Wash your hands using soap prior to beginning filter construction.





2. Lay one (1) bucket on its side.



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Approximately

 1.5 inches
 above the
 bottom of the
 bucket, drill
 one (1) 1-inch
 diameter hole.





4. To smooth the edges of the hole drilled in Step 3 remove the excess plastic using a knife.



5. Place a rubber washer on the spigot.



6. Push the spigot with washer attached through the hole drilled in Step 3.



7. Place a rubber washer on the spigot from inside the bucket.



8. Using pliers tighten the spigot to the bucket with a nut. This with have to be a very tight fit to create a water tight joint.



Now we are going to begin working with the other bucket

9. Place the unused other bucket on top of one (1) lid which should be a clean surface.



- 10. To one side of the bucket center drill one (1) ½-inch diameter hole through the bottom of the bucket marking the location on the bucket lid with the drill.
- 11. In the location that was marked in Step 10 drill one (1) ½-inch diameter hole in the bucket lid.



12. Replace the bucket on top of the lid and place a 1/2inch diameter bolt through the holes drilled in Steps 10 and 11.



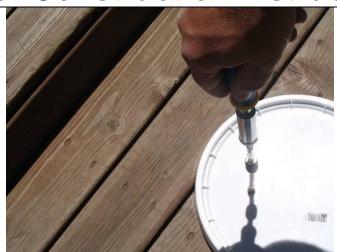
13. To the other side of the bucket bottom, drill a second 1/2inch diameter hole in the bucket marking the location on the bucket lid with the drill.

½-inch





15. Drill a second ½-inch diameter hole in the bucket lid where market in Step 13.



16. To smooth the edges of the four (4) holes drilled in Steps 10,11,13, and 15 remove the excess plastic using a knife.



17. Wash your hands using soap prior to touching the clean plastic ends of the ceramic filters in Steps 18 to 22.





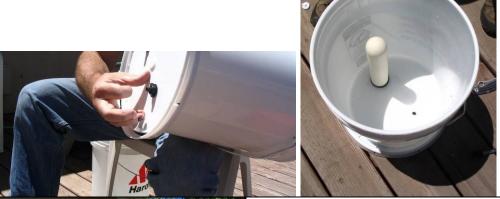
18. Place a rubber washer on the end of one ceramic filter.



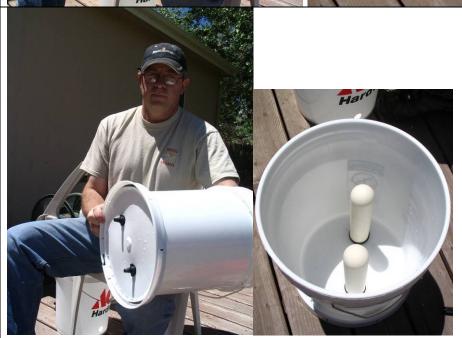
19. Gently push the filter through one of the holes drilled through bucket bottom and bucket lid.



20. Tighten the filter to the bucket lid using a wing nut.



21. Repeat Steps 9 to 11 with second ceramic filter.



22. Place bucket lid that has been attached to filter bucket on top of the spigot bucket finished in Step 8.

23. Place the unused bucket lid on top of the ceramic filter bucket

