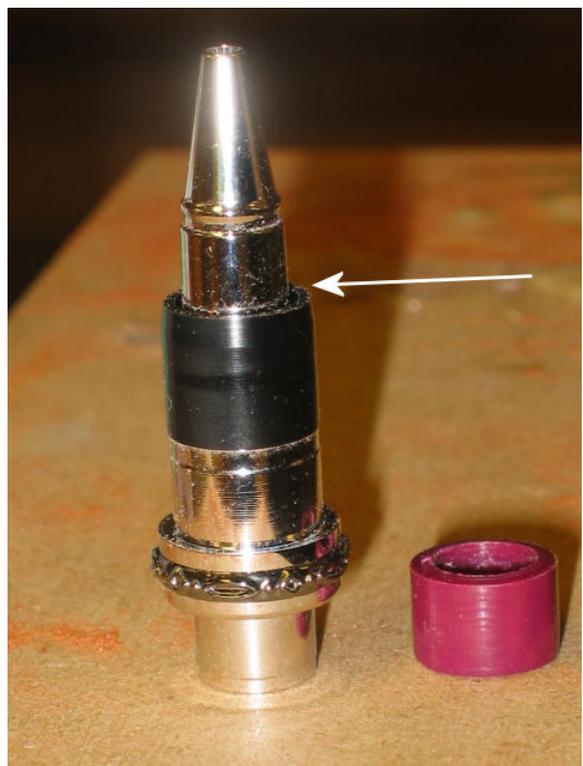


Improving a jr Statesman/Gentleman v2

The new jr Statesman/Gentleman is an improvement over the original in some important ways, but in one area it is worse than its predecessor: the cap threads don't pre-align quite as well any more. You have to make sure the pen is inserted straight, or the threads won't properly engage. It's probably hard to actually cross-thread, because the cap threads are made from a fairly hard plastic, but I find it's not a sign of quality if you need to fuss with a pen to close it. And totally non-acceptable in a high-end pen like the jr Statesman! Here is my solution to the problem, it may be applicable to other pen models also, of course. The first picture shows both the center parts and grip section of a jrS. The parts center coupling is not screwed together, so this is the situation you have when you start closing the pen. Note at the arrow there is a large gap, which means the pen can wiggle around. To start the thread, it HAS to be aligned.

The idea is to take up the slack in the tube with a spacer ring that forces the grip to be aligned at the start of the thread. In the second picture the coupling is screwed together. You see the grip section protrudes quite a bit more. Measure the diameter as it protrudes from the coupling and select an appropriate size drill bit. Here, a $\frac{21}{64}$ " bit is the right size.



Chuck up something appropriate and drill $21/64$ ". Here I use a plastic blank I don't much care for. Anything goes – the next picture uses the top from an old glue bottle.



After drilling, support the end with a center and turn to size for a slip or press fit in the cap tube. I prefer a slip fit and a little epoxy, then I don't have to work quite as precisely ☺



You can work with calipers, or the analog way – just test fit until it works 😊



Here is the spacer ring on the loose center coupling. There is very little space where the section protrudes from the cap fitting – excellent. The second picture shows another ring, this time with the coupling in the closed position. So now a little epoxy is applied inside the cap tube where the spacer will sit. The spacer is inserted first, then the center coupling pushes it up into its final position



Well, the big question is, of course:: how well does it work? No way to show this in a picture, but it's perfect, 100% success! This is how all future jrSs (and jrGs) will go together for me – until the design is fixed ☺

I will even disassemble the ones I already made, it's worth it!



Questions or comments? Email me! woodnpen@optonline.net

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