CLAYMORE MINE PLANS

Step 1 – Safety First

Ensure safe work area and eye protection when working with tools and glues.
It's no fun to play paintball when you can't see.

Step 2 – Cutting the Pipe

Cut 6 inches of 2" PVC pipe off and making sure the ends are straight. (See Figure 1)

Fig.1

Step 3 – Drilling the Holes

Using the drill and large drill bit, drill a hole into the PVC endcap and work hole until large enough to fit ½ inch metal pipe bushing snuggly. (See Fig.2 & 3)
Note: Rotary Tool can be used to enlarge hole using barrel sander.

Fig.2

Fig.3

Step 4
Drilling hole in side of pipe

Using your drill with large drill bit, drill a hole in the center of the pipe. (See Fig. 5)
Make sure the hole is large enough for the tire valve to fit into *very snugly*.

Fig.5

Step 5 –

Installing Metal Bushing

Using epoxy, make a thick bead of epoxy around the top of the ½ inch metal pipe bushing. Then using a socket bolt into the end cap. (See Figure 6 & 7)

Fig. 6

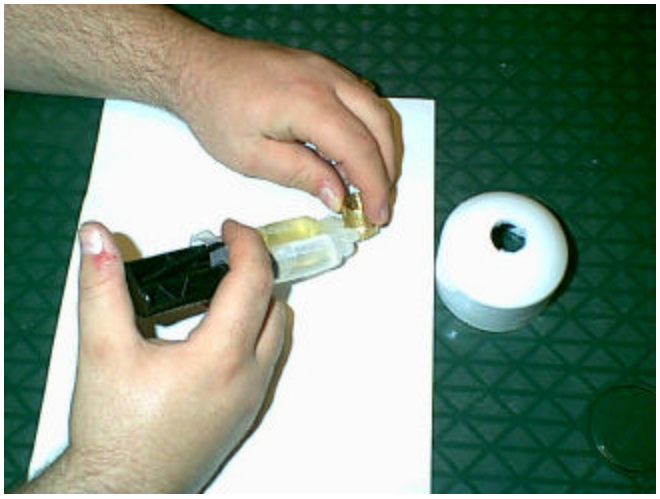
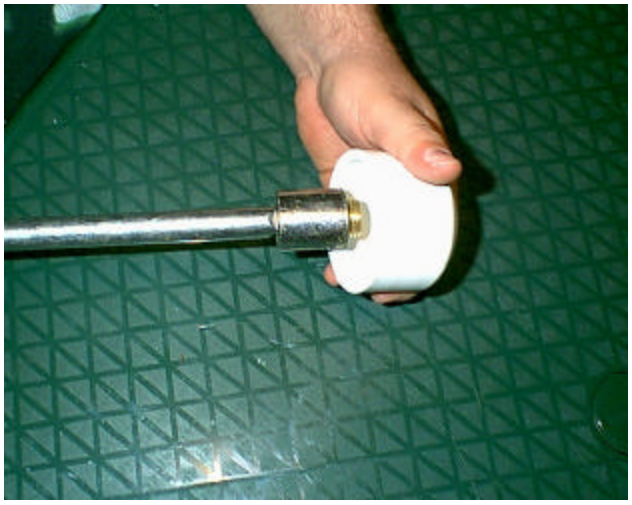


Fig.7



Step 6 – Sealing the Bushing

Using epoxy, use a thick bead of epoxy around the bushing where it meets the PVC on the outside. (This will seal the metal to the plastic so no air leaks out.) See Fig. 8

Fig.8

Step 7 – Putting in the plumbing

Using Teflon tape wrap each threaded metal pipe piece as shown in figures and assemble. In the order below. A, B,C,D,E,F

Make Sure Valve opens toward the nipple end as shown in Fig. E

Fig. A ***Teflon Bushing***

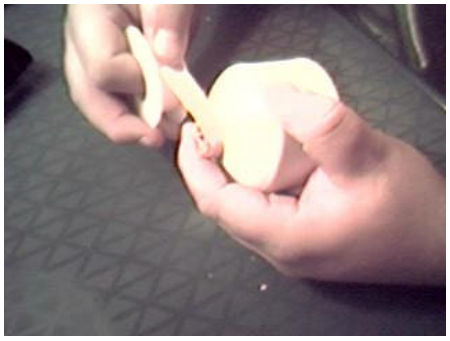
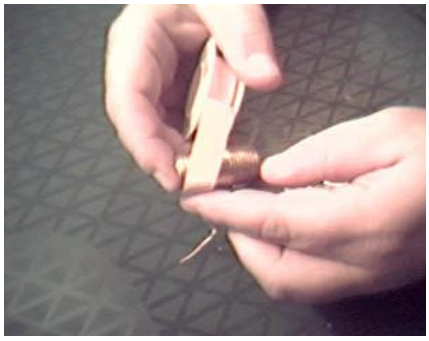


Fig. B ***Install Elbow***

Fig. C ***Teflon***



Pipe

Fig. D ***Install Pipe nipple end***

Fig. E ***Install Valve***

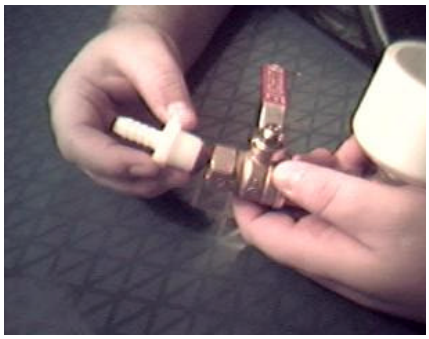


Fig. F ***Install***

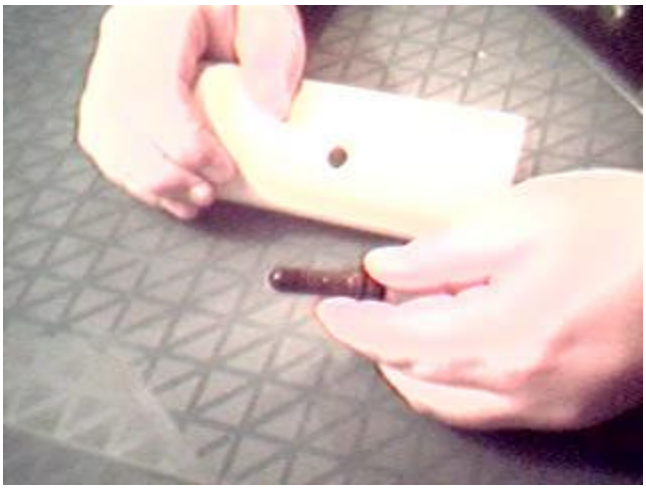
Step 8 – Installing Tire Valve

Install tire valve in hole made earlier in the PVC pipe, pull though with pliers until it pops into place.

Note: The tire valve can also be a metal type that will bolt on but will cost more. This is just a regular pull though tire valve. **See figure 9 & 10**

Fig.9

Fig.10



Step 9 – Building the body of the mine.

Using PVC Glue, wipe glue on end of PVC Pipe Body and inside of PVC Coupling. Slide end of Coupling onto the PVC pipe and twist slightly. See Fig. 11, 12, & 13

Fig. 11

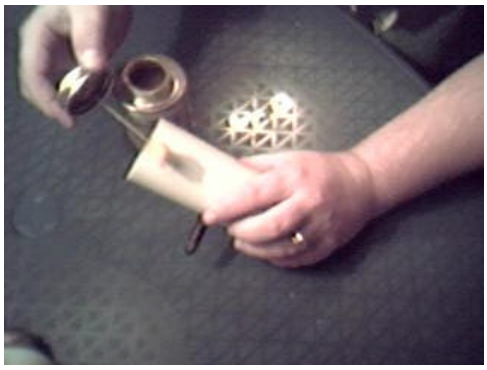


Fig. 12

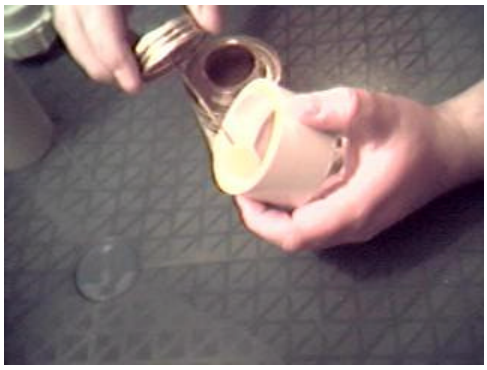


Fig. 13

Step 10 – Building the body continued

Using PVC pipe glue, swab the inside of the coupling and the outside of the cleanout (screwtop) and slide together and twist slightly. See fig. 14 , 15& 16

Fig. 14

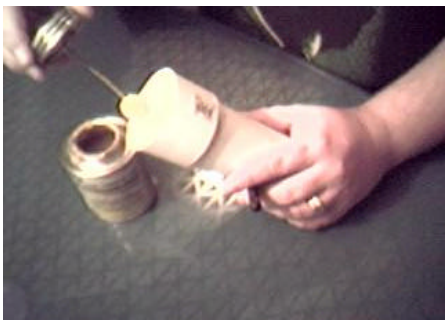


Fig. 15

Fig. 16

Step 11 – Bottoms Up

Using PVC Pipe glue, Swab the outside of the pipe and the inside of the endcap assembly that you assembled earlier. Twist slightly ensuring that the tire valve is where you want it. (I always mount mine off to one side because it makes it easier to charge the mine with air.) See Figure 17, 18, & 19

Fig. 17

Fig. 18

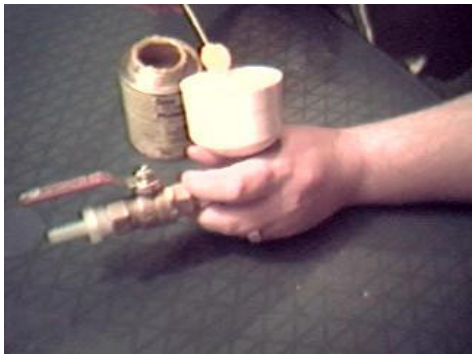


Fig. 19

Step 12 – Assembling the splatter hose

Cut approximately 6 inches of latex hose and push it onto the end nipple of the mine. See Figure 20 & 21.
Note: This will keep the mine from shooting just a straight stream and will splatter all over a area of about 25 feet to the front and 25 feet to both sides. The maximum range that I have found is at 60 psi. and shooting 20 foot effective.

Fig. 20

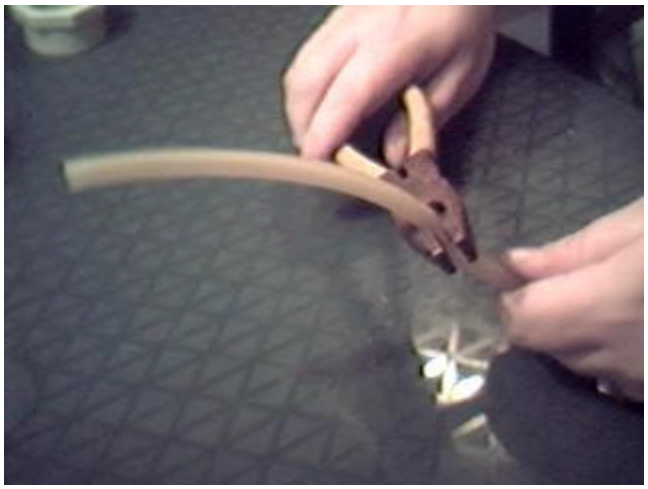


Fig. 21

Step 13 – Making it Pretty

You can use any type of finish that you want. I prefer to paint mine camouflage and cover with leaves when I play. I even covered one with camouflage duct tape and it worked great.