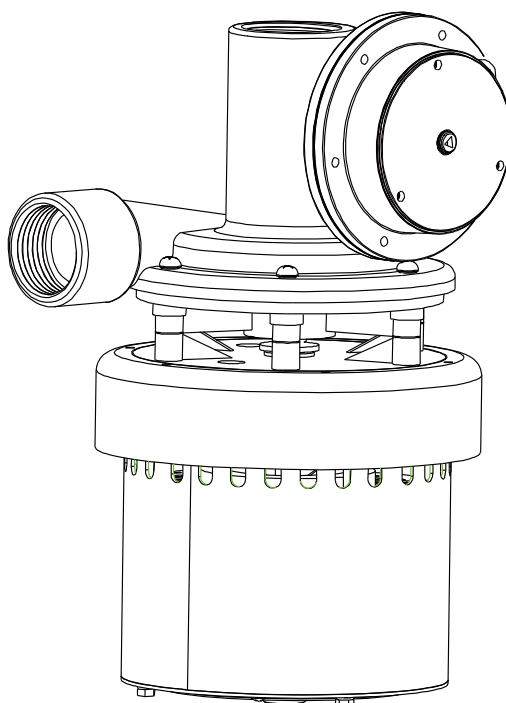


USE AND CARE GUIDE

UTILITY SINK PUMP



Questions, problems, missing parts? Before returning to the store call
Everbilt Customer Service
8 a.m. - 6 p.m., EST, Monday-Friday

1-844-241-5521

WWW.HOMEDEPOT.CA

Rev. 11/16/21

THANK YOU

We appreciate the trust and confidence you have placed in Everbilt through the purchase of this utility sink pump. We strive to continually create quality products designed to enhance your home. Visit us online to see our full line of products available for your home improvement needs. Thank you for choosing Everbilt!

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Performance

SKU	HP	GPM of Water @ Total Feet Of Lift			Max. Lift
		0 ft.	5 ft.	10 ft.	
1000427445	1/3	21.7	15.8	9.2	15 ft.

Safety Information



DANGER: Do not pump flammable or explosive liquids such as oil, gasoline, kerosene, ethanol, etc. Do not use in the presence of flammable or explosive vapors. Using this pump with or near flammable liquids can cause an explosion or fire, resulting in property damage, serious personal injury, and/or death.



DANGER: ALWAYS disconnect the power to the pump before servicing.



DANGER: Do not touch the motor housing during operation. The motor is designed to operate at high temperatures. Do not disassemble the motor housing.



DANGER: Do not handle the pump or pump motor with wet hands or when standing on a wet or damp surface, or in water.



WARNING: Extension cords may not deliver sufficient voltage to the pump motor. Extension cords present a life threatening safety hazard if the insulation becomes damaged or the connection ends fall into water. The use of an extension cord to power this pump is not permitted.



WARNING: Secure the discharge line before starting the pump. An unsecured discharge line will whip, possibly causing personal injury, and/or property damage.



WARNING: Release all pressure and drain all water from the system before servicing any component.



WARNING: Wear safety goggles at all times when working with pumps.



WARNING: This unit is designed only for use on 115 volts (single phase), 60 Hz, and is equipped with an approved 3-conductor cord and 3-prong grounded plug. Do not remove the ground pin under any circumstances. The 3-prong plug must be directly inserted into a properly installed and grounded 3-prong, grounding-type receptacle. Do not use this pump with a 2-prong wall outlet. Replace the 2-prong outlet with a properly grounded 3-prong receptacle (a GFCI outlet) installed in accordance with the National Electrical Code and local codes and ordinances. All wiring should be performed by a qualified electrician.



WARNING: Protect the electrical cord from sharp objects, hot surfaces, oil, and chemicals. Avoid kinking the cord. Do not use damaged or worn cords.



WARNING: Failure to comply with the instruction and designed operation of this unit may void the warranty. ATTEMPTING TO USE A DAMAGED PUMP can result in property damage, serious personal injury, and/or death.

Safety Information (continued)



WARNING: Ensure that the electrical circuit to the pump is protected by a 15 Amp fuse or circuit breaker.



CAUTION: Do not lift the pump by the power cord.



CAUTION: Know the pump and its applications, limitations, and potential hazards.



CAUTION: Follow all safety standards and all local electrical codes.



IMPORTANT: The motor of this pump has a thermal protector that will trip if the motor becomes too hot. The protector will reset itself once the motor cools down and an acceptable temperature has been reached. The pump may start unexpectedly if it is plugged in.



IMPORTANT: Ensure the electrical power source is adequate for the requirements of the pump.



IMPORTANT: This pump is made of high-strength, corrosion-resistant materials. It will provide trouble-free service for a long time when properly installed, maintained, and used. However, inadequate electrical power to the pump, dirt, or debris may cause the pump to fail. Please carefully read the manual and follow the instructions regarding common pump problems and remedies.



NOTE: This pump does not require a connection to a main stack vent, per the National Standard Plumbing Code (NSPC) 2003 Section 11.7.9.

Warranty

The manufacturer warrants the products to be free from defects in materials and workmanship for a period of one year from date of purchase. This warranty applies only to the original consumer purchaser and only to products used in normal use and service. If within one year this product is found upon examination by the manufacturer to be defective in materials or workmanship, the manufacturer's only obligation, and your exclusive remedy, is the repair or replacement of the product at the manufacturer's discretion, provided that the product has not been damaged through misuse, abuse, accident, modifications, alterations, neglect or mishandling. Your original receipt of purchase is required to determine warranty eligibility.

The purchaser must pay all labor and shipping charges necessary to replace the product covered by this warranty.

This Limited Warranty does not cover products which have been damaged as a result of an accident, misuse, abuse, negligence, alteration, improper installation or maintenance, or failure to operate in accordance with the instructions supplied with the products, or operational failures caused by corrosion, rust, or other foreign materials in the system.

Requests for service under this warranty shall be made by returning the defective product to the manufacturer as soon as possible after the discovery of any alleged defect. The manufacturer will subsequently take corrective action as promptly as reasonably possible.

The manufacturer does not warrant and especially disclaims any warranty, whether express or implied, of fitness for a particular purpose, other than the warranty contained herein. This is the exclusive remedy and any liability for any and all indirect or consequential damages or expenses whatsoever is excluded.

Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

For Professional Technical Support call 1-844-241-5521 or visit WWW.HOMEDEPOT.CA.

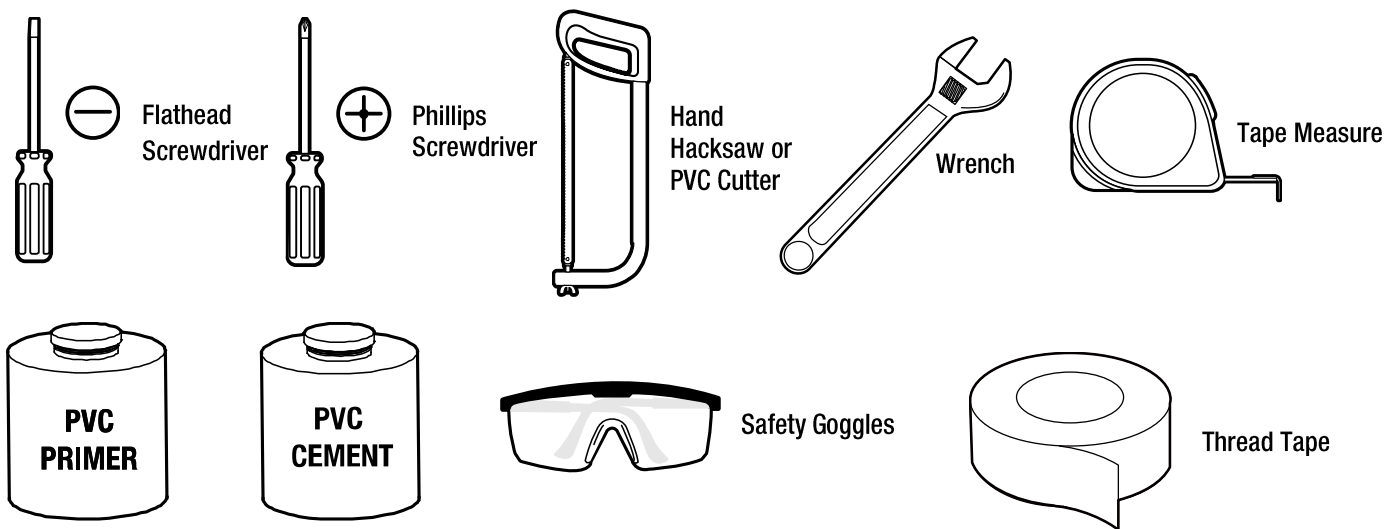
For warranty registration please go to www.gppumpsus.com

Pre-Installation

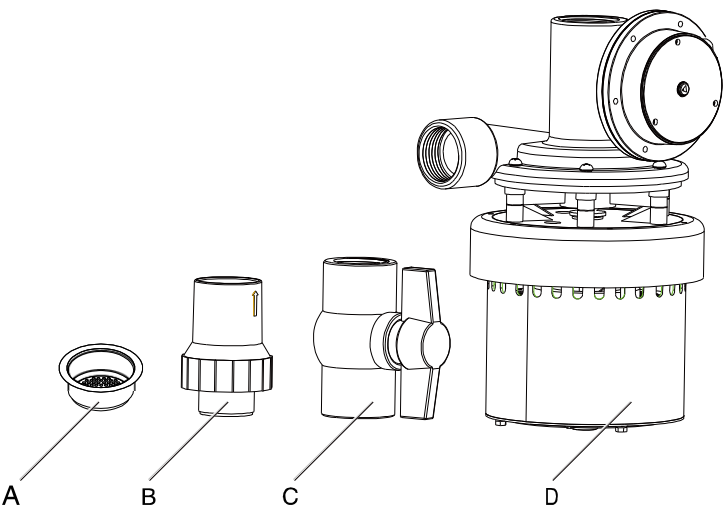
APPLICATION

This pump is designed to be used with a sink where a gravity drain line is not available. Attach the pump to the drain tail piece; the pump will start when water begins to drain. Uses include basement laundry sinks, wet bars and utility sinks.

TOOLS REQUIRED



PACKAGE CONTENTS



Part	Description
A	Sink Drain Screen
B	1-1/4" NPT x 1-1/4" Slip Check Valve
C	1-1/4" NPT Ball Valve
D	Pump


Pre-Installation (continued)

SPECIFICATIONS

Power supply	115V, 60 HZ., 15 Amp Circuit
Liquid temp. range	32°F to 95°F (0°C - 35°C)
Pump Inlet	1-1/2 in. NPT
Pump discharge	1-1/4 in. NPT

Installation

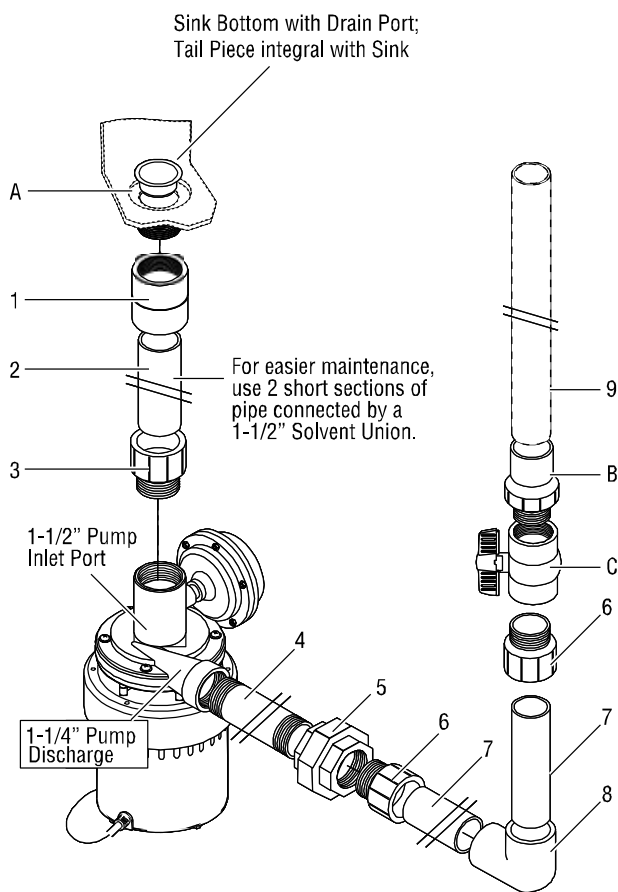
(SEE FIGURES 1 AND 2)



WARNING: Electric Shock Hazard. Plug pump into a properly grounded, GFCI protected outlet. Do NOT plug in the pump until after it is completely installed. Do not remove or modify the grounding pins on the plugs.



NOTE: 5 inches space is needed from sink bottom to inlet for proper operation, refer to figure 2.



Fittings Supplied:	Qty.
A Sink Drain Screen	1
B 1-1/4" NPT x 1-1/4" Slip Check Valve	1
C 1-1/4" NPT Ball Valve	1

Purchase Separately:	Qty.
1 1-1/2" NPT x 1-1/2" Slip Female Adapter	1
2 1-1/2" Schedule 40 PVC Pipe, to fit	1
3 1-1/2" NPT x 1-1/2" Slip Male Adapter	1
4 1-1/4" NPT Galvanized Nipple (to fit)	1
5 1-1/4" NPT Galvanized Union	1
6 1-1/4" NPT x 1-1/4" Male Adapter	2
7 1-1/4" Schedule 40 PVC Pipe, to fit	2
8 1-1/4" Socket to Socket 90° Elbow	1
9 1-1/4" Schedule 40 PVC Pipe to Drain	As Needed
PVC Pipe Cement	As Needed
PTFE pipe thread sealant tape	As Needed
1-1/2" PVC Solvent Union – optional	As Needed



NOTE: Be careful to avoid cross-threading; Use only a plastic-compatible pipe-threading compound or teflon tape when connecting threaded fittings to plastic adapters.

Figure 1: Typical method of mounting the pump

Installation (continued)

Mount the pump



NOTE: DO NOT use plumber's pipe threading compound ("pipe dope") on plastic pipe; it can damage the plastic, causing leaks and piping failure and void the warranty.

1. Place the sink in its final location.
2. Remove any existing drain fittings back to the tail piece. Make sure the existing tail piece does not leak.



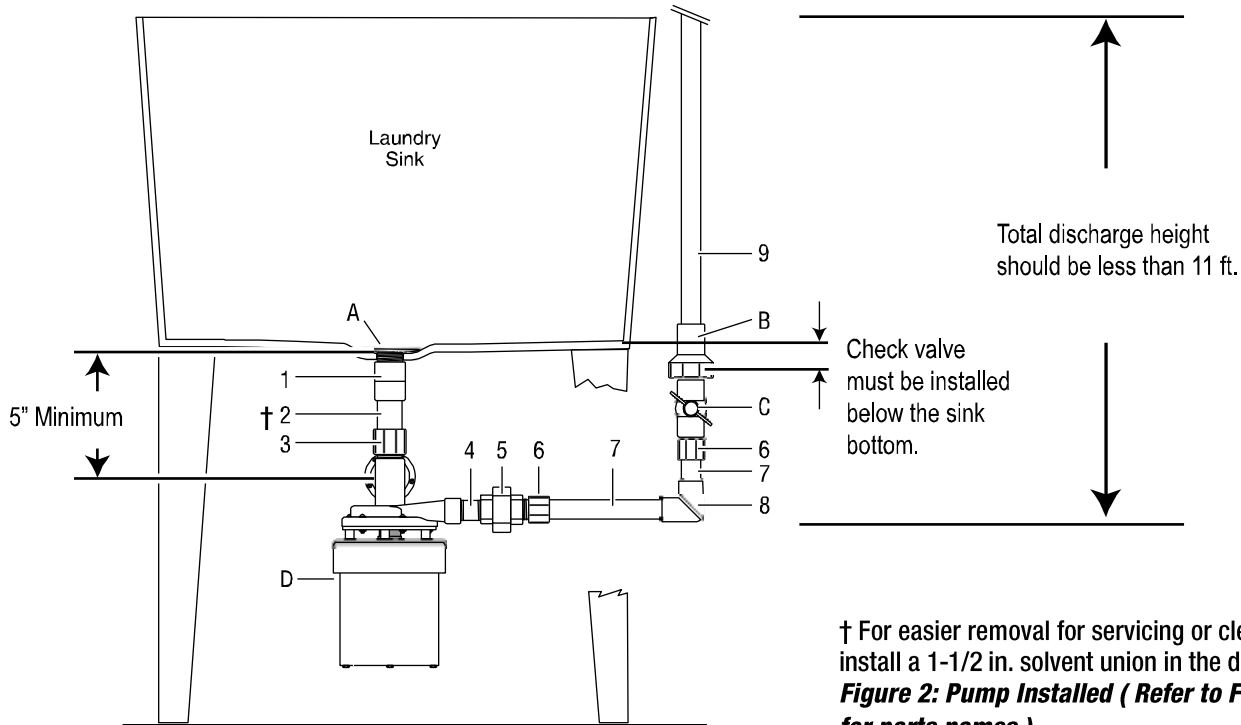
NOTE: If the sink-drain tail piece is not 1-1/2 in. NPT, you will have to adapt it (bushings, reducers, etc.). In this case, wrap all joints with PTFE pipe thread sealant tape before making connections.

- 3. Glue the 1-1/2 in. PVC pipe (Part No.2) into the female adapter (Part No.1).**



WARNING: Fire and explosion hazard. Be sure to follow the cement manufacturer's instructions when using PVC cement. Do not use near fire or open flame.

4. Wrap the threads of the tail piece with 1 to 1-1/2 turns of PTFE pipe thread sealant tape. Thread the 1-1/2 in. NPT female adapter (Part No.1) onto the sink-drain tail piece. Thread it hand tight plus 1/2 turn with a pipe wrench or slip joint pliers. DO NOT overtighten.



Note: The vertical height from the check valve to the pipe outlet should be at least 6 ft. to void check valve leakage.

5. Wrap the threads of the 1-1/2 in. male adapter (Part No.3) with 1 to 1-1/2 turns of PTFE pipe thread sealant tape and install it in the pump inlet. Tighten it hand tight plus 1/2 turn with a pipe wrench or slip joint pliers. DO NOT overtighten!
6. Measure the 1-1/2 in. PVC pipe (Part No.2) against the drain and the pump and trim the pipe to fit.

Installation (continued)

7. Do a trial assembly (dry - no glue) of the pump onto the drain pipe. Swing the pump until it accurately faces the discharge piping, and then mark the pump and the inlet pipe/adaptor assembly so that you can accurately install the pump in Step 8. Arrange a temporary support under the pump to relieve the strain on the sink drain piping while the glue is setting. Leave it in place while you measure and cut the discharge piping (Step 12).
8. Slide the pump up into position and glue the pipe (Part No.2) into the male adapter (Part No.3 on the pump).
 - No glue on the pump or in the motor;
 - Make sure the pump is facing the right direction (match the marks from Step 7);
 - Put the support in place under the motor.
9. Wrap the 1-1/4 in. galvanized nipple (Part No.4) with 1-1/2 to 2 turns of PTFE pipe thread sealant tape on each end and thread it into the pump discharge port.



NOTE: Tighten this only enough to prevent leaking. Over-tightening can crack the plastic.

10. Hold the nipple (Part No.4) with a pipe wrench and thread one half of the 1-1/4 in. union (Part No.5) onto it, hand tight plus 1-1/2 turns with a pipe wrench or slip-joint pliers.
11. At this time, wrap the threads on both the 1-1/4 in. male adapters (Part No.6) with 1-1/2 to 2 turns of PTFE pipe thread sealant tape. Thread one of the adapters into the other half of the 1-1/4 in. union (Part No.5), hand tight plus 1/2 turn with a wrench or a pair of slip-joint pliers. DO NOT overtighten!
12. Install the discharge piping as shown in Figures 1 and 2. The order is:
 - a. 1-1/4 in. PVC Pipe cut to fit (Part No.7)
 - b. 90° Soc. to Soc. Elbow (Part No.8)
 - c. 1-1/4 in. PVC Pipe cut to fit (Part No.7)
 - d. Male adapter (Part No.6)
 - e. Flow Control/Ball Valve (C), Check Valve (B)



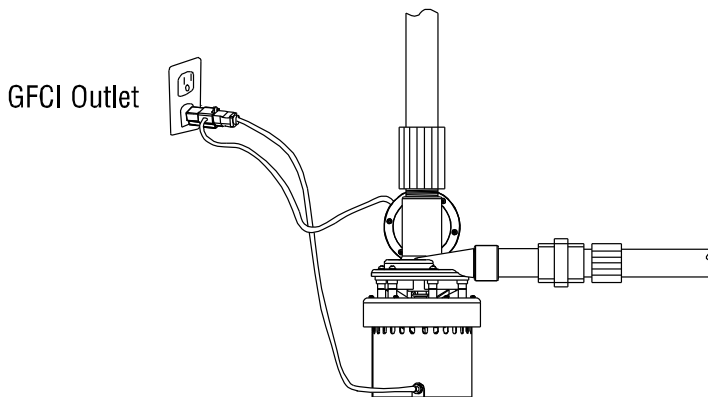
NOTE: Install the check valve in the vertical discharge pipe with the threads down. Be sure the flow arrow points AWAY from the pump. That is, when the check valve is correctly installed, the arrow showing direction of flow should point UP.

- f. 1-1/4 in. Discharge Pipe (Part No.9)
13. Connect the discharge piping (Part No.9) to the building drain.

Operation

Plug in the Pump

AFTER the pump is completely installed, plug the switch into a GFCI protected, properly grounded outlet. Plug the pump into the back of the switch's plug.



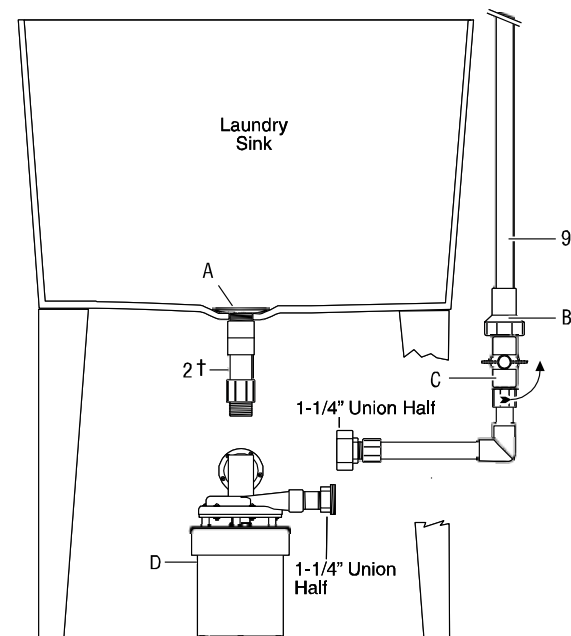
Adjusting the Flow

The drain pump can pump up to 21 gallons per minute (GPM). Normal sink drains allow only 5 to 6 GPM to flow. Adjust the discharge ball valve (C) as follows so that the pump does not cycle on and off when the faucets are on full.

- ❑ Run water into the sink. The pump will start when it detects water.
- ❑ Check for leaks. If leaks are found, unplug the pump power cord and fix the leaks before proceeding.
- ❑ Put a stopper in the drain and allow the sink to fill up a few inches.
- ❑ Open the discharge ball valve (C), open the faucets, and remove the stopper to drain the sink.
- ❑ The pump will start. Adjust the discharge ball valve (C) until the pump runs continuously while the faucets are running and the sink is draining. If the water level rises with the pump on, slightly open the discharge valve to balance the flow. If it drops, slightly close the discharge valve.

Washing Machine Use

Washing machines usually discharge more water than the faucets do, and it is normal for the water level to rise in the sink while the pump is discharging. Do not adjust the discharge valve to match the flow when the washing machine discharges into it, unless the sink is ONLY used for washing machine discharge.



† For easier removal for servicing or cleaning, install a 1-1/2 in. solvent union in the drop pipe.

Figure 3: Pump Removal



NOTE: Washing machine discharge water contains fiber and lint. Unfiltered washing machine discharge could plug the pump and require pump disassembly for cleaning. To avoid this, install a lint trap or bag type filter in the washing machine discharge line and clean it out regularly.

Care and Cleaning



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

This pump requires very little maintenance and should provide a long service life. Problems are rare; when the pump flow drops off, the most likely cause is something solid going down the drain and jamming the impeller.

To clear a jammed impeller:

- Unplug the Pump.
- Close the discharge ball valve (C).
- Bail out the sink as much as possible.
- Disconnect the union (Part No.5), unscrew the pump from the sink tail piece, lower the pump to the floor, and slide it out from under the sink (see Figure 3).
- Remove the six housing screws (see Figure 4).
- Clean out the pump. Make sure that the pump discharge is clear. If necessary, replace the impeller.
- Install the new gasket if necessary. Reassemble the pump.
- Raise the pump back into position, thread it back onto the sink tail piece, and reconnect the union (Part No.5).
- Plug in the pump. Run water in the sink until the pump has run at least one complete cycle to make sure the pump is operating correctly and there are no leaks.

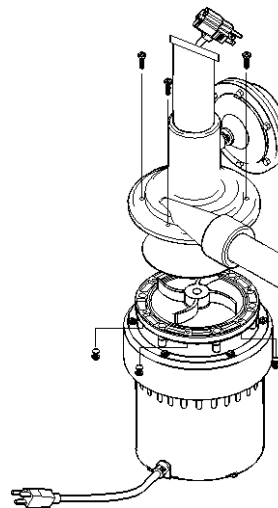
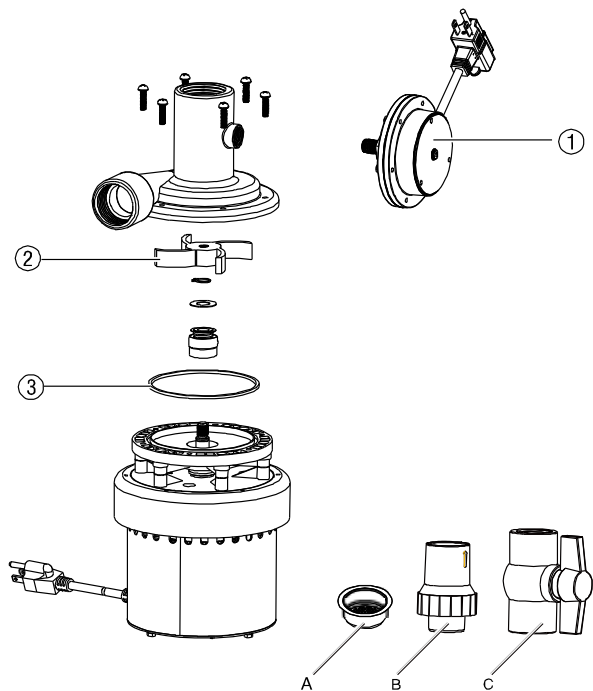


Figure 4: Remove 6 housing screws to clean out pump

Repair Part List



No.	Part Description	Qty.
1	Diaphragm Switch	1
2	Impeller	1
3	Gasket	1
A	Sink Drain Screen	1
B	1-1/4" NPT x 1-1/4" Slip Check Valve	1
C	1-1/4" NPT Ball Valve	1

Troubleshooting

Problem	Possible Cause	Corrective Action
Pump does not run when water flows in from the sink.	<ol style="list-style-type: none"> 1. The pump is unplugged. 2. There is no power to the outlet. 3. The pump impeller is jammed. 4. The sink stopper is in the drain. 5. Insufficient level of water above the diaphragm switch. 	<ol style="list-style-type: none"> 1. Plug in the pump. 2. Check the fuse / breaker. 3. Unplug the pump and follow the procedure under "Care and Cleaning" to clear the pump. 4. Remove stopper. 5. Check the installation per Figure 2.
Pump runs but does not empty the sink.	<ol style="list-style-type: none"> 1. The drain is clogged. 2. The discharge line is clogged. 3. The ball valve is closed. 4. The system discharge line is too high or too long. 5. The check valve is installed backwards. 	<ol style="list-style-type: none"> 1. Clear the drain screen. 2. Unplug the pump. Then open and clear discharge line. 3. Open ball valve slightly. 4. Unplug the pump or reduce the height or length of the discharge line (11 ft. Max. Height). 5. Make sure the flow arrow on the check valve points away from the pump.
Pump cycles on and off when no water is in the sink.	<ol style="list-style-type: none"> 1. Check valve is not installed. 2. Check valve is jammed. 	<ol style="list-style-type: none"> 1. Unplug the pump and install the check valve (see Figures 1 and 2). 2. Unplug the pump. Then open the discharge line and clean the check valve.
Pump cycles on and off when the sink is at maximum water flow or is full.	<ol style="list-style-type: none"> 1. Ball valve is not adjusted. 2. Ball valve is not installed. 	<ol style="list-style-type: none"> 1. See "Adjusting the Flow". 2. Unplug the pump and install a ball valve (see Figures 1 and 2).



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