Convert your water cooler to a No-Bottle Water Cooler.
Bottleless or Bottle Free Water Cooler

The change over kit contains the following stuff:

Solenoid Valve	Water level switch
On/off switch-only included with kit with switch purchase	2 - 1/4” to male pipe adapters
1/4” Union T	1 - 1/4” to male pipe elbow adapters
1/4 “ union coupling	1/4” valve
10” Black and white wires	With connectors
2’ of 1/4” hose	1/4” union elbow
Install Instructions - online	Pictures

To be sure this kit is right for you, please read the following.

First

To check if either of these kits will work for you, please determine if you have the rim with a funnel. The kit uses a 3.25" disc to hold the water inlet and water level switch.

Please study the following pictures.

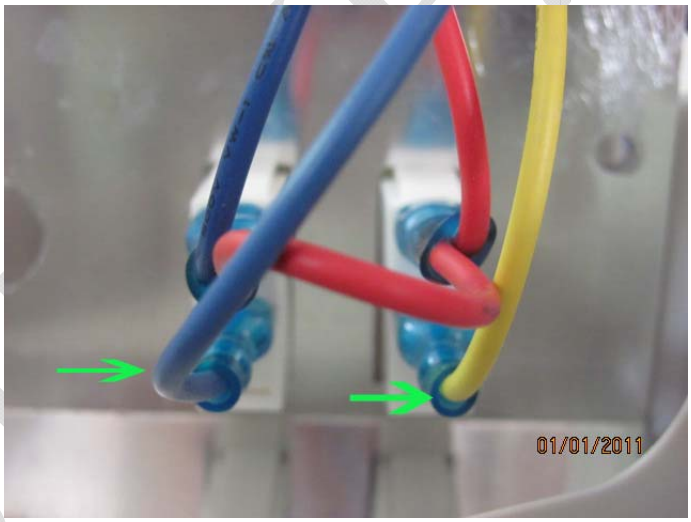
This kit uses the water pressure from your home water supply. It must be hooked up to the refrigerator water line or water supply line from the sink. Also, if your water cooler does not have power, you can hook this kit up directly to a power cord and you'll never have to refill a bottle again.

This conversion kit should be installed by a handyman or someone familiar with electricity and tools.

Second

If you can determine whether or not you need an extra switch, you can buy a kit that does not include an on/off switch. First unplug your water cooler and remove the back cover. Trace the black wire from the power cord to the on/off switch.

You can connect to the switch on the heater or the cooler side of the switch. The black wire coming from the power cord may change into another color wire going to the switch. My cooler black wire was spliced to a red wire that went to the hot and cold switches.



If you can trace one of the other two wires to hook to, you do not need the kit that includes the switch. The arrow is pointing to the wires that can be used.

Disclaimer: Lukeup.com and Luke Lukas will not be held responsible for any damage that may be caused if the conversion kit is not installed properly.

Convert your cooler instructions. Read entirely.

Please unplug the water cooler and read all instructions before you continue.

Remove the bottle. You should remove some water out of the tank because you'll be moving it around. If there is a cover on the back, remove it. I can't mention this enough. Please make sure the cooler is unplugged. Only reason, I shorted some wires one day making modifications for this instruction book. I blew a breaker and shot sparks everywhere and my wife got annoyed and I got embarrassed.

First we have to pull the center spike out of the bottle resting rim. This is a newer feature on the coolers that opens the bottle by pushing a cap in the bottle cover to allow the water to flow into the tank.

Twist the rim counter-clock-wise to remove the rim from the top of the water cooler. You need to grab the spike and twist it to align the tabs with the slots to pull the spike out.

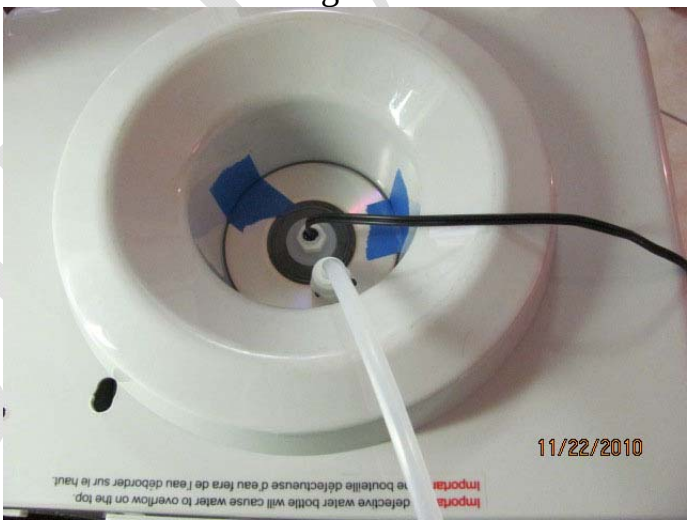
If you do not have a spike, that's great. Important thing is that you have a funnel. If you do not have a funnel, this solution may not work for you. Several thoughts around this later. Send me a picture of your cooler and I'll try to help you set it up as a no-bottle.

Next put the rim back on the top of the cooler.

Insert the 2 foot piece of hose to the quick connect fitting.

Drop the water float switch and water inlet into the funnel and tape it in place. Scotch tape or blue tape will work. You can also use aquarium silicone. Put a dab on the edges so it can be removed if the switch needs to be replaced. The disk must be secure in place, otherwise, water will continue to flow when it is turned on.

Pick a spot near the back of the cooler next to the rim. Drill a 3/8 inch hole. You may need to expand it a bit to get the wire connectors through or use a 1/2" bit.

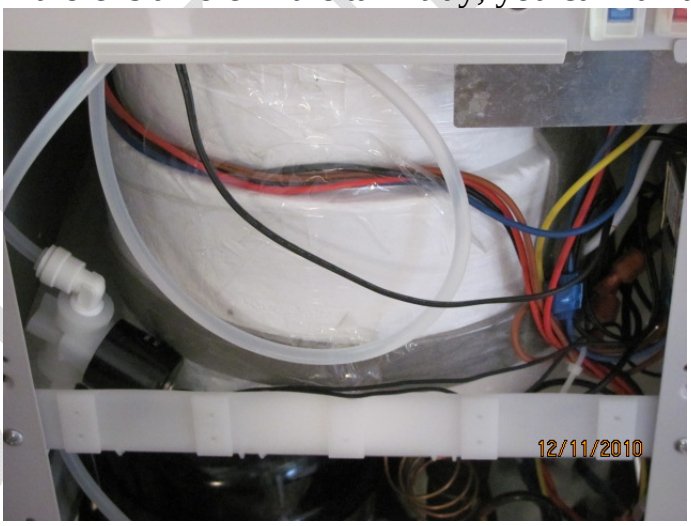


You don’t have to drill a hole. You can run the hose and water float switch wire to the back and duct tape them to the tank or some where in the back. I’ve given this some thought, you don’t really need any tools to install this device except maybe a pair of pliers.

Run the water float switch wire and the hose into the hole that you drilled.

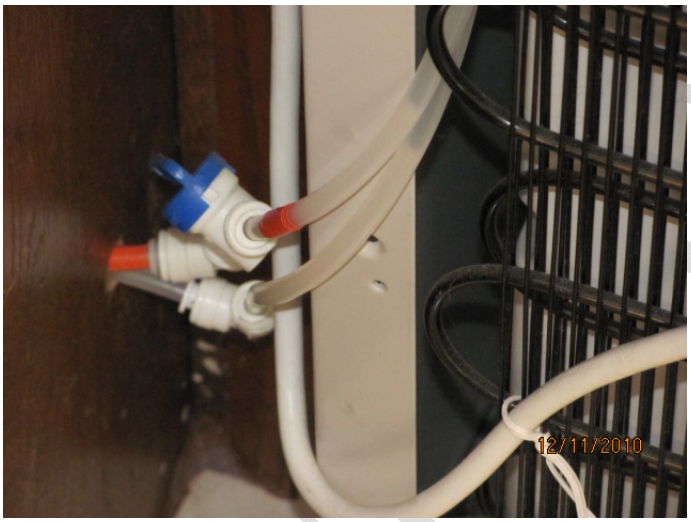
Choose which fittings you want in the valve. I left them out incase you wanted to use the straight fitting in the disk next to the water float switch. If you use the alternate installation you can use a straight push on fitting on both sides of the water valve. Be sure to put some teflon tape on the fitting's threads.

Plug the hose into the solenoid on the side that has the arrow pointing to it. Place the valve in an area next to the tank. If there is a hole in the tank tray, you can run the hose through it.



Be sure the fittings are tight in the solenoid water valve. It does not matter what position the fittings are in. The solenoid water valve just sits any where beside the tank or where ever there is room and the hoses can reach it. The valve can be mounted using 2 short screws but it is not necessary.

Run a hose (not provided) from the other side of the solenoid water valve to your water supply. I had to drill a hole in our cabinet to get to the water line used for the refrigerator ice maker. You can use the 'T' push on fitting (provided) to come off of your water supply as long as it is ¼" plastic hose. The push on valve included in the kit will allow you to turn off the water supply to the water cooler. The water supply hose is not provided and can be purchased from a home depot or lowes or hardware store. A do it yourself handyman should be able to hook up a water supply hose.



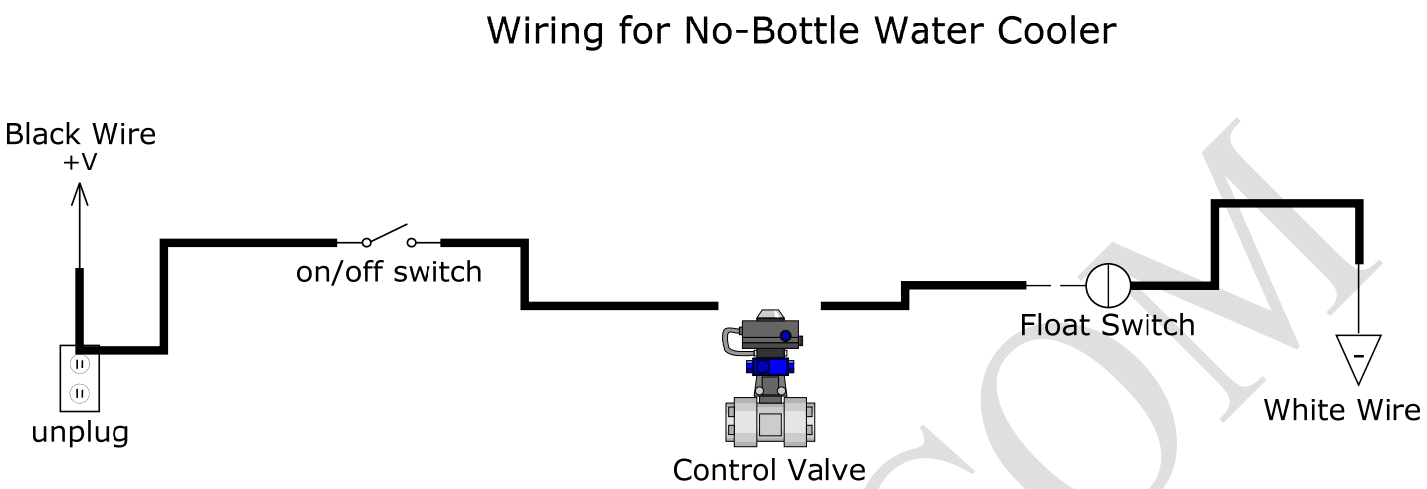
I have 2 lines coming through the cabinet because I'm running a line back to the refrigerator icemaker from my water filter (pictured below). My water cooler has a compartment under it so I put an inline water filter for the water cooler and the refrigerator icemaker.

Water filter is not included in any of the kits offered. The type of water filter shown is a Culligan IC 1000.

Use an icemaker installation kit to connect to the water supply line from the sink or the refrigerator. They can be purchased at Home Depot, Lowes, or your local hardware store.

This is the picture of my setup:

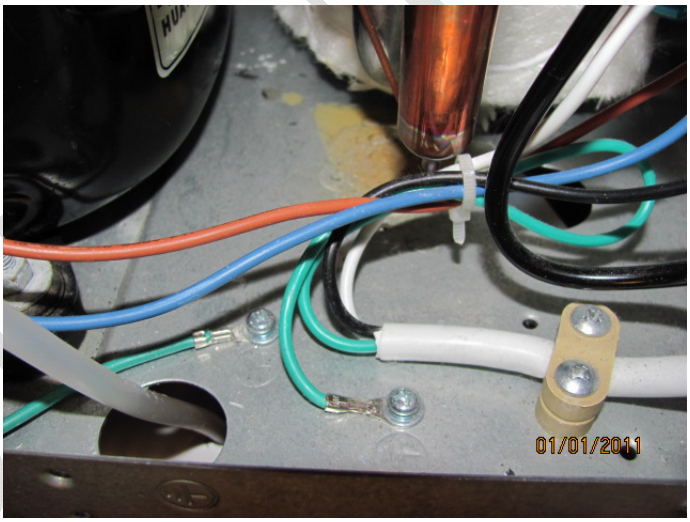
Wiring Section



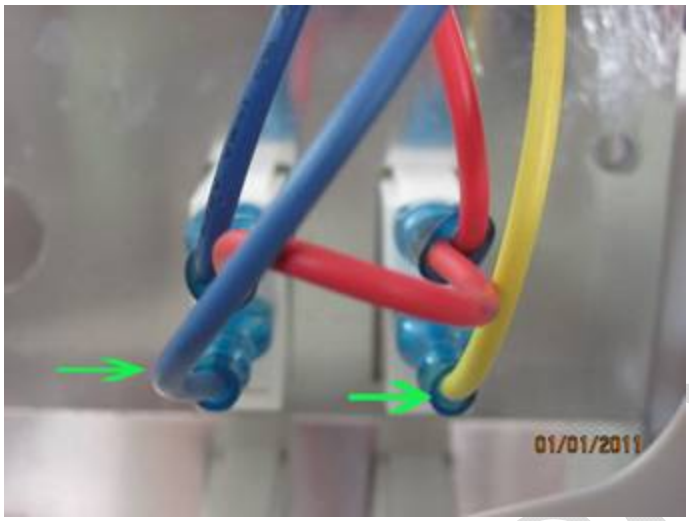
********** Make sure the water cooler is unplugged **********

Before continuing, please be sure the water cooler is unplugged.
This is best installed by a handyman or someone that has experience with electricity.

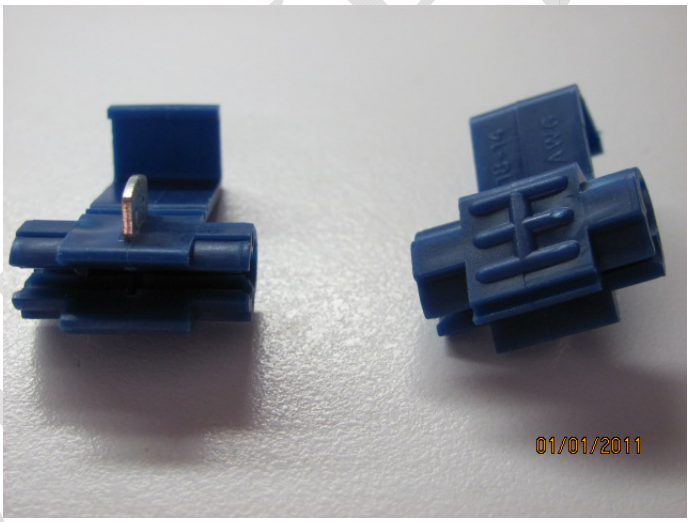
The Black wire that is coming out of the power cord is the hot wire. You should be able to follow the black wire to the on/off switch.



You may need to put a multimeter on the switch to determine which side is hot and which side is off when the switch is off. On my cooler, the black wire is connected to a red wire that is connected to the hot and cold switches so I knew that the other wire connected to the switch was off when the switch was off.



The green arrows are pointing to the wire of the switch that will be off when the switch is in the off position.
Connect the black wire using the inline splice connector to one of these wires. Slide the splice on to the hot wire, in this case either the blue or the yellow will work. If you use the blue make sure you connect to the blue wire that is not connected to the red wire. This way it's on the other side of the switch.

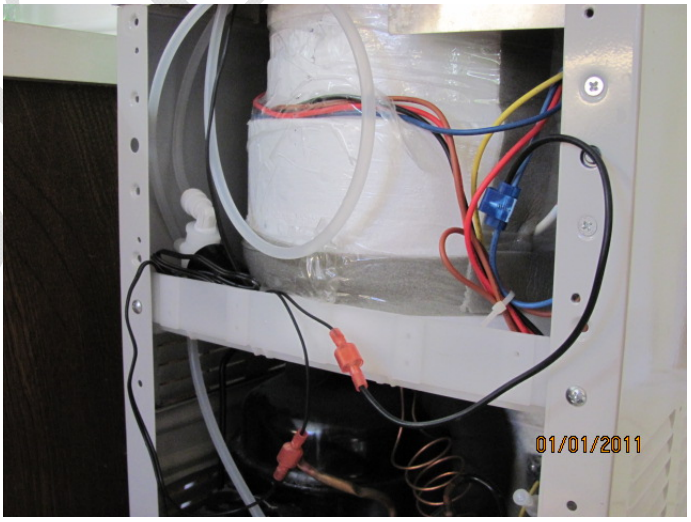


Slide the black wire that comes with the kit into the splice closer to the splice cover. If you look inside the splice you will see a little plastic stop. Slide the wire to that stop and be sure it stays in place while you crimp the metal part of the splice on to the wire.

Use a pair of pliers to crimp the splice onto the wires. If you're not familiar with these splices, the splice cuts through the wire insulation and clamps around the wire. You can't really crimp it too much, but make sure the metal connector is flush with the plastic. Be sure the wire does not pull out. Then snap the cover closed.

If the wire does not get crimped into place, you may try to pull the metal part out and try it again. I've included an extra splice. If that doesn't work, you may need to run to Lowes or Home Depot. If you have to move the splice put tape over the part of the wire that was nicked by the splice.

Connect the black wire quick connect to one side of the water solenoid valve wire.



Connect the other wire from the solenoid to one wire of the water float switch (one of the wires coming from the water float switch in the plastic disk).

Connect the other side of the water float switch to the white wire. Connect the other end of the white wire to the white wire in the cooler using the splice connector. Make sure you connect the white wire to the white wire close to where it comes out of power cord.

You should be done. Read the following completely before continuing.

Turn on the water supply with the power still unplugged. Make sure there are no leaks. The tank will not fill up until the power is turned on.

Be sure the disk is secured in place and can not be jarred loose. Turn on the power. The tank should start filling and stop once the water level has reached the water float switch. The water should not touch the disk or go above the disk. If you put the disk in and the water is above the disk or switch, remove some water. Dry off the water float switch. The wire side of the water float switch should never be submerged in the water.

If the water is continuing to flow, the switch is physically stuck in the down position. UNPLUG IMMEDIATELY. Be sure the float on the switch moves freely up and down the stem. All components have been checked and tested before they are shipped.

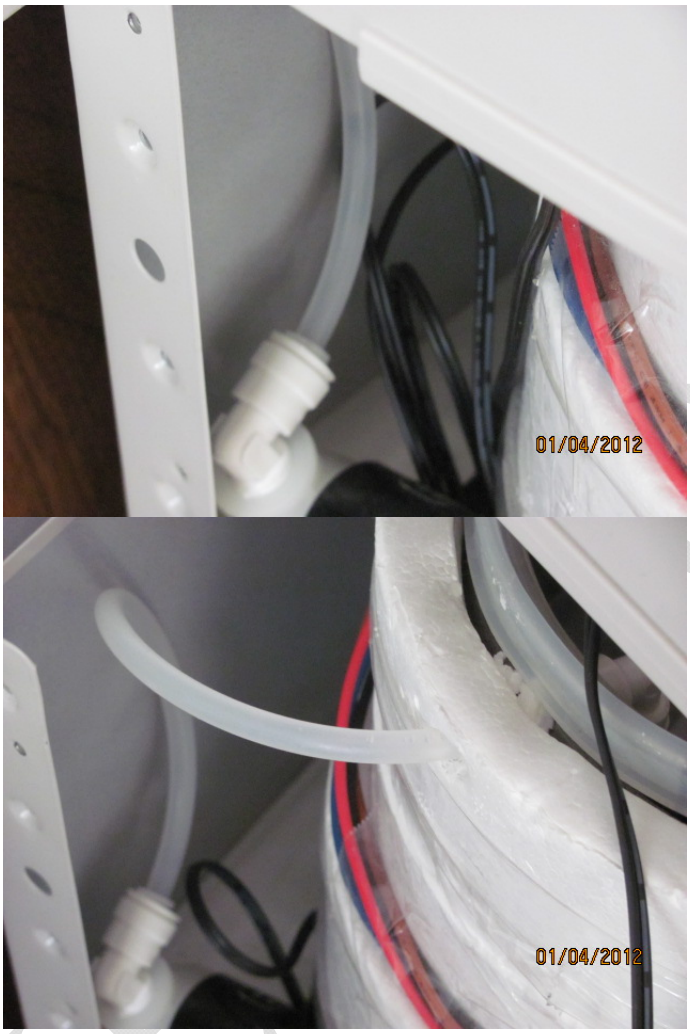
********** Alternate installation**********

This is a little more involved but you'll be able to hide the hose and wire and put a switch in. You'll need a 5/16, 1/2, and a 3/8 inch drill bit. Take the top of the cooler loose from the back.

Drill a 5/16" hole through the insulation and metal tank. Slide a 12" piece of hose through the hole and put a ¼ inch Union Elbow on the end in the tank.

Using this method you do not have the hose coming out of the disk. It will be hidden when you put the rim back on.

Put the other end of the hose in the solenoid valve on the end with the arrow pointing to it.



At this point you can leave the wire running over the rim and down through the top of the water cooler.

Or continue to run the wire through the rim.

Drill a 3/8” hole through the cover at the back of the cooler near the hose that you just installed, between the top of the tank and the top of the cooler cover.

Don’t worry if some plastic chips fall into the water. You can either drain the tank and flush it out or you can take the corner of a paper napkin to pick them out.

Drill another 3/8” hole through the funnel approximately the same area that you drilled the hole through the cover. You may need to use a ½" drill bit to get the connectors through the hole or make the hole bigger with the 3/8" bit.

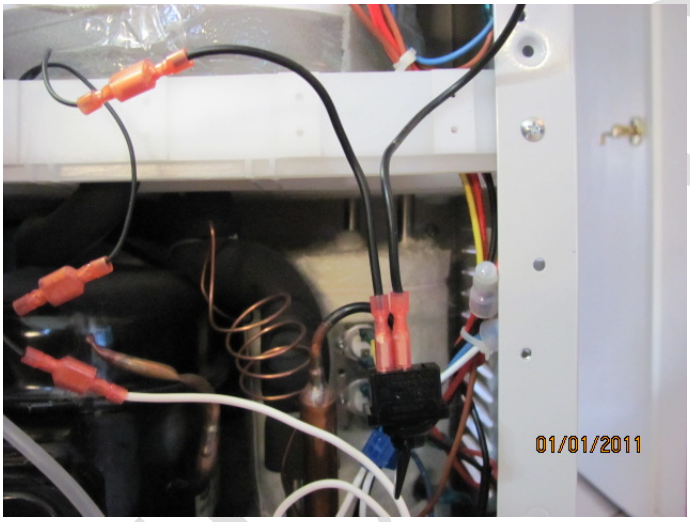
Loosen the rim and feed the water float switch wire through the 2 holes. One side of the water level switch connects to the solenoid valve and the other wire connects to the white wire. Please see the instructions above. You can remove the water inlet fitting from the disk.

Be sure to follow the wiring directions. It is important to wire exactly as described because you will burn up the water level switch.

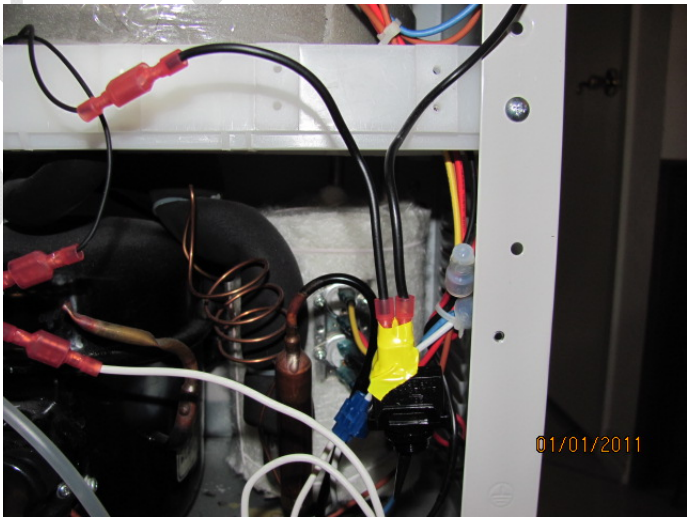
Switch Installation

If you bought the kit with an extra switch included you will follow these directions. You can use these directions to install the kit in a water cooler that does not have power in it. You will need to purchase a power cord from your local hardware store or cut the cord off of a broken down appliance. Be sure the cord has a ground plug.

Next we'll put a switch in if you're not using the switch already in the cooler. The little extension wire included with the kit should connect from the switch to the water solenoid valve. Hook the black wire included in the kit to the black wire coming out of the power cord using the inline wire connector.



Wrap a piece of tape around the switch connectors just to be sure they do not come in contact with any other metal. I used the insulated crimp connectors so we really don't have to worry about this. Better to be safe.



Next you can either let the switch dangle in the back or mount it. Once the kit is installed, you'll only need to turn off the bottle free conversion when you go on vacation or to work on it. I'd recommend unplugging it when ever you work on it.
As you can see I had room next to my other switches. I had to make the hole a little larger with the 1/2 inch drill bit.

You should be done. You can contact me anytime using the form on the website if you need clarification on anything.

Contact Me

Please note: instructions can change without notice. If you see any errors, please let me know. If you have purchased a kit please review the online instructions for any updates. This is a home made kit. All parts have been tested to work.

Please allow 7 to 10 business days for shipping and handling.

