

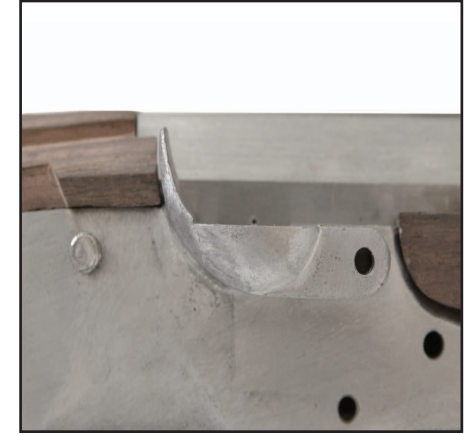
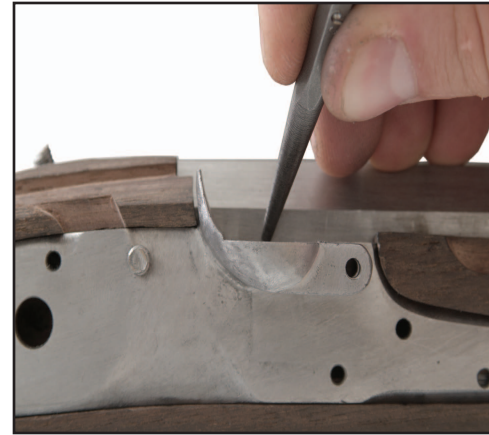
# Instructions for Drilling a Touch Hole.



**Tools:** Centerpunch, #1 centerdrill,  
1/16" drill bit, drill press.



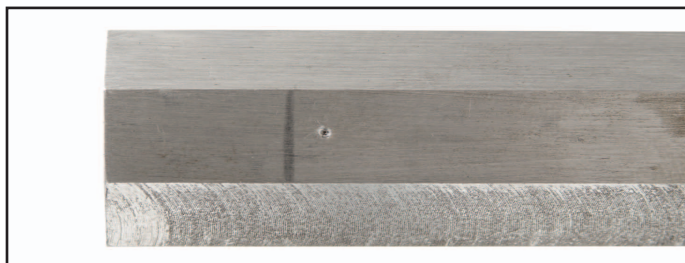
**Figure 1.**



**Figure 2.**

**Figure 1.** You must have your lock plate installed against the side flat of the barrel. Secure the lock plate with the lock bolts.

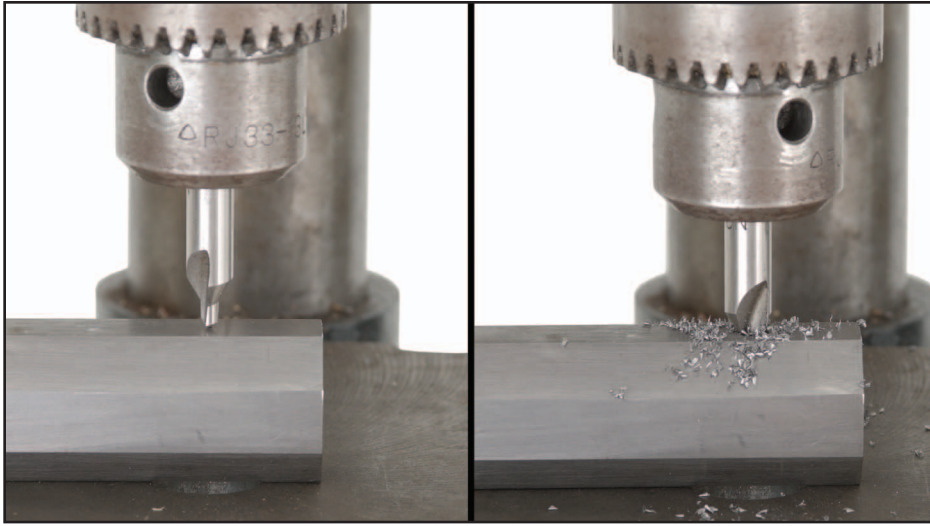
**Figure 2.** Center punch the touch hole location. The mark should be at the center of the pan, even with the top edge. Hold your punch as perpendicular to the barrel as possible. The center punched mark should appear as shown when viewed directly from the side.



**Figure 3.**

**Figure 3.** Locate the face of the breech plug on the outside of the barrel and draw a pencil line. Remove the breech plug from the barrel. This is important, if the drill bit hits the plug face it will deflect and can possibly break the drill bit.

India made muskets will often have the breech plug face at the center of the pan or slightly past. The breech plug will have a angled groove cut in the face.



**Figure 5.**



**Figure 6.**

**Figure 5.** Install a #1 center drill in the drill press with the spindle set at 900 RPM or the next slower speed. Drill the barrel at the center punch mark. Drill just to the depth of the short tip.

**Figure 6.** Insert a 1/16" diameter drill bit into your drill press and set the spindle to 2000 RPM or the next slower speed. Drill through the wall of the barrel making sure not to drill into the opposite barrel wall. Remove the small burr on the inside of the barrel left by the drilled hole.

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