

Big Ben Cigar Pen Kit

Kit Features:

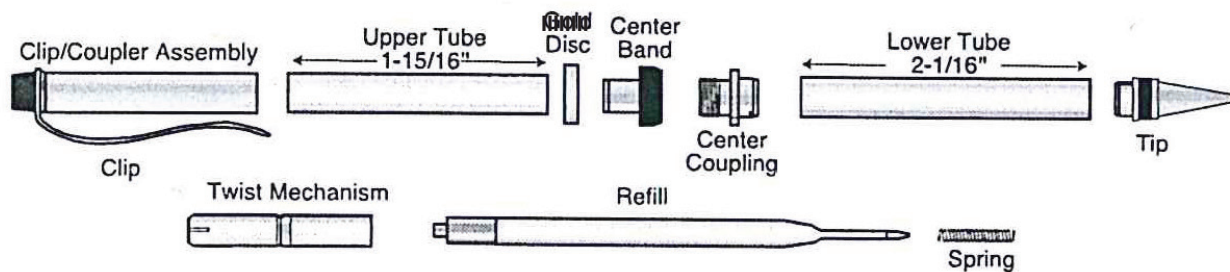
- Smooth twist operation.
- Heavy weight, elegant design.
- Pen uses Parker® type ballpoint refill.
- Overall length: 5-5/8".

Required Accessories:

- 7mm, Long Mandrel.
- 3 Pc. Pen Bushing Set #PKBIG-BU.
- 10mm Drill Bit: #PK10-10.
- 10mm Barrel Trimmer #PK-TRIM10 (optional)
- 2 Part Epoxy Glue or Insta-Cure (cyanoacrylate).



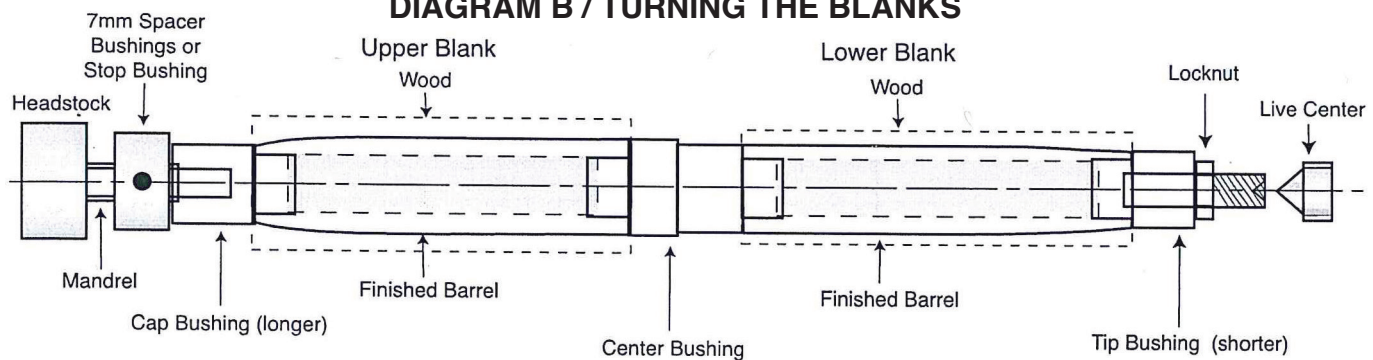
DIAGRAM A / PARTS LAYOUT



Preparing the Blank:

- Cut 3/4" square blank to the length of the brass tube (add 1/16" for squaring off).
- Drill a 10mm center hole, lengthwise through the blanks.
- Spread the glue over the tube. Insert the tube into the blank with a twisting motion to spread the glue evenly inside. Center the tube lengthwise inside the blank.
- When the glue dries, square the ends of the blank. Use a 10mm barrel trimmer or a belt / disc sander to trim the wood down flush to the end of the brass tube.

DIAGRAM B / TURNING THE BLANKS



Turning the Blank

Place the stop bushing, or 7mm spacer bushings, onto the mandrel hand tight. Next, place the cap bushing (longer) wide dia. in first, on the mandrel. Slide on the upper blank, (shorter) then place the center bushing (wide dia. first) on the mandrel. Slide on the lower blank (longer) and follow with the tip bushing (shorter). Thread on the lock nut hand tight. Bring the tail stock snug with the mandrel. (Do not overtighten, it could damage the mandrel)

- Slide the stop bushing toward the blank, adjusting to remove spaces. Then tighten the set screw, and tighten the lock nut.
- Using a lathe chisel, turn the blank down flush with the bushings. Taper the ends of the blanks (follow Diagram B for a suggested profile) to conform with cap and tip bushings. Finish the blank with gradual higher grits of sand paper and your choice of polish and waxes.

PEN ASSEMBLY

*NOTE: In most cases, tip and clip/coupler parts will be furnished assembled.
Be sure assembly is screwed together tightly.*

- Line up finished parts according to Diagram C.

- Place the refill with spring inside barrel.
- Screw the twist mechanism over the refill onto the coupler to the end.

Upper Barrel

- Press clip/coupler assembly into the tapered end of the barrel.
- Place gold disc over center band and press into opposite side.

Lower Barrel

- Press tip assembly into the tapered (smaller) end of the barrel.
- Press the coupling, recessed end in first, into the opposite end.

Final Assembly

- Engage both barrels. Slide the twist mechanism inside, until parts are connected.
- The pen operates by twisting the two halves to extend or retract the refill.

Diagram C / Assembly

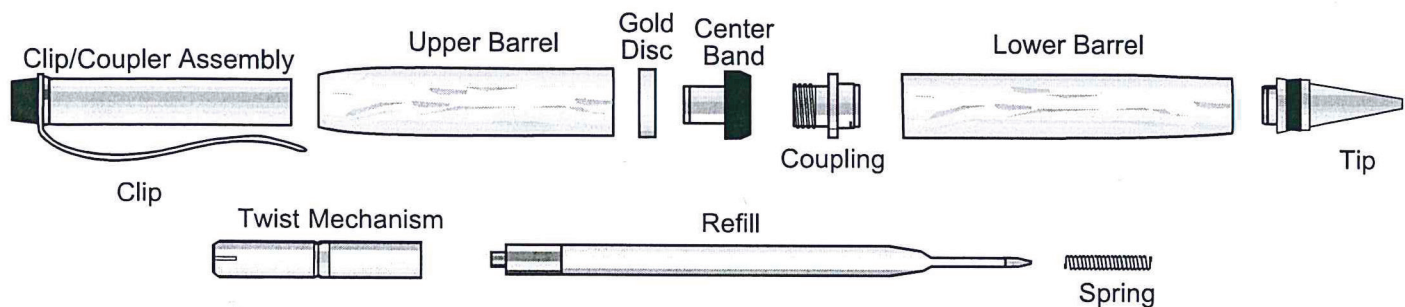


Diagram D / Bushings #PKBIG-BU

