

ESC Cooling Alfa A-4 Jet Alfa Models from Hobby Lobby

Cooling for the ESC is necessary to keep the controller from overheating and cutting out. This inevitably occurs at the most inopportune time possible. The solution for this is very simple and is explained in the instructions for the A-4. This document will illustrate the steps required to more clearly show what is involved. During the assembly process for the A-4 you will be adding a slot in one side of the inlet duct that is approx. 2mm X 25-30mm long. This slot will be located so that it is adjacent to the ESC. No additional holes to allow air into the fuselage are required.

1. Photo shows the ESC attached to the right side of the fuselage with double sided tape. The switch has been removed and the switch wires soldered together. Photo also shows the location of the elevator servo. It is glued to the left side of the fuselage. Radio receiver is not visible, but is located on the left near the trailing edge of the wing.



2. Insert one half of the inlet ducting into the fuselage. Draw small marks that line up with the front and rear of the ESC. Photo shows the duct rotated up after drawing the marks. Draw connecting lines to create a rectangle of approx. 2mm X 25mm.



3. With a sharp knife, cut the slot out of the inlet duct.



4. Insert the second half of the inlet ducting into the fuselage. Tape the seams both top and bottom of the duct.
5. Rotate the completed ducting so that the slot is adjacent to the ESC. Tape the foam duct to the vacuformed inlet duct at the front to keep the foam duct from rotating. A small piece of clear tape is all that is necessary.



6. Secure the hatch with a small bead of UHU Por glue around the edge of the opening. This hatch can be opened again later if necessary by running a sharp blade along the seam.



ALF104 Cooling document

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