



FT-423 Savannah Estate Fountain

Assembly Instructions

Fountain Information:

- Professional installation is recommended for this fountain!
- This fountain holds approximately 240 gallons of water.
- This fountain uses a medium fountain cover but does not cover the basin: FTNCOV-MED
- Compatible with #10 Refill Device and LED kit
- A special stopper is required to use the refill kit for this fountain

Pump Information:

OEMPP800 - 800 GPH Pump (16 ft. cord length)



Tools Required:

Bubble Level
Screwdriver



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Fountain Components			
Image	Item Description	Component Item #	Quantity
	Savannah Fountain - Finial	FT-388A	1
	Savannah Fountain - Sm Bowl	FT-388B	1
	Savannah Fountain-Sm Pedestal	FT-388C	1
	Savannah Fountain - Med Bowl	FT-388D	1
	Savannah Fountain - Med Pedestal	FT-388E	1
	Savannah Fountain - PH Door	FT-388F	1
	Savannah Estate Fountain - Lg Bowl	FT-423G	1
	Savannah Estate Fountain - Lg Pedestal	FT-423H	1
	Savannah Estate Fountain - Pedestal Base	FT-423I	1
	Savannah Estate Fountain - Pedestal Base Door	FT-423J	1
	Round 7.5' Fiberglass Fountain Basin	FGB-2020	1
	Newport Ftn. - Coping	FT-124K	8

Pump Kit Parts List		
Image	Component	Quantity
	PK800	2
	#10 Stopper	1
	#7 Wing nut drain stopper (DRAIN-7)	1
	Metal plug for hole in side of basin (already installed in basin)	1
Tubing Assemblies 1 and 2 (2)		
	Approx. 2" length of 1/2" CPVC pipe	1
	Approx. 2" length of 3/4" clear vinyl tubing	1
	Approx. 2" length of 5/8" clear vinyl tubing	2
	Approx. 60" length of 1/2" black non-kink tubing	1
Tubing Assembly 3		
	Approx. 1" length of 1/2" CPVC pipe	1
	Approx. 1" length of 5/8" clear vinyl tubing	2
	Approx. 15" length of 1/2" black non-kink tubing	1
Tubing Assembly 4		
	Approx. 1" length of 1/2" CPVC pipe	1
	Approx. 1" length of 5/8" clear vinyl tubing	2
	Approx. 10" length of 1/2" black non-kink tubing	1
	5/8" Red Cap	1
	2.8 oz. tube of silicone	1
	Wedges	22
	Wood Spacers for Installation	8
	Hose Clamps	5

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Professional installation is recommended for this fountain! Assemble your fountain on a level surface using crushed stone, gravel, or cement pad as the base.

Fountain Set-Up:

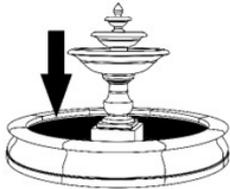
Assembly & Installation - A fountain can be difficult to install without knowing and understanding the steps involved. To ensure your fountain is installed properly, please read our instructions and tips before you begin.

- Step 1 - Seek Professional Help:** Check if professional installation is recommended for your fountain.
- Step 2 - Check Foundation:** Place your fountain on a level surface. It is recommended to place your fountain on concrete or a hard packed gravel pad. If the base is level but some components seem off, rotate components or use wedges to level them.
- Step 3 - Create a Drip Loop:** To prevent water from dripping down the cord and damaging the electrical socket, create a drip loop by allowing the pump power cord to fall below the wall outlet.
- Step 4 - Use a GFCI Outlet:** Use only a GFCI outlet when running a fountain.

Assemble your fountain on a level surface capable of holding a minimum of 4609 lbs with an approximate 75 sq. ft. footprint (actual dimensions 103" Diam.).

Step 1 - Place the fiberglass basin where the fountain is to be installed.

1a - Be sure to check that each part is level and centered during the assembly of this fountain.



FGB-2020 (260 lbs)
90"W x 10"H

Step 2 – Screw the pump adapters onto the pumps. Each pump only comes with 1 size adapter.

Note: The adapters for these pumps include ball valves for water flow control.

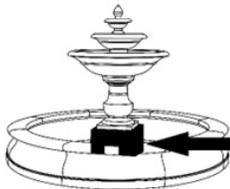
Step 3 - Spread a thin amount of silicone on both pump cords approximately 3 feet from the pumps and fit them into the double holed stopper.

Step 4 - Feed the pump cords through the hole in the basin.

Step 5 - To ensure a level installation, make sure that you run the remaining cord through the channel in the bottom of the basin.

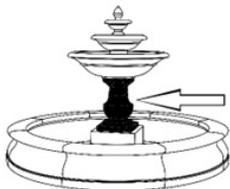
Step 6 - Press stopper firmly and evenly into the hole of basin.

Step 7 - Spread a thin bead of silicone around the perimeter of the stopper, slit in the stopper, and around the pump cords.



FT-4231 (245 lbs)
21"W x 12"H

Step 8 - Place the fountain base / pump house (FT-4231) over the pumps and the cords.

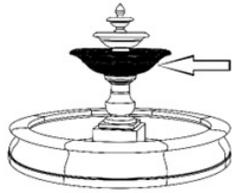


FT-423H (195 lbs)
15.75"W x 24"H

Step 9 - Center the large pedestal (FT-423H) on top of the base.

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FT-423G (240 lbs)
46"W x 11.25"H

Step 10 – Insert the CPVC ends of Tubing Assemblies 1 and 2 into the two CPVC couplings in the **bottom** of the large bowl (FT-423G)

Step 11 – While lowering the large bowl (FT-423G) onto the large pedestal (FT-423H), feed the loose ends of Tubing Assemblies 1 and 2 through the pedestal and into the pump house (FT-423I).

Step 12 – Connect Tubing Assemblies to the pumps.

Step 13 – In the **top** of the large bowl (FT-423G), connect Tubing Assembly 3 over the smaller diameter CPVC pipe.

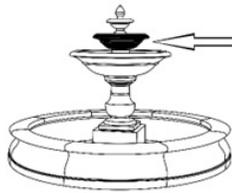
Step 14 - Insert the #7 Drain Stopper into the 1" drain hole of the large bowl (FT-423G).



FT-388E (24 lbs)
10"W x 9.75"H

Step 15 - Center the medium pedestal (FT-388E) in the large bowl (FT-423G).

Step 16 - Feed the tubing connected to the pump through the top of the medium pedestal (FT-388E).



FT-388D (64 lbs)
25.25"W x 7.25"H

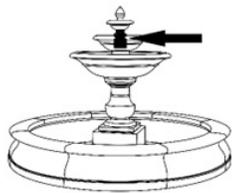
Step 17 - Insert both CPVC end of Tubing Assembly 3 into the center CPVC coupling in the bottom of the medium bowl (FT-388D).

NOTE: Keep track of which coupling Tubing Assembly 3 was installed into.

Step 18 - Center the medium bowl (FT-388D) over the medium pedestal (FT-388E).

Step 19 - Attached the clear end of Tubing Assembly 4 to the center piece of CPVC pipe protruding from the inside center of the medium bowl (FT-388E).

Step 20 – Use the 5/8" red cap provided to cover the exposed pipe in the medium bowl (FT-388D).



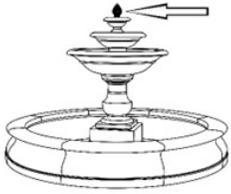
FT-388C (4 lbs)
6.75"W x 7.75"H

Step 21 - Holding the small pedestal (FT-388C) over the medium bowl (FT-388D), feed the loose end of Tubing Assembly 4 through the center hole.

Step 22 - Center the small pedestal (FT-388C) in the medium bowl (FT-388D).

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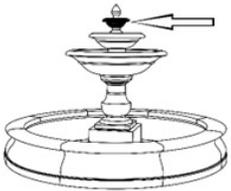
Assembly Instructions



FT-388A (4 lbs)
4"W x 9"H

Step 23 - Connect the finial (FT-388A) to the inside of the small bowl (FT-388B).

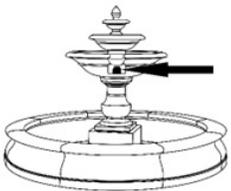
Note: The finial and small bowl fit together tightly. Gently rotate the finial left and right while pushing it into the bowl until the two pieces are secure.



FT-388B (10 lbs)
12"W x 4.25"H

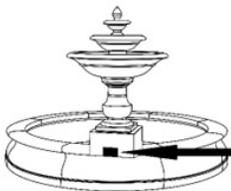
Step 24 - Holding the small bowl (FT-388B) over the small pedestal (FT-388C), insert the CPVC end of Tubing Assembly 4 into the CPVC pipe in the bottom of the bowl.

Step 25 - Center the small bowl (FT-388B) on the small pedestal (FT-388C).



FT-388F (3 lbs)
6.25"L x 2"W x 5.25"H

Step 26 - Place the small pump cover door (FT-388F) into the medium pedestal (FT-388E).

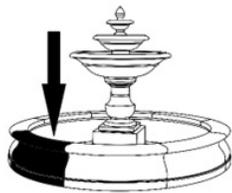


FT-423J (24 lbs)
7.5"L x 5"W x 6.75"H

Step 27 - Place the large pump house door (FT-423J) into the fountain base / pump house (FT-423I).

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!! STOP !! - Please watch [video](https://www.youtube.com/watch?v=TI6B9O-JWU0) before installing copings.
<https://www.youtube.com/watch?v=TI6B9O-JWU0>



FT-423K (282 lbs)
38"L x 9"W x 15"H

Step 28 - Place 1 piece of coping (FT-124K) directly against the fiberglass basin (FGB-2020).

Step 29 - Place 1 wood spacer against the bottom outer edge of the first piece of coping.

29a - Leave about 1" of the spacer sticking out for easy removal.

Step 30 - Position the second coping against the wood spacer and basin.

Step 31 - Repeat steps 28 and 29 until only 1 piece of coping is not in place. There should be a gap between copings where the inside corners meet.

Step 32 - Insert 1 plastic wedge about 3" from each edge of the 7 copings already installed. (This reduces the gap in the inner circle of the coping).

Step 33 - Carefully push the final piece of coping into place and place the 2 wedges under.

33a - Adjust the other copings as needed to form a circle.

Step 34 - Remove the wood spacers.

Step 35 - Let the silicone set for 24 hours before filling the fountain with water.

Maintenance:

Pump Care - The fountain relies heavily on the quality of the pump. A well-maintained pump can last several years.

- Step 1 - Fully submerge:** Ensure the pump is fully submerged at all times to avoid damage.
- Step 2 - Ensure water level is sufficient:** Check water levels regularly as water may evaporate over time, and periodically change water to avoid algae buildup.
- Step 3 - Clean pump:** Use soap and water, or white vinegar and water, with a small, soft brush to clean the pump of debris, dirt, and algae buildup. This should be done every 2-3 months.

Surface Care - Paints and finishes may fade over time due to weathering. By following these tips, you will be able to maintain your fountain's surface.

- Step 1 - Control Algae and White Scale:** Due to water evaporation, you may see white residue on your fountain surface from the mineral content in your water supply. Algaecides and cleansers can help prevent buildup that occurs from minerals and hard water.
- Step 2 - Protect and Refinish:** Depending on the material of your fountain, protectants and sprays may prolong the appearance of the surface. Paint and refinishing kits can be used for touch-up.

Winter Care - Many materials used to produce fountains can expand and contract in different temperatures/humidity levels. If the temperature falls below 32°F or humidity levels change drastically, follow the steps below to protect your fountain.

- Step 1 - Bring inside:** If possible, bring your outdoor fountain inside for the winter.
- Step 2 - Store in dry location:** If unable to bring inside, store your fountain in a dry and covered location.
- Step 3 - Bring components inside:** Move all internal components (stoppers, tubing, lights, pump, etc) inside. *A pump can stay in a fountain for the winter, but if you choose to leave it in, it must be completely dry and insulated with plastic bags and towel to ensure it stays dry. However it is recommended to bring it inside.*
- Step 4 - Completely drain:** It is important to prevent water from accumulating anywhere, as freezing and thawing of water can cause pump damage and cause cracks to form in your fountain. Remove the drain plugs.
- Step 5 - Elevate Fountain:** Fountains may freeze to the ground and cause cracking in the base if left outside in the winter. If unable to store inside or in a dry covered location, try to raise your fountain above ground.
- Step 6 - Cover Fountain:** Make sure to use a breathable material when covering. **DO NOT COVER IN PLASTIC!** Make sure the fountain cover is taut so that no snow or water can pool in the cover. Tie the opening at the bottom of the cover around the fountain.

Troubleshooting:

Pump Not Working - When operating the pump for the first time, it can take a few minutes before water begins to flow properly. If it is still not working after a few minutes, please follow our troubleshooting tips below. **Before troubleshooting, UNPLUG YOUR PUMP.**

- Step 1 - Submerge Pump:** Ensure your pump is fully submerged in water at all times to avoid pump damage.
- Step 2 - Manual Check:** If the pump cover is removable, try removing the cover to access the impeller area. Turn the rotor to ensure it is not broken or jammed.

Pump Noise - Some sound from the pump may be normal, but you can follow these tips to reduce sound or resolve abnormal noises.

- Step 1 - Submerge Pump:** Ensure your pump is fully submerged at all times and clean of debris, dirt and algae buildup.
- Step 2 - Check Location:** You may hear the vibration of the pump touching the side walls of the fountain. Make sure the pump is only touching the bottom.
- Step 3 - Check Flow Rate:** Too low of a flow rate might cause spews or burps.

Water Flow Rate - Some fountains come with a dial or valve to adjust the flow rate, but if you do not have this option or if you are still unsatisfied with your flow rate after changing the settings, check out our tips below.

- Step 1 - Adjust the Water Level:** Insufficient water levels can affect water intake by the pump. Check the fountain instructions to ensure the appropriate water capacity for your fountain.
- Step 2 - Check for Kinks:** Check to make sure the tubing is not kinked. Kinks in the tubing can slow or halt the flow of water.
- Step 3 - Clamp the Hose:** To slow the water flow, try clamping the hose with a hose clamp or zip-tie.

Splashing - Having trouble with splashing? Some splashing is inevitable, especially when you first turn on your fountain, but if you are experiencing excessive splashing, try our troubleshooting tips below.

- Step 1 - Adjust the Water Level:** Ensure the pump is fully submerged, but avoid overfilling your fountain.
- Step 2 - Flow Rate:** If your pump includes a dial or valve to adjust the flow rate, try changing the settings to see if it affects splashing. If your pump is not adjustable, check our Flow Rate section to learn about other ways to change the flow rate.
- Step 3 - Adjust Position:** Try arranging stones or placing a splash guard, at the fountain base. You can also place a screen in the basin.

Leaking - If your fountain is leaking, check these quick tips on how to fix it.

- Step 1 - Adjust the Water Level:** Your fountain may leak if it is too full.
- Step 2 - Check Tubing:** Check that the tubing is attached completely and correctly.
- Step 3 - Check Stopper:** Ensure stopper is completely seated in the fountain. You can also use 100% pure clear silicone to ensure a proper seal is achieved.
- Step 4 - Cracking:** Your fountain may be cracked from improper winter care; see Winter Care in Maintenance Tips.