

## TIP 75 — Removable Tach Sensor/Cary Millsap

Putting together my new lathe over the Christmas break, I decided to fix a problem that has been bugging me ever since I bought the Thread Cutting Attachment several years ago. As you know, the tach sensor has to be removed to install the spindle gear. Unscrewing the little sheet metal screw and then, after I'm done threading, re-screwing it into the plastic inner belt guard just feels wrong, so I installed a permanent #6-32 screw from the inside of the inner belt guard.



Figure 1 — I drilled (#36) and tapped (#6-32) the hole.



Figure 2 — Then installed a #6-32 x  $\frac{3}{8}$ " machine screw with an internal star lock washer.



Figure 3 — Now, I have a #6-32 post where I can secure the tach sensor with a knurled thumb nut.

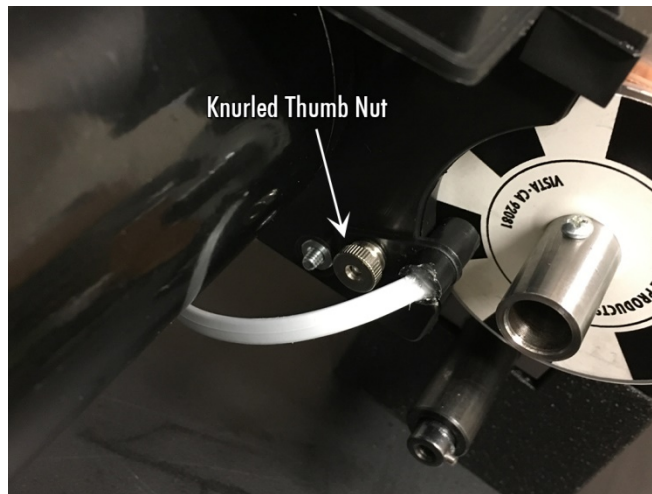


Figure 4 — Removing and replacing the tach sensor is easy, and now it feels like I'm doing it the right way.