

## Assembly Instructions for Automatic Watering System (To Be Added to your Garden in a Box Kit)



You will need the following items to complete the assembly:

- 1) Pliers
- 2) Pencil
- 3) 3/4" Spade Bit (**See Step 3**)
- 4) Screw Driver / Screw Gun with square bit.
- 5) 2 AA batteries

Note - The irrigation system works best if the psi is between 10 and 80. If the psi is greater than 80, then a pressure regulator (not included) should be installed before connecting the water source to the garden.

Important – Like all outdoor irrigation systems, your H<sub>2</sub>O unit must be winterized each year. The best way to do this is to remove the timer unit by undoing the unions that are under the mounting straps. Undo coil hose and bring it and the timer indoors. Next, blow out all the water lines and hoses with compressed air. Failure to do so may cause components to crack.

## Preparation

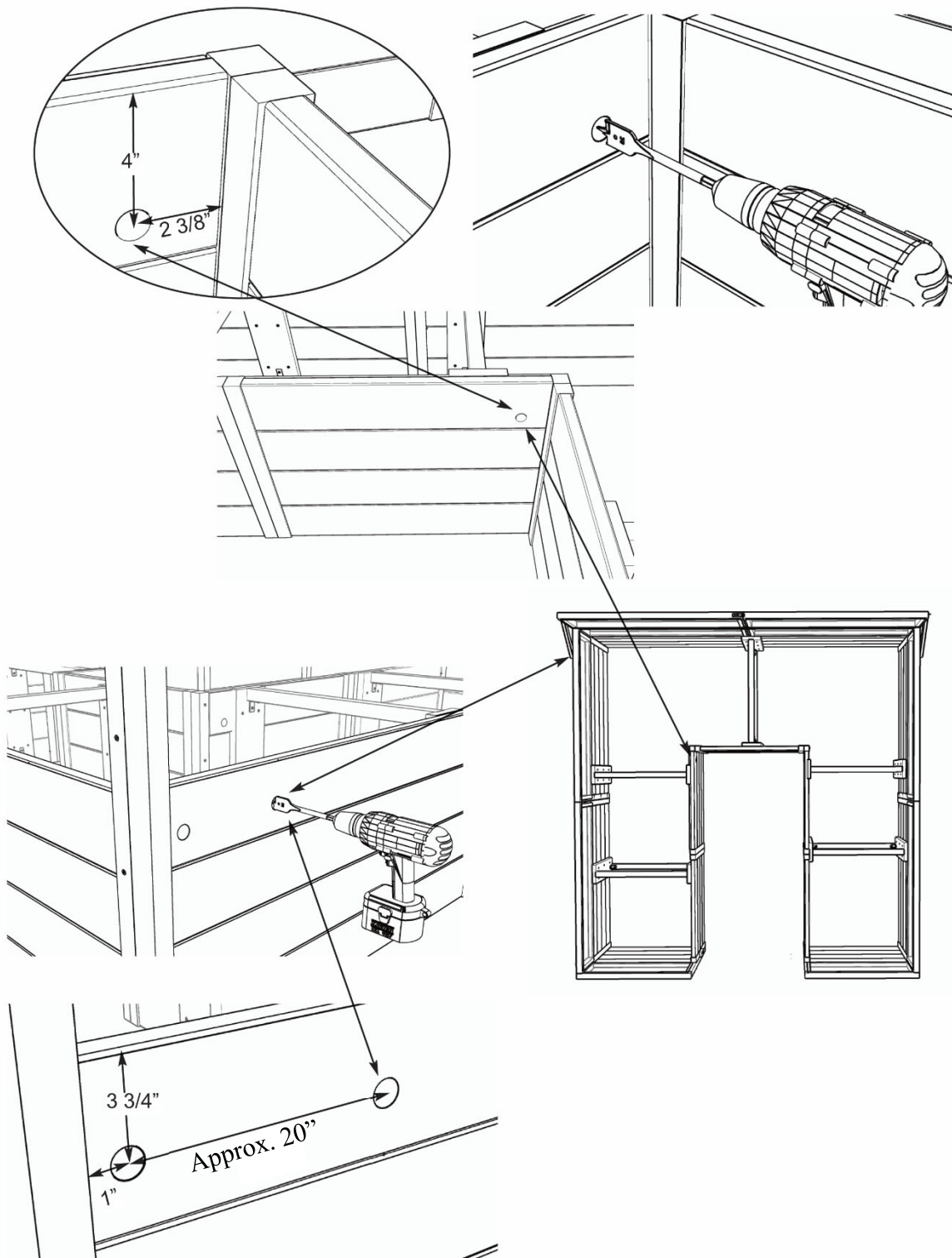
Remove the timer, connected fittings and all other parts from the box and review the timer instructions.



**Step 1** - Locate the 48" piece of tubing. Connect 48" piece of blue tubing into the blue fitting that is on the right, by the shut-off valve, firmly pressing the tubing into the blue fitting. Ensure blue tubing is tight or leaks may occur. You may need a second person to help make sure it is tightly fastened. Next, loosen the left union (with 4" blue tubing), spin elbow 90° counter-clockwise, then re-tighten union.

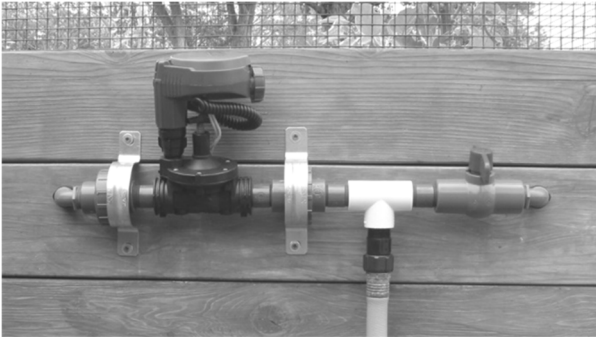


**Step 2** - The timer assembly can be attached to either the right or left side of your garden structure. The coil hose will be mounted near the top of the raised bed, inside the walkway. It will be necessary to drill three holes through the lumber in order to install the automatic watering system. **See Page 3** illustrations indicating where holes need to be drilled.

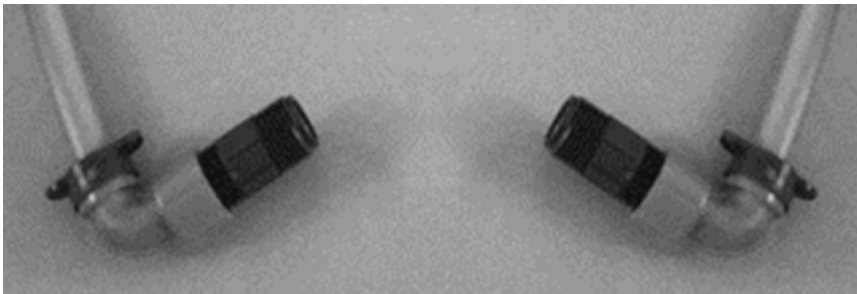


**Step 3** – Start with the interior panel first, with a  $\frac{3}{4}$ " Spade Bit, drill 4" down and 2  $\frac{3}{8}$ " from the end, as shown at the top of the illustration on this page. Now drill the outside panel holes following the lower part of the illustration on this page. One hole will be drilled 1" from the inside of the 2x2 frame and second is approximately 20" from that mark. Hole location is important so mark holes first with a pencil and then hold the timer assembly up to confirm.

**Step 4** - Put the tubing through the circular holes on the outside panel. Locate the two straps and place them around the unions. Use the straps with washers and 1" screws to secure the irrigation unit to the outside of the garden structure. Don't overtighten!



**Step 5** – The long hose will feed through the other  $\frac{3}{4}$ " hole on the inside panel. Long hose may need to be cut shorter so it extends 1" past inside panel. Attach 90 degree elbow with hose nipple to each blue hose end on the inside. See picture below.



**Step 6** – Next attach the hose holder at the location shown in picture below.

Standing inside the garden, measure 6" down and 6" from the end of the applicable board and mark the spot. Attach the hose holder to the board just marked.

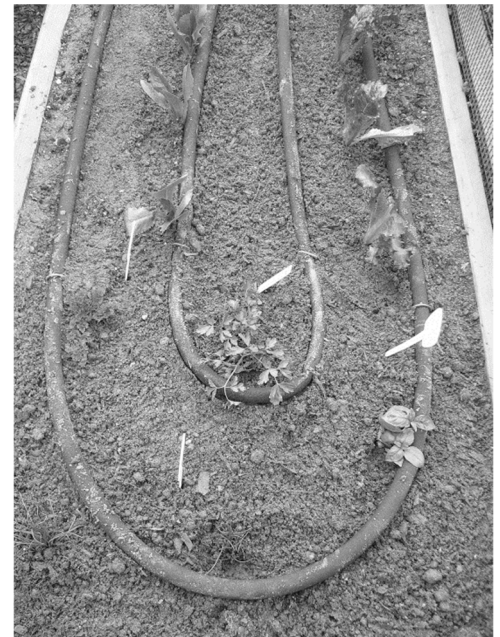
Place the coil hose around the hose holder. Then connect the female end of the coil hose to the black hose adaptor that is attached to the 48" piece of tubing. Attach the vegetable sprayer to the male end of the coil hose.



**Step 7** - Place two AA batteries (not included) in the controller and set the controller according to the manufacturer's instructions. We recommend watering the garden twice a day for 2 - 4 minutes each time. Connect a garden hose to the garden hose adaptor at the T-fitting to test the system. Twist the shut off valve open to flush out any rocks or debris that might have gotten into the pipes. Briefly turn the water on from the water source to make sure there are no leaks. Then, close the shut off valve. Turn the water on again from the water source and press the manual system button on the controller to make sure water comes out of the blue fitting with the 4" tubing. Correct any leaks by tightening fittings as necessary, before moving on to the next step. **The shut off valve should remain in the closed position except while the coil hose is being used.**

**Step 8** - After the garden bed has been filled with soil, unwind the soaker hose. Then, attach one end to the soaker hose adaptor to the 90 degree elbow. Place the soaker hose on top of the soil so that it winds through the garden beds. Use the earth staples to hold the hose in place. Plant vegetables close to the soaker hose to ensure they will receive adequate water. Enjoy your garden!

The soaker hose is ideal for the 8x12 model. The hose can be cut shorter for the 8x8 model if needed.





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### **Packing List**

- (1) Coil hose
- (1) Sprayer
- (1) Hose holder
- (1) 75' soaker hose
- (25) Earth staples
- (2) 2.5" straps with (4) washers and (4) screws
- (1) Controller
- (1) Blue tubing 4"
- (1) Blue tubing 48"
- (2) 90 degree elbows.