

# Xiamen Rizheng Industry Co.,Ltd

## Screwdriver Stylus Pen Kits Assembly Instructions

### Required Accessories

- 7mm pen mandrel
- 4-piece Bushing Set RZ-BPTS327#-BU
- 11/32" drill bit RZ-DB11/32
- Barrel Trimmer
- Live Tailstock Center
- Glue (Thick CA or Epoxy)



### Preparing the Blank

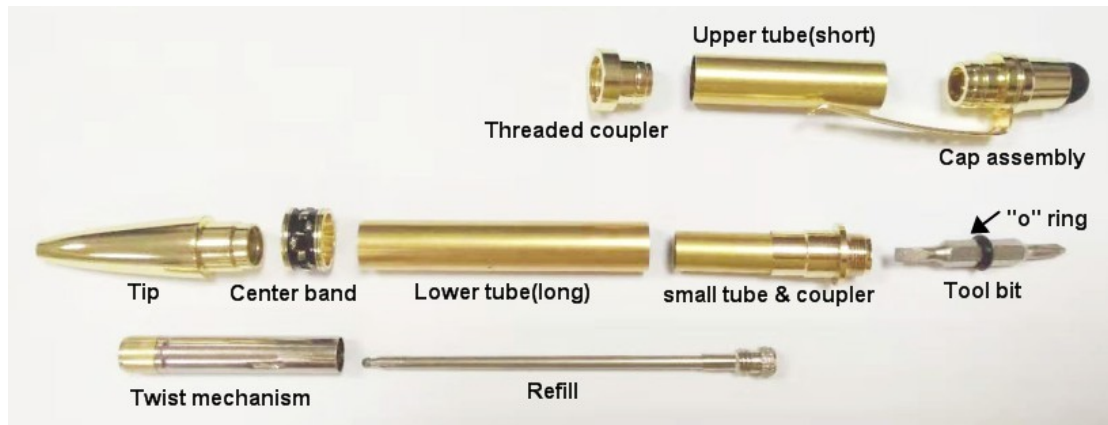
- Cut 2 blanks to the length of the tube and add 1/16" for squaring off.
- Drill two 11/32" holes lengthwise through the blank.
- Spread glue over the tubes, insert the blank with a twisting motion to spread the glue evenly inside.
- Center the tube lengthwise inside the blank.
- When the glue is dry, square the ends of the blank. Use a barrel trimmer, or a universal pen blank squaring jig with a power disc sander. Take the excess material down flush with the ends of the brass tube. (do not trim beyond the length of the tube since this may interfere with operation of the mechanism and assembly). Use a barrel trimmer to clean the inside of the tube.



### Turning the Blank

- Mount the bushings and blank according the diagram above.
- Thread on the knurled nut and hand tighten to hold all components in place.
- Slide the tailstock up snugly against the mandrel shaft inserting the live center point into the mandrel dimple, lock in place.
- Hand tighten the quill adjustment to firm up the mandrel. (DO NOT overtighten, it could damage the mandrel.
- Using sharp tools, turn the blank down close to the bushing diameter. Turn the barrel (straight or to a profile of your choice)
- Sand the blank down to be flush with the bushings gradually increasing the sandpaper grits.
- Finish the barrel with your choice of polish. Allow sufficient time for the polish to cure.

### Diagram A



## Assembly

NOTE: Layout Finished parts according to Diagram A

- Press the Threaded coupler into either end of the Upper tube(short).
- Press the Cap assembly into the other end of the Upper tube(short).
- Press the small tube & coupler into either end of the Lower tube(long).
- Press the Twist mechanism into the Tip in place.
- Affix the Center band into end of the Tip, then screw the Refill into the twist mechanism.
- By hand, slide the Tip assembly into the end of the Lower tube(long).
- Push the Tool bit with "O" ring into the small tube & coupler by hand.
- Screw the two halves of the pen. The pen operates by twisting the ends to advance or retract the refill for writing.