

ITEM #PKCOMBO2
Combo Pen/Pencil Kit

**Revised
 12/2004**

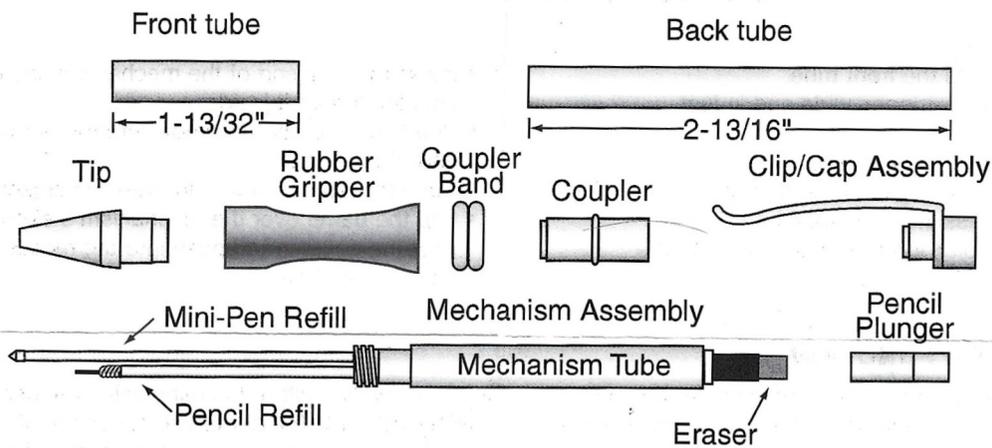
KIT FEATURES

- 24 karat gold plating/epoxy coating
- Kit is designed to provide the convenience of a pen and pencil combined
- Easy to operate. One hand click pencil. Just twist to switch from pen to pencil.
- Uses soft rubber writing grip or can be all wood.
- Pen uses mini refill # PKMINI-R5
- Pencil uses .7mm lead. Eraser included.
- Overall length: 5-3/4"

REQUIRED ACCESSORIES

- 7mm mandrel
- 3-piece bushing set #PKCOMBO-BU (use only 2 bushings when using rubber gripper) or all 3 for wood.
- 3/8" drill bit #PKEXEC-3/8
- Universal pen blank squaring jig #PKSQUARE or belt/disc sander
- 2-part epoxy glue, polyurethane glue, or insta-cure (cyanoacrylate) glue

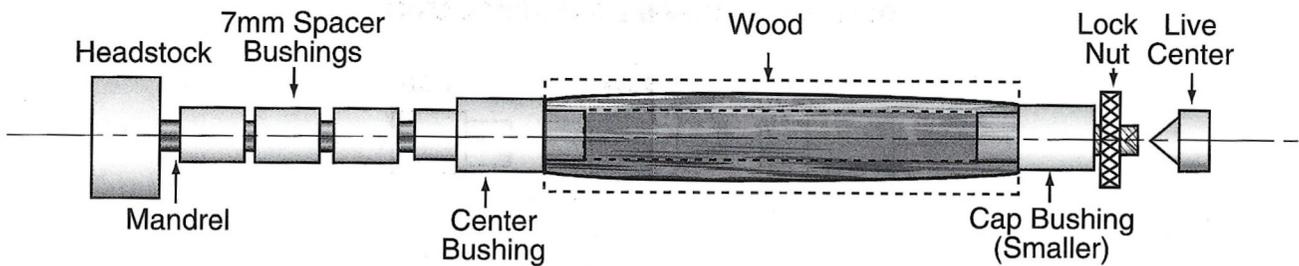
Diagram A - Parts List



PREPARING THE BLANK

Note: If you want to substitute wood for the rubber gripper, use all 3 bushings. Otherwise, do not use the tip bushing. These instructions are for the using the rubber gripper.

Diagram B - Turning the Blank



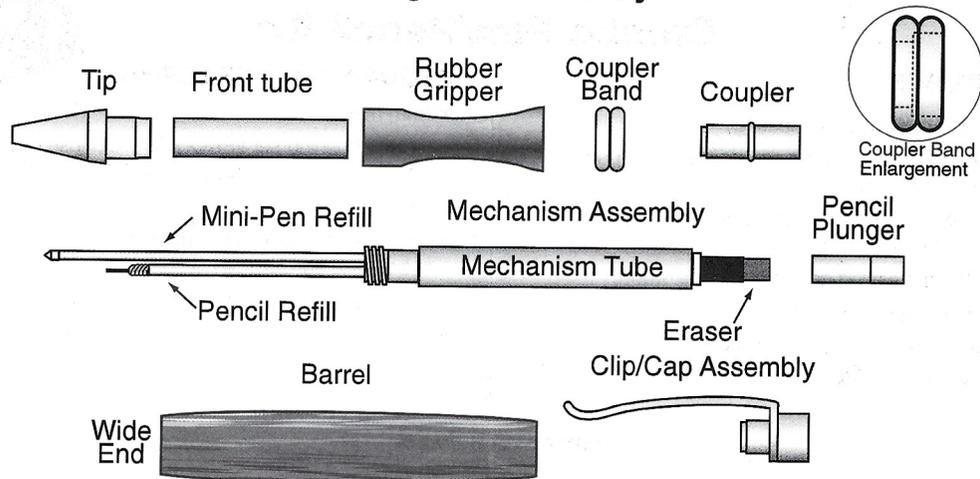
TURNING THE BLANK

- Place three or four standard 7mm bushings onto the mandrel, followed by the center bushing, the wood blank and lastly the cap bushing (the smallest in the set). Use additional bushings to fill the space on the shaft up to the threads.
- Hand tighten the lock nut to hold all items in place.
- Slide the tail stock snug to the mandrel shaft, (do not

over tighten, it could damage the mandrel). Lock in place.

- Turn the wood down, flush with the bushings using lathe tools and gradual higher grits of sandpaper.
- Sand the wood and finish with friction polish or use PSI clear hi-gloss project finish #HGPF off the lathe for a brilliant finish.

Diagram C - Assembly



ASSEMBLY

- Press the tip into the front tube.
- Insert the rubber gripper, wide end in first, over the tube.
- Slide the coupler band over the long end of the coupler to the shoulder. Make sure the shoulder fits inside the recess in the coupler band.
- Press the coupler, long recessed end into the opposite end of the brass tube.
- Insert the refill end of the mechanism assembly into the coupler, thread it inside.
- Press the clip/cap assembly into the narrow diameter end of the barrel.
- Push the pencil plunger in, over the eraser.
- Slip the barrel over the mechanism's exposed tube, past the coupler and push into the recess in the double ring coupler band.

MECHANISM FUNCTION

The mechanism has three positions. In the center position, both writing elements are concealed. Twisting the upper barrel clockwise will expose the pen tip. Twisting the upper barrel counter clockwise will expose the pencil tip. While the pencil tip is exposed, clicking the pencil plunger gently will advance the lead. By pressing and holding the plunger down, the lead can be pushed back inside the mechanism.

To replace either the mini refill, or reload the pencil with lead, slide the barrel/cap assembly off. Unscrew the mechanism assembly brass tube and pull the mechanism out. Pull the mini refill out and replace with a new one. Pull the pencil element out, drop in 0.7 mm lead and insert back into the mechanism and assemble as before. Click on the plunger and the self feed mechanism will gradually expose the lead. When done using the pencil, retract the lead and twist to a neutral position.

Diagram D - Bushing Set #PKCOMBO

