



U.S. Patent No. 6,047,490 • Patents Pending

Fire Cartridges with your Cap & Ball revolver

Colt Porting Instructions

Creating a Loading Port in a reproduction Colt percussion revolver recoil shield.

Remove: barrel assembly, cylinder, trigger guard, back strap & grips and all internal parts.

Wrap several layers of masking tape (or duct tape) around the revolver frame, leaving the right recoil shield untapped. This is to protect the finish of your revolver while the work is in progress.

Install the **Kirst Konverter** in the frame and securely clamp the portion of the cylinder pin protruding past the front of the frame in a bench vise, so that the frame is lying flat with the right recoil shield up.

Open the gate on the converter ring and with a black sharpie mark the upper and lower edges of the loading groove on the recoil shield. Push the **Kirst Konverter** forward and using a Dremel tool with a course drum sander, carefully grind away the loading port. You should have a few extra course sanding drums available so you can replace the drum as it wears and cuts less efficiently. Always wear eye protection when grinding! A slow in-out motion with light pressure on the grinder/ sander will do the best and quickest job of removing steel. As you grind occasionally pull the **Kirst Konverter** to the rear and check progress as you approach full depth. Insert **NEW, EMPTY** cartridge cases into each chamber, checking for sufficient rim ejection clearance in the ported area. If rims hang up, push the **Kirst Konverter** forward and very gradually grind a little more material from the port. Recheck cartridge rim clearance.

When you have sufficient rim clearance: replace the course drum sander with a fine drum sander in the Dremel tool and finish polishing the port. This will take only a few strokes of the fine sanding drum.

You may now use a small; half round, fine toothed file, or similar abrasive device, to carefully remove the burrs and sharp edges. Polish the bright metal with 400 grit sand cloth and 4-0 steel wool and re-blue the exposed metal with your choice of cold blue.

This job will take approximately 2 to 3 hours if you stop occasionally to let the work cool.

Artificial Color Case Finish for Loading Port

You can apply a good looking, artificial color case appearing finish on the loading port cut after completing the porting procedure.

When you are done polishing the loading port: clean the bright surface with a de-greaser like alcohol. Next rub your finger around on the freshly cleaned surface; the skin oil will promote uneven bluing. Using Birchwood Casey Super Blue (any good cold blue should work fine) and a Q-tip, apply the bluing as un-evenly as possible. Let it stand for one minute and scrub the coated area thoroughly with a dry, course cloth. Apply another coat of bluing, giving accent to the darker spots; let dry and scrub with cloth. Continue this repeat process until you have a nice uneven coloring ranging from light grays to dark - dull blues, looking much like the time worn colors of a an old gun.