



ALGEBRA GLASSFIBRE FUSELAGE INSTRUCTIONS

32

FUSELAGE Glue in place F15 check measurements, do not fit too low or front dowel hole will be near edge of ply. Use polyester resin or body filler Davids Isopon or Plastic Padding, NOT EPOXY. Drill centres of dowel holes in appropriate dimple 1/16" (1.5mm) It is suggested the wings are made up before drilling fuselage. The exact spacing of holes can then be measured. Insert two straight lengths of wire through holes, view wire from behind and above for accurate alignment. If out of line redrill slightly larger than 1/16" (1.5) and attempt to move hole centre in appropriate direction, a small mouse tail round file may help. When finalised the dowels should be a very tight fit. The elevator crank F12 should now be fitted, carefully measure and drill 1/16" (1.5mm) the centre hole for short brass tube E4 check alignment with wire as for wing dowels. Drill F13 ply to take E4 this must be tight fit, lightly sand fin then glue F13 in place (use cynanoacrylate) CA, cut slot for front tail wire on sides of fin, make up elevator push rod F18/F20 then fit F12 pushrod assembly into place. Now drill 1/16" (1.5mm) holes into rear fuselage for rudder cables, then enlarge holes by removing sharp corners to allow free cable movement. Feed cables through holes then tape cables firmly in place. Sand the rudder to section, fit hinges R2 to the R5 and rudder R1, also glue in R4. R4 must be securely held in place use CA also drill and peg R4 horn. Then glue. Assemble into position, epoxy will not hold too well so use a polyester resin or Bostik No. 1. Fit the tow hook and block F6 as shown on wing instructions.

RADIO INSTALLATION The large nose radius will allow most battery packs to go very near the front, followed by the RX then the servos. The servos are held in place by the 3/8" sq servo rails, G1 and the 1/16" ply plates, G2 and G3. The rails should be glued to fuselage sides with polyester resin or clear Bostik No. 1. When glueing in rails do not place them too far forward or it will not be possible to fit RX and battery pack. Gap of at least 1 1/2" (4.0mm) between the front or rails and front edge of hatch opening checking with your RX and battery. The C. of G should be in the same position as shown on main instructions. The elevator neutral should be set parallel to the bottom of the fuselage this will be close to its final position which can be finalised after one or two hand launched test glides.

The hatch catch F16 is bent as illustration. Hold in place to hatch cover with polyester resin and glass cloth. Slide the hatch to the rear to fit and forward to remove.