7mm Pen Disassembly Tool Instructions

The 7mm disassembly kit was specifically designed for regular and cross style 7mm pen kits, but may also be used for other 7mm bore pen kits like the Mont Blanc Style kits. The kit consists of three components, one small diameter rod (B) which is utilized to remove the pen nib, one thick diameter rod (C) for removal of the pen cap, and a round, conical ended twist mechanism removal tool (A).

Nib Removal
1. Remove the top and center ring from the pen and unthread/remove the pen refill from the twist mechanism. Insert the small diameter rod (B) into the bottom of the pen, “feeding” it through the center hole of the twist mechanism until the rod “bottoms” in the nib. The small diameter rod is fed into the twist mechanism just as if it is a pen refill.
2. While firmly holding the pen bottom in your hand tap the end of the rod with a mallet or block of wood until the nib is removed (see photo 1 below).

Twist Mechanism Removal
1. With the nib removed from the pen bottom, insert the thick diameter rod (C) into the nib end of the pen until it bottoms out on the twist mechanism.
2. Insert the twist mechanism into the hole in the conical end of the round twist mechanism removal tool (A) until the tool seats against the pen blank. To avoid damaging the wood of the pen bottom ensure the conical end rests against the brass tube, not the wood covering of the tube.
3. With the thick rod and twist mechanism removal tool held into position, place this entire assembly into a vise or similar clamping device. Gently begin closing the vise so that the rod presses the twist mechanism out of the pen tube and into the hollow center of the twist mechanism removal tool (see photo 2 below).

Cap Removal
1. Insert the thick diameter rod (C) into the pen top until the rod “bottoms” against the pen cap. While firmly holding the pen top in your hand tap the end of the rod with a mallet or block of wood until the cap is removed (see photo 3 below).

10mm Pen Disassembly Tool Instructions

The 10mm disassembly tool kit is specifically designed for Presidential and Executive series roller ball and fountain pen kits. The kit consists of two components, one thick diameter rod (A) and one threaded coupler/cap removal rod (B).

Cap Removal
1. Remove the pen top from the pen and insert a flat bladed screwdriver into the white plastic nib cap inside the pen top. Turn the white plastic nib cap counter clockwise and remove it from the pen top.
2. One end of the threaded coupler/cap removal rod (B) has a small hole bored in it. Insert this end of the threaded coupler/cap removal rod into the pen top so that the stud of the cap slides into the hole (see photo 4 below).
3. While firmly holding the pen top in your hand, gently tap the end of the rod with a mallet or block of wood until the cap is removed. The pen clip may now be removed if necessary.

Coupler Removal
1. Remove the Fountain Nib or Roller Ball Refill and Roller Ball Nib from the pen bottom.
2. Remove the second gold coupler from the pen bottom in the same manner as described for the pen cap (see photo 5 below).
3. Screw the threaded end of the threaded coupler/cap removal rod (B) into the gold coupler. Insert the thick diameter rod (A) into the opposite end of the pen bottom, ensuring the rod seats against the end of the threaded rod previously threaded into the gold coupler (see photo 6 below).
4. While firmly holding the pen bottom in your hand, gently tap the end of the thick diameter rod (A) with a mallet or block of wood, which in turn will drive the threaded rod/coupler from the pen bottom.

NOTE:

Ease of nib/cap removal is dependent on the tightness of the original press fit. For an extremely tight press fit it may be necessary to tap the rod for some time in order to loosen the nib/cap enough for removal.

When using these tools we noticed that “sweaty palms” often made it difficult to hold the piece securely when tapping either the nib or cap out.

Rubber gloves or something similar which will permit a better grip of the pen barrel is often helpful.