



Working with Kraken Polycarbonate Pod

The pod is proving to be very tough, however, being PC some basic guidelines should be followed.

a) Insulate the PC from metal

The analogy is similar to glass and metal. Use a nylon or fiber washer under your nuts, screw heads and aluminum cone washers. This reduces the risk of fine cracks around the hole edge. These fine cracks are unlikely to impact on pod strength but, it we do like our pod to stay looking nice.

b) Dont crush the plastic

It will break if you keep tightening it! You don't have to be delicate but don't crank it up either.

c) Dont Drill the Plastic

Use a very hot soldering iron to make a hole. After that, use a fine dremmel bit to complete the task. If you do drill a hole, use a dremmel or soldering iron to smooth the edge of the hole and remove any small fine cracks in the edge.

d) POD Front Lens

In most cases you will want to remove the front of the snout to see more clearly. Whilst you can remove it all for a clean edge all around, we recommend you don't. The more you leave behind, the stronger it will be.

After you have worked out your preferred angle, remove a small circle until the vision is unobstructed. In other words, only remove what you need to.

e) Sharp Edge

The pod can cut through your wires on an impact. It is rare but it can happen. We recommend that you make your bat pigtail just so long that the middle of your XT60 plug lines up with the rear edge. Any impact is then taken by the XT60 and not the pigtail.

You are welcome to make a small groove or slot on the pod edge to pass your esc wires up to the pdb. This is not required but neither does it impact on the pod strength.

f) VTX Antenna Mount

The flush VTX mount method is one of two preferred methods, it is just brilliant to be honest (thanks Ghost). We recommend the spironet antenna for this mod. Besides being much lighter, it reduces the likelihood of damage to your VTX antenna or POD.

Assuming you have done this mod, for the K6, you can locate the antenna on the centre of the pod 'dimple'. However for the K5, you will need to locate it forward otherwise the prop will strike the antenna.

An easier alternative than the spiro mount is to hang the VTX antenna out the back. We suggest direct soldering the antenna to the VTX. Use a ziptie for strain relief on the VTX antenna stem.



g) FPV Cam Holes

It is highly recommended that pilots weld the camera mount holes in the pod. This involves placing your soldering tip in the cam mount hole for a 1-3 seconds. You want it just long enough to melt the edges but not long enough to make the hole noticeably bigger. A smidge is all that is required.

This takes care of the unlikely event of a micro crack on the edge of the hole that you can't see.

Summary

The PC pod has been an overwhelming success so far. Like all materials, it has its unique properties and should be handled accordingly.