

Removing a Transmission

Contributed by: Bill Bettag

A.K.A "Wood Butcher"



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Removing a Transmission

By Bill Bettag AKA Wood Butcher

What pen maker hasn't wished they could remove the tranny from a 7mm pen to reset it or to reuse it for another design? I have, and usually tried pounding the thing out or just clamping it in a vise and yanking it out then getting a new transmission. Well I just figured out how to remove the transmission without a hammer and with very little effort.



- The first thing needed is the 28 pc Transfer Punch set #3577 selling for \$9.99 at Harbor Freight.
- A Small Hammer to knockout the Nib only.

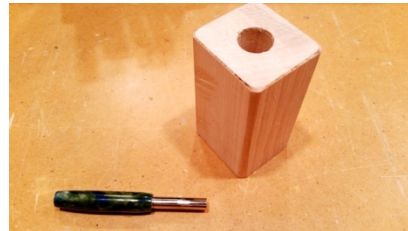
To begin, disassemble the pen this far and remove the ink refill.



Using the 1/8" dia. transfer punch and hammer, knockout the Nib by going through the transmission.



Use a small block of hardwood drill a 5/8" hole about 1 1/2" deep and then drill a 1/4" hole the same depth through to the center of the first hole.



Use a small dowel wrapped with sandpaper to smooth the hole if required. Then insert the transmission into the 1/4" hole.



Use a drill chuck in the tail stock and install the 15/64" transfer punch, flat end out.

Slide the tail stock with transfer punch into the Nib end of the pen till it contacts the transmission in the head stock.



Almost finished; Lock the tail stock with the block against the head of the lathe and begin cranking the quill. When you get to where the cranking resistance loosens up the transmission has been removed. You will usually find it in the 1/4" hole and it can be pushed out easily.



So there you have it. Hope it helps someone.