

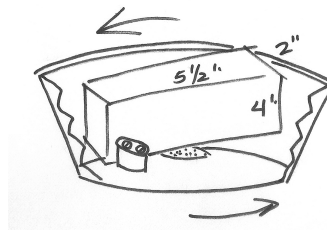
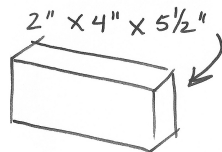


## HOW TO SHORTEN / CUT DOWN The Drinking Post Waterer

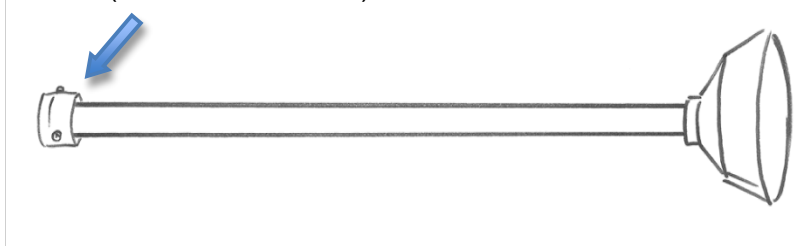
Materials needed to complete this repair:

- Piece of 2" x 4" wood cut between 5 ½" to 6" in length
- Phillips head screwdriver
- Metal file
- Pliers
- Hacksaw
- PVC Teflon Paste

1. Turn your water supply line off.
2. Remove the paddle from the bowl.
3. Place a 'handle' between the bowl hinges. (Typically a 6" length of a piece of 2 x 4 wood)



4. Turn the bowl counter clockwise to release it from the supply line; pull it up carefully through the guide in the base of the 8" support pipe.
5. Once you have the post disconnected from your water line and removed from the ground, you may wish to relocate to a 'workshop' area.
6. Remove the top 3 screws (closest to the bowl) on the black collar that holds the valve housing to the 2" pipe.

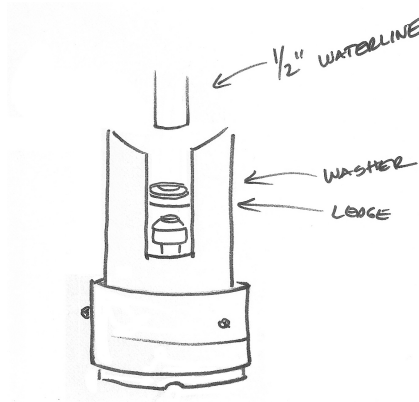


7. Tap the collar on the top until the housing falls out from the 2" pipe. The ½" water line and the stainless steel rod will also slide out of the 2" pipe with the housing.
8. Remove the ½" waterline and the stainless steel rod from the valve housing. Take the stainless steel rod out of the ½" waterline and set aside.
9. **Cut desired length you wish to shorten the Post off the BOTTOM** of both the ½" waterline and 2" outer housing. Cut the exact same amount off of both pipes. The top of the ½" waterline is compressed to properly feed into the bowl, so be sure to cut off the bottom, not the top.
10. **IF** you wish to shorten the outer 8" sleeve, cut the same amount off of the 8" sleeve at this point too.



11. Insert the 1/2" waterline back into the valve housing.

- Check to make sure the plastic washer is in the valve housing as illustrated below. Insert the 1/2" waterline over top of this washer.



12. Slide the waterline connected to the valve housing into the 2" pipe. You will have to guide the 1/2" into the bowl by lining it up with the drain hole. You can do this with a long screwdriver through the hole in the bowl screen.

- **If your post does not have either the valve housing attached to the bottom, or the bowl attached to the top;** follow step 8, then affix the valve housing to the 2" pipe, next attach the bowl to the top after carefully feeding the 1/2" waterline through hole in the center of the bowl.

13. Once the 1/2" waterline is through the drain hole in the bowl, stand the post straight up with the valve housing setting on the ground and push down on the 2" pipe as hard as you can to ensure the 2" pipe is completely and securely connected to and sitting inside of the black collar connected to the valve housing.

14. Replace the 3 top screws on the black collar of the valve housing.

15. Feed the stainless steel rod into the hole of the bowl filter. **Don't drop It In!! Dropping it in could damage the valve housing.**

16. Spin the rod **without** any downward pressure to make sure your rod is resting on the intake valve and doesn't want to "fall" any further.

17. The intake valve is a rubber material, rounded on the top as illustrated. In the center of the intake valve is a hole the exact diameter of the actuator rod.



18. Mark your rod even with the top of the bowl filter while the rod is resting on top of the intake valve but not pushed down into it yet.

19. Now, push down **gently** and twist slightly until you have seated the rod completely into the intake valve. You should have fed another 3/8" of rod into the post.

20. Mark the rod even with the bowl filter a second time. Pull the rod up and straight out of the post.

21. Your two' marks should be about 3/8" apart.



22. Measure from your **LAST** mark and cut the rod so it is **1/2" longer** than your last mark.
  - Cut longer rather than shorter as you can always go back and file a little more off.
  - Make sure you do not bend the rod while cutting, filing, or sawing the end.
  - Make your cut straight.
  - File the rough edges off the rod after you make your cut. You want a perpendicular cut with slightly rounded edges.
23. Reinsert the rod... give it the last little push to seat it and then measure the length standing above the filter. **It must not be longer than 1/2" or shorter than 7/16".**
24. If it is a little long it is easy to file it down to the correct size. Your end result should stand 7/16" to 1/2" above the bowl filter. **It must not be longer than 1/2" or shorter than 7/16". If the rod is measured and cut in cold weather, be sure to cut on the long/tall side of the spectrum, as the rod will appear to get slightly shorter in the hottest months of the year do to expansion of materials in the waterer in heat.**
25. Reattach paddle.
  - If the paddle is held tightly in place by the height of the rod, loosen the screws holding the paddle in place until you have a small amount of play, or wiggle room, in the paddle's action. If you find that the rod is held tightly in place during your hottest months of the year you may choose to remove the rod and file a little bit off the end until you have a small amount of play, or wiggle room, in the paddle's action.
  - You will find that the rod may *appear* to get *slightly* longer in the winter months and shorter in the summer months. This is due to the expansion and contraction of the materials in the waterer.
26. Apply some PVC Teflon paste to the base threads in the valve housing.
27. Insert the Post into the 8" pipe and carefully through the guide wheel; turn the Post clockwise until gently securing it on the supply line. Be careful not to cross thread your connection. Hand tighten using the 2 x 4 method mentioned above.
28. Turn on your supply line water.