

## PART 1 - NXT TO NXT2 TIMER CONVERSION - CONVERTING 2750, 2850 & 2900 VALVES

**NOTE:** Valves manufactured before 2008 will require the powerhead to be replaced with the updated powerhead to be compatible with the new NXT2 timer.

### NECESSARY TOOLS

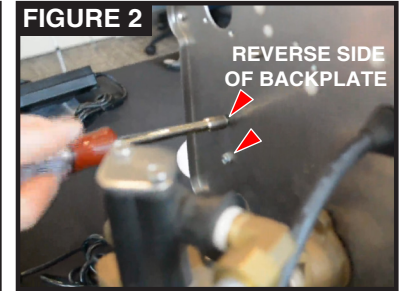
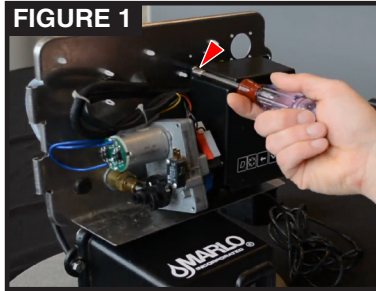
Phillips Head Screwdriver, Flat-Head Screwdriver or 1/4" Nut Driver, Small Flat-Head Screwdriver, Channel Lock/Wise Grip or Plier

### STEP 1: REMOVE THE VALVE COVER

Loosen the cover's locking screw. Pull out the hinge pin and remove the valve cover.

### STEP 2: REMOVE THE OLD NXT TIMER

Remove the positioning screw located on the upper left corner of the NXT (See Figure 1). Remove the 2 hinge screws on the reverse side of the backplate (See Figure 2).



### STEP 3: DISCONNECT THE OLD NXT WIRING

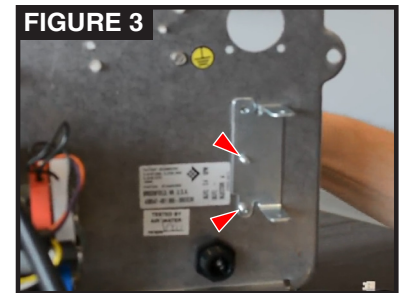
Confirm the valve is unplugged from any power source. Disconnect the Power wire, Harness wire, and Lower Drive wires (if present) from the NXT.

### STEP 4: REMOVE TRANSFORMER POWER CABLE

Disconnect the ground wire from the backplate. Pinch the cord grip underneath the base of the backplate to remove the power cable.

### STEP 5: INSTALL HINGE BRACKET

Align the lower two holes of the hinge bracket with the two holes on the backplate. Confirm the the hinge portion of the bracket is facing right. Secure bracket with screws (See Figure 3).



### STEP 6: INSTALL THE NXT2 POWER CABLE

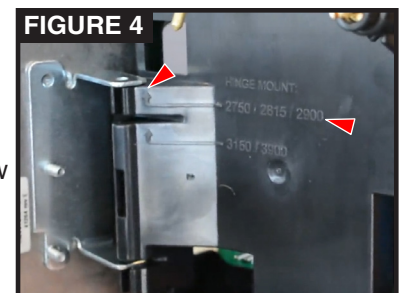
Attach the cord-grip to the power cable. Feed the power cable from underneath the base of the backplate through the hole. Pinch and push the cord-grip into place.

### NOTE- NXT2 TIMER HINGE PIN LOCATIONS

The NXT2 upper hinge slot fits the 2750, 2815, 2850, and 2900 valves. The lower slot fits the 3150 and 3900 valves. Additional 3150 and 3900 conversion steps are covered in part 2.

### STEP 7: INSTALL THE NXT2 TIMER ONTO THE HINGE BRACKET

Notice the valve-specific hinge location markings on the back of the NXT2 timer. Attach the NXT2 to the hinge bracket in the 2900 position using the hinge pin (See Figure 4).



### STEP 8: REMOVE PLUG FROM BACKPLATE MOUNTING HOLE

The NXT2 sits slightly lower on the backplate than its predecessor. The mounting screw hole will require the removal of a plastic plug before mounting the NXT2. Remove the plastic plug from the lower hole (See Figure 5).



### STEP 9: REMOVE THE NXT2 CIRCUIT BOARD

For easier access to the wiring terminals on the NXT2, press the 2 tabs at the top of the circuit board assembly and pull the circuit board out.

### STEP 10: ROUTE WIRING THROUGH THE BACK OF THE NXT2 HOUSING

Route microswitch wire and power cable through the lower left opening. Route the lower drive cable through the upper left opening.

### STEP 11: CONNECT WIRING TO THE NXT2 TERMINALS

Connect the Harness wire which includes the microswitch wires, power cable, and lower drive wires. Connect the black & white lower drive wires to the blue terminal marked Lower Drive using a small flat-head screwdriver.

### STEP 12: (OPTIONAL) WATER METER WIRING

If there is a water meter on the unit, route the meter cable through the opening on the lower right of the back of the NXT2 housing. Connect cable to the meter terminal on the circuit board.

### STEP 13: RETURN WIRED CIRCUIT BOARD TO NXT2 HOUSING

Align the lower tabs on the circuit board with the slots on the bottom of the NXT2 housing. Then align the top two tabs and push the circuit board into place.

**STEP 14: CLOSE NXT2 TIMER & SNAP INTO PLACE**

Swing the NXT2 timer assembly toward the backplate. Push the locking pin on the timer through the docking hole on the backplate.

**STEP 15: INSTALL THE VALVE COVER**

Align the hinges on the cover with the hinges on the backplate. Secure the cover with the hinge pin.

**NOTE:** The conversion of the 2750, 2850, or 2900 valve is now complete. The following additional steps are required to do this conversion on 3150 & 3900 valves.

**PART 2 - NXT TO NXT2 TIMER CONVERSION - CONVERTING 3150 AND 3900 VALVES****NECESSARY TOOLS**

1/4" Nut Driver, Hammer, Flat Head Screwdriver, Phillips Head Screwdriver, Punch, and Punch Surface

**NOTE: THE NXT2 HINGE BRACKET**

Use the top two mounting holes on the hinge bracket when installing it on the backplate. Note the indicated hinge location on the back of the NXT2 timer.

**STEP 1: MOUNT THE HINGE BRACKET ON THE BACKPLATE**

Secure the hinge bracket to the backplate using the top two mounting holes. Confirm the hinges on the bracket are facing right.

**NOTE: ADDITIONAL PARTS FOR ALTERNATIVE INSTALLATION METHOD**

The manufacturer provides a poly bag of additional parts with the conversion kit. An alternative installation method using the additional parts will be covered later in this video.

**STEP 2: REMOVE THE PLASTIC PLUG FROM THE LOWER DOCKING HOLE**

The NXT2 will dock in the lower of 2 holes on the backplate of the 3150 & 3900. Remove the plastic plug from the lower hole.

**STEP 3: MOUNT THE NXT2 TIMER ONTO THE HINGE BRACKET**

Notice the valve-specific hinge slot locations on the back of the NXT2 timer. Attach the NXT2 to the hinge bracket in the 3150 position using the hinge pin.

**STEP 4: LOCK THE NXT2 TIMER INTO PLACE**

Swing the NXT2 timer assembly toward the backplate. Push the locking pin on the timer through the docking hole on the backplate. See Part 1 for remaining conversion steps.

**NXT2 TIMER ALTERNATIVE MOUNTING**

The manufacturer provides additional parts for an alternative method of mounting the NXT2 timer. Assuming your hinge bracket is already installed, the following steps show the alternative mounting.

**NXT2 ALTERNATIVE MOUNTING STEP 1: REMOVE PLASTIC PLUG**

The NXT2 will dock in the lower of 2 holes on the backplate of the 3150 & 3900. Remove the plastic plug from the lower hole.

**NXT2 ALTERNATIVE MOUNTING STEP 2: PREPARE VELCRO DOTS**

The additional parts pack comes with a screw and 2 velcro dots. Using a punch, hammer and a block of wood, punch a hole in the center of one of the dots. Insert the screw into the punched dot.

**NXT2 ALTERNATIVE MOUNTING STEP 3: REMOVE THE LOCKING PIN**

There is a locking pin on the back of the NXT2 timer in the upper right corner. Remove the locking pin using a flat-head screwdriver.

**NXT2 ALTERNATIVE MOUNTING STEP 4: ATTACH THE VELCRO DOT**

The locking pin is replaced with the punched velcro dot and screw. Using a phillips-head screwdriver, attach the velcro dot to the NXT2 timer.

**NXT2 ALTERNATIVE MOUNTING STEP 5: ATTACH 2ND DOT TO BACKPLATE**

Peel the backing off of the adhesive side of the 2nd velcro dot. Center the dot over the mounting hole and press the dot to the backplate.

**NXT2 ALTERNATIVE MOUNTING STEP 6: MOUNT THE NXT2 TIMER**

Attach the NXT2 to the hinge bracket in the 3150 position using the hinge pin. Swing the NXT2 toward the backplate and lock in place with the velcro dots.

**NXT2 CONVERSION COMPLETED**

Installation steps specific to the 3150 & 3900 valves are now complete. See Part 1 for the remaining steps of the NXT to NXT2 timer conversion.