

Hands-free Water Dispenser

Parts Measurements:

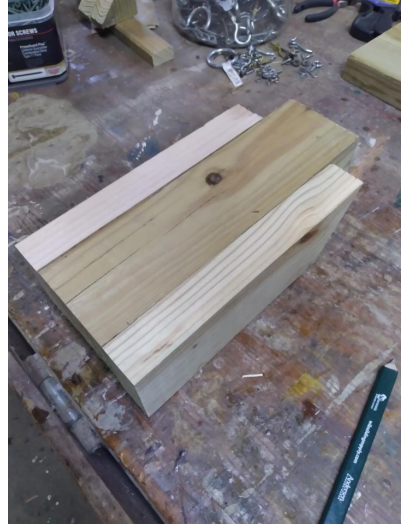
1. 12 $\frac{1}{4}$ " long 3 $\frac{5}{8}$ " wide 1 $\frac{1}{2}$ " thick
 - 1b. 12 $\frac{1}{4}$ " long 7 $\frac{1}{4}$ " wide 1 $\frac{1}{2}$ " thick
 2. 10 $\frac{3}{4}$ " long 3 $\frac{1}{2}$ " wide 1 $\frac{1}{2}$ " thick
 - 2b. 10 $\frac{3}{4}$ " long 3 $\frac{1}{2}$ " wide 1 $\frac{1}{2}$ " thick
 3. 11" long 5 $\frac{1}{2}$ " wide 1" thick
 4. 13 $\frac{1}{2}$ " long 5 $\frac{1}{2}$ " wide 1" thick
 5. 10" long 1 $\frac{1}{2}$ " wide 1" thick
 6. 8" long 5 $\frac{1}{2}$ " wide 1" thick
 7. 11" long 5 $\frac{1}{2}$ " wide 1" thick
 8. 7 $\frac{1}{2}$ " long 2 $\frac{1}{2}$ " wide 1 $\frac{1}{2}$ " thick
 9. 3" long 2 $\frac{1}{2}$ " wide 1 $\frac{1}{2}$ " thick (cut at 45° angle)
 - 9b. 3" long 2 $\frac{1}{2}$ " wide 1 $\frac{1}{2}$ " thick (cut at 45° angle)
 10. 15" long 5 $\frac{1}{2}$ " wide 1" thick
 11. 8" long 2 $\frac{1}{2}$ " wide 1" thick
- Post→ standard 4x4 green treat post (actual measurement is 3 $\frac{1}{2}$ " x 3 $\frac{1}{2}$ " x 7 foot long

Hardware:

- 3" x 3" L bracket
- 1" wide x 4" long hinge
- 2 $\frac{1}{2}$ " wide x 5" long hinge
- 5 small eye screws
- 1" long spring
- 4' of $\frac{1}{8}$ " nylon rope or string

Step 1) Assemble water cooler/ jug base using parts 1, 1b, 2, and 2b

a) Place parts 2 and 2b standing on edges with $3\frac{1}{2}$ " space between them (using a scrap of the 4x4 post as a spacer will help).



b) Lay parts 1 and 1 b on top of parts 2 and 2 b and screw together using $3\frac{1}{2}$ " deck screws, then remove the 4x4 spacer.

Step 2) Install the sides using parts 3 and 4

a) Using three 3½” deck screws, attach part 3 to the left side of the jug base.



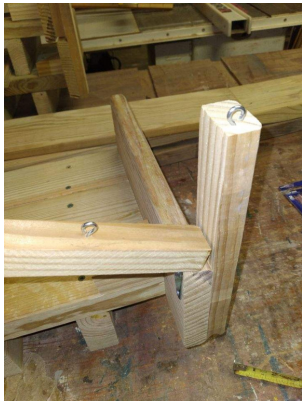
b) Using three 3½” deck screws, attach part 4 to the right side of the jug base, be sure all of the excess length is located beyond the front of the jug base.

Step 3) Install the swing arm assembly

a) Attach the swing arm support part 5 to outside of the right side (part 4) with two $1\frac{5}{8}$ " sheet rock screws.



b) Attach the small hinge to part 6, the swing arm, $\frac{5}{8}$ " from the end of part 6. Then screw the other side of the hinge to the left side of part 4 (the right side piece of the jug base) as close to the front edge as possible and up high enough so the other end of part 6 is about $2\frac{1}{2}$ " higher than the hinged end when it is raised up all the way.



c) Using two eye screws, with the eye opened up just enough to allow the spring to pass through the opening, attach the spring by putting one eye into the top end of part 5 and the other into the top edge of the swing arm (part 6) about one third to one half of the way up the swing arm adjusted accordingly to the spring you are using.



Step 4) Install water cooler/ jug base stops using parts 9 and 9b

a) Slide your water jug into place on the base so the spigot lever (on the jug) lines up with the swing arm (part 6) when the jug's spigot lever points to the right (toward the swing arm) so when you push the swing arm down it pushed the spigot lever down to open the valve inside the spigot.

b) Then slide the two triangular stops into place and attach them to the base using one 2½" screw in each one of the stops. This will allow you to slide the jug into the jug base from the back and then center the spigot each time you slide a jug into the until.



Step 5) Assemble the bottle shelf

Screw part 8 to the bottom of part 7 flush to the edge of the shelf that touches the post you are mounting it to.



Step 6) Assemble the foot pedal



a) Screw the L bracket to the top of part 10 at one end . This will be attached to the post later.



b) Attach the long end of the large hinge to part 11 then attach the other end of the hinge to part 10, about 3" from the end opposite the L bracket.



Step 7) Mounting the unit to the post

a) Bury post so 3 feet is exposed. Be sure to have the exposed end of the post cut so it's square with the sides in order to ensure the jug shelf sits level on the top of the post.



b) Mount the jug shelf on top of the post with the post's front edge 3" back from the front edge of the jug shelf using one 3" deck screw through the top of the shelf into the top of the post. Then use two 3" screws through the shelf supports (part 2 and 2b) and into the sides of the post.



c) Mount the water bottle shelf centered onto the post nine to eleven inches down from the top of the water jug shelf.

d) Mount the L bracket of the foot pedal assembly to the base of the post at ground level.



e) Attach the spring arm to the foot pedal using a string and the 3 eye screws. Mount one eye screw on the back side of the spring arm, one eye screw on the foot pedal's opposite end the hinge, and one eye screw on the right side of the water bottle shelf in a straight line between the other two eye screws. Tie a knot in the string at one end and feed the string from the eye screws on the spring arm through the eye screw on the side of the bottle shelf and down to the foot pedal. Adjust the knot on the foot pedal end so the pedal is just high enough so that when it is depressed it will open the valve.



(Note, if the valve does not open fully you may need to mount a rounded piece onto the bottom of the spring arm. This can be a wine cork or a cut off section of a broom or rake handle.)