

**MONTARA WATER FEATURE**  
**General Operation & Maintenance Instructions**



**MAW-4848**



**MAW-9648**



**MAW-14448**

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You can find information about caring for Tournesol products and materials by visiting:  
<https://tournesol.com/asset/64a79c5f5c2eb/Care%20Maintenance%20Warranty.pdf>  
where you can download Care & Maintenance documents.

## WATER QUALITY

### NOTE

*Your local pool or spa dealer is the best source of supplies, information, and planned maintenance for your water feature.*

## GENERAL OBJECTIVE

Chemical treatment may be required to maintain clear water and inhibit algae and other biological growth. Please refer to your maintenance plan for specific guidance.

## GENERAL PROCEDURE

Water features are systems that can require varying amounts of treatment throughout the year. As such, test methods are essential to determine the water's current status and the appropriate treatment. Water pH measures how acidic or basic the water is on a scale of 0-14, with 7 being neutral.

- 1) Adjust pH: Use a test kit to adjust the water's pH level between 7.2 and 7.8. Use muriatic acid to lower pH and use baking soda to raise pH.
- 2) Stabilize the water: Apply a water conditioner as directed on the product label.
- 3) Frequent Testing: Regularly test the water to ensure the pH remains within the proper range.
- 4) Cloudy Water: If the water becomes cloudy, repeat steps 1 and 2 to restore clarity. If needed, drain the feature, clean the surfaces with a commercial cleaner designed for fountains, rinse thoroughly, refill, and adjust the pH as necessary.

## GENERAL INSTRUCTIONS

Several general operations and maintenance will be accomplished by moving and/or removing the water bowl above the utilities (water in, drain, pump, etc.). Typically, the water bowl will not be installed prior to initial assembly and operation.



**POWER to WATER FEATURE to be OFF FOR MAINTENANCE**

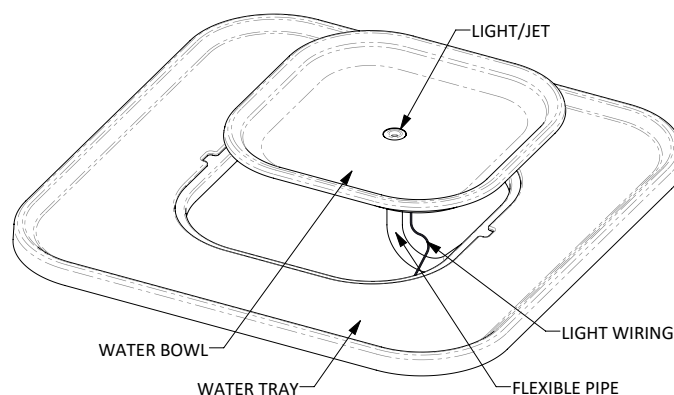


## BOWL LIFT

To access the fill valve, drain, flow adjustment, and other components, you may need to lift the water bowl above the sump pocket. There are two pockets that will allow finger access to lift and edge and then tilt the bowl up. Be cautious not to damage the bowl, tray, light, wiring, or plumbing.

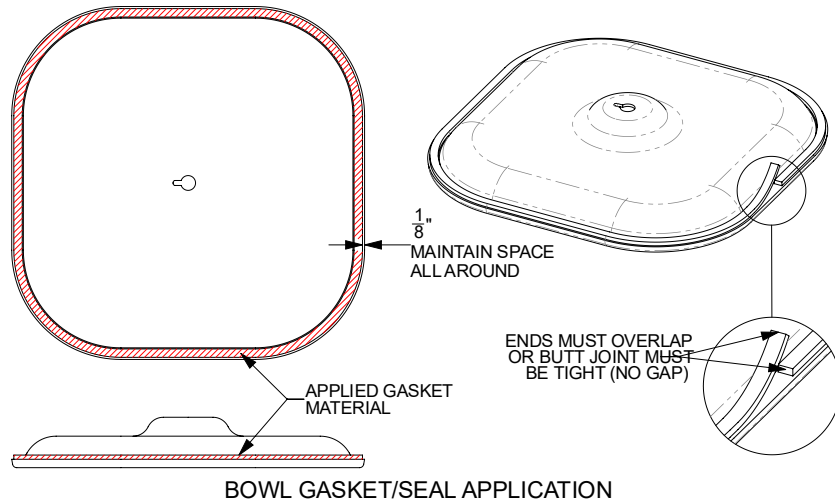
## REPLACE BOWL

Once maintenance is complete, verify that the gasket on the backside of the bowl is still attached and in good shape and clean of debris. Make sure the inside ledge of the tray is clean and carefully place the bowl into the tray pocket. Center the bowl on the tray so there is a consistent size gap all around.



LIFT BOWL - SET TO SIDE

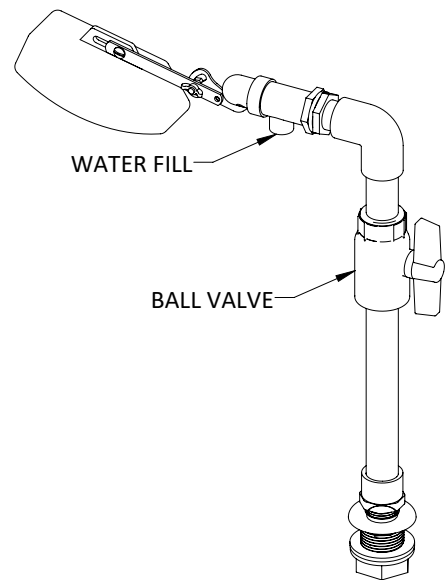
Note: If the bowl gasket is damaged and/or requires replacement, it will be necessary to obtain new gasket material and re-apply to the bottom of the bowl. See the water feature installation instructions for additional details on application.



## FILLING

Refer to the “Utility Layout Drawing” for your specific water feature.

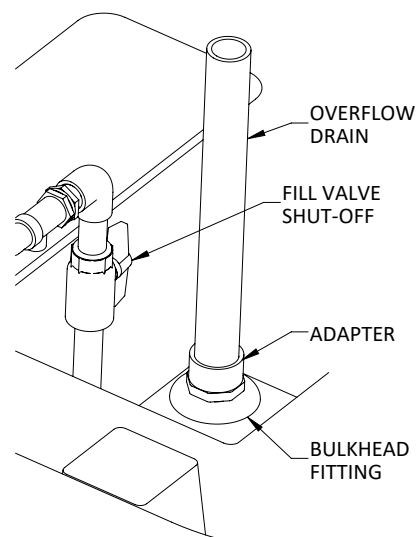
- 1) Turn off the main power to the water feature.
- 2) Remove the bowl above the sump (for multi-unit versions, remove the bowl above the sump where the pump is located). It may not be necessary to completely remove the bowl—just set it aside, keeping jet plumbing and wiring attached.
- 3) Open the auto-fill valve to manually fill the unit (via the ball valve).
- 4) Adjust the float on the auto-fill valve to the desired level (as indicated in the drawing for your unit). Keep in mind, the water level may lower once the bowl and tray fill.
- 5) Replace the bowl and secure it after ensuring the water feature operates properly. (Flow adjustments may be needed.)
- 6) Turn the main power back on and verify the water feature is operating as intended.



## DRAINING

See "Utility Layout Drawing" for your water feature.

- 1) Turn off main power to the water feature.
- 2) Lift the bowl above the sump, following the same procedure as outlined in the filling instructions.
- 3) Close the auto-fill valve to prevent new water entering the basin reservoir.
- 4) If your feature includes filter media at the top of the sump, remove it to gain better access to the drain.
- 5) Unscrew the overflow pipe by twisting it counter-clockwise (making sure the adapter stays attached).
- 6) Once emptied, reattach the overflow pipe by hand (clockwise).

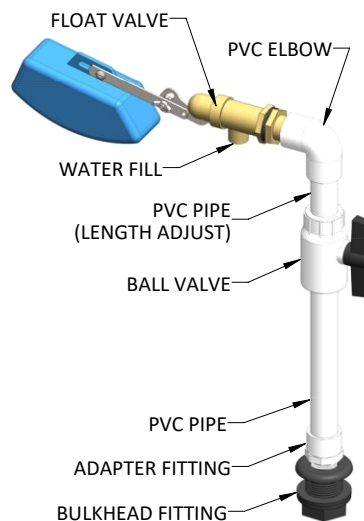
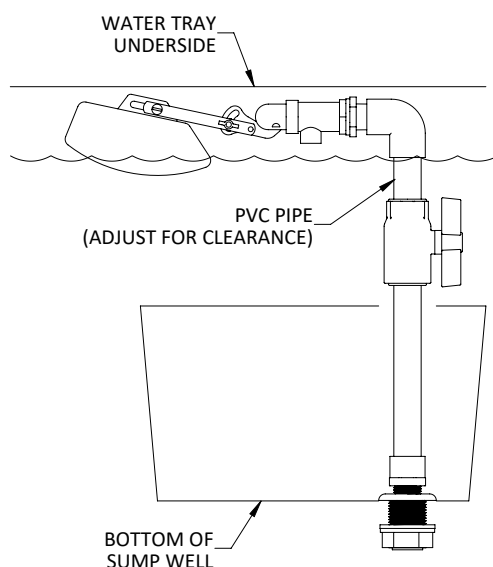


## RESERVOIR WATER LEVEL ADJUSTMENT

Refer to the Auto Fill Valve data sheet for more detailed information:

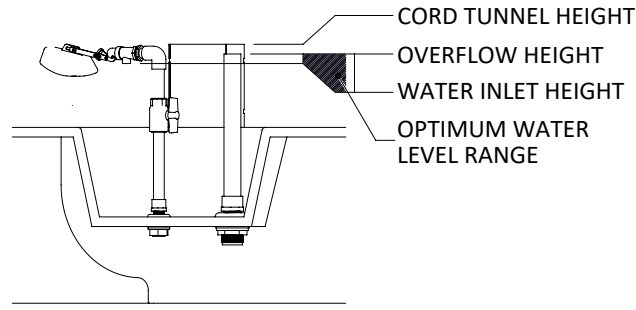
- 1) Lift the bowl above the sump pocket.
- 2) Adjust the float valve: A) Lower the arm to decrease the water level. B) Raise the arm to increase the water level.
- 3) Fine-tune the float position until it is level when the water is at the desired level..
- 4) If needed, drain excess water as per the draining instructions and replace when the desired level is reached.
- 5) To stop the water flow, manually raise the float. The pressure should stop as you adjust.
- 6) Once the correct water level is achieved, replace and secure the bowl.

\*\*\*Does this need an illustration showing the appropriate depth of water and proximity to tray/bowl?



**CAUTION!**

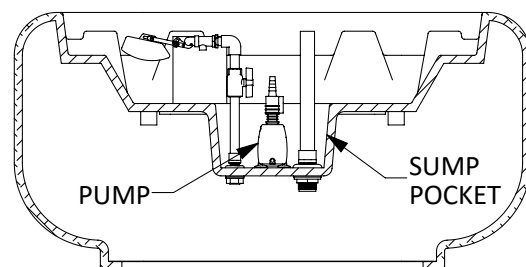
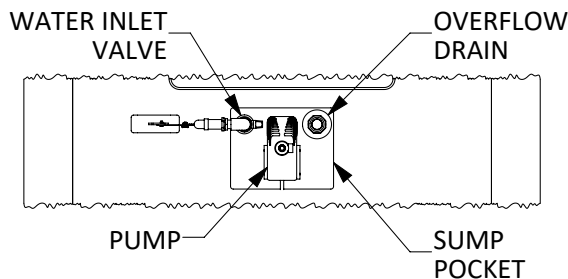
Water level should never rise above the set level of the overflow drain. Should the float valve continue to add water and the water level does not increase, lower the float valve until flow stops.

**PUMP REPLACEMENT****NOTE**

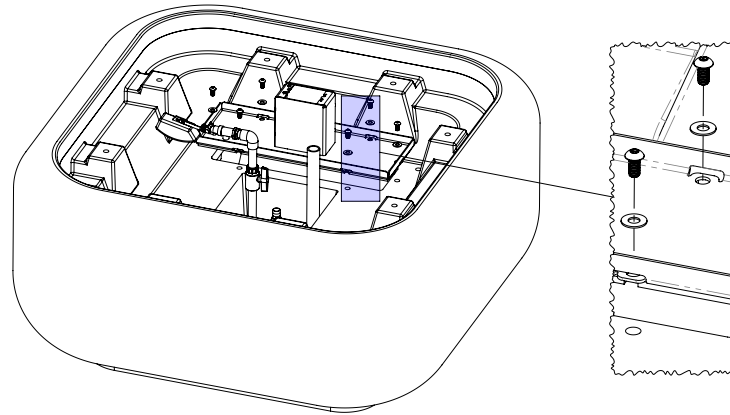
*Please refer to the pump data sheets to identify the parts described in this section.*

**TURN OFF MAIN POWER TO WATER FEATURE**

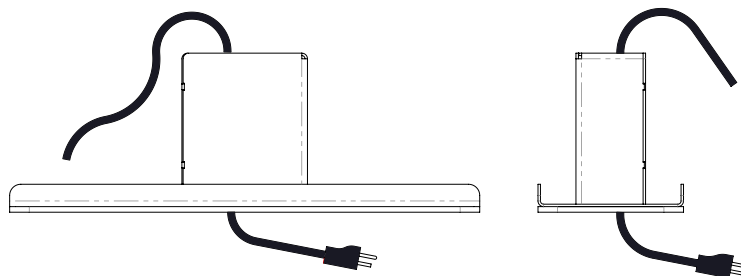
- 1) Turn off the main power to the water feature.
- 2) Locate the malfunctioning pump and disconnect it from the hose connector.
- 3) Access the pump's power cable pass-through by removing the basin access panel.
- 4) Unplug the pump power cord from the outlet.
- 5) Remove the pump power cable from the pass-through of the panel.
- 6) Place the new pump into the sump pocket, route the power cord through the cable pass-through, and reattach the pass-through to the panel.
- 7) Plug the new pump into the outlet.
- 8) Reinstall the access panel and follow the filling instructions to refill the water feature.
- 9) Turn the main power back on to verify the new pump is functioning.



Pump Positioning



Access Panel Attachment



Pump Power Cord Through Access Panel

## LIGHT/JET REPLACEMENT

### NOTE

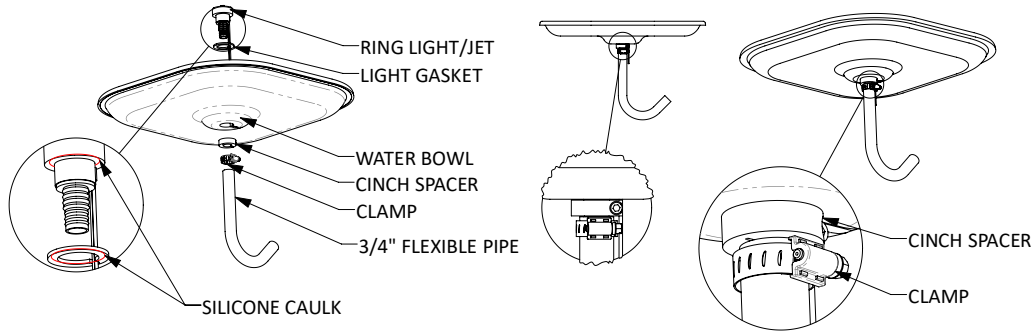
*Refer to the light/jet data sheets to identify the parts described within this section.*



### TURN OFF MAIN POWER TO WATER FEATURE



- 1) Turn off the main power to the water feature.
- 2) Lift the bowl with the non-working light/jet.
- 3) Loosen the clamp on the flexible pipe and disconnect it from the light/jet.
- 4) Remove the cinch clamp on the underside of the bowl from the light/jet.
- 5) Disconnect the light cord from the light transformer within the cord tunnel.
- 6) If necessary, lift the tray above the pump to access this electrical connection.
- 7) Remove the light and gasket from the bowl.
- 8) Replace the malfunctioning light/jet and reconnect it to the wiring and plumbing following the installation instructions for your unit (replace gasket, seal, clamp light, clamp tubing, connect to transformer).
- 9) Follow the filling and water level adjustment instructions after reassembly.



**Light Attachment**

### SINGLE LIGHT/JET UNIT

- 1) Refer to filling and water level adjustment instructions (previous pages) before resuming operation.

### DOUBLE OR TRIPLE LIGHT/JET UNITS

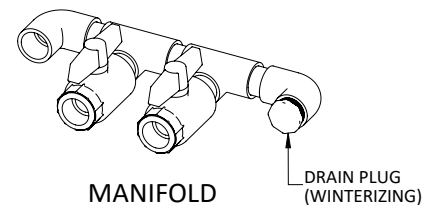
- 1) Refer to filling and water level adjustment instructions (previous pages) before resuming operation.

### CLEAN-UP

- 1) Use a soapy solution and a hard-bristle brush to remove dirt and stains.
- 2) For tougher stains, use a stronger cleaner or contact Tournesol Siteworks for recommendations on cleaning methods.

### WINTERIZING

- 1) Turn off main power to water feature.
- 2) Follow the draining steps outlined earlier to empty the basin.
- 3) Lift the bowl above sump pocket.
- 4) Remove any tubing from pump, manifold, and winterizing cap allowing water to drain into the basin and sump pocket.
- 5) Reinstall the drain and tighten it by hand.
- 6) Replace the bowl and secure it.
- 7) If any water remains in the plumbing, use compressed air to purge it before reattaching the overflow drain



### ADJUSTMENT OF WATER JET FLOW

Refer to the Plumbing and Utility Layout drawings of your water feature.

#### **NOTE**

*To fully open, turn handle to align with valve body. To fully close, turn handle across valve body.*

- 1) Lift the bowl as previously instructed.

## General Operation &amp; Maintenance Instructions

- 2) For single-jet systems, adjust the ball valve within the basin feeding the jet to reach the desired flow.
- 3) For multi-jet systems, adjust the manifold ball valves within the basin in small increments until all jets reach the desired flow.
- 4) Replace the bowl and secure once the desired flow is achieved.

Note: Ideally, when the bowl and tray are full of water, the bubbling jet should extend about 1" or 1-1/2" above the water surface.

