



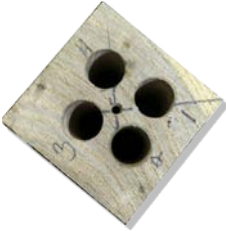
How to video
<http://youtu.be/cOR3UB47cik>

Train Whistle

You will need a piece of wood 2x2x9 inches or 2 pieces one 3 and one 6 inches long.

Turn round and cut to 3 and 6 inches.

BODY: In the 6 inch piece find the center and draw an "X" at 90° and draw a circle with a 1/2 radius. Where the "X" intersects the arc drill 1/2 holes. Number the intersections 1-4. Hole one is 2 inches deep, hole four is 4 1/2 inches deep. Split the differences for holes two and three. All depths are approximate.

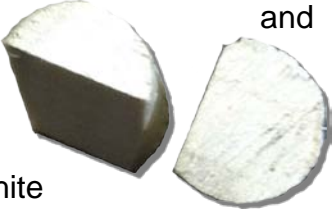


Put back on the lathe and mark a line 5/8" from the end and a 4 1/2" line (depth of longest hole). With a narrow parting tool part until you can see the holes exposed. Measure 1/2" from this parting and taper into the parting. You need to see about 1/3 of the hole when you are done. Make a tenon about 3/16 wide. This is where you will mount the blow tube. Remove from the lathe.

REEDS: Use 1/2" dowel rods cut to 5/8" length. Sand on a disc or belt sander to obtain a tapered flat. One end should be about 1/3 of the rod sanded off and the opposite end about 2/3 sanded off. Place the fat side in a



hole in the whistle body stopping at beginning of the opening and test. If you get a tone mark the hole, remove the reed, put a small amount of white glue on the reed and place it in position. **TEST!** Repeat for the remaining holes.



CAP: Place in a chuck. Drill a 5/16 hole in the center. Make a receiver for the tenon and scoop out small domed air chamber. It needs to be a snug fit. **TEST!** If you don't get the sound you want make the air chamber a bit bigger and **TEST!**

FINISH! Glue the cap to the body matching the grain if you started with the 9 inch piece. Shape the cap end and remember the hollow air chamber. The body line 4 1/2" is where you can part to the 1/4" bigger the cross section of the holes approx. 1-7/8 diameter shape to the this line and male a finale if you wish.

