

Hack the Perch

Propeller mounting.....

The guidelines on the manual instruct you to use epoxy to secure the propeller to the motor shaft. This 'Hack' will walk you through melting a nut into the propeller. If done right will allow a firm but changeable way to mount the prop.

Tools

Soldering Iron

Materials

Propeller

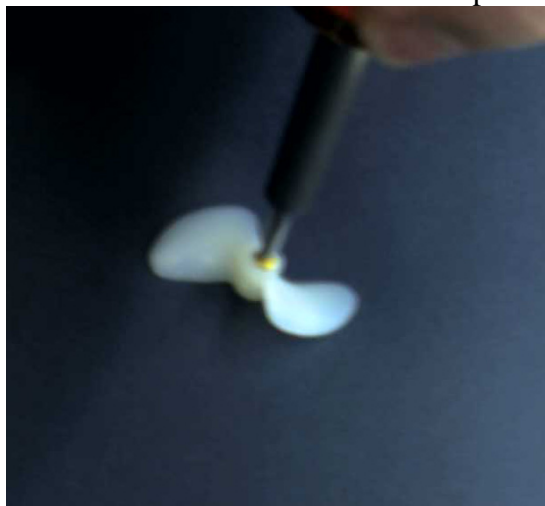
Tiny Nut



The process

The goal of this process is to use the soldering iron to heat the brass nut hot enough to melt the plastic propeller without slaging the entire propeller. In order to heat the nut we will use the soldering iron.

1. Place the propeller on the table with the grooved side up. Place the nut on the top centered. Use the tip of the iron, held as vertically as possible to hold the nut centered as possible as it heats the nut and melts the plastic.



2. Watch it carefully! The plastic is crystal clear when melted and you won't notice it starting. When the nut is flush with the top of the propeller, remove the iron and flip the prop/nut assembly over to cool against the table.
3. Using a small drillbit cleanout the hole in the propeller and install it onto the shaft nut first.

If the nut pops out of the propeller, push it right back into place. No heat is necessary as you already have melted the shaped recess for it.

4. Run it all the way until you run out of threads, then follow it with the other nut. Tighten.
5. Superglue on the final nut will ensure that it won't come loose accidentally