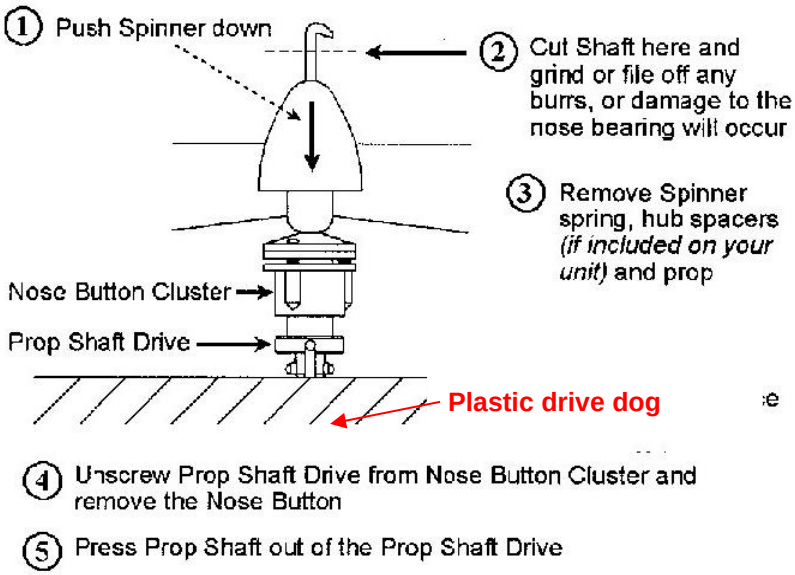
Gizmo Geezer conversion for to handling BIG motors

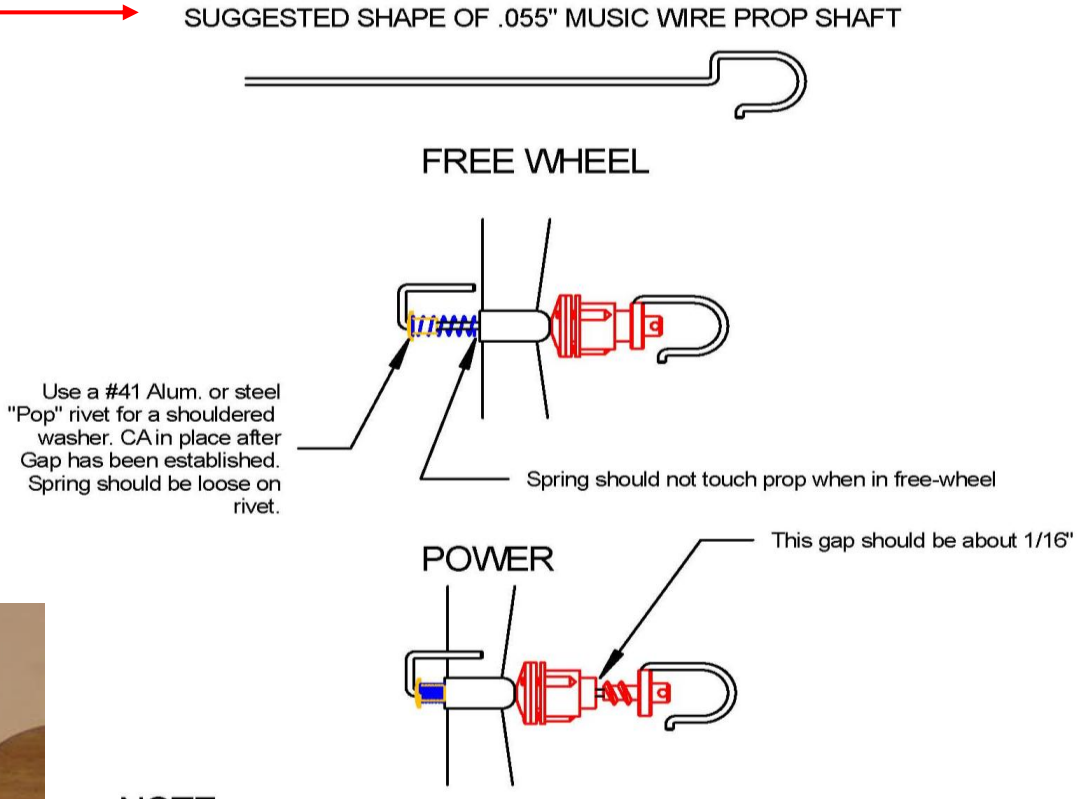
Orv Olm's Gizmo Geezer has legions of satisfied users. In stock form, it can handle up to 8 strands of 1/8 Super Sport with a breaking torque of 20 ounce-inches. One trick that many use to ease the rubber loading procedure is to hang a crocket hook on the rivet of the Gizmo's drive adapter. But don't be fooled into thinking that you can simply load up that crocket with bunches of rubber and go flying. The limiting factor will be the shear strength of the small plastic drive dogs on the bottom end of the prop shaft drive.



Here Orv Olm's rework produces a really stout Gizmo to handle up to 16 strands of 1/8" rubber:

Step 1: Start by debonding the CA in the drive shaft joints at the spinner and at the bottom end of the prop shaft drive. Then follow the instructions in the top right hand picture.

Step 2: Here's how to make Orv Olm's rebuild. Refer to pics at right which show the new drive shaft, 'pop-rivet' adapter and new tension spring made from a steel guitar 'E' string. It will now handle 12-16 strands of 1/8" Super Sport Rubber , and handle up to 56 oz-in. of breaking torque.



Modified GizmoGeezer, mounting a 12' prop with an adjustable pitch hub

NOTE:
A heavier tension spring must be wound to support the larger motor. Experiment with a .011" or .012" guitar E string wire. Springs may be exchanged by threading them onto the prop shaft after assembly. Spring should be about 1/8" I.D. by 3/8" long with 8 to 9 turns.