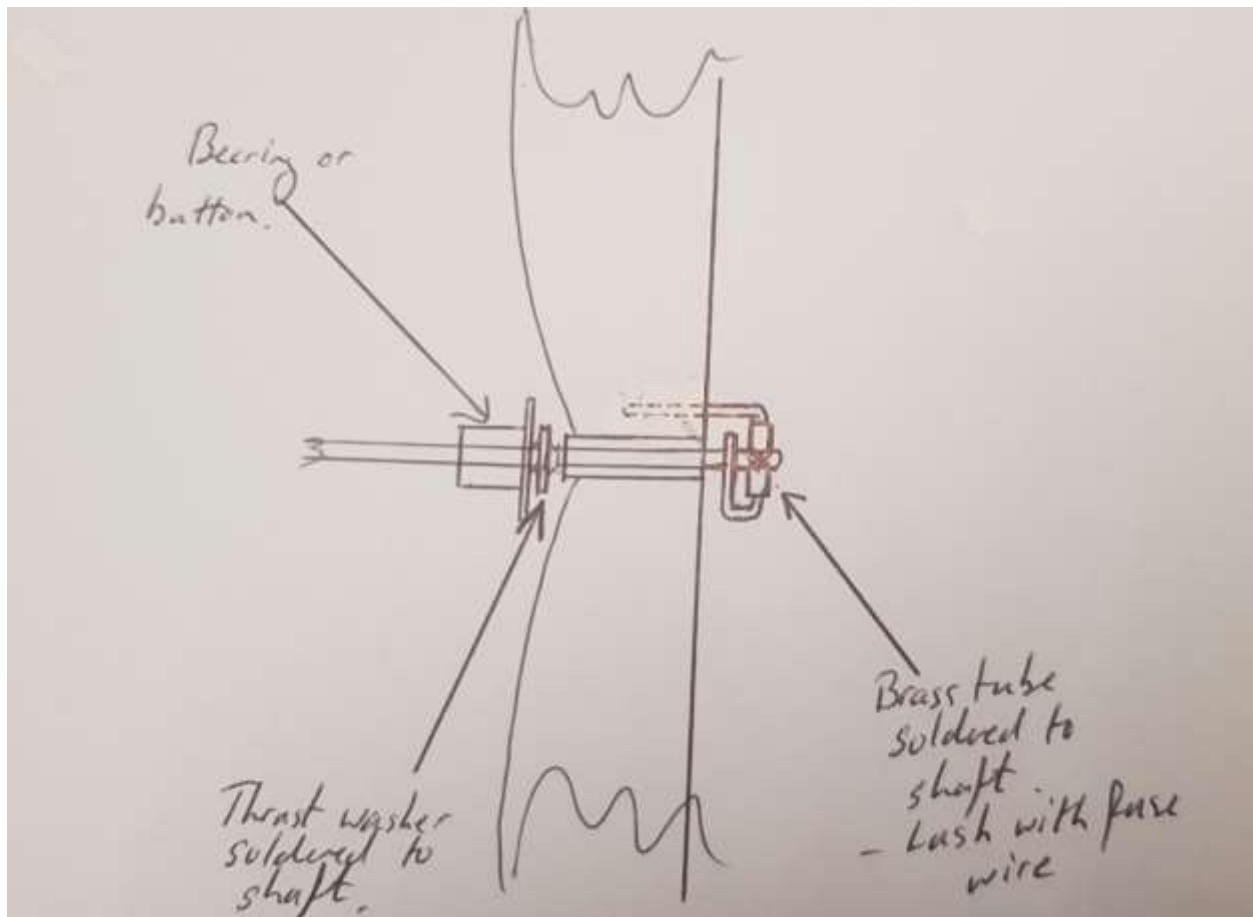


FREE WHEELER FOR PLASTIC PROPS



Just following on here's a ruff-as guts drawing of the freewheel I quite often use for plastic props - I think I may have designed this as I've never seen anyone else do it. Guaranteed to work. Important points are:

1. the washer soldered to the shaft behind the prop which takes all the load. You can obviously have a bead or similar between the button and the washer if you like.
2. The short length of brass tube soldered near the end of the shaft I do a nice little square lash with 5 amp fuse wire. Put a bit of cardboard over the shaft to protect the prop while soldering and rip it out afterwards. Hit it hard and fast with a really hot iron to avoid melting your prop!
3. The prop driver can be something like 22swg on a little model like this - a loose fit in the tube is good
4. The brass tube needs to be real close to the end of the shaft and the prop driver need to have enough clearance to clear the end of the shaft when it flips over

FOUND ON HPA DESIGNED AND POSTED BY ZK-AUD REPLY #129

http://www.hippocketaeronautics.com/hpa_forum/index.php?topic=22543.0