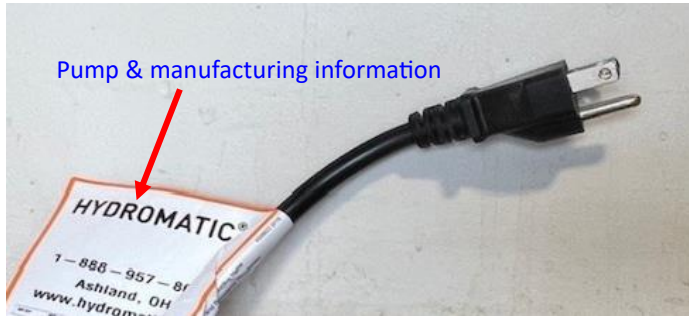


## SUMP PUMP PARTS AND MAINTENANCE

Power Cord



Float Cord



Plug the power cord into the float cord; if you plug the power cord directly into the electrical outlet, the power to the sump will be continuously activated leading the sump pump to malfunction and burn out.



Plug the float and the power cord combo, into the electrical outlet



When the sump pit is empty the float will be in a downward position (rest position).



Float in down/rest position

As the sump pit begins to fill with water, the float will rise, activating the sump to pump the water; when a sufficient amount of water is pumped out of the pit, the float will lower to the rest position again, deactivating the pump until the next time the pit fills



Float in activation position



## Exterior Maintenance

Prior to winter/freeze, always disconnect the sump discharge hose on the exterior of the house and store the hose in a safe place to prevent damaging it.

If there is residual water in the hose, it may freeze. In the spring when the pump is activated, if there is frozen water in the discharge hose, the pump won't be able to push the water through the hose and will run continuously, burning itself out and possibly overflowing the sump pit.

Spring, prior to melt, reconnect the hose. Try to reconnect the hose in a timely manner otherwise, water might pool on the ground outside of the foundation wall. It's always best to move the water away from the house.



Splash pad  
(purchased at  
hardware store)



Ready for winter!

These pictures show  
what not to do; the  
discharge hose is still  
attached and probably  
frozen.



## Frequently Asked Questions

Q. How do I test the pump to see if it's working?

Ensure there is power to the electrical outlet the pump is plugged into.

Plug the power cord for the pump directly into the power outlet (unplug it from the float plug); the pump should automatically turn on, if it doesn't, call Shield Foundation Repair to assist at 780.760.4900.

Q. How do I test the float to see if it's working?

Ensure there is power to the electrical outlet the pump is plugged into.

Remove lid to sump spit, insert your hand to manually raise the float. You will hear the pump activate. If the pump does not activate, call Shield Foundation Repair to assist at 780.760.4900.

Q. Will my pump work if there's no water in the pit?

If the pit doesn't fill with water, the float will not raise, and the pump will not be activated.

If the ground or weather is dry, the pit won't fill with water, therefore the pump will not be activated.

Q. Why does my pump continuously run?

The pump may run continuously if you plug the power cord directly into the electrical outlet instead of first plugging it into the float plug. This will cause the pump to needlessly run, eventually burning out the motor.

If there is no water in the pit, ensure the float isn't stuck in the upward position.

Q. What if I forget to disconnect the discharge hose from the exterior of the house prior to winter freeze?

If there is residual water in the hose, it may freeze. In the spring when the pump is activated, if there is frozen water in the discharge hose, the pump won't be able to push the water through the hose and will run continuously, burning itself out and possibly overflowing the sump pit.

Q. What if water freezes in the discharge hose?

If the pump is activated, but there is frozen water in the discharge hose, the pump won't be able to push the water through the hose and will run continuously, burning itself out and possibly overflowing the sump pit.

Q. What if I forget to reconnect the discharge hose to the exterior of the house prior to spring melt?

It's not the end of the world, however, if it's a wet year and the pump is pushing out water, the water will go out of the discharge connector and land straight on the ground outside of the foundation wall causing it to pool. It's always best to move water away from the house.

Q. Why do I need a splash pad?

The splash pad helps to move the water away from the foundation wall once it's been discharged. You can purchase one or a variation at your local hardware store.

Q. Is there a warranty on the pump?

The pump has a 3-year warranty. Warranty will void if the homeowner is negligent in maintenance (ie: plugs pump directly into the power outlet leaving the pump to run continuously or doesn't disconnect the discharge hose on the exterior of the house prior to freezing temperatures).

Note: Shield Foundation Repair only installs sump pumps, they do not manufacture them.