

Dear Ann,

As per your request, I have consolidated my notes in regard to the modifications to your Beaver kit for glow power.

I have built 2 kits for glow power. Both were powered with an O.S. .30 Wankle engine. I would recommend a 2 stroke engine between .30 to .35 cu in. If a 4 stroke of about .48 cu in was used, the plane would most likely be nose heavy and require weight in the tail to balance properly. One plane had full 4 channel control with the addition of ailerons, while the other was rudder, elevator and throttle only. Both models used a steerable tail wheel that was connected directly to the rudder. Both planes turned out to be outstanding fliers with no additional weight needed to balance the planes. My planes came out to about 4 lbs.

The modifications are quite minor and are only needed in 4 areas: firewall, fuselage sheeting, landing gear mount and wing sheeting.

Start by cutting out a new firewall of 1/8 or 3/16" thick to the proper diameter. Mark the holes for your motor mount and drill out the holes for the correct diameter for blind nuts. (3/16, 5/32 example). Epoxy the blind nuts to the back of the firewall. Glue the new firewall over the standard firewall formers. Complete the cowl, sheet with 1/16" balsa. Add a 1/8" diameter ring about 1 inch wide to the back side (firewall side) of the cowl. Drill 2-1/4" diameter holes 180 degrees apart into the new ring and glue in two short 1/4" dowels to locate the cowl onto the firewall. Mark and drill the 2 -1/4" diameter holes in to the firewall to ensure cowl alignment.

Using 1/16" balsa, sheet the sides of the fuselage back to a line even with the wing's trailing edge. Sheet the top of the fuselage between the firewall and instrument panel.

Turn the fuselage over and mark the landing gear position. Glue a piece of 1/8" ply approx 1.5" in height behind the vertical 1/4" square balsa that runs vertical to the front of the door post. Epoxy a pre slotted maple hardwood landing gear support piece against