**Fuselage.** This configuration is intended for a 3.5cc K&B engine and filled nylon engine mount. Make design modifications as required for your own engine/-mount combination.

Cut out the fuselage sides, formers, and plywood parts (use five-ply plywood). Premount the engine mount, ballcrank, and landing gear to the firewall top and bottom plywood plates with 4-40 blind nuts. Epoxy the nuts into place. All other parts may be assembled with cyanoacrylate (CyA) glue, but the firewall should be epoxied into place.

Assemble the fuselage sides to the formers. Glue in the plywood parts after removing the screws. Add the tail skid assembly and the top and bottom balsa sheathing. Sand the fuselage to shape with coarse sandpaper, then smooth it with a fine grade.

**Wings.** Block up the leading and trailing edges over the plans. Use ½ x 1 ¼-in. balsa stock for the leading edge, ½ x 1-in. pieces for the trailing edge, and ½-in. stock for the ribs. Slip the ribs into the notches. After basic assembly, sheet the center sections and install the tip blocks. Sand the wings to accurate airfoil shape.

Cut the ¼-in. sheet balsa tail parts to outline, then sand them carefully to airfoil shape. Cut out the plywood wing struts, and round off the exposed edges.

Use the windshield pattern as a guide only. Cut out a stiff paper pattern and trim to final shape before cutting the soft aluminum.

Basic assemblies may be prefished at this point, then completely finished upon final assembly. If you've chosen to use a tuned pipe, the pipe tunnel should be prefished along with the corresponding portion of the top wing before wing attachment.

The original Bipes were finished with silkspan and dope.

Install the control system, and assemble the model completely.

The following notes on flying are excerpted from the original deBolt construction information sent with each plan set.

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