

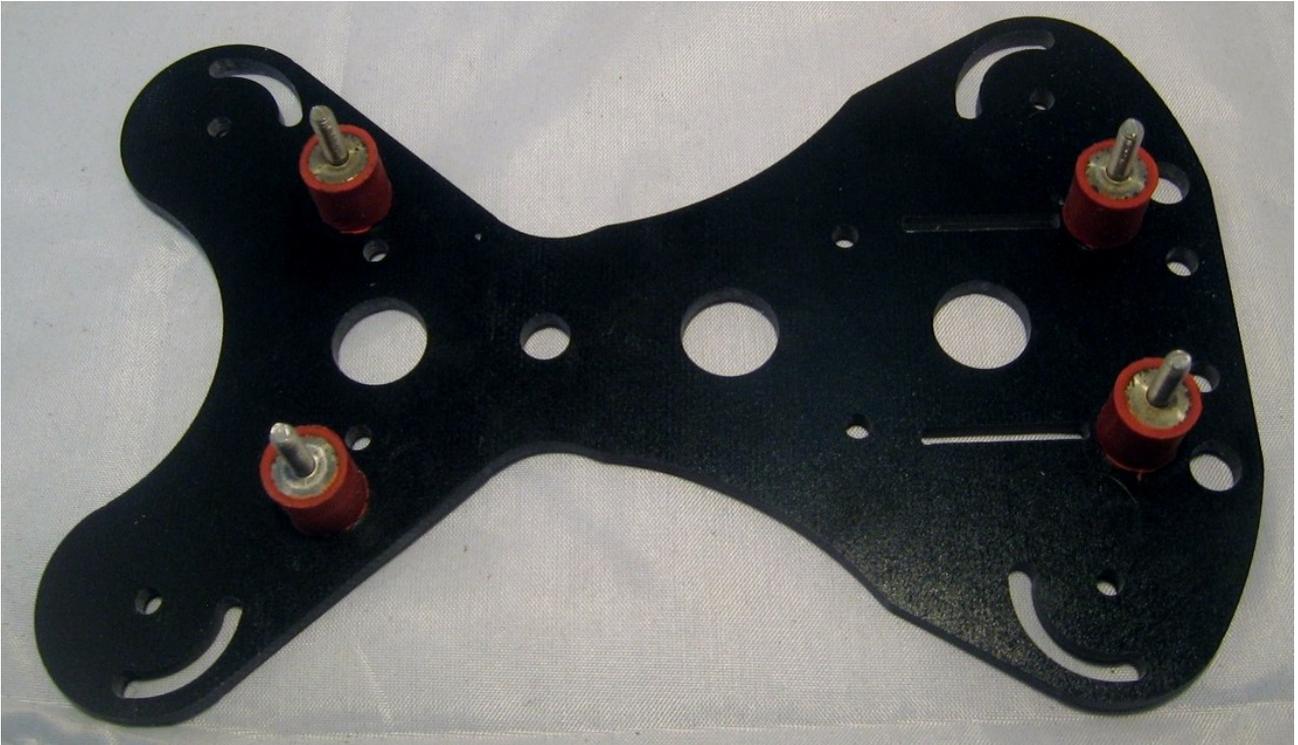
Porta-Quad Build Instructions

Here are the parts you should receive. - Note, as the design is constantly being improved, you may receive slightly different parts.



Step 1

Use the 8mm M3 bolts to bolt in the vibration dampeners like shown in the picture bellow:



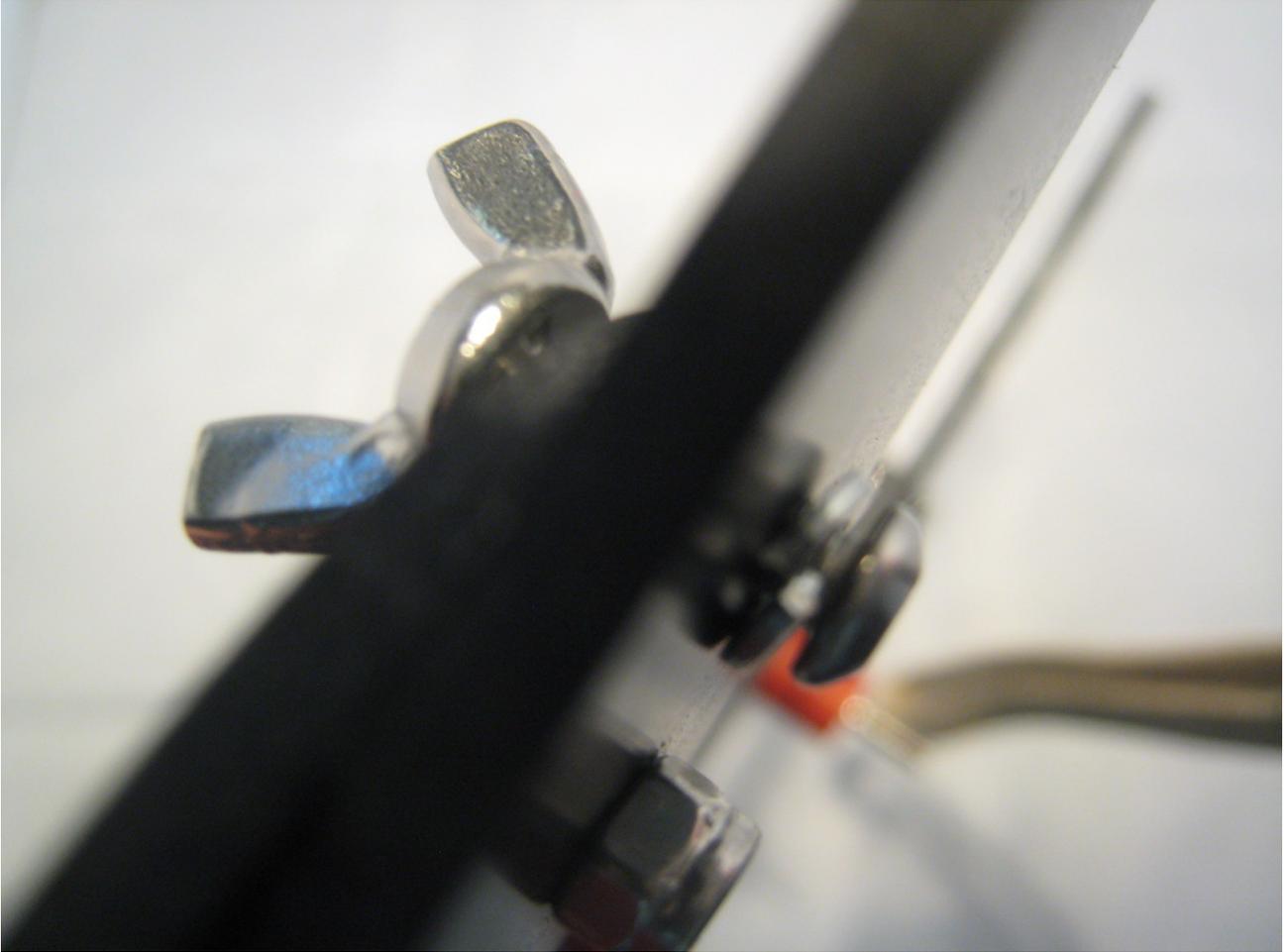
Step 2

Using the 10mm M3 bolts and M3 lock nuts. Attach the arms as shown below.



Step 3

Next, slide the spring washers over the 12mm M3 bolts, insert them into the arms then add the wing nut to the top.



Step 4

Next, build up the pylons like shown.

First add a small nut/spacer onto the vibration dampeners.

Then add the tall metal stand offs.

Then add the smaller plastic break away stand offs.



Step 5

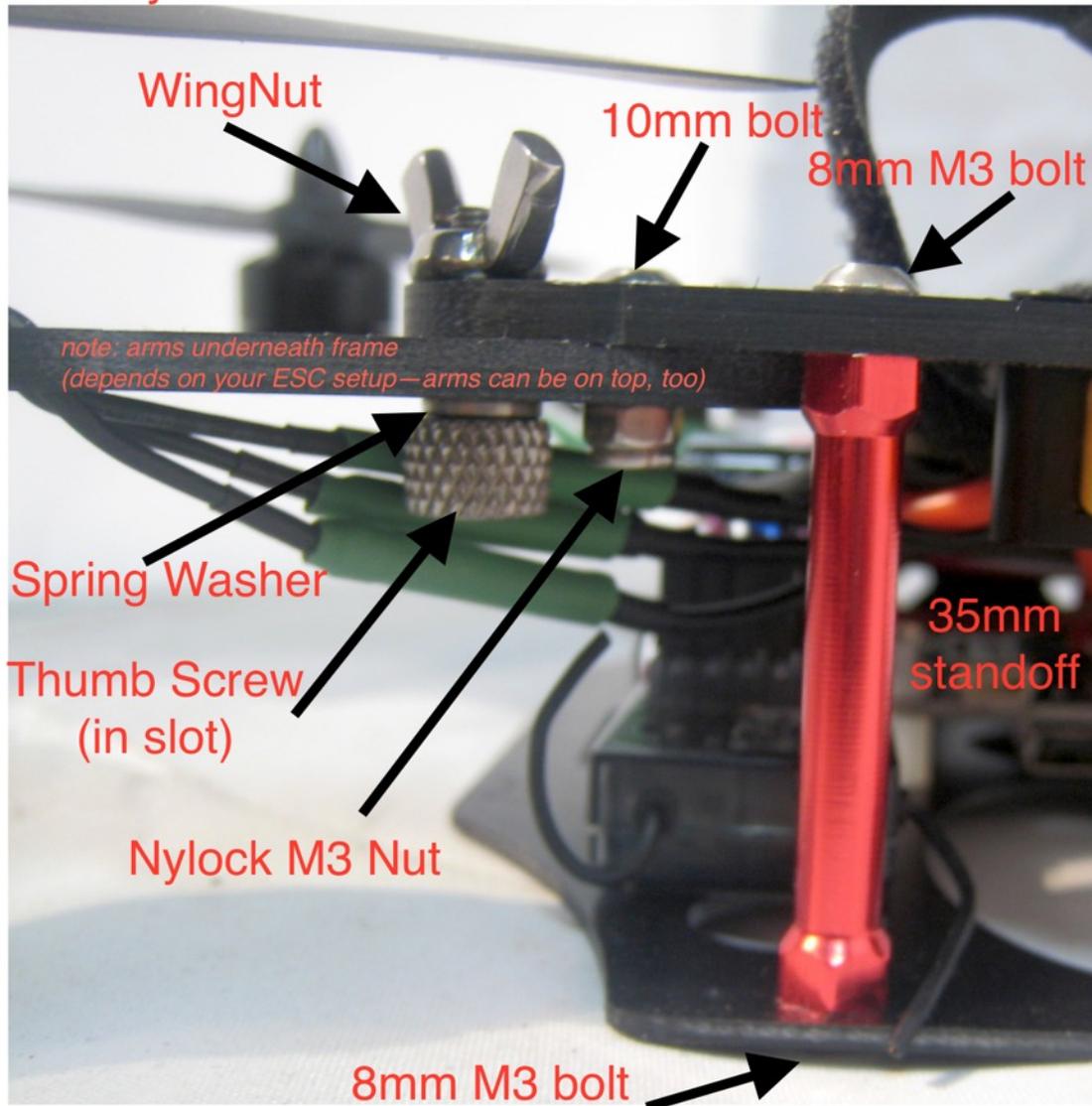
Now, add the bottom plate as shown, and use the remaining nuts to hold it in place.



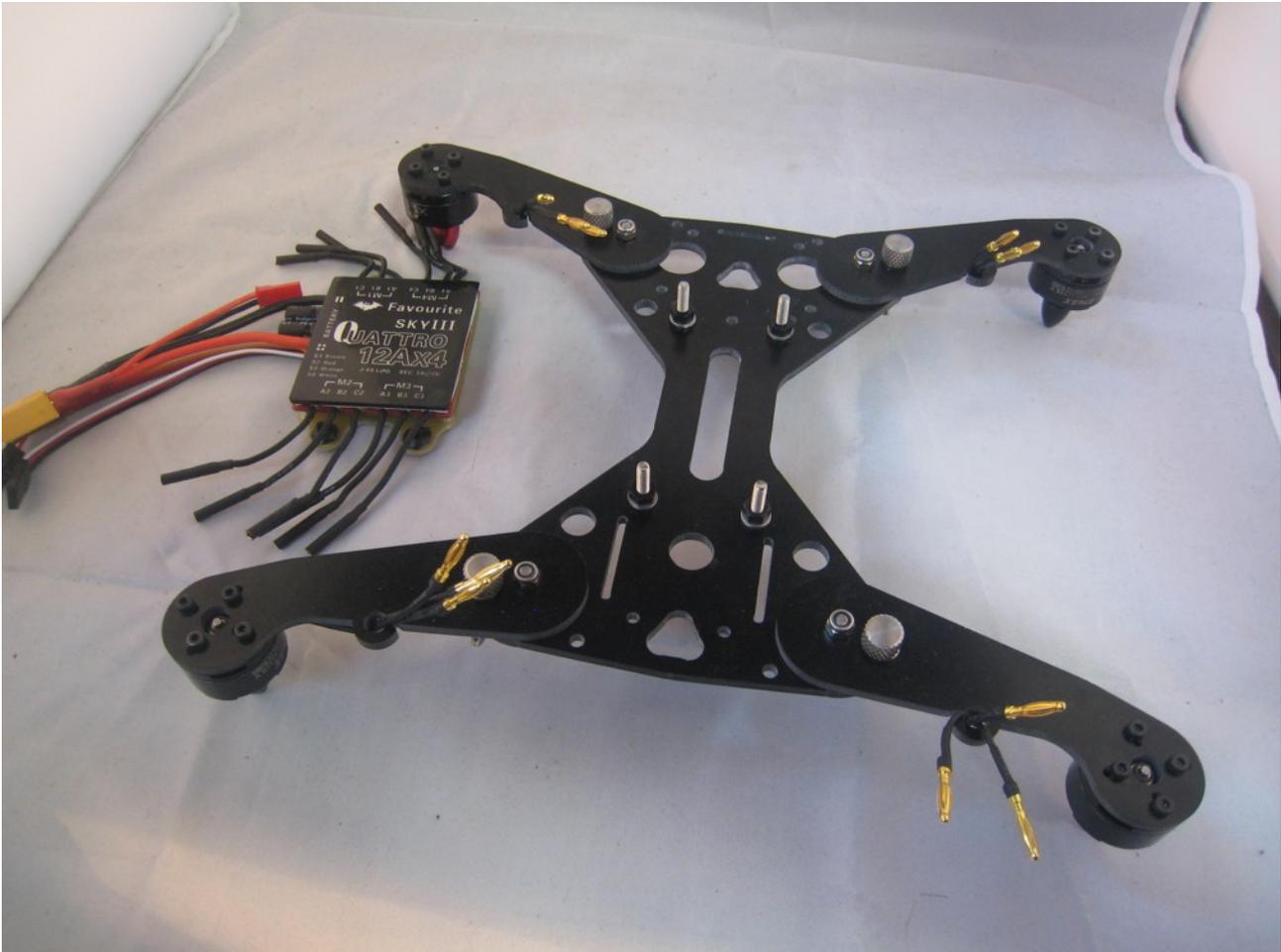
You should now have an assembled Porta-Quad Frame!

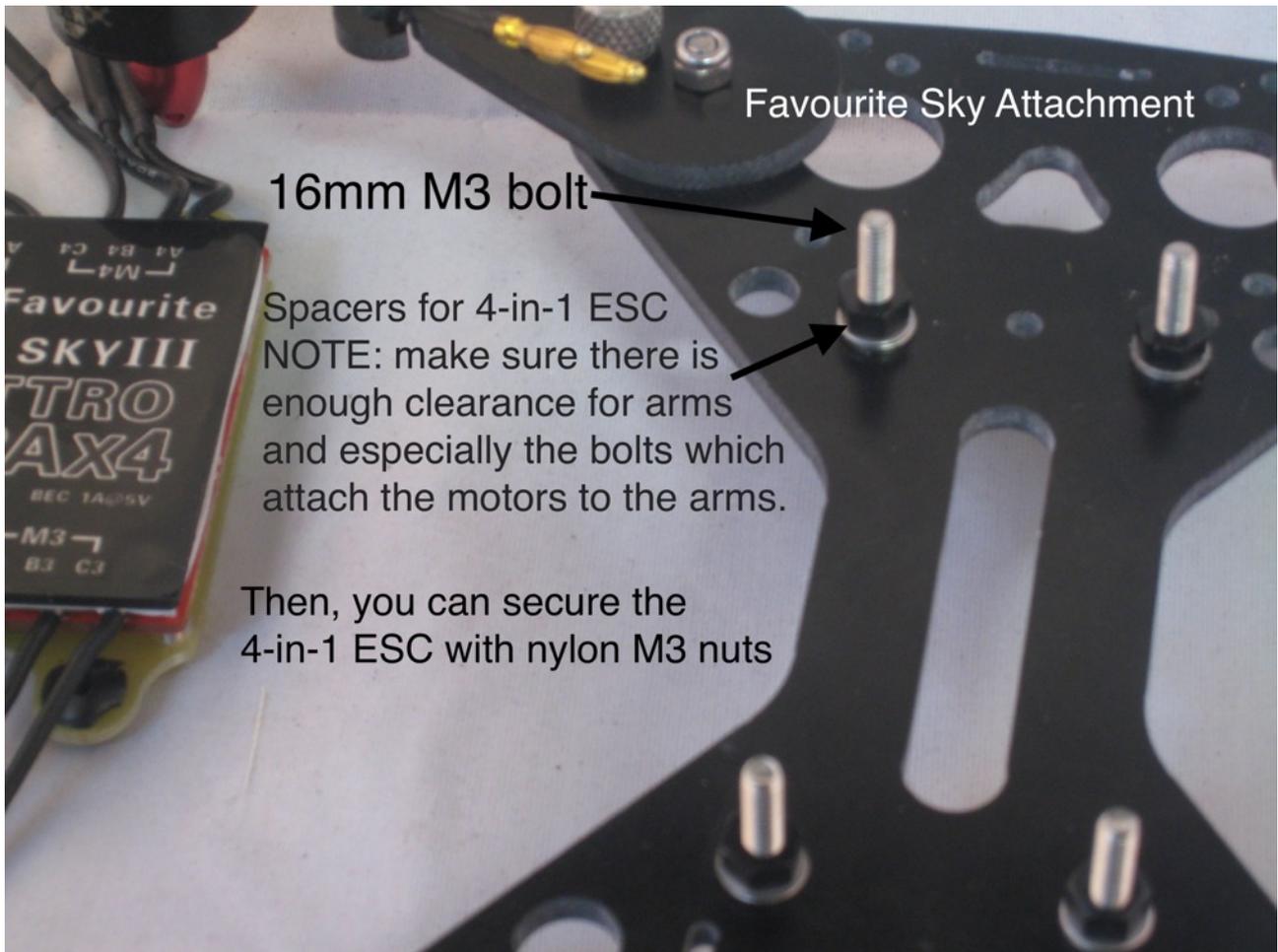


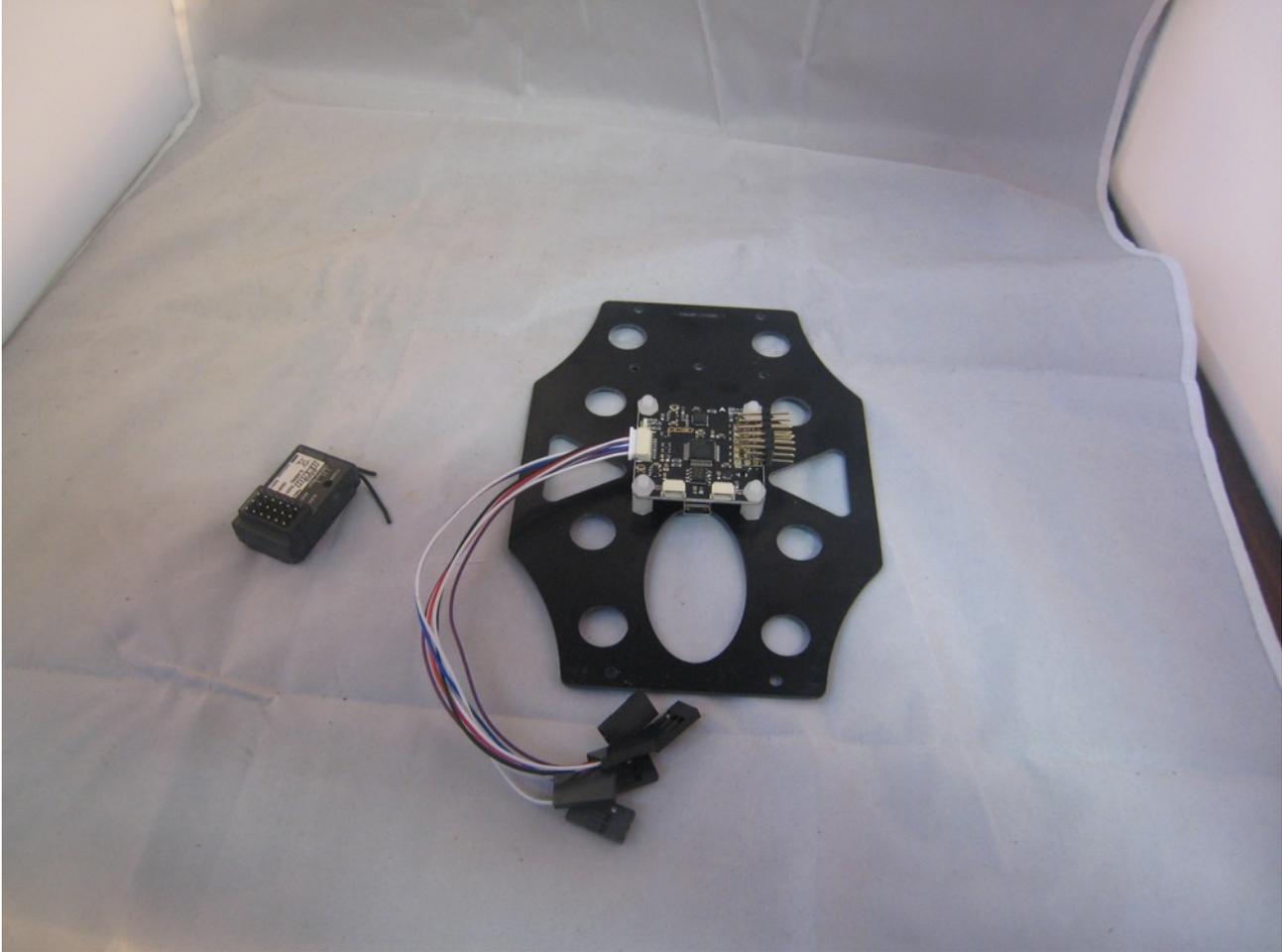
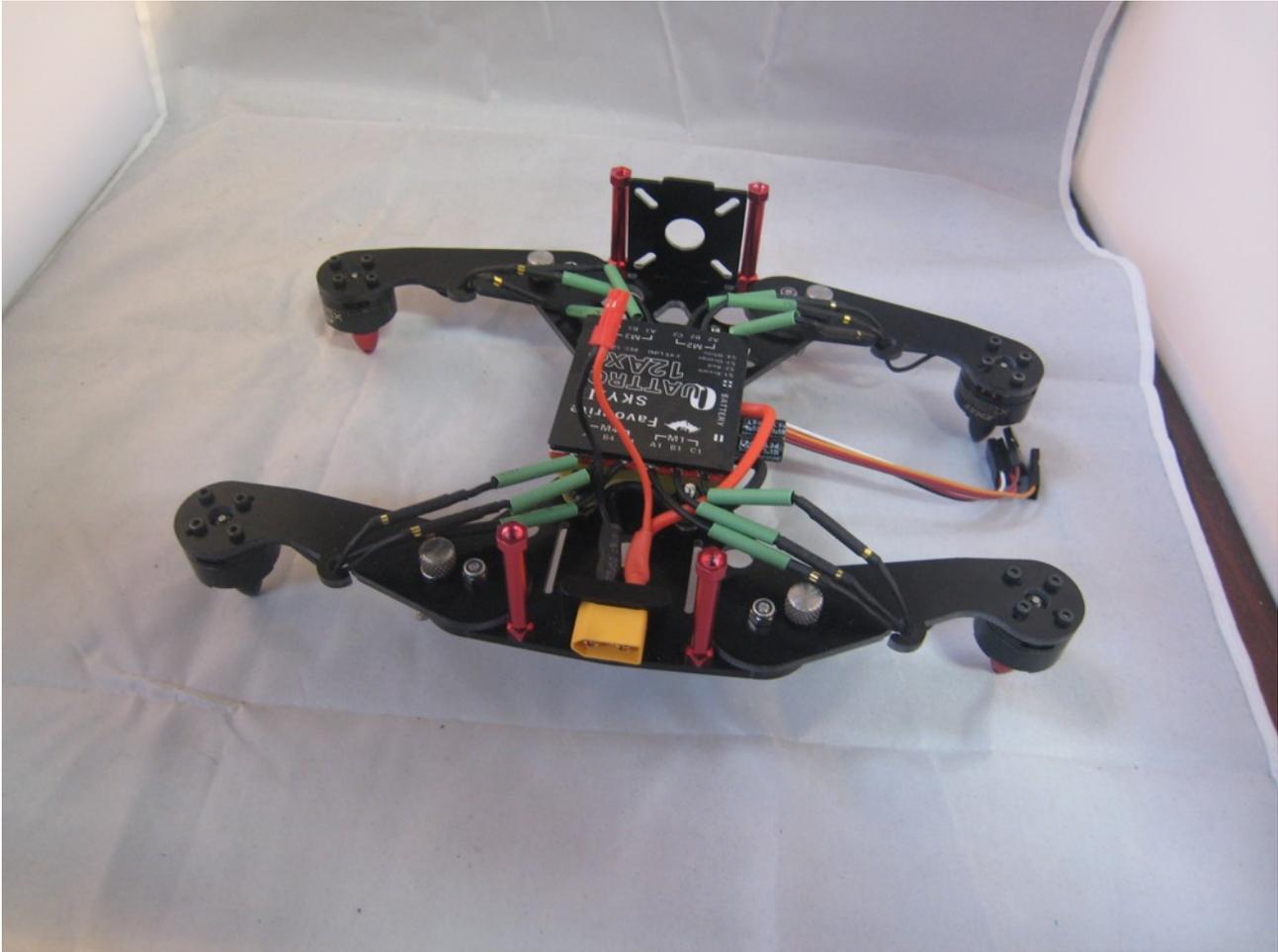
Assembly of Porta-Quad arms and Standoff connection

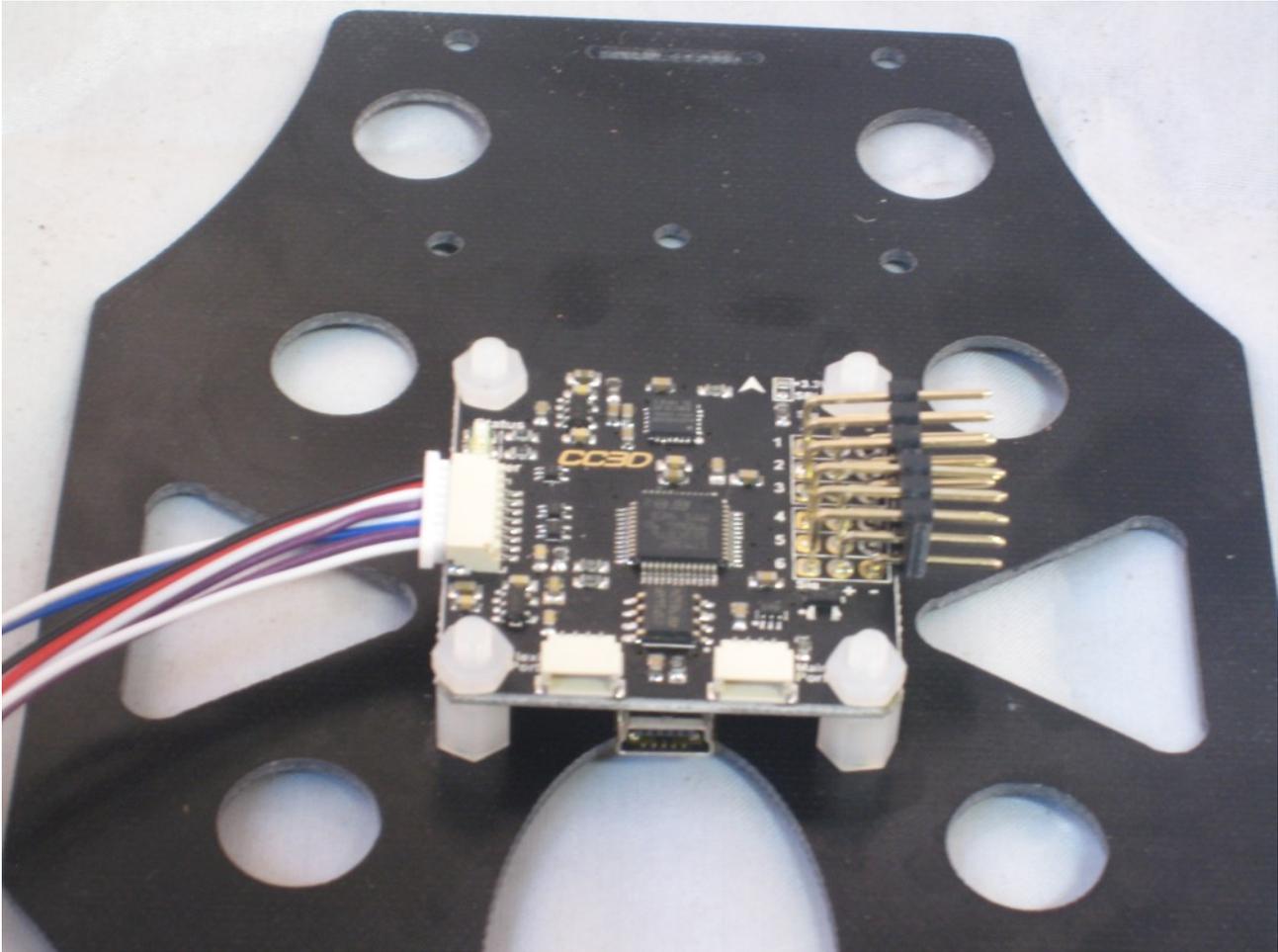












Zippy v2 Porta quad build



These are the parts you will need to build the zippy v2 porta quad.





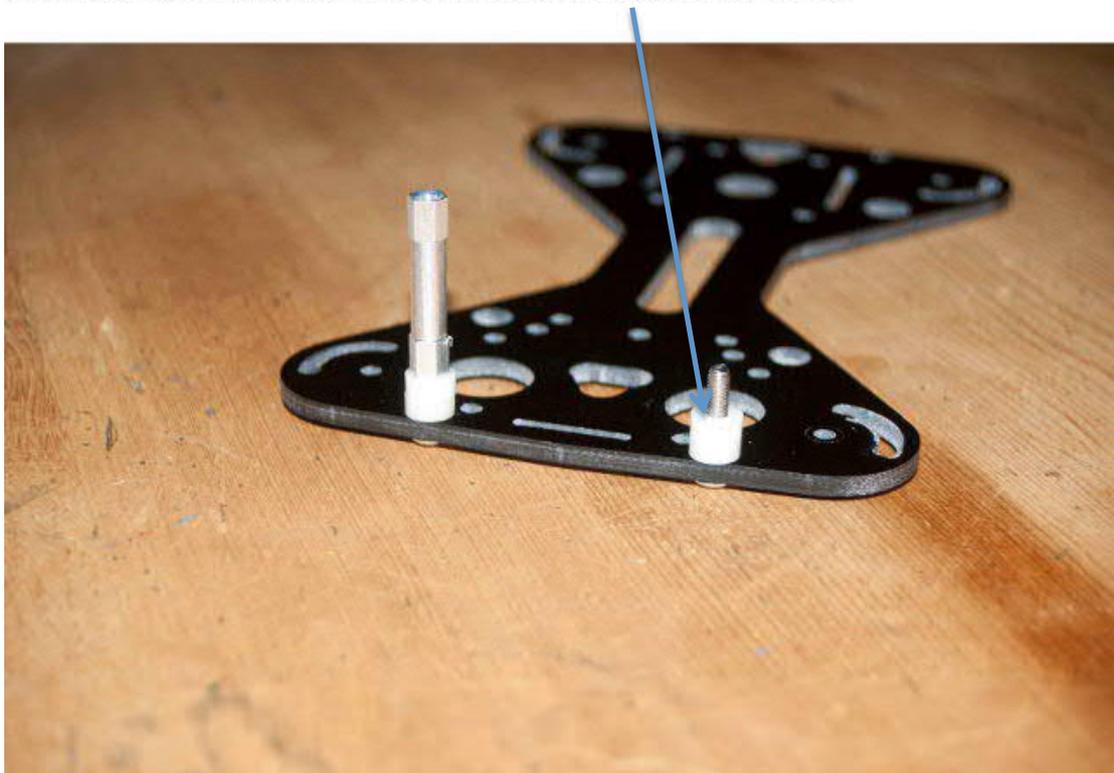
We will start off by making the frame.



You will need the top plate and the ESC plate and the hardware. 16mm bolts, 3mm spacers and aluminium standoffs.

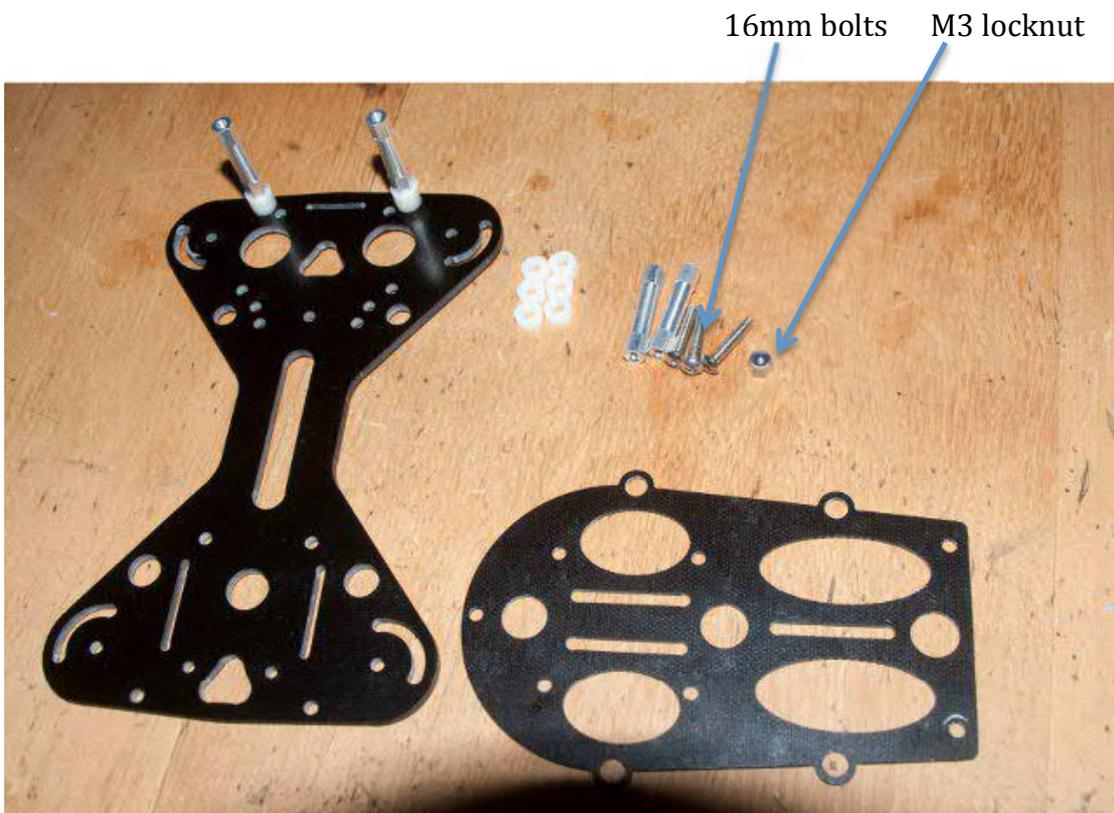


Insert a bolt through one of the two front holes. Then add 2 spacers and then a standoff. Do the same with the other hole.





Once that's complete, get the top plate, the ESC plate and the hardware shown.



16mm bolts M3 locknut



2x 3mm spacers

M3 locknut



Add the standoffs.



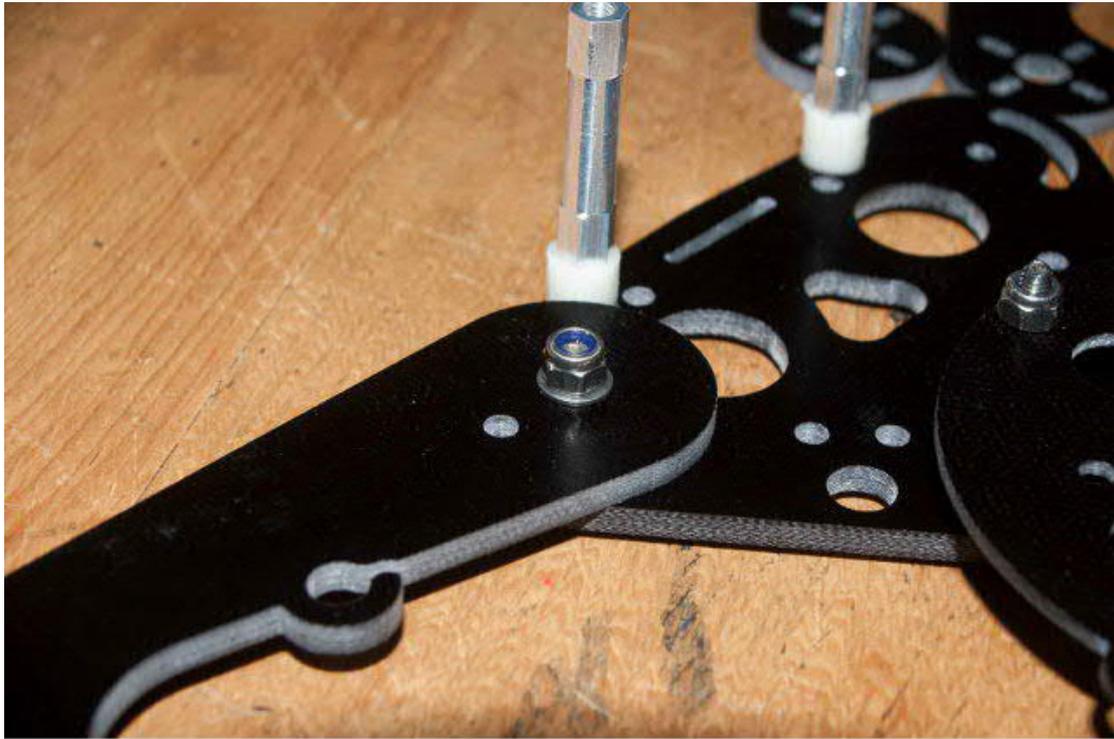
Now to attach the arms.



You will need thumb screws, wing nuts, normal washers, spring washers, 10mm bolts and M3 locknuts.



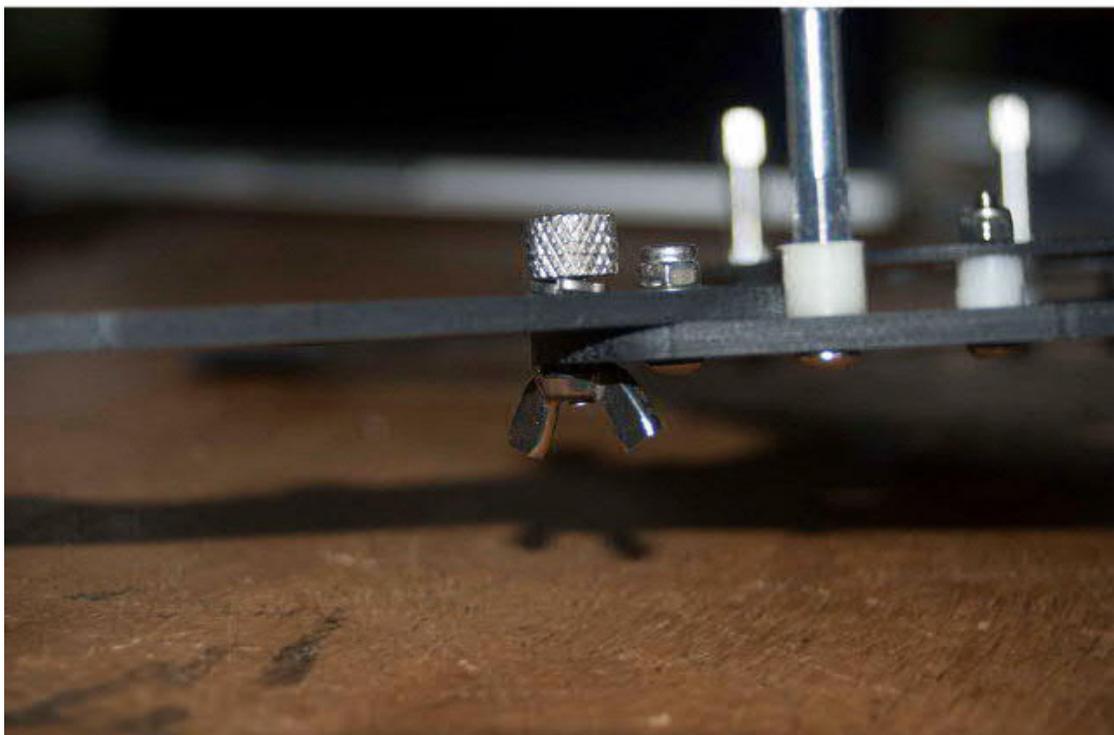
Insert the 10mm bolt through the arm pivot hole then place the arm through 10mm bolt then add a washer then a M3 locknut.



Insert a thumbscrew with a spring washer to the under side of the arm.



Now add a wing nut to the end of the thumbscrew.



Arms are now mounted!



Mount the arms in this orientation, arrow pointing to front of the copter.







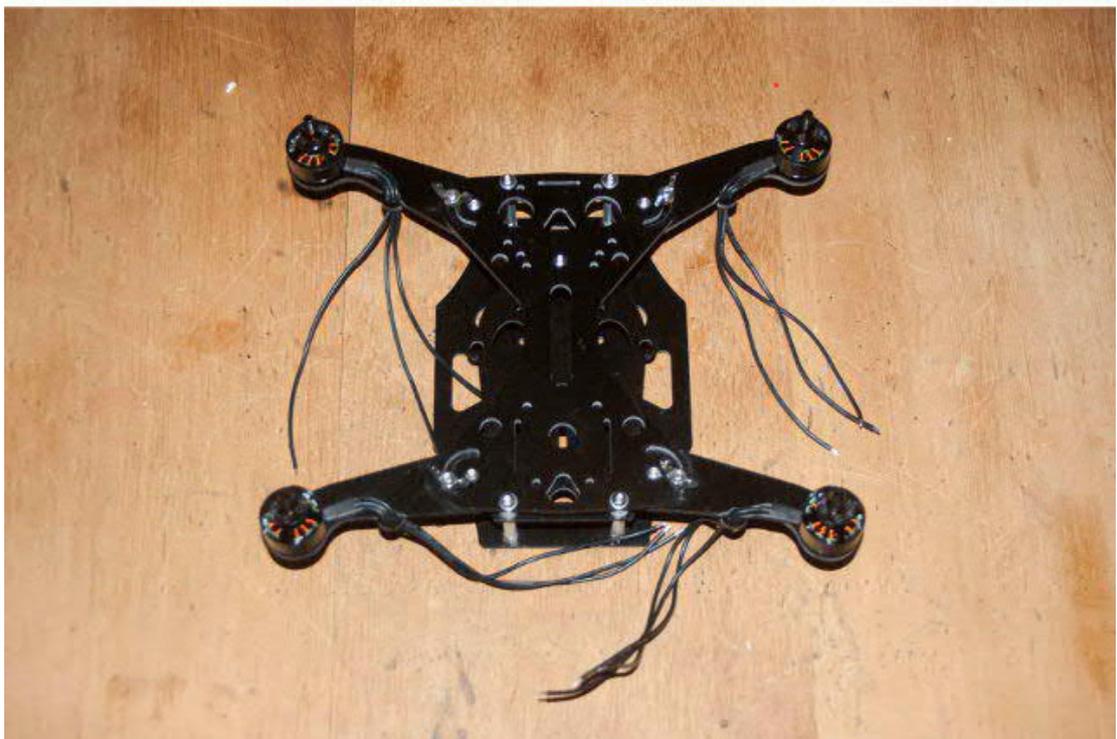


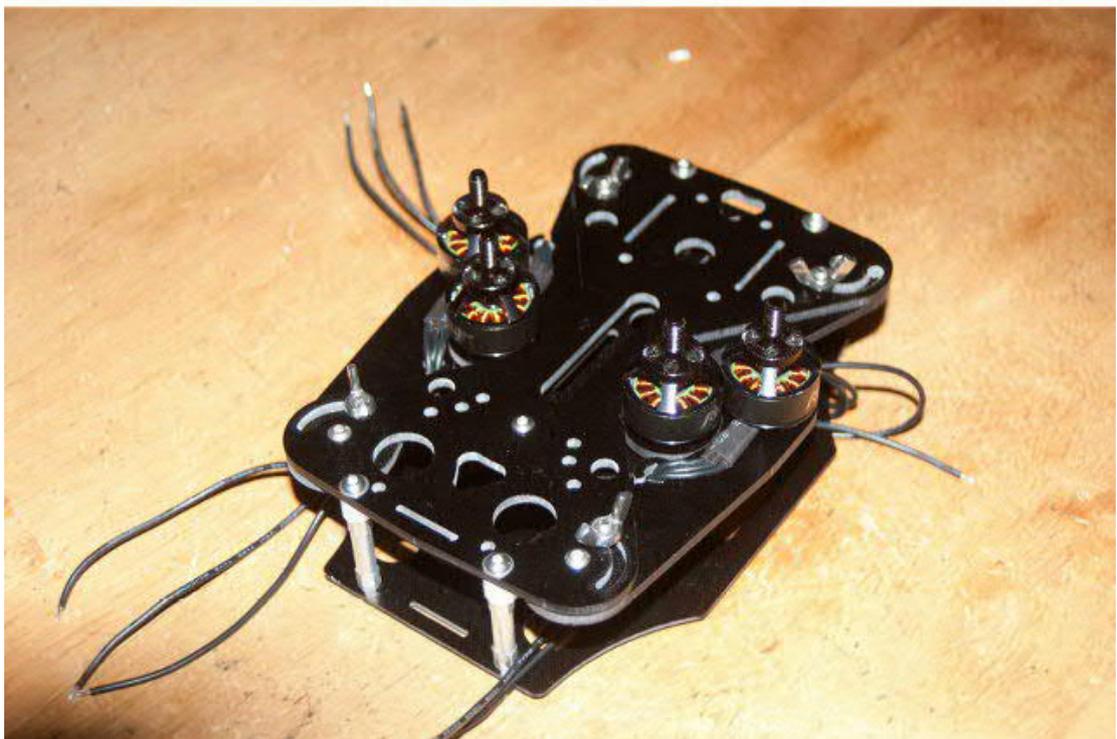
To mount the electronics, remove ESC plate from the frame. Start by mounting the motors.



Use lock tight when mounting the motors.





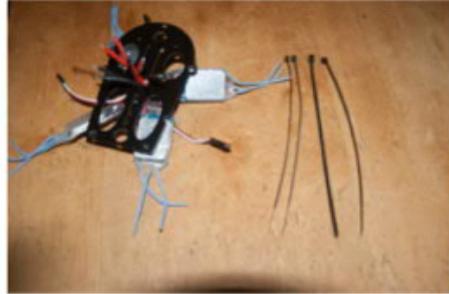


Now to mount the ESCs.

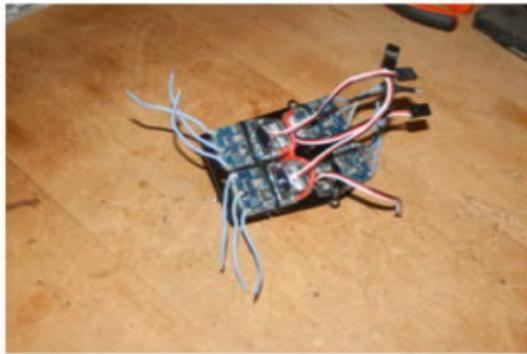
Insert ESC power wires through centre hole



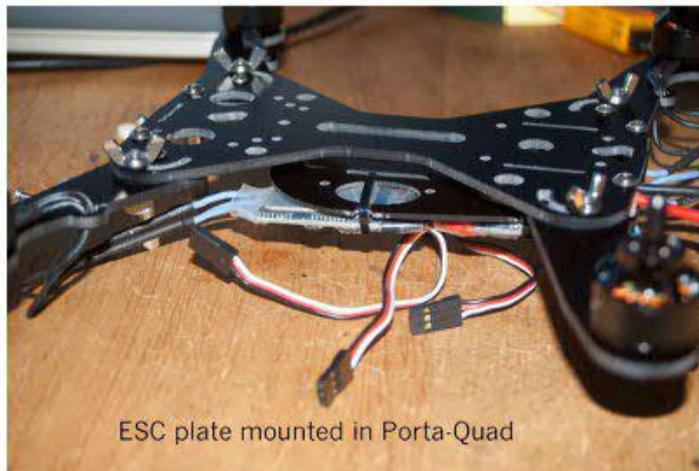
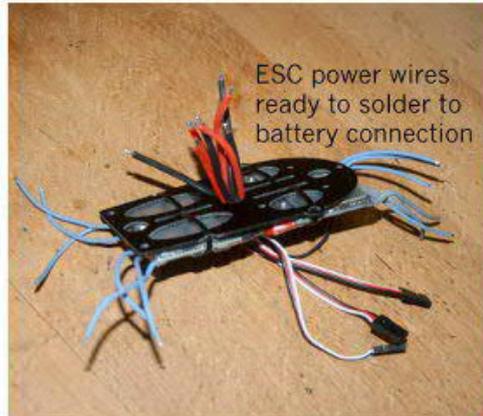
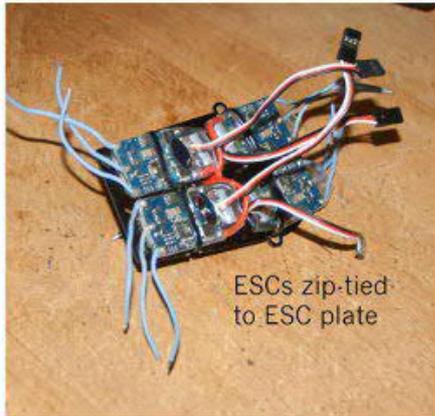
zipties to mount ESC



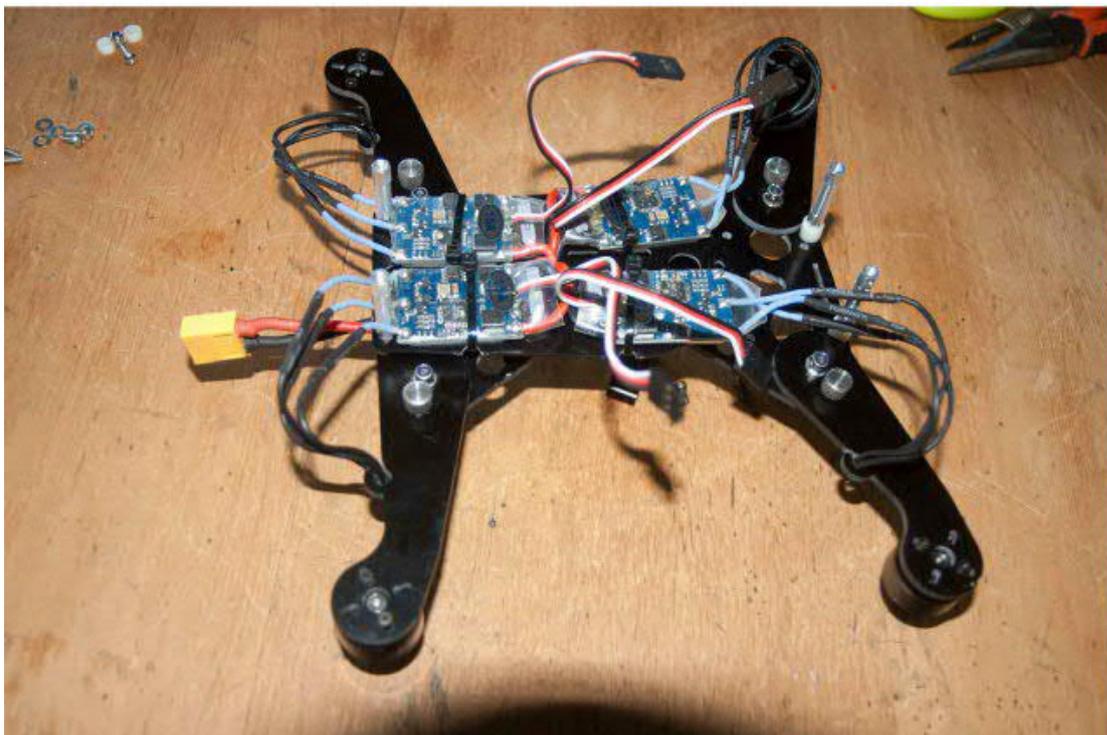
ESCs mounted



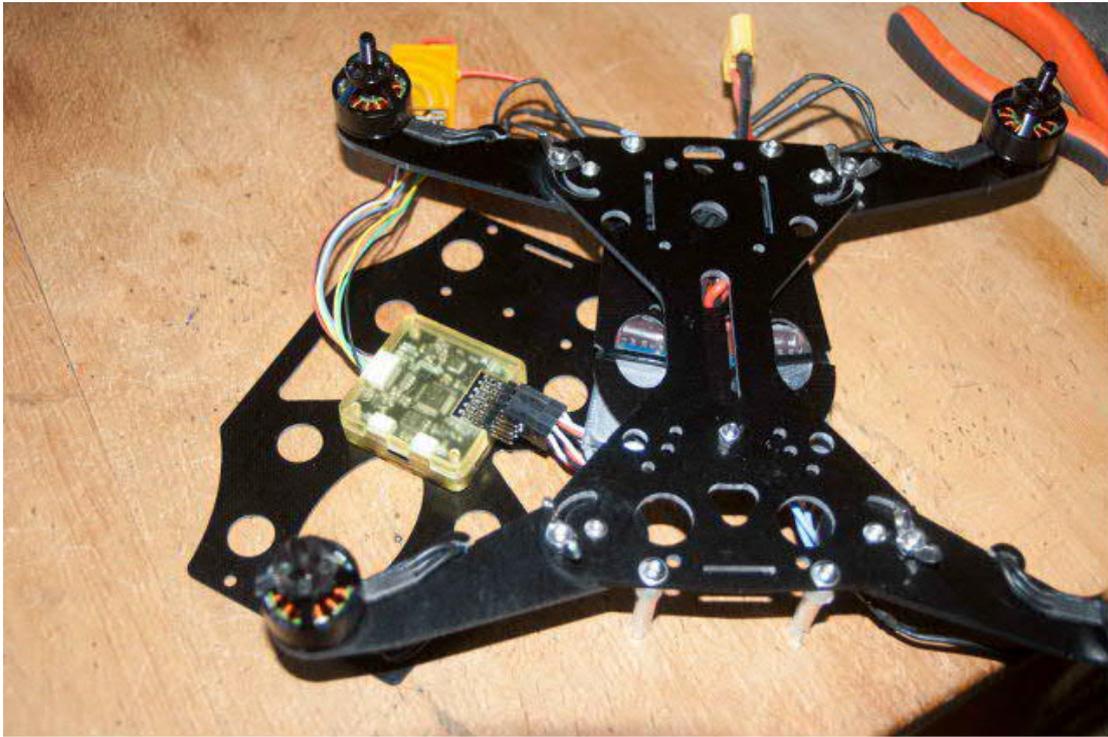
Using the ESC PLATE:



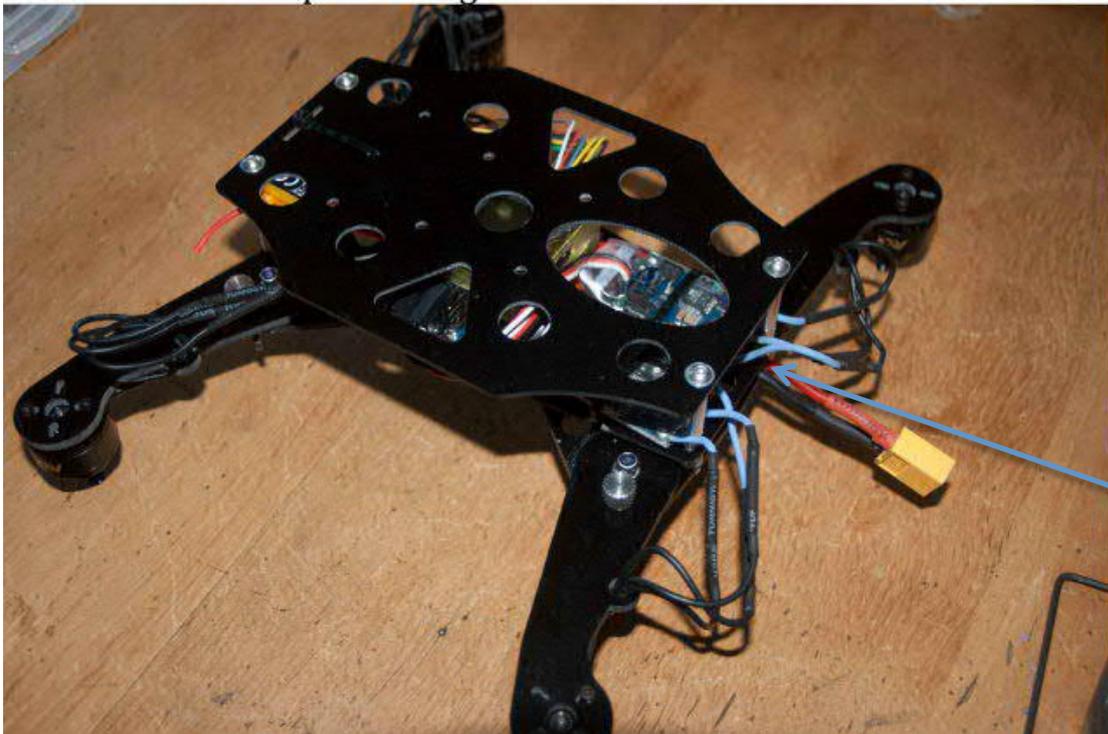
Cut motor and ESC wires to length then add 2mm bullet plugs. I left mine a bit long



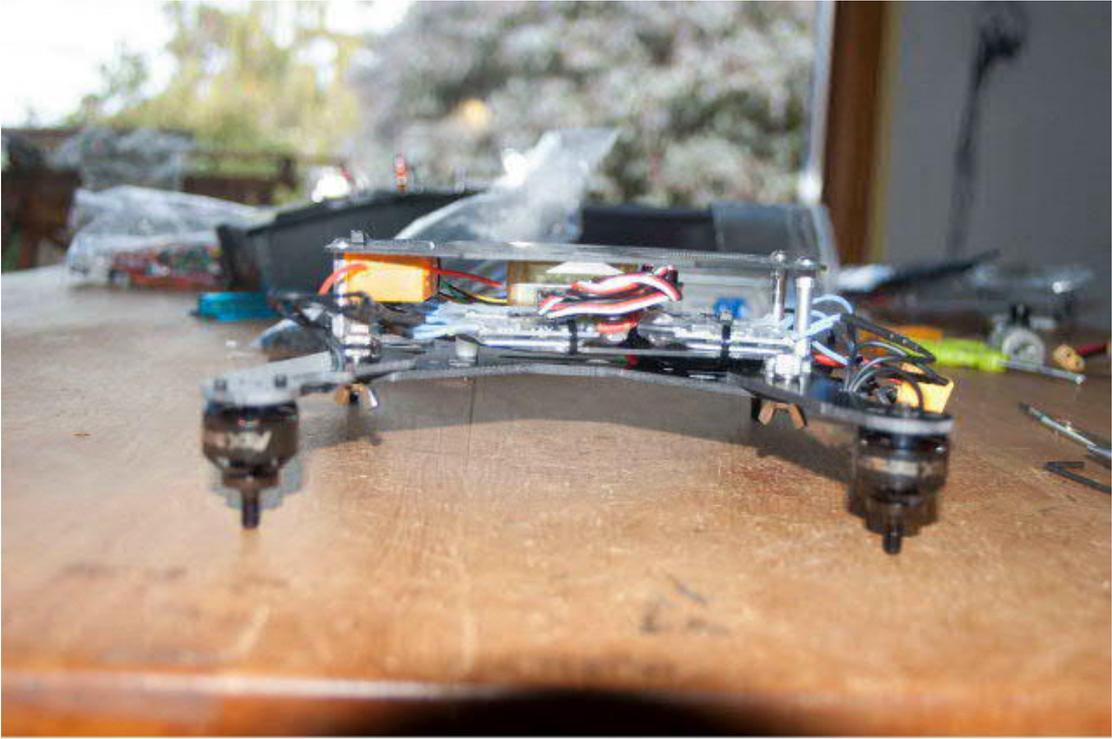
Mount the CC3D (or any other control board) to the bottom plate and connect the ESC wires and the receiver to it.



Mount the bottom plate using the 10mm bolts



Back of qu:







Mount the props and battery (not shown in the picture) and your ready to fly!







In the air!

