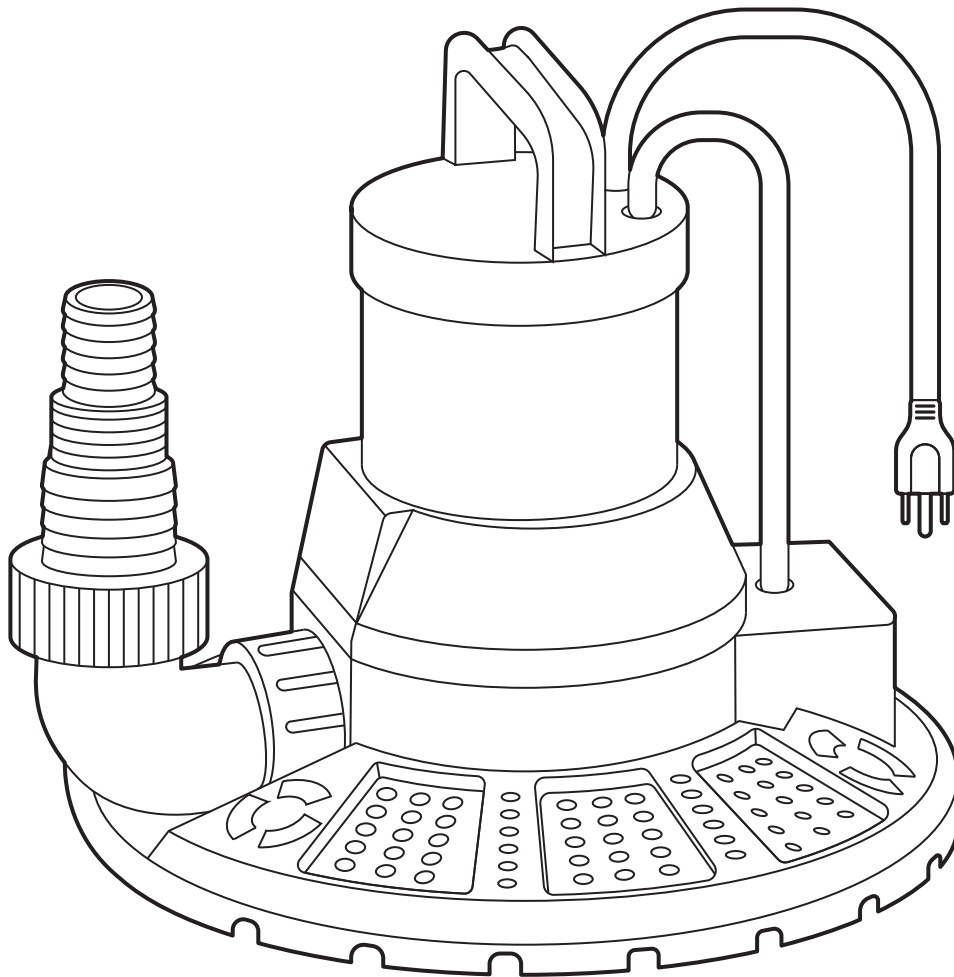


POOL COVER PUMP

Instruction Manual



WARNING: Read carefully and understand all ASSEMBLY AND OPERATION INSTRUCTIONS before operating. Failure to follow the safety rules and other basic safety precautions may result in serious personal injury.

TECHNICAL DATA

Property	1/3 HP Pool Cover Pump	1/2 HP Pool Cover Pump
Model	YH-8500B	YH-12000B
Voltage	120V	120V
Frequency	60Hz	60Hz
Horse Power	1/3 HP	1/2 HP
Max. Head (ft.)	20ft	21ft
Max. Flow (GPH)	2600	3200
Cord Length	25ft	25ft

PERFORMANCE

	GPH of water @ Total Head (Ft.)				
Model	5ft	10ft	15ft	20ft	Max. Head
YH-8500B	2030	1290	250	---	20ft
YH-12000B	2251	1390	1450	479	21ft

For best performance, the maximum recommended hose length is 50 ft. The pumping capacity or water flow rate of any pump depends on several factors. The larger the inside diameter and the shorter the length of hose, the less pressure that is lost (or the larger the flow rate). If the hose runs uphill or is extra-long, use a larger-diameter hose or rigid pipe.

SAFETY INFORMATION

- This product complies with California Proposition 65 environmental testing requirements.
- Risk of sudden starts: This can cause electrical shock and personal injury. The pump motor is equipped with an automatic resetting thermal protector and may restart unexpectedly.
- DO NOT plug in the pump while standing in water or on a wet or damp surface.
- DO NOT pick up the pump by the power cord.
- Protect the electrical cord from sharp objects, hot surfaces, oil, and chemicals. Avoid kinking the cord.
- Unplug the pump before servicing it or attempting to clean it.
- Secure the discharge hose before starting the pump. An unsecured discharge hose may whip, which can cause personal injury and property damage.
- Keep the pump, base, and inlet screen free of debris and foreign objects.
- Never enter the pool or swim if a pump is present in the water, for risk of shock or personal injury.

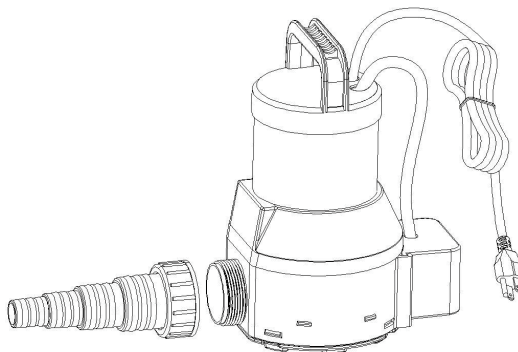
PREPARATION

WARNING: Always use the handle to lift the pump. Never use a power cord to lift a pump. To avoid skin burns, unplug and allow time for the pump to cool after extended use.

Estimated Assembly Time (new installation): 5 minutes.

INSTALLATION INSTRUCTIONS

1. The pump should always stand upright on its base when operating. Do not suspend the pump by means of discharge hose or power cord. Keep the pump's inlet screen clear.
2. To install a garden hose, first install the outlet connectors provided with the pump.

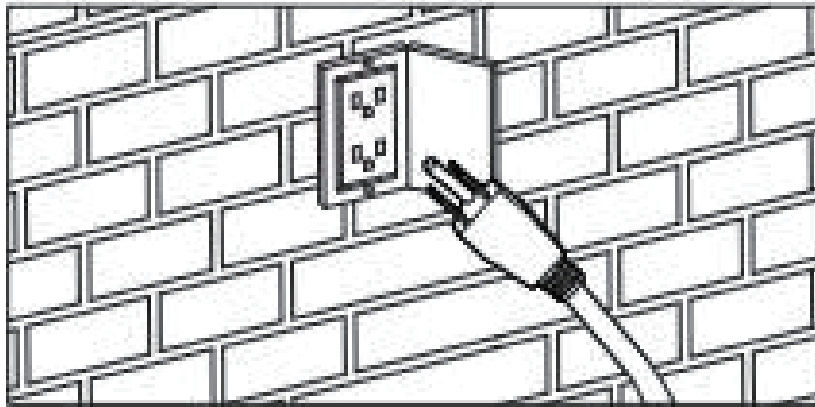


3. Power Supply: Pump is designed for 120V, 60 Hz. Operation on an individual branch circuit of 15 amperes or more capacity. It is supplied with a 3-wire cord set with a grounding-type, GFCI-protected plug for use in a 3-wire, grounded outlet. For safety, pumps should always be electrically grounded to a suitable electrical ground, such as a grounded water pipe or a properly grounded metallic raceway or ground wire system. Do not cut off the round grounding prong.

GFCI needs to be secured inside a plastic cover.

If exposed to rain, snow, or moisture, the GFCI can trip the pump's GFCI device.

GFCI cord should not be laid on the ground or exposed to the weather when plugged into an extension cord. Do not use an extension cord over 20'.



WARNING: Risk of sudden starts can cause electrical shock and personal injury. The pump motor is equipped with an automatic resetting thermal protector and may restart unexpectedly. Protector tripping is an indication of motor overloading as a result of operating the pump at high pressure, excessively high or low voltage, inadequate wiring, incorrect motor connections, or a defective motor or pump.

Automatic Operation

- The pump will only turn on if there is approximately 4/5 inch of water around the pump. Water must make contact with the sensor probes of the pump in order for it to turn on.
- When the pump removes water down to approximately 2/5 in., the pump turns off.
Note: If the pump does not turn off, remove the pump and check to make sure that water or other debris is not still contacting the sensor probes.
- The pump can remain plugged in and will automatically turn back on when water reaches approximately 4/5 inch again.

OPERATION INSTRUCTIONS

WARNING: The risk of electric shock can shock, burn, or kill. Do not handle the pump or pump motor with wet hands, when standing on wet or damp surfaces, or in water. Disconnect power from the pump before handling, servicing, or attempting to repair it.

The motor is equipped with an automatic resetting thermal overload protector. If the motor gets too hot, the overload protector will stop the motor before it is damaged. When the motor has cooled sufficiently, the overload protector will reset itself, and the motor will restart.

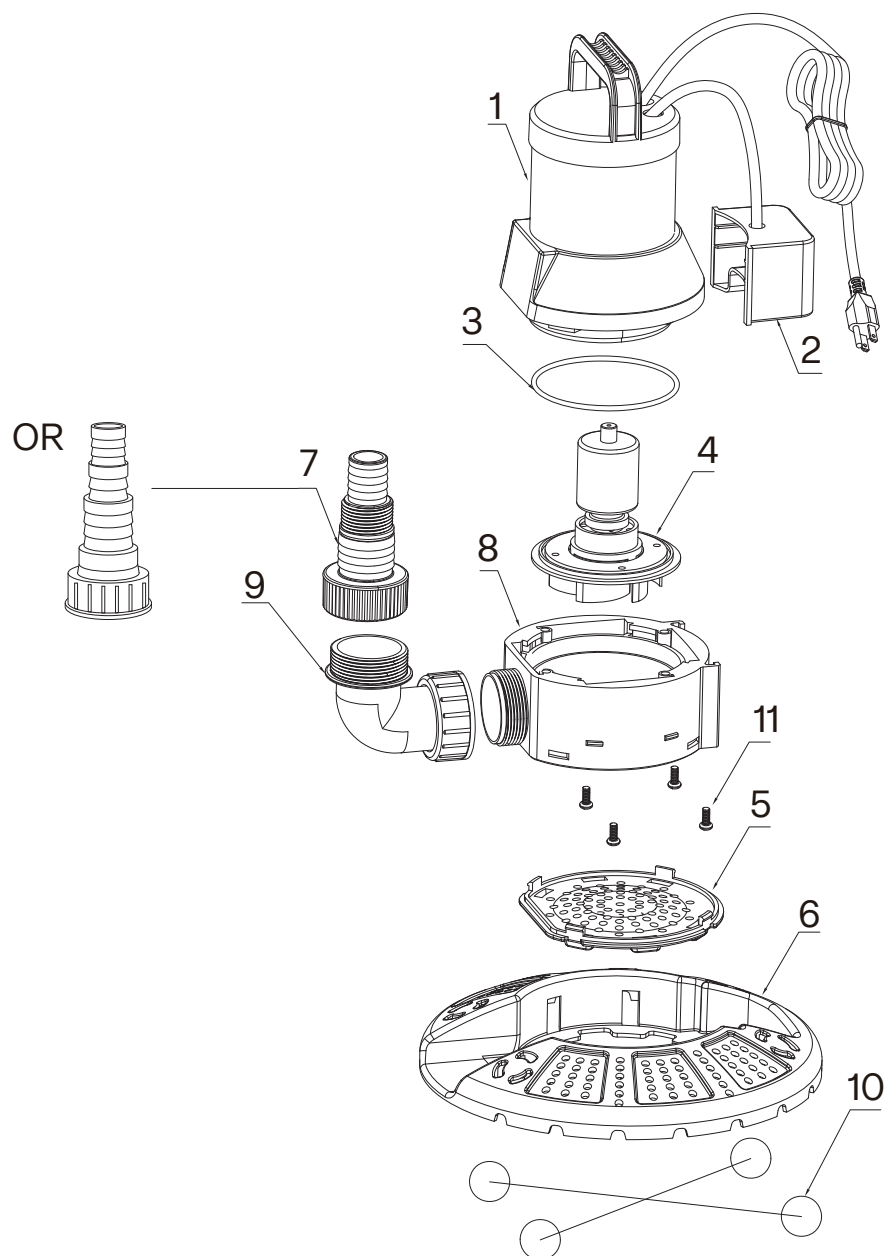
NOTICE: If the overload protector stops the pump repeatedly, disconnect the power from the pump and check it to find the problem. Low voltage, a clogged impeller, too much back pressure in the discharge hose, or extended running of the pump with no load can all cause overheating.

TROUBLESHOOTING

Note: Do not disassemble the motor housing. This motor has NO repairable internal parts, and disassembling it may cause an oil leak or dangerous electrical wiring issues.

Problem	Possible Cause	Corrective Action
Pump won't start or run	1. Blown fuse 2. Low line voltage 3. Defective motor 4. The water level is too low	1. If blown, replace it with a fuse of the proper size. 2. If voltage is below the recommended minimum, check the size of the wiring from the main switch on the property. If OK, contact the power company. 3. Replace the pump. 4. Allow the water level to rise to 4/5 in. or more.
Pump operates but delivers little or no water	1. Low line voltage 2. Something caught in the impeller 3. A small-diameter garden hose or long discharge line	1. Call the power company. 2. Clean out the impeller. 3. Use a larger-diameter garden hose or 1" flexible pipe. Eliminate any excess hose. Short hoses work best.

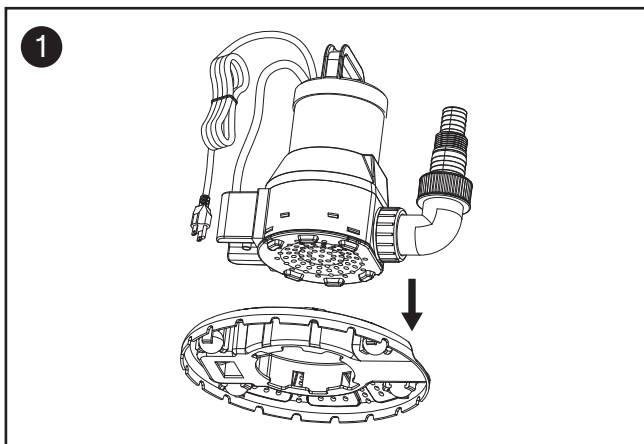
PARTS DIAGRAM



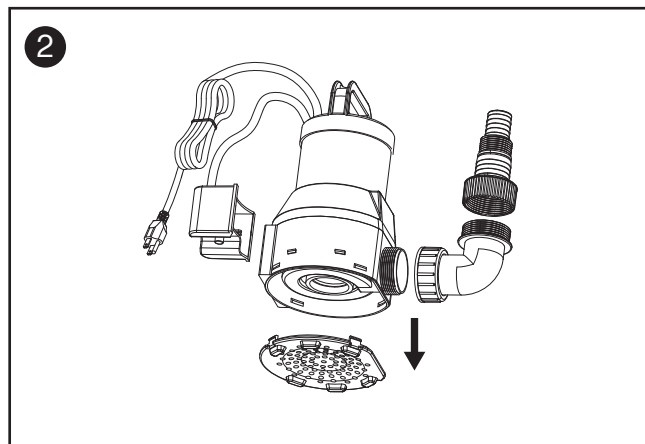
Part No.	Part Name
1	Motor House
2	Auto Shut-off Sensor
3	Waterproof Ring
4	Impeller
5	Filter
6	Base

Part No.	Part Name
7	Outlet Connectors
8	Gland
9	90° Outlet Connector
10	Roller Ball
11	Screw

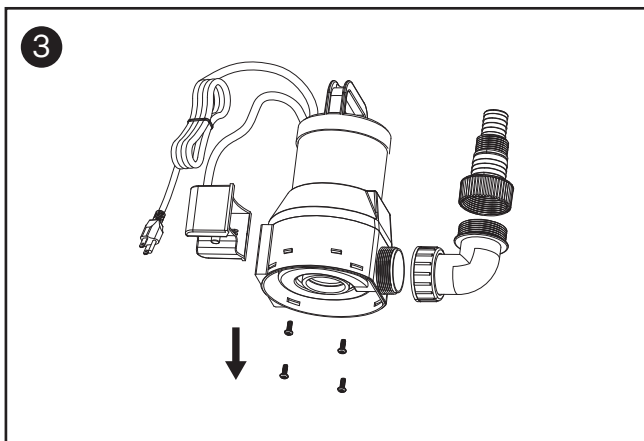
CLEANING STEPS



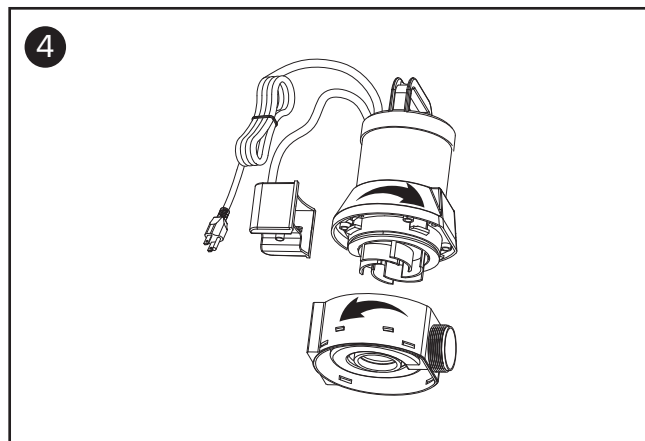
Remove Part 6 [Base].



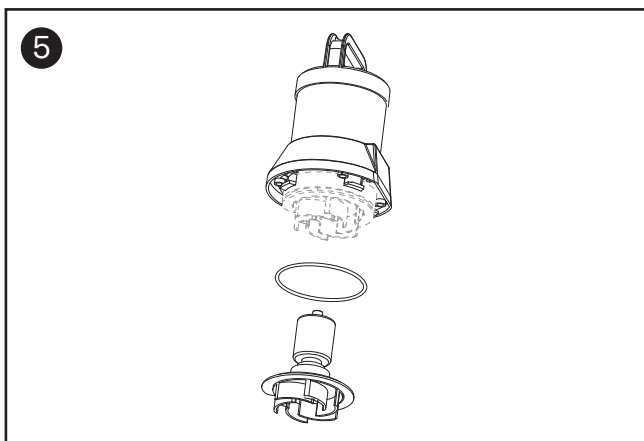
Remove Part 5 [Filter].



Loosen the screws.



Rotate Part 1 [Motor House] and Part 8 [Gland] in opposite directions, as indicated by the arrow, to remove Part 8 [Gland].



Remove Part 4 [Impeller] for cleaning.
Please note that when reinstalling, install the waterproof ring first.



NOTE:

To continuously improve its products, VIVOHOME reserves the right to modify this information without prior notification.

For any questions regarding assembly, please watch the video on the product page or contact our customer service. Our customer service will gladly assist you with any additional questions, comments, or concerns.

Thank you for using VIVOHOME products in your home!

**Thank You For Purchasing From
VIVOHOME**

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