

## Basic Assembly Instructions for the Flag of Israel Pen Inlay Kit

Insert the blue star into the recess in the natural maple turned barrel before gluing in the brass tube. I use the end of an Exacto knife as a hammer to fully seat the star into position. Fit the 6-sided natural maple center next. Now comes the fun part. The 6 small triangles that fit in the points of the star are tough to get a handle on. I use the point of a very sharp #11 exacto blade to pick them up with.



Once it's in position, you can press it partially into the recess using the flat side of the blade. Tap it home with the other end of the exacto knife. I've included two extra triangle pieces for obvious reasons. If you use up all eight and still have unfilled recesses, you have two options. The first option is to e-mail me for replacements. Never any charge for these. The second option is to mix up a small amount of fine maple sawdust with a bit of thinned yellow glue and fill the recesses with that. No one will ever know. (Except you!) When all the star pieces are in position and seated, flood the area with CA glue. When that has cured, center and glue the cylinder onto the upper brass tube.

If the tube doesn't slide into the cylinder easily, wrap a piece of 220G sandpaper around the lower brass tube from your pen kit and sand the inside of the maple cylinder to smooth over any of the CA residue. 2-part epoxy is the way to go for gluing the cylinder to the brass tube. Stay away from Polyurethane glue as the foaming action could possibly seep through the inlay work. Once the glue has dried, mount the assembly on a mandrel and put it on the lathe to square up the ends of the maple cylinder and to clean any dried glue from the exposed brass tube. To complete the upper barrel we've got to glue the four pieces of blue and natural maple onto the ends of the barrel. Sand the faces using a sanding block to ensure a flush fit over the brass tube. Apply 2-part epoxy to the tube as well as the faces of all mating pieces and clamp. Once the assembly is dry, sand the ends flush with the ends of the brass tube. Don't use a barrel trimmer for this. Drill out the lower barrel, (does not apply for the Sierra kit) glue in your brass tube and mount both barrels on the lathe for turning and finishing.



Any comments about this or suggestions for any future fits can be e-mailed to Ken at:

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