

# Building Instructions

Bell Ranger, Airwolf, Augusta, Bell UH-1C, Ecureuil for  
T-Rex - Zoom – Eolo

The helicopter fuselage shown is for a Bell Ranger for T-Rex or Zoom , but the same principles apply to the Ecureuil for Eolo or any of the models with removable nose sections.

Bell UH-1C & Augusta A119 builders, please note the photos at the end of the instructions.

When assembling this fuselage, please allow time and exercise patience.

The following tools were used:



Felt tip pen, 600 grade emery paper, high viscosity superglue, small and large scissors, 2 x surgical clamps (optional) usually available at flea markets for about £ 3.50 each. White spirit for de greasing (not shown)



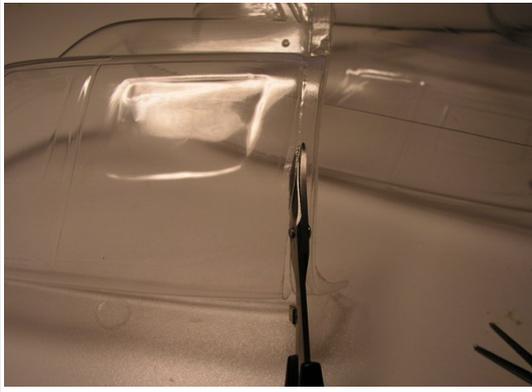
Make rough cuts around the edges of the fuselage



Some fuselages have an overlapping cabin sections as shown here



Using the felt tip pen, draw around the the fuselage where the excess material is to be cut off. This makes it easier to cut at about 1mm away from the rounded section of the mould. The line serves as a guide



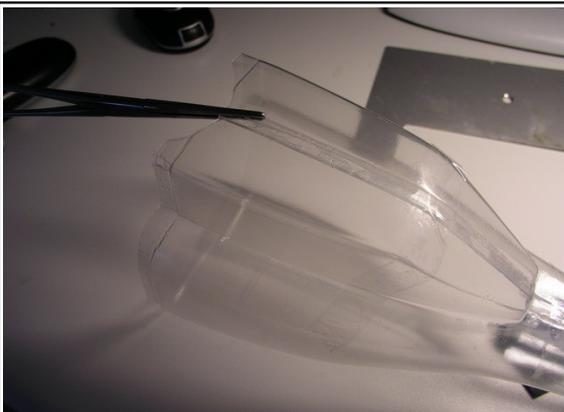
Cut at the edge of the nose section



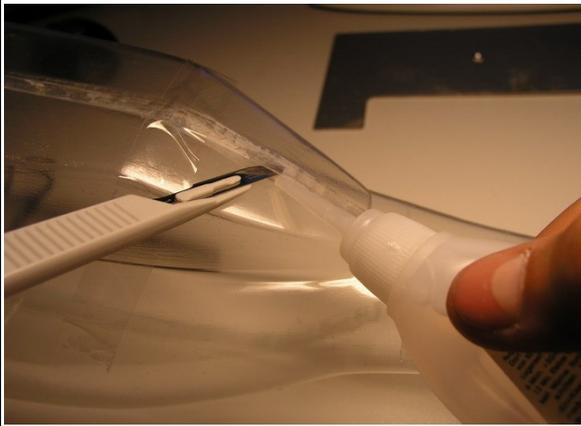
Make a test fitting of the nose section, ensuring that the radii join correctly



The overlaps must be roughened and cleaned with white spirit to ensure a good bond when glueing



After checking that the joint is accurate, the fuselage is ready for glueing.



The fuselage sections should be held together temporarily with sellotape. Then apply superglue to the joint.

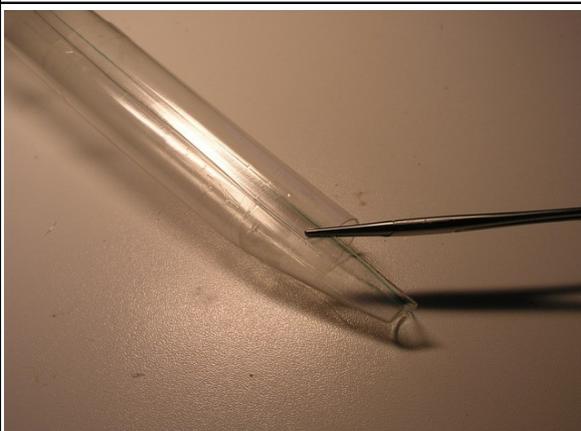
The tail boom should only be glued along the top edge. The nose section should be glued all round



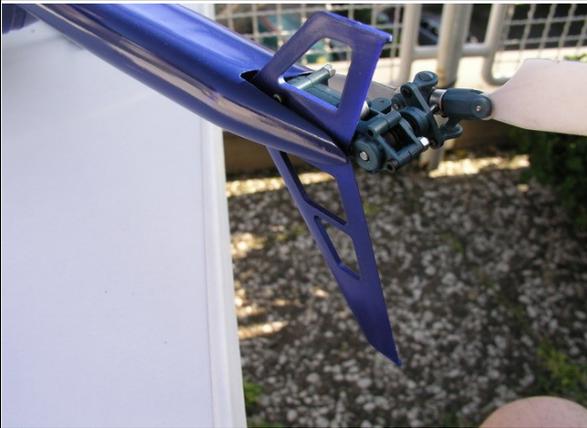
After the adhesive has dried properly, the recess to allow the fitting of the tail boom is cut out. It may be advisable to loosen the rear landing skid to ensure that the tailboom is a good fit.



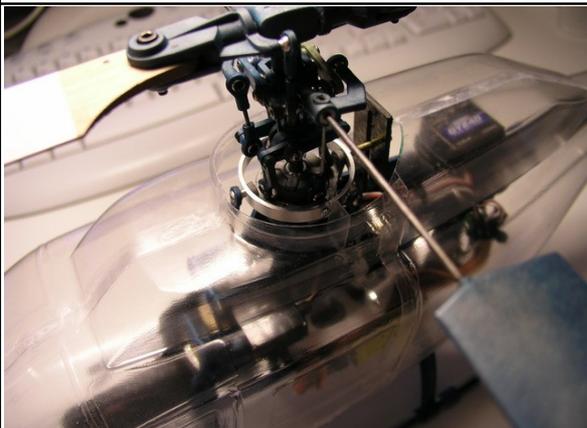
Now the cutout for the swashplate is to be made. In this example a 120° swash plate is shown, this requires quite a large cut. Initially you should cut the marked section on the fuselage, this is for a standard T-Rex. Then cut to adapt to the model your are modifying. The same principle applies to the nose section.



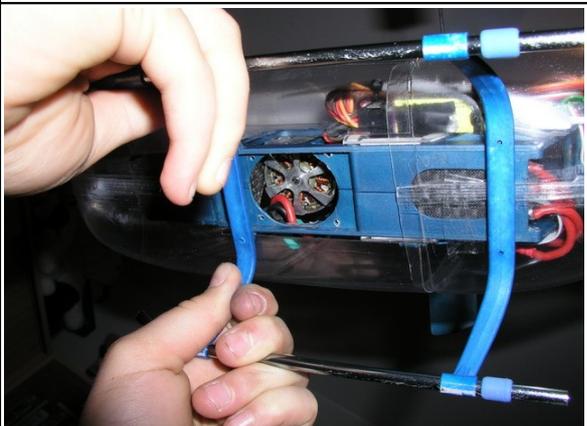
Be careful not to cut too much initially at the rear of the tailboom, then gradually cut to adapt to your model.



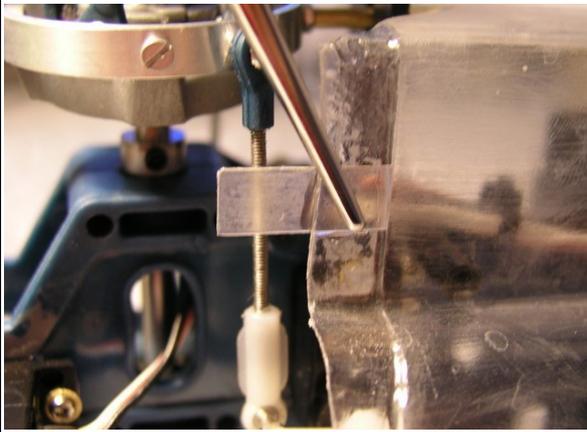
This shows how it should look..



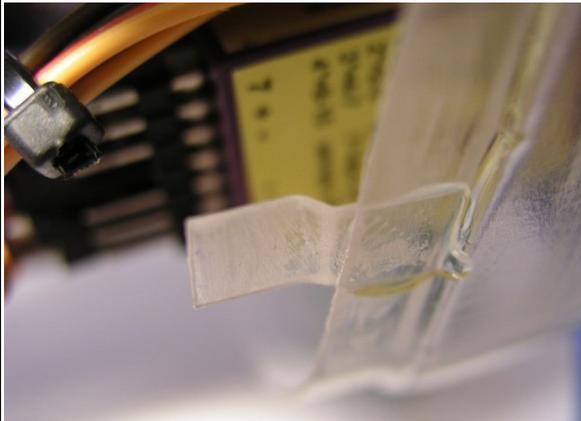
The nose section is now mounted, checking, and adjusting, if necessary, the overlap.



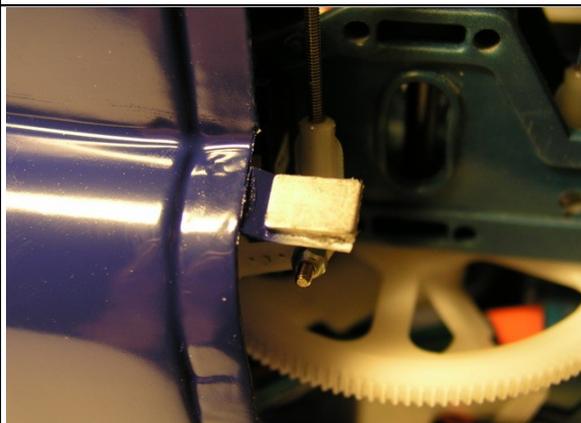
The fuselage should be cut out below the motor. To allow for air cooling, and ventilation



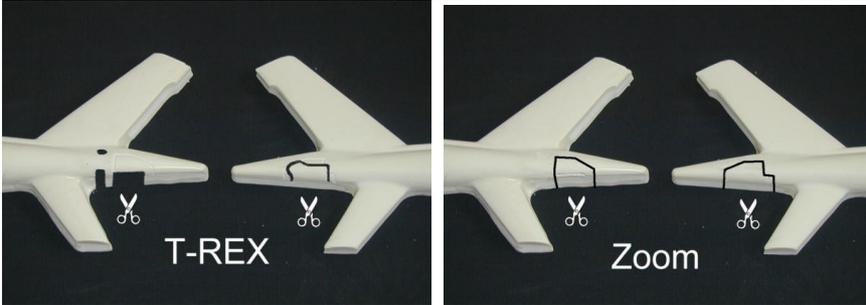
The assembly of the front hood takes place utilising 4 magnets. Using some of the scrap Pet-g material, manufacture small latches as shown(ensure that they are roughened and cleaned), these are used to carry the magnets.



After the adhesive has set, bend the Pet-g material as shown, and ensuring that the material and each magnet is roughened, glue the magnets in place.



Glue the corresponding magnets onto the nose section.



You end up with a beautiful model helicopter  
Congratulations!!