

Boar manual

Slot the slits on the fuselage and wings:

Cut the slits on the fuselage and wings with 4-5 mm fitting allowance, needed to provide shoulder for the covering lids. When the slits are cut off, the servo lids are to be cut and grinded to an adequate and suitable dimension.

With this, assemblage can be started.

The wing:

Shape servo holders from a light plywood as thick as 3 mm (not included). Glue them into the wings with CA glue so, that the servo, the servo rods and later the hinge are to stand at right angles. This is important for a tension free mount of the aileron.

Drill the steering levers' points on the ailerons. Dimension the steering levers (cooper, supplied) and glue them (Epoxy, 5 minutes) into their places. The holes are to be positioned above the hinge line.

Bend the supplied 1mm thick steel rods then spoke them into place. Secure the steering lever with heat shrink tube (not supplied) against sliding.

With this, set the ailerons and the servos into their basic position and then secure the servos into their places with adhesive (Palmatex). Don't put adhesive underneath the servos! Secure only the flappers, assuring easy release for the future if necessary.

Drill holes for the chosen connector (not supplied) in the middle of the wing, bellow. Insert the servo cables and mount the connector.

Finally fasten the servo cover with adhesive tape (Tesa) or adhesive glue (Palmatex).

The wing got ready.

Tail boom and the „V” tail assembling.

Grind the bottom of the fins according to the angle of the “V” position. The “V” angle is 110 degrees. Stick the two halves together (Epoxy 5 minutes). Glue the balsa triangles (supplied) on the fin (CA).

Grind the triangles by means of the tail boom and some emery-cloth. Glue the completed fin into place with 5 minutes Epoxy. Grind the surface before gluing.

Drill the places of the steering levers (supplied). Dimension and glue them into their places.

Drill the places of the Bowden wires underneath the fin, on both sides.

Thread the wires into the tail boom, then support them from inside with some pieces of sponge (not supplied), distributed at even intervals.

The tail boom got ready.

The front side of the fuselage:

By means of the wing, drill the places for the fixing nuts (supplied) on the top of the fuselage. Pay attention to symmetry, measure from both tail tips to the end of the joint tail boom. First

drill one front hole. After drilling, insert one of the fixing bolts (supplied) through the wing and after that drill the rear borehole. The nuts can be joint the easiest by using a fir lath and some plasticine or chewing gum. After jointing, glue with 5 minutes Epoxy.

Fabricate support from light plywood for the elevation and the rudder servos. Glue this support into the fuselage with 5 minutes Epoxy. Polish the surface prior to gluing.

The front side of the fuselage got ready.

Jointing main parts symmetrically:

Screw the wing on the front side of the fuselage. Polish the interior of the tail boom and the place for it before gluing. Glue with 5 minutes Epoxy. Plug the tail boom with the fin to the front side and lay the assembled model on its back over a smooth, plain surface before the glue bonds and hardens. The model reclines on four points: the two wing tips and the tips of the fins, ensuring a torsion free cementation. Measure the distance between the tips of the fins and the tips of the wings to adjust for symmetry.

While the glue hardens, bend a "Z" form on one of the ends of the inner Bowden wires. Spoke them into the servo rods.

The model's cementation got ready.

Thread the inner parts of the Bowden wires together with the servos into the fuselage. Fasten the servos with adhesive (Palmatex).

Bend the ends of the Bowden wires for steering actuation; spoke them into the steering levers of the fins and fasten them with heat shrink in the steering lever to avoid sliding out.

The model is ready.

Insert the receiver and the batteries, and then set the centre of gravity.

We wish you successful flights and beautiful landings.

KERR Soaring Team

You can find photos on the assembling on this web page:

<https://picasaweb.google.com/100167660699145786200/BoarManualPictures?authkey=Gv1sRgCNfXmca6nYLyXA#>