

## RainRecycle Rain Barrel Diverter Kit Installation Instructions

1. Parts Inventory – you should have in your kit:
  - a. 3-piece hole saw set
  - b. Corrugated fill hose\*\*
  - c. Threaded rubber seal
  - d. Unthreaded rubber seal
  - e. Diverter
  - f. Spigot
  - g. Screws (2)
  - h. Sealed barrel
2. Tools not included – you will need:
  - a. Safety goggles
  - b. Work gloves
  - c. Drill
  - d. Measuring tape or ruler
  - e. Pencil or marker
  - f. Phillips head screwdriver
  - g. Level
3. BEFORE drilling into your barrel or downspout, choose a location for your barrel and put it up on a stand if you plan to use one.
  - a. Choose a downspout near the plants or beds you plan to water with the barrel.
  - b. Make sure barrel is within 2.5 feet of the downspout or the fill hose will not reach – extend the hose all the way and make sure that it will reach the barrel.
  - c. Make sure the barrel is standing on a level surface. Grade the soil if necessary and install a base to elevate the barrel if desired.
4. Decide which side of your barrel will be the front. Mark the front and turn the barrel so the front faces out.
5. Hold your fill hose in place between the downspout and the barrel and mark the inlet location on the rim of the barrel.
6. On the front of the barrel, measure 10” up from the bottom of the barrel and mark the center – this is where your spigot will go.
7. Use the SMALL (1-1/4”) hole saw to drill a hole in the front of the barrel for your spigot.
8. Insert the threaded rubber seal into the hole.
9. Thread the spigot into the seal until the hex collar sits firmly against the seal and the water outlet points downward.
10. Find the mark you made on the rim of the barrel for the water inlet. Measure down 3” from the rim of the barrel and mark the center of the inlet hole.

11. Use the MEDIUM (1-1/2") hole saw to drill the inlet hole in your barrel.
12. Insert the unthreaded rubber seal into the inlet hole.
13. Mark a spot on the downspout for your diverter hole.
  - a. If your downspout is 3" x 4", install the diverter in the 3" narrow side of the downspout.
  - b. Because these are sealed barrels, your downspout outlet can be either level with OR higher than your barrel inlet.
  - c. A barrel with a lid or open top will overflow if the downspout hole is too high, potentially causing damage to your foundation.
  - d. If the downspout hole is too low, your barrel won't fill properly.
  - e. Use a level across the top of the barrel to determine placement.
14. Use the LARGE (2-1/8") hole saw to drill the hole in your downspout.
  - a. Be sure to wear safety glasses and gloves – long sleeves are also recommended.
  - b. Cut slowly and steadily with a firm hold on the drill. Do NOT force the saw.
  - c. Be careful with the cut edges of the downspout, they may be sharp.
15. Wearing gloves, insert the diverter into the downspout with the cup facing up.
  - a. Don't twist the diverter while installing, push it straight in.
  - b. Make sure the arrow on the front of the diverter is facing up.
  - c. Use the self-tapping screws to attach the diverter to the downspout (you should not need to pre-drill).
16. Push one end of the fill hose into the diverter cuff. If needed, add a little soapy water to the outside of the hose to reduce friction.
17. Connect the other end of the fill hose to the water inlet on the barrel, using soapy water if needed.
18. Be sure to place the "Do Not Drink" sticker on your barrel next to the spigot, and be sure that all household members know not to drink water from the barrel.
19. With the closed-top design of your barrel, mosquito larvae should not be a problem. However, if you notice mosquitoes around your barrel, you can remove the fill hose from the inlet and pop in a "mosquito dunk" tablet to kill larvae.

**\*\*Note:** The instructions included in the kit say that the fill hose is 3 feet long, and has a flat section in the middle that can be cut. It is actually only 2.5 feet, and cannot be cut.