

Assembly Instructions for the Mechanics Pen Inlay Kit

There's a total of 10 pieces in this kit. The woods used are Koa, Quilted Maple and Blackwood. 3 of the pieces are made from Silver Metallic resin. We'll start by sliding the brass tube from the pen kit into the Quilted Maple barrel. This will help



align the pieces during assembly. Insert the gasket first. Hold this in place with one of the supplied elastic bands. (Pic 1.) There's no particular order for the rest of the pieces however when you're inserting the 2 background maple discs into the center of the gasket and the connecting rod hole make sure you align the engraved pattern (flywheel drawing) on the disc with the surrounding pattern. Temporarily secure all positioned pieces with the supplied elastic bands. Once all pieces are in place, carefully slide out the brass tube and apply thin CA to all the seams to lock everything together.. Don't worry about gluing the elastic bands as they will be turned away on the lathe.



Once the thin CA has completely cured we're going to glue in the brass tube. Check the fit to see if you need to sand the inside of the barrel for the brass tube to fit smoothly. If you do, wrap a piece of sandpaper (100G-150G) around a small dowel and sand the inside until the brass tube fits smoothly. Scuff up the brass tube with 100G sandpaper before gluing. I prefer 2-part epoxy to glue the brass tube in place. Never use polyurethane (Gorilla) glue with these inlay kits as the expansion while curing could seep through the glue joints of the inlay. Insert



the brass tube so that the flywheel is centered. Once all glue has cured, sand the ends flush to the brass tube (don't use a barrel trimmer) and mount on the lathe for turning and finishing. E-mail me at kallenshaan@cox.net with any questions about this or any of our laser cut inlay kits.