



## ASSEMBLY INSTRUCTIONS

Hello friend! You are about to try a new way of assembling kits. Much easier and faster. However, we need to pay attention to some guidelines to facilitate our assembly:

- 1- all indications engraved on each piece must always be visible;
- 2- they must always be facing forward, in the case of horizontal and outward in the case of vertical;
- 3- the fittings are accurate, but if there is a need for any adjustment, do it;
- 4- do not glue definitively before making sure it is in the correct way, so assemble the parts before gluing them;
- 5- you will need sandpaper of various thickness, CA glue and / or wood, in addition to epoxy;
- 6- all assembly is illustrated on the A1 format sheet with this kit. The guidelines that may not be there, will be here.

Knowing all the guidance presented, we will start the work. Good assembly and good flights!

### **VERTICAL STABILIZER:**

- let's start with the easiest, the vertical stabilizer. Find part R1 and glue R2 and R3 to its ends. Close with R4 and finish with the R5 crosspiece.

### **HOOD 1:**

-hood 1 is the nose hood. Join structures H1\_1, H1\_2 and MAGH1. Then paste MAG H1\_2 over MAG H1, as shown. Time to close the lid with H1. Finish by fitting and pasting H1\_3 into the slot of H1\_2. Half of this part should be out, as it helps to lock the lid. Glue the 10x2 magnet with the painted part facing the glue. Use epoxy. Leave it facing the surface of MAG H1.

### **HOOD 2:**

- it is the body hood. The procedure is the same. Join H2\_1, H2\_2 and MAG H2. Then paste MAG H2\_2 over MAG H2. Close with H2. Finish by gluing the H2\_3 key in the H2\_2 slot. Remembering: half out.

## **WING:**

-the wing requires a little more care. To start it, separate the pieces AB 1 and the ribs from W1 to W14. Fit these ribs on AB 1 into their respective locations. Afterwards, the S1 stringer must be placed. Use aluminum tubes to align the first ribs. It is important that W1 is perpendicular to the tubes. If the ribs are warped, use alcohol or water and moisten the pieces well, forcing them in the opposite direction, making them as straight as possible. The trailing edge (BF) must be fitted and glued to the ribs. Triangles 1 and 2 are positioned and glued to ensure wing geometry.

- time to stick the rods. They will reinforce the wing. First glue the 10x4 rectangular rods. They go over and under S1. Check that the wing is not warping. Twist the reverse side to fix it. Now stick the 3x3 rods, 3 on top and 1 on the bottom. Trim the rest and sand for a better finish.

-there are two pieces with the same name. It is called SERVO and where the aileron servos will be installed. Join them according to the drawing. Be careful not to paste them wrong. Check the position on the wing first.

-final, glue TIP piece on the wing tip and its complement (without name). Lock it with T2, aligning with S1. At the root, install rib W0. Do not forget to glue the magnets that attach the wings to the fuselage, always with the painted side for glue. The 20x3 magnet is located at the front and the 10x2 magnet at the rear. Use epoxy and leave the outer surface of the magnets facing W0.

-repeat the operation with the other wing. Then sand them, removing any imperfections and leaving them ready for covering. The aileron (AIL) must have its two beveled edges to promote their movement, covered and later, installed.

## **FUSELAGE:**

-we were the fuselage. Find the F1 part on either side. With part C3, click into place. Do not paste it at this time. Come with the REF.FUSE piece and paste it against C3. Remember: C3 must be perpendicular to F1. This is very important. Once done, paste the REF.H pieces and the triangular rods in their respective sizes. The upper rod is based on REF.H and the lower one on REF.FUSE.

- assemble the set MAG.FUSE1 and MAG.FUSE2 in addition to MAG.FUSE3 and MAG.FUSE4. Paste them into REF.FUSE. Also glue the supports of the magnets, T1 and T2 in their respective holes (see drawing). Remove C3, fit on the other side and repeat the operation, gluing the parts that are attached to it.

-before joining the two sides, we need to moisten the region in C3 with plenty of alcohol or water, according to the drawing and slowly force the tip of the tail inwards. leave it like that for a while. We need the tail to be curved in that region, so it will not force the installation of the parts attached to it.

-Done, now we will paste the parts C2 and C3 together with C1, this glued with epoxy joining the two sides of the fuselage. For the bottom part, initially join parts F2 and F3. Then glue the fuselage. At the top, finish with the fixation of F4, F5 and F6. The vertical stabilizer will be glued only after covering. Glue the magnets in their respective holes, with the painted part inside and with epoxy glue, facing the surface of the magnets with the REF.FUSE surface. Sand the fuselage. Special attention to the nose, rounding along the spinner. Use a 38 to 40mm diameter spinner.

### **FINAL CONSIDERATIONS:**

- after the fuselage and vertical stabilizer are attached, glue the latter by entering the end of the fuselage and fitting it into the slot in F3. Make a fitting test before covering, ensuring a better fixation.

-the drawing has a diagram showing where each electronic component is located inside the fuselage.

-also in the drawing, there are suggestions of formats of air intakes necessary for cooling the electronic components. Also take the exit at F3 in front of C3.

-CG recommended is 119mm at the root of the wing.

-If you want a wing without a motor, you will need a piece of balsa or solid wood to sculpt the nose, replacing the spinner. The design is left to the builder.

CONGRATULATIONS!!! You have just assembled your Aurora glider from Bluesky. I hope it was a rewarding and pleasant experience. We thank you for choosing our brand and we hope to count on you in more opportunities. Follow us on Instagram and Facebook. Follow our projects and developments.

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