

Please read and save these instructions. Read carefully before attempting to assemble, install, operate or maintain the product described. Protect yourself and others by observing all safety information. Failure to comply with instructions could result in personal injury and/or property damage! Retain instructions for future reference.

### OPERATING INSTRUCTIONS AND PARTS MANUAL

WWB PCP



Scan the QR code or visit [www.waynepumps.com](http://www.waynepumps.com) for the full manual in English and Español. If you are having trouble scanning the QR code, type the following URL into your internet browser to access the manual, [www.waynepumps.com/wayne-operating-manuals/](http://www.waynepumps.com/wayne-operating-manuals/)

### SAFETY SIGNAL WORDS

This manual contains information that is very important to know and understand. This information is provided for SAFETY and to PREVENT EQUIPMENT PROBLEMS. To help recognize this information, observe all safety information labeled danger, warning, caution, and notice.

### IMPORTANT SAFETY INFORMATION

#### **DANGER**

**DANGER INDICATES AN IMMINENTLY HAZARDOUS SITUATION WHICH, IF NOT AVOIDED, WILL RESULT IN DEATH OR SERIOUS INJURY.**

If using pump to drain a vessel of water make sure the pump is not used while people are in, or in-contact with the water.

Do NOT pump flammable or explosive fluids such as gasoline, fuel oil, kerosene, solvent, thinners, etc. DO NOT use in a flammable and/or explosive atmosphere. ONLY pump clear water. Improper use could result in death or serious injury, and will void warranty.



Electric shock hazard! GFCI receptacles will provide protection against line to ground faults only. The ground fault receptacle does NOT limit the magnitude of fault current and will NOT prevent electrical shock.

This pump must be plugged into a properly installed, and grounded GFCI outlet in accordance with all applicable codes and ordinances. Never remove the grounding prong or modify the plug in any way. Do not use any adapter plugs. Check with a qualified electrician if you are not sure the outlet is grounded. If the pump should electrically malfunction or break down, grounding provides a low resistance path to carry electricity away from the user.

Before each use inspect pump, power cord and plug for damage. If damage is present DO NOT USE pump.

Electrical wiring must be performed by a qualified electrician. Improper wiring could result in fatal shock.

Do not abuse cord. Never use the cord to carry or suspend the pump or pull the plug from an outlet. Keep cord away from heat, oil, sharp edges, or moving parts. Do not bury cord. Visually locate cord to prevent damage. Damaged cords increase the risk of electrical shock and will void warranty.

If there is water or moisture on the floor, do not walk on wet area until all power is turned off. If the shut-off box is in the basement, call an electrician. Failure to follow this warning could result in fatal electrical shock.

Risk of electric shock! This pump has NOT been tested for use in swimming pool or marine areas. NEVER place pump in pools while people are in the water.



Do NOT handle a pump or pump motor with wet hands or when standing on wet or damp surface or in water when pump is connected to power source.



Do NOT use pump if ANY part is cracked, broken, or missing.

Always disconnect electric supply before attempting to install, service, relocate, or perform any maintenance. Failure to do so could result in fatal electrical shock.



Inspect extension cords for damage before use. Plug into a GFCI outlet. Do not use extension cord for permanent installation. Do not bury cord. Visually locate cord to prevent damage. Keep plug connection protected from contact with water or snow. Plug connection must be kept dry and away from moisture. Do not handle plug connector near water. Failure to follow these instructions will result in death or serious injury.

#### **WARNING**

**WARNING INDICATES A POTENTIALLY HAZARDOUS SITUATION WHICH, IF NOT AVOIDED, COULD RESULT IN DEATH OR SERIOUS INJURY.**

### CALIFORNIA PROPOSITION 65

#### **WARNING**

This product can expose you to chemicals, including DEHP, which is known to the State of California to cause cancer, birth defects and reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Stay alert, watch what you are doing, and use common sense when using this pump. DO not attempt to use this pump while tired or under the influence of drugs, alcohol or medications. A moment of inattention may result in serious personal injury.

Dress properly. Do not wear loose clothing or jewelry. Pull back long hair. Keep your hair, clothing, and gloves away from moving parts. Loose clothes, jewelry, or long hair can be caught in moving parts.

Do not overreach. Keep proper footing and balance at all times. Proper footing and balance enables better control in unexpected situations.

Use safety equipment. Always wear eye protection. Dust mask, non-skid safety shoes and hard hat must be used for appropriate conditions.

If using pump to drain a vessel containing heated water, allow time for water time to cool to ambient temperature before pumping the water. Failure to do so may cause pump failure or property damage and will void warranty.

Never cut off grounding prong or use an adapter, this will void warranty.

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Secure the discharge line before starting the pump. Pump could restart automatically. An unsecured discharge line MAY whip. Personal injury and/or property damage COULD result.

When servicing this pump, only identical WAYNE replacement parts should be used. Failure to follow these steps may create risk of flooding, property damage, fatal electrical shock, or other serious injury.

This unit is NOT designed for use as a sump pump or in sump applications, this will void warranty. This unit is NOT designed for use in septic tanks or underground vaults to pump raw sewage or effluents. NEVER use in hazardous or explosive locations.

To reduce the risk of electric shock, install only on a circuit protected by a Ground-Fault-Circuit-Interrupter (GFCI).

## CAUTION

**CAUTION INDICATES A POTENTIALLY HAZARDOUS SITUATION WHICH, IF NOT AVOIDED, MAY RESULT IN MINOR OR MODERATE INJURY.**

Most electric product-related incidents are caused by failure to observe basic safety rules or precautions. WAYNE Water Systems is NOT responsible for any bodily injury or property damage that may result from operation outside of the normal operating conditions.

This pump is for use with permanently installed pools and may be also used with hot tubs and spas if so marked. Do not use with storable pools. A permanently installed pool is constructed in or on the ground or in a building such that it cannot be readily disassembled for storage. A storable pool is constructed so that it is capable of being readily disassembled for storage and reassembled to its original integrity. Do not install within an outer enclosure or beneath the skirt of a hot tub or spa.

This pump has been evaluated for use with water only.

## NOTICE

**NOTICE INDICATES IMPORTANT INFORMATION, THAT IF NOT FOLLOWED, MAY CAUSE DAMAGE TO EQUIPMENT.**

Do NOT place the pump on a weak, damaged, or leaking pool cover. Placing the pump on a damaged pool cover could cause the cover to give way, or could allow the pump to remove treated swimming water from the pool in addition to rainwater.

This pump is not designed to handle salt water, brine, laundry discharge, or any other application which may contain caustic chemicals, highly chlorinated water, and/or foreign materials. This pump is not suitable for use with aquatic life. Pump damage or failure could occur if used in these applications and will void warranty.

When routing the electrical cord protect cord from sharp objects, hot surfaces, oils, and chemicals. Do not kink cord, do not use with damaged cord.

Do not allow pump to run dry. The shaft seal depends on water for lubrication. Operating the pump without water will damage the shaft seal and cause pump failure.

When the water level is approaching the minimum pumping limit, the water removal rate may slow, and the pump may become noisy. This is due to air being drawn into the pump in addition to water. During this time the pump may still remove water. Once water has stopped coming out of the hose unplug pump to avoid running dry.

Service work on this pump must be performed by a qualified repair personnel. ONLY use identical WAYNE replacement parts.

Do not suspend pump by discharge pipe. Do not place pump directly on clay, gravel, leaves or any loose or sandy surfaces. These surfaces contain small stones, sand, or debris that may clog or damage the pump. This could result in pump failure causing flooding and property damage.

Do NOT alter the pump to override the automatic water detector. The shaft seal depends on water for lubrication. Overriding this pump feature can cause the pump to run dry and may damage the shaft seal and cause pump failure and void warranty.

In small areas a check valve is required to prevent backflow. Without a check valve the pump may cycle continuously and potentially wear out the pump components.

Use an outdoor rated extension cord of the appropriate gauge when necessary. Confirm the current (Amp) rating of the pump and the length of the extension cord needed.

Current (Amps) rating at 120V	Length of Cord (Feet)		
	up to 25	up to 50	up to 100
up to 4	18 gauge	18 gauge	16 gauge
up to 6	18 gauge	16 gauge	14 gauge
up to 10	16 gauge	14 gauge	12 gauge

**NOTE:** Acceptable for Indoor and Outdoor Use

## POOL COVER PUMP DESCRIPTION

This portable, Auto On-Off Pool Cover pump is designed for automatic removal of water from a pool or spa cover. The units are equipped with a 25 ft. 3-prong grounding type power cord and its 3/4 in. adapter can be used for convenient attachment to a standard garden hose. This pump is not to be used to empty the pool.

## UNPACKING

Inspect this unit before it is used. Occasionally, products are damaged during shipment. If the pump or components are damaged, return the unit to the place of purchase for replacement, or call Customer Support (800-237-0987).

# OPERATING INSTRUCTIONS AND PARTS MANUAL

## SPECIFICATIONS

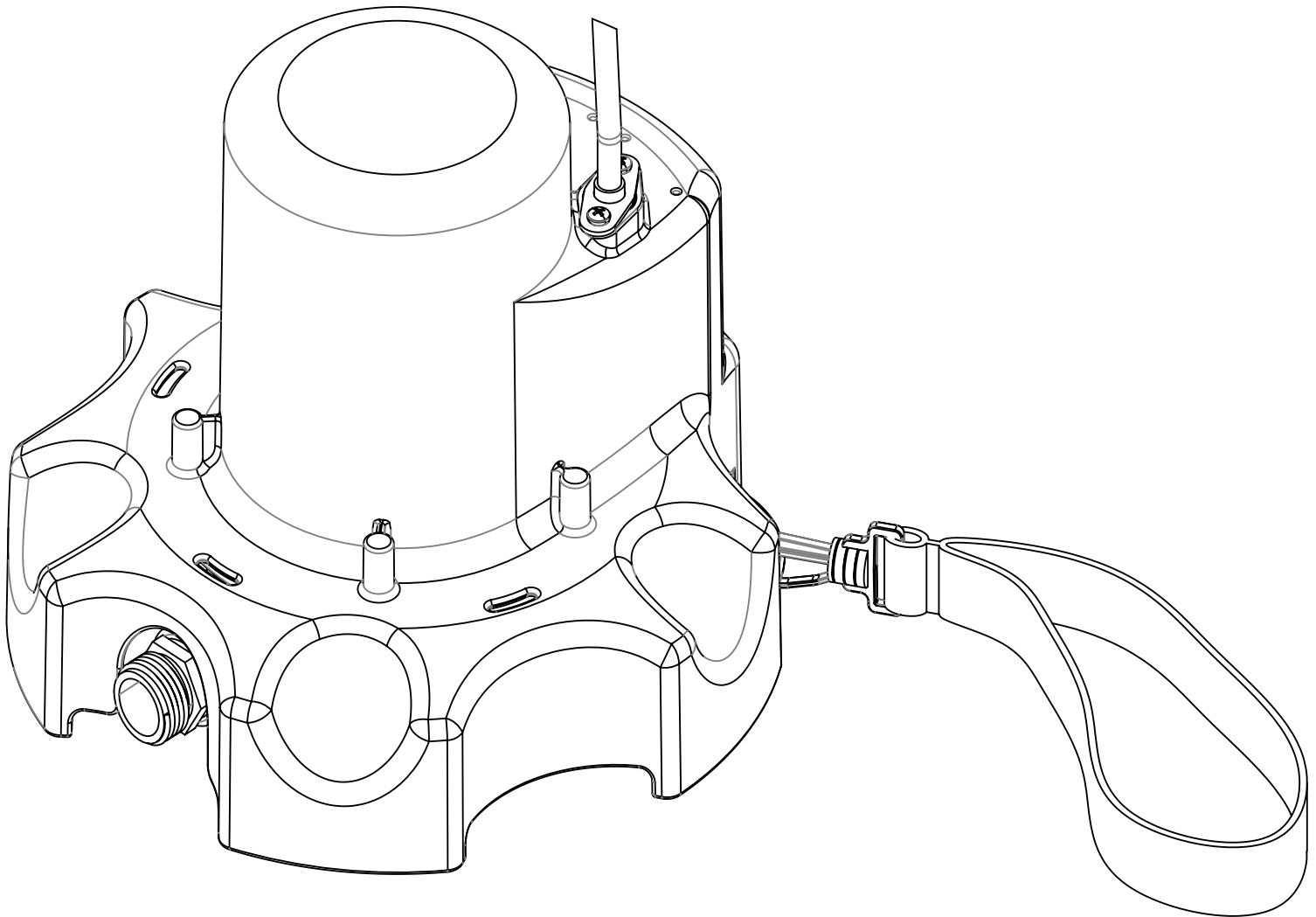
<b>POWER SUPPLY REQUIREMENTS</b>	120 V, 60 Hz
<b>MOTOR</b>	Single Phase, Auto ON/OFF
<b>HORSEPOWER</b>	1/4 HP
<b>CIRCUIT REQUIREMENT</b>	15 A (minimum)

## CONSTRUCTION

<b>MOTOR HOUSING</b>	Thermoplastic
<b>MOTOR SHAFT</b>	Stainless Steel
<b>IMPELLER</b>	Thermoplastic
<b>VOLUTE</b>	Thermoplastic
<b>PUMP DISCHARGE</b>	3/4 in. Hose Threads

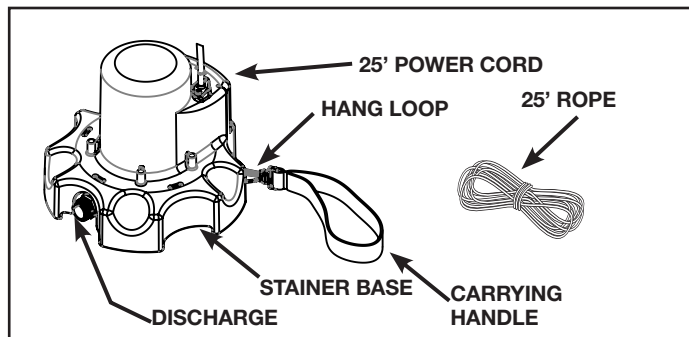
## PERFORMANCE

Model	HP	Discharge Head	0 ft.	5 ft.	10ft.	15 ft.	20 ft.
WWB PCP	1/4	Gal/hr	1900	1580	1250	850	350

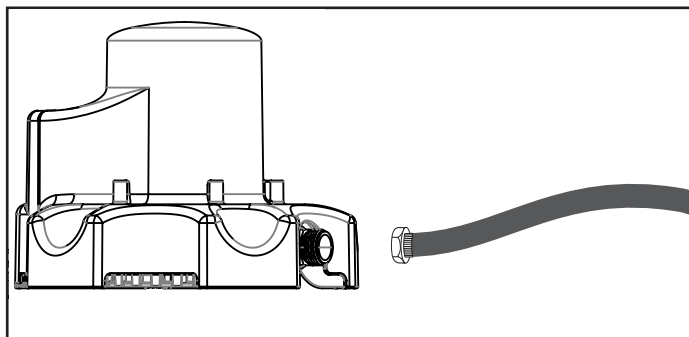


# OPERATING INSTRUCTIONS AND PARTS MANUAL

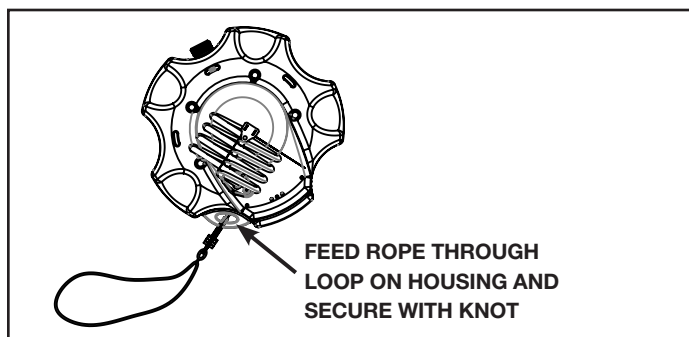
## STEP 1 - VERIFY PACKAGE CONTENTS



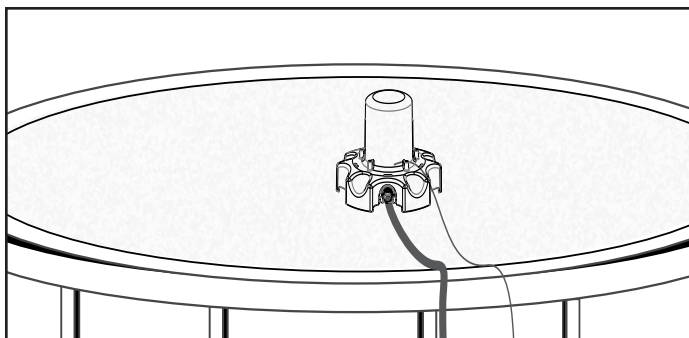
## STEP 2 - CONNECT GARDEN HOSE



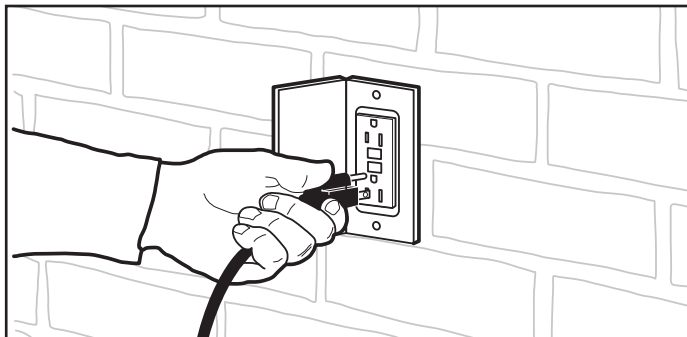
## STEP 3 - SECURE ROPE TO STRAINER



## STEP 4 - POSITION ON POOL COVER



## STEP 5 - PLUG INTO GFCI OUTLET



FOR FURTHER PLACEMENT TECHNIQUES AND DETAILED INSTALLATION FOR INGROUND AND ABOVE GROUND POOL APPLICATIONS, REFER TO PAGE 6 FIGURES (A-E).

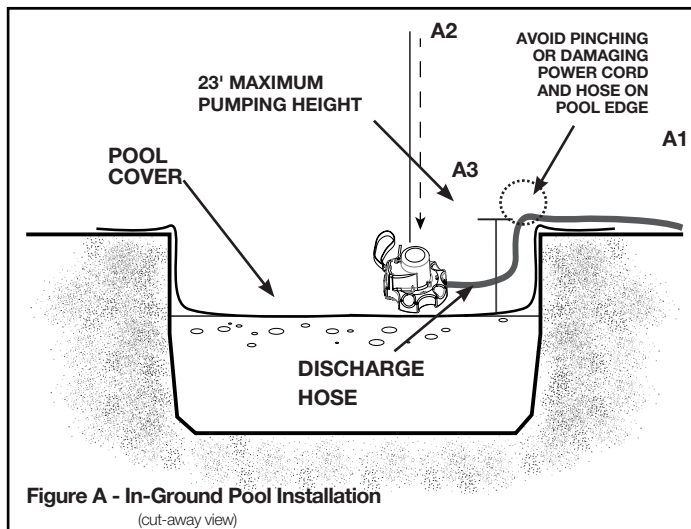
## APPLICATION AND OPERATION

### PUMPING HEIGHT

When water is pumped to an elevated position, any volume that has not reached the discharge outlet can flow back through the pump when the pump shuts off. This back-flow can cause the water level in small areas to rise enough to re-start the pump.

1. This pump has been designed with a 3/4" garden hose discharge connection. Thread the female end of the garden hose to the male end of the garden hose adapter.
2. Use a hose washer (not included) on the garden hose for correct pump operation.
3. For best pump performance, unwind the hose before starting the pump. This will help remove any kinks or binds in the hose and allow the unit to pump with less restriction.
4. With pump unplugged set the pump on the pool cover, where water will collect. Do not set the pump directly on mud, sand surfaces or in leaves. For best results make sure the strainer base is making full contact with a clean area of the pool cover. This will allow the strainer to properly filter debris and help prevent clogging of the pump. If necessary clear an area of the pool cover before placing the pump. For further placement techniques see (Figures A-E).
5. The water level must be at least 5/8 inches for the pump to prime, and operate. Water levels less than 5/8 inches will not allow the pump to prime, therefore no water will be moved.
6. Plug the pump into a properly grounded 120 volt GFCI protected outlet. If the water level is greater than 5/8 inches the pump will start once plugged in. A priming delay of 2 seconds is programmed into the control to allow time for air to escape from the pumping chamber.
7. The pump will stop automatically once water has been removed to a depth of approximately 1/2 of an inch. The pump will not restart until the water depth rises to 1-5/8 inches or greater.
8. The pump must remain upright at all times in order for the water detection to function. Do not allow the pump to operate on its side or inverted allowing the pump to remain in any other orientation than upright could cause pump failure.

## DROP-IN PUMP APPLICATION



**A1.** Connect discharge hose to pump check valve and place hose end away from pool, where water will be displaced.

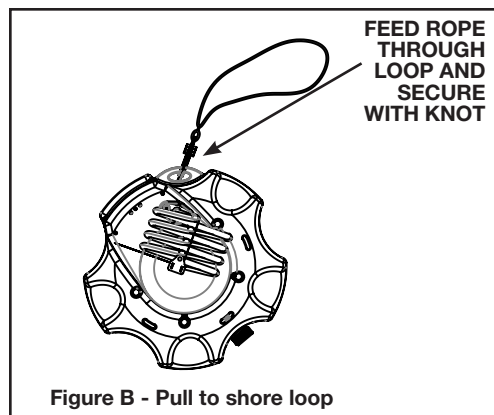
**A2.** Attach provided 25 ft. rope to pump base and pull the pump to where water will collect.

**A3.** Do NOT exceed the 23 ft. maximum pumping height for this pump or switch may not function properly. Plug in pump to allow for automatic operation.

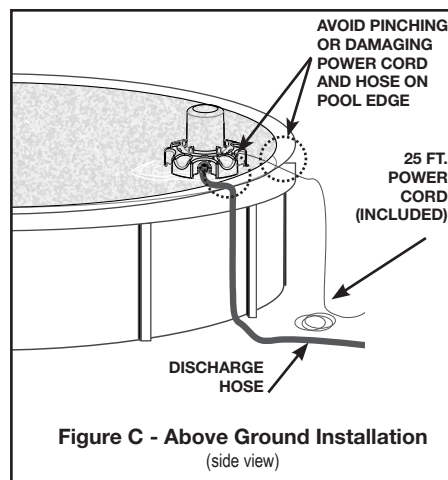
For removal unplug pump and retrieve using rope.

## ABOVE GROUND PUMP INSTALLATION

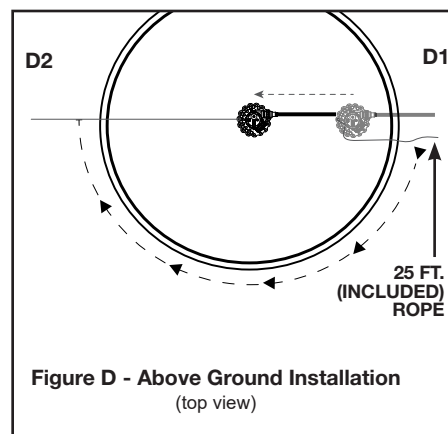
To aid in pump placement on pool cover, secure provided 25 ft. rope to the pull-to-shore loop (Figure B).



Connect provided 25 ft. rope to pull to shore loop (see Figure B) and discharge hose to the pump.



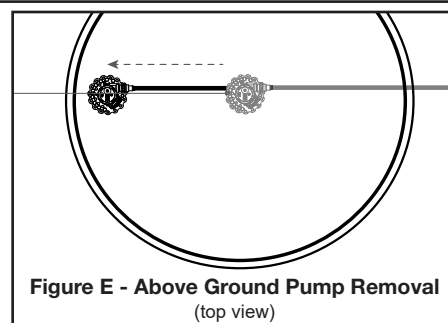
Place pump on pool cover near edge of pool (see Figure C). If flotation device is used under the pool cover, place pump at the lowest point on the pool cover where water will collect.



**D1.** Holding the provided 25 ft. rope, walk around pool until you are even with the pump on the opposite side.

**D2.** Pull the 25 ft. rope towards you until the pump is in the center of the pool cover where water will collect.

## ABOVE GROUND - PUMP REMOVAL



Disconnect power to pump. Using the included 25 ft. rope, safely pull pump to edge of pool, disconnect discharge hose and remove.



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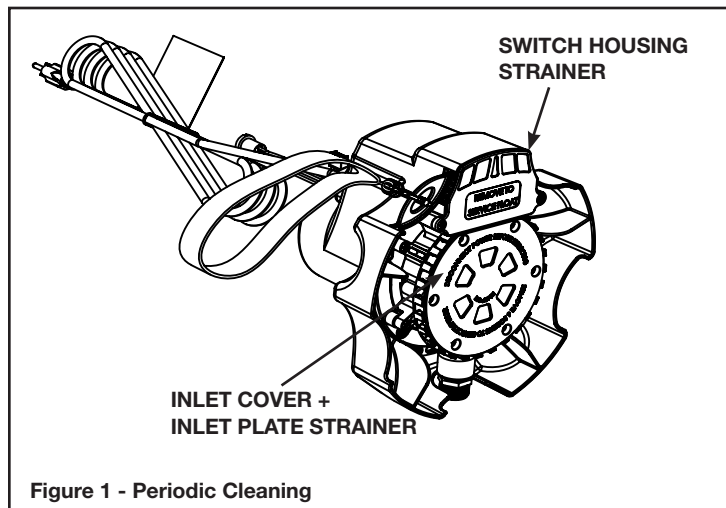
## MAINTENANCE

**NOTE:** Minimal service is required for this pump. The motor housing of the pump is completely sealed and requires no internal service or lubrication.

1. Keep pump inlet clean and free of all foreign objects. Inspect inlet at beginning of each use.
2. Periodic cleaning is required to maintain performance of the pump.

Follow the cleaning steps listed below:

- a. Disconnect pump from power source.
- b. Remove debris collected around the inlet cover and inlet plate.
- c. Remove debris collected around the switch housing.

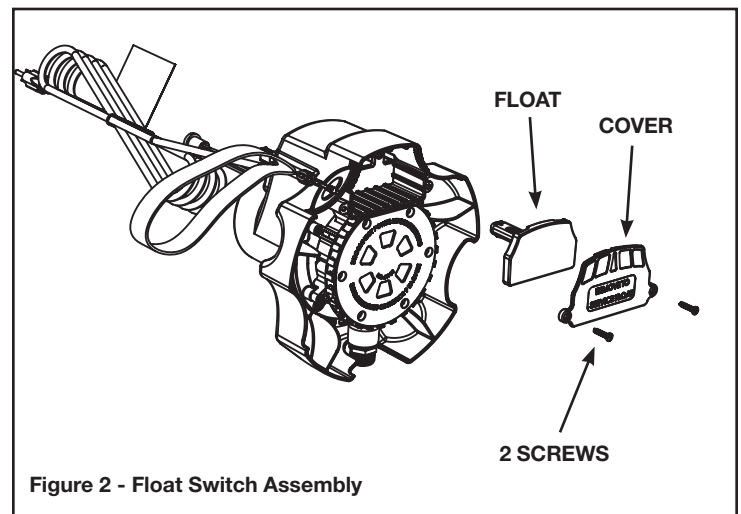
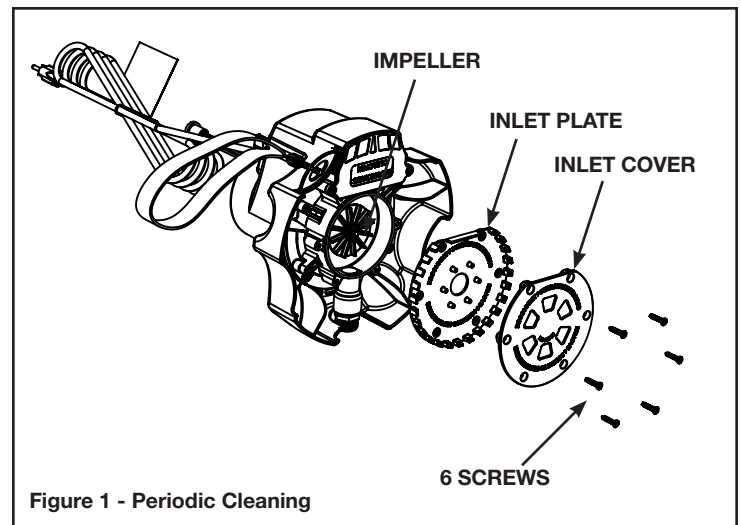


## TROUBLESHOOTING

1. To verify pump is operating correctly follow the steps below:
  - a. Disconnect pump from power source.
  - b. Follow periodic cleaning steps.
  - c. Set pump upright on a level surface.
  - d. Plug power cord into a grounded 120 Volt GFCI power outlet. Pump should turn on, run for 2 seconds, and then shut off.

**NOTE:** If pump does not turn on/off as indicated in step 1d follow switch cleaning steps.

2. Verify pumping height does NOT exceed 23 feet (See Figure A). If pumping height is greater than 23 feet, this pumps automatic feature will not operate correctly.
3. Auto on, verify water depth is a minimum of 1-5/8 inches.
4. Pump prime, verify water depth is a minimum of 5/8 inches.



## TROUBLESHOOTING (CONT'D)

5. When temperatures drop below freezing, remove pump from service and store indoors to protect pump from damage due to ice. The pump has a unique protection circuit to protect the motor from a locked impeller condition possibly caused by debris buildup or from a “frozen” impeller situation caused by ice formation. When the pump is activated and a locked impeller condition is detected the unit will automatically shutdown to protect the motor from overheating. The pump will continue this on/off cycle for a period of time to attempt to “free” the impeller until eventually the unit will remain off for a period of 12 hours checking twice a day for a “freed” impeller. Once the pump is able to operate correctly the pump will resume normal operation. To reset this delay without waiting 12 hours momentarily unplug the pump.

## TROUBLESHOOTING CHART

Symptom	Possible Cause(s)	Corrective Action
<b>Pump will not start or run</b>	<ol style="list-style-type: none"> <li>1. Tripped home electrical breaker</li> <li>2. GFCI tripped</li> <li>3. Low supply voltage</li> <li>4. Defective motor</li> <li>5. Stuck float</li> <li>6. Impeller obstructed</li> <li>7. Inlet clogged</li> <li>8. Pump is sitting uneven</li> </ol>	<ol style="list-style-type: none"> <li>1. Reset breaker</li> <li>2. Check for damaged wiring or moisture</li> <li>3. Contact electrician</li> <li>4. Replace pump</li> <li>5. Clean float switch (See Troubleshooting, Figure 2)</li> <li>6. Remove inlet cover and inlet plate (See Troubleshooting, Figure 1) and check for debris; clean</li> <li>7. Follow periodic cleaning steps (See Maintenance, Figure 1)</li> <li>8. Reposition pump so pump is upright and level</li> </ol>
<b>Pump starts and stops too often</b>	<ol style="list-style-type: none"> <li>1. Backflow of water from piping</li> <li>2. Pump is sitting uneven</li> </ol>	<ol style="list-style-type: none"> <li>1. Install check valve</li> <li>2. Reposition pump so pump is upright and level</li> </ol>
<b>Pump will not shut off or runs continuously</b>	<ol style="list-style-type: none"> <li>1. Stuck float</li> <li>2. Discharge height exceeds capability</li> <li>3. Pump is sitting uneven</li> </ol>	<ol style="list-style-type: none"> <li>1. Clean float switch (See Troubleshooting, Figure 2)</li> <li>2. Reduce discharge height</li> <li>3. Reposition pump so pump is upright and level</li> </ol>
<b>Pump operates but delivers little or no water</b>	<ol style="list-style-type: none"> <li>1. Impeller obstructed</li> <li>2. Obstructed hose</li> <li>3. Discharge height exceeds capability</li> <li>4. Inlet clogged</li> </ol>	<ol style="list-style-type: none"> <li>1. Remove inlet cover and inlet plate (See Troubleshooting, Figure 1) and check for debris; clean</li> <li>2. Check for kinks, reposition hose or check for debris</li> <li>3. Reduce discharge height</li> <li>4. Follow periodic cleaning steps (See Maintenance, Figure 1)</li> </ol>

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FOR REPLACEMENT  
PARTS OR CUSTOMER SUPPORT,  
CALL 1-800-237-0987

ADDRESS PARTS CORRESPONDENCE TO:  
WAYNE Water Systems  
101 Production Drive  
Harrison, OH 45030 U.S.A.

## Please provide following information:

- Model number
- Serial number on cord tag (not to be removed)
- Part description and number as shown in parts list

## LIMITED WARRANTY

This Limited Warranty can also be found online at [www.waynepumps.com](http://www.waynepumps.com) and in the documentation we provide with the Product.

### WHAT DOES THIS WARRANTY COVER?

This Limited Warranty covers defects in materials and workmanship of Wayne WaterBUG Pool Cover Pump (WWB PCP) (a "Product") manufactured by Wayne Water ("we") for the Warranty Period as defined below.

### WHO MAY USE THIS WARRANTY?

This Limited Warranty is extended only to the consumer who originally purchased the Product ("you"). It does not extend to any subsequent owner or other transferee of the Product.

### HOW LONG DOES THE COVERAGE LAST?

This Limited Warranty starts on the date of your purchase and lasts for three years; however, if you cannot establish proof of purchase from an authorized dealer in the form of a sales receipt or other documents that establish proof of purchase from an authorized dealer ("Proof of Purchase"), then this Limited Warranty will start on the date the Product was manufactured and lasts three years (the "Warranty Period"). The Warranty Period is not extended if we repair or replace the Product.

We limit the duration and remedies of all implied warranties, including without limitation the warranties of merchantability and fitness for a particular purpose to the duration of the Warranty Period. Some states do not allow limitations on how long an implied warranty lasts so this limitation may not apply to you.

### WHAT ARE YOUR REMEDIES?

With respect to any defective Product during the Warranty Period, we will repair or replace such Product (or the defective part) free of charge. We will also pay for shipping fees to return the repaired or replacement Product to you.

### WHAT DOES THIS WARRANTY NOT COVER?

This Limited Warranty does not cover any damage arising from (a) external causes such as accident, abuse, misuse, neglect, or other events beyond our reasonable control, (b) improper installation, improper maintenance, improper use, or failure to follow the Product instructions, (c) modifications, or (d) normal wear and tear.

The remedies described in this Limited Warranty above are your sole and exclusive remedies for any breach of this Limited Warranty. Also, consequential and incidental damages are not recoverable under this Limited Warranty. Some states do not allow the exclusion or limitation of incidental or consequential damages so the above limitation or exclusion may not apply to you.

### HOW DO YOU OBTAIN WARRANTY SERVICE?

To obtain warranty service, you must call 1-800-237-0987 during the Warranty Period to obtain a Return Authorization Number ("RAN") and instructions to return the Product to us or an authorized dealer. Be prepared to provide the Product's model number and serial number and Proof of Purchase. No warranty service will be provided without an RAN. You will be responsible for all shipping fees required to deliver the Product to us or our authorized dealer.

### HOW DOES STATE LAW APPLY?

This Limited Warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

DO NOT MAIL THIS FORM TO Wayne Water Systems. Use this form only to maintain your records.

MODEL NO. \_\_\_\_\_ SERIAL NO. \_\_\_\_\_ INSTALLATION DATE \_\_\_\_\_