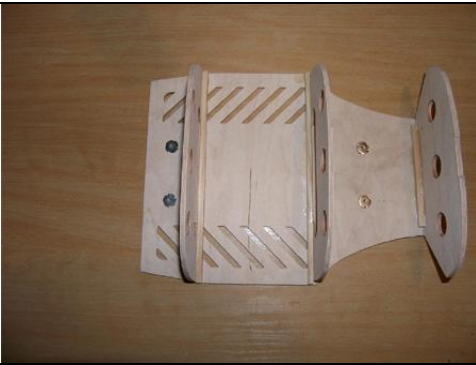


Prepare the tail boom and assemble in the same way as the main fuselage.

This diagram shows the positioning of the various plywood bulkheads.

Dimensions in millimeters

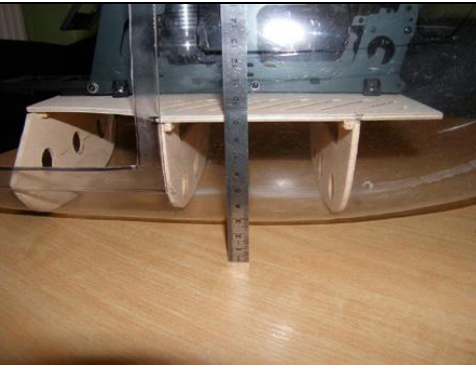




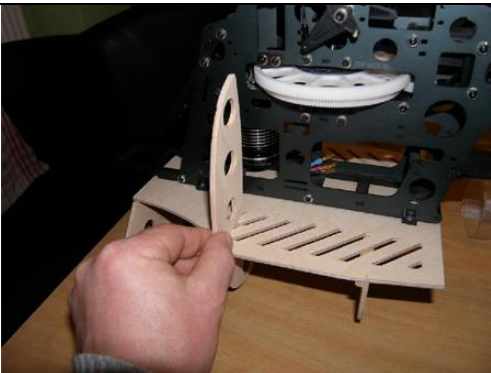
Assemble the mechanism mounting plate as shown



Check the height all round to ensure that it is level.



Now the mechanism can be installed, some trimming of the parts may be required.



Position the supports, and ribs shown in the series of photographs in accordance with the dimensions shown in the general arrangement diagram, and glue in position with wood glue.

Views of some of the ribs and struts etc. in position





Tail plane support frame made as shown here, the struts should be made from pine or spruce, not balsa wood. (Not supplied)



Tail Plane support fitted on to tail boom ready to mount the tail link.



Tail boom joined to the main cabin.



As with all retrofit items, these instructions only show the method used by one modeler. Most experienced modelers have their own ways of doing things and we are always open to suggestions and tips about how to improve our instructions.

If you have any suggestions please email us at [hightorquemail@aol.com](mailto:hightorquemail@aol.com)

We hope that you have many happy hours flying your BK117 !!!

Hightorque UK  
11, Kiteley's Green  
Leighton Buzzard LU7 3LD  
United Kingdom

Web [www.high-torque.biz](http://www.high-torque.biz) email [hightorquemail@aol.com](mailto:hightorquemail@aol.com) phone +44(0)1525 385835