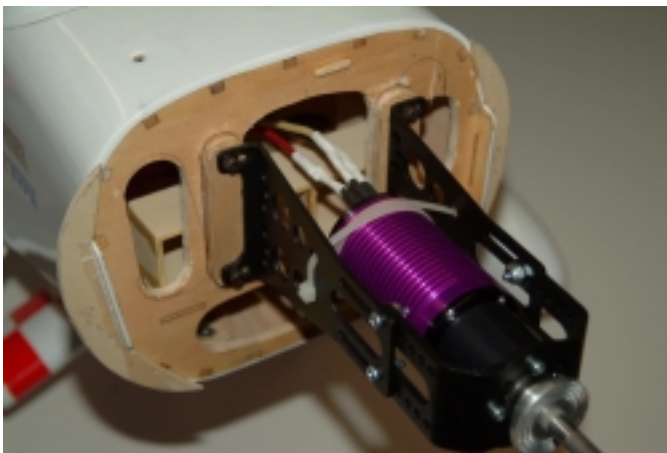




STEP 4: Fabricating a simple floor, like a fuel tank floor, to support batteries. Velcro works great to secure batteries. We used 1/8th inch lite ply.

STEP 5: Fabricating a small “box” in front to support the forward part of the batteries. Again, we used 1/8th inch lite ply. The box was only about 1.5 inches deep.



STEP 6: Closing the opening on each side of the cowl to prevent air leaking out of the cowl assuring that all air passes through fuse to cool motor AND batteries.

Remember, only very carefully connect power JUST before you want to fly, this in effect “ARMS” a very powerful system. Use extreme caution, have a helper to secure plane and always consider, when armed, you could have full power instantly by accident!

We used a Hacker C50 13XL with a Hacker Opti-77 Speed Controller Turning an APC 22 X 10 Electric Prop. Batteries were 10S 4P Thunder Power wired into 2 packs as 5S 4P About 2,400 watts. We used Deans Ultra Connectors.

Further Options?

We think a package of about 1,500 watts will fly our Cubs beautifully. Even on NiCad/Nimh batteries, just not as long, but costs will be quite a bit less. Give us feedback on your results!

This conversion takes a bit of modeling, but is not difficult at all. A couple hours additional over a conventional engine very rewarding when done.