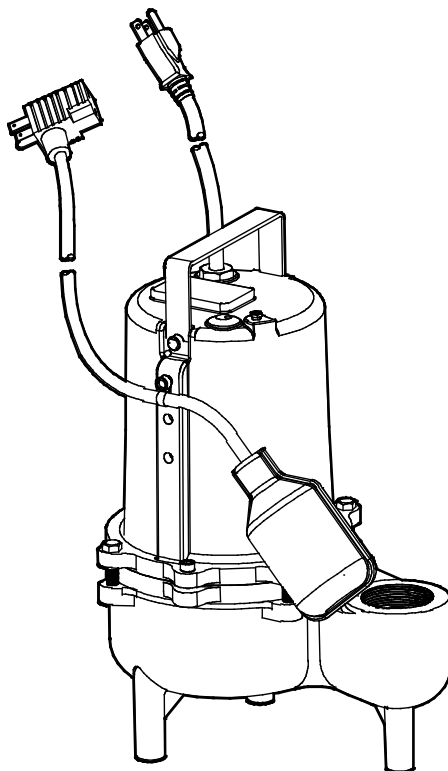




Item #1000 026 319
Model #ESE60W-HD

USE AND CARE GUIDE

SUBMERSIBLE SEWAGE PUMP



Questions, problems, missing parts? Before returning to the store,
call Everbilt Customer Service
8 a.m. – 7 p.m., EST, Monday-Friday, 9 a.m. – 6 p.m., EST, Saturday

1-844-883-1872

HOMEDEPOT.COM

THANK YOU

We appreciate the trust and confidence you have placed in Everbilt through the purchase of this submersible sewage 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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Safety Information

PRECAUTIONS

1. Keep this instruction manual in a safe place for future reference.
2. Do not cut off the ground pin or use an adapter fitting.
3. Do not use an extension cord.
4. The pump power cord should be connected to a separately fused, grounded line with a minimum capacity of 20 A. It can be connected to a non-fuse breaker at the recommended amperes.
5. Installation and electrical wiring must adhere to state/provincial and local codes and must be completed before priming the pump. Check appropriate community agencies, or contact local electrical and pump professionals.
6. The voltage of the power supply must match the voltage of the pump.
7. Place pump on dedicated circuits to avoid low voltage.
8. Plastic PVC pipe can be installed in the outlet piping. A drain hose, galvanized steel or copper pipe may be used if desired. All piping must be clean and free of all foreign matter to prevent clogging.
9. The pump will be inadequate if suspension liquids contain solid particles larger than 2 in. (5.1 cm).

LIMITATIONS

This pump was designed to operate in pump basins of at least 30 in. depth.



DANGER: Keep pump equipment out of the reach of children! Failure to follow the directions given could cause serious risk to individuals or objects.



WARNING: Warnings indicate to the operator that the failure to follow an instruction may damage the pump and/or the system.



WARNING: Before installing or servicing this pump, be certain the power source is disconnected.



WARNING: A permanent ground connection from the pump to the grounding bar at the service panel is mandatory. These pumps come with a grounding conductor and a grounding type attachment plug. Do not connect the pump to a power supply until permanently grounded. For maximum safety, connect the pump to a circuit equipped with a fault interrupter device when positioning the pump's grounding wire.



WARNING: The sewage basin must be vented in accordance with local plumbing codes. These pumps are not designed for and CANNOT be installed in locations classified as hazardous.



WARNING: The following may cause severe damage to the pump and will void the warranty:

- (a) Using an extension cord
- (b) Cutting off the ground pin or using an adapter fitting
- (c) Working on pump or switch while plugged in
- (d) Removing motor housing, unscrewing impeller, or otherwise removing impeller seal
- (e) Running the pump continuously
- (f) Pumping chemicals or corrosive liquids
- (g) Pumping gasoline or other flammable liquids

Safety Information (continued)



CAUTION: Call an electrician when in doubt. The pump should be connected to a separate 20 A circuit breaker or 20 A fuse block. Plugging into existing outlets may cause low voltage at the motor. This could cause blown fuses, tripping of motor overload or a burned out motor.



WARNING: If the pump is damaged, have it inspected by an authorized service center.



WARNING: Make sure that electrical connections are protected from flooding. Protect the plug and the power cable from heat or sharp edges.



WARNING: The power cable must be replaced by qualified personnel only. Grounding: The plug of the power cable has a double grounding contact, so that grounding can be achieved by simply inserting the plug.

ELECTRICAL SAFETY



WARNING: Verify that the voltage and frequency of the pump shown on the nameplate corresponds to those available on the mains. The installer must make sure that the electrical system is grounded in accordance with code.



WARNING: For outdoor use it is necessary to use cable with a length of at least 10 ft. (3 m). The plug and connection should be protected from water splashes, and should never be used with an extension cord. Before using the pump, always inspect it visually (especially power cable and plug).



WARNING: Do not use the pump if it is damaged.

OVERLOAD PROTECTION

This pump series has a built in thermal protection switch, it will protect motor from burning out due to overheating/overloading. When motor cools down, overload protector will automatically reset and start motor.

If overload trips frequently, check for cause. It could be a stuck impeller, wrong/low voltage, or electrical failure in motor. If an electrical failure in the motor is suspected, have it serviced by a competent repairman.

Warranty

This product is guaranteed for a period of five years from the date of original retail purchase against defects in materials and workmanship.

DO NOT return this product (if it has ever been installed) to your local Home Depot store. Sewage pumps that have seen service and have been removed carry a contamination hazard with them. If your sewage pump has failed:

- ☐ Wear rubber gloves when handling the pump
- ☐ Disconnect pump from power source and follow all appropriate safety precautions

Dispose of the pump according to local disposal ordinances.

Subject to the conditions and limitations described below, this product will be replaced with the same model or one of equal value or specifications if the pump's cord end with cord tag and proof of purchase are returned to the retail store within the stated warranty period.

These warranties are subject to the following conditions and limitations:

- a) a proof of purchase receipt verifying the purchase location and purchase data must be provided;
- b) this warranty will not apply to any product or part thereof which is worn or broken or which has become inoperative due to abuse, misuse, accidental damage, foreign materials in the system, operating at pressures in excess of recommended maximums, neglect or lack of proper installation, operation or maintenance (as outlined in the applicable owner's manual or operating instructions) or which is being used for industrial, professional, commercial or rental purposes;
- c) this warranty will not apply to normal wear and tear or to expendable parts or accessories that may be supplied with the product which are expected to become inoperative or unusable after a reasonable period of use;
- d) this warranty will not apply to routine maintenance and consumable items;
- e) this warranty will not apply where damage is caused by repairs made or attempted by others (i.e. persons not authorized by the manufacturer);
- f) this warranty will not apply to any product that was sold to the original purchaser as a reconditioned or refurbished product (unless otherwise specified in writing);
- g) this warranty will not apply to any product or part thereof if any part from another manufacturer is installed therein or any repairs or alterations have been made or attempted by unauthorized persons;

Warranty (continued)

h) this warranty will not apply to normal deterioration of the exterior finish, such as, but not limited to, scratches, dents, paint chips, or to any corrosion or discoloring by heat, abrasive and chemical cleaners; and

i) this warranty will not apply to component parts sold by and identified as the product of another company, which shall be covered under the product manufacturer's warranty, if any.

ADDITIONAL LIMITATIONS

This warranty applies only to the original purchaser and may not be transferred. Neither the retailer nor the manufacturer shall be liable for any other expense, loss or damage, including, without limitation, any indirect, incidental, consequential or exemplary damages arising in connection with the sale, use or inability to use this product.

NOTICE TO CONSUMER

This warranty gives you specific legal rights, and you may have other rights, which may vary from state to state. The provisions contained in this warranty are not intended to limit, modify, take away from, disclaim or exclude any statutory warranties set forth in any applicable provincial or federal legislation.

Contact the Customer Service Team at 1-844-883-1872 or visit www.HomeDepot.com.

Pre-Installation

INSTALLATION REQUIREMENTS

This pump is provided with an on/off float switch for automatic operation. Refer to the Installation instructions included with switches and controllers for installation.

Care should be taken to prevent the pump from running in a dry sump.

The pump must be installed in a suitable gas-tight basin which is a minimum of 18 in. in diameter and a minimum of 30 in. deep and vented in accordance with local plumbing codes.

The pump must be placed on a hard level surface. Never place the pump directly on clay, earth or gravel surfaces.

The pump can be installed with ABS, PVC, polyethylene or galvanized steel pipe. Proper adapters are required to connect plastic pipe to the pump.

Always install a union in the discharge line, just above the sump pit, to allow for easy removal of the pump for cleaning or repair.

A check valve must be used in the discharge line to prevent back flow of liquid into the basin. The check valve should be a free flow valve that will easily pass solids.



CAUTION: Install the check valve per the manufacturer's recommendation.

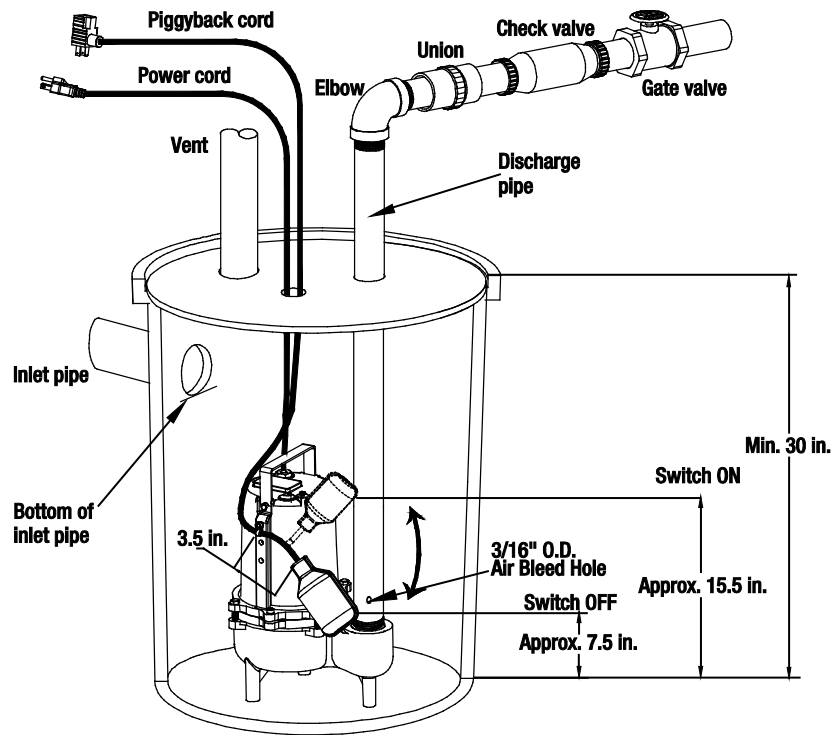
When a check valve is used, drill a relief hole 3/16 in. in diameter in the discharge pipe. This hole should be located below the floor line between the pump discharge and the check valve. Unless such a relief hole is provided, the pump could "air-lock" and will not pump water even though it will run.

A gate valve should follow the check valve to allow periodic cleaning of the check valve or removal of the pump.

The remainder of the discharge line should be as short as possible with a minimum of turns to minimize friction head loss. Do not restrict the discharge to sizes below 2 in..

Sewage and effluent applications will require a separate sump vent. A connection is provided on top of the sump or cover which must be piped to the existing building vent or extended outside with its own standpipe.

Pre-Installation (continued)

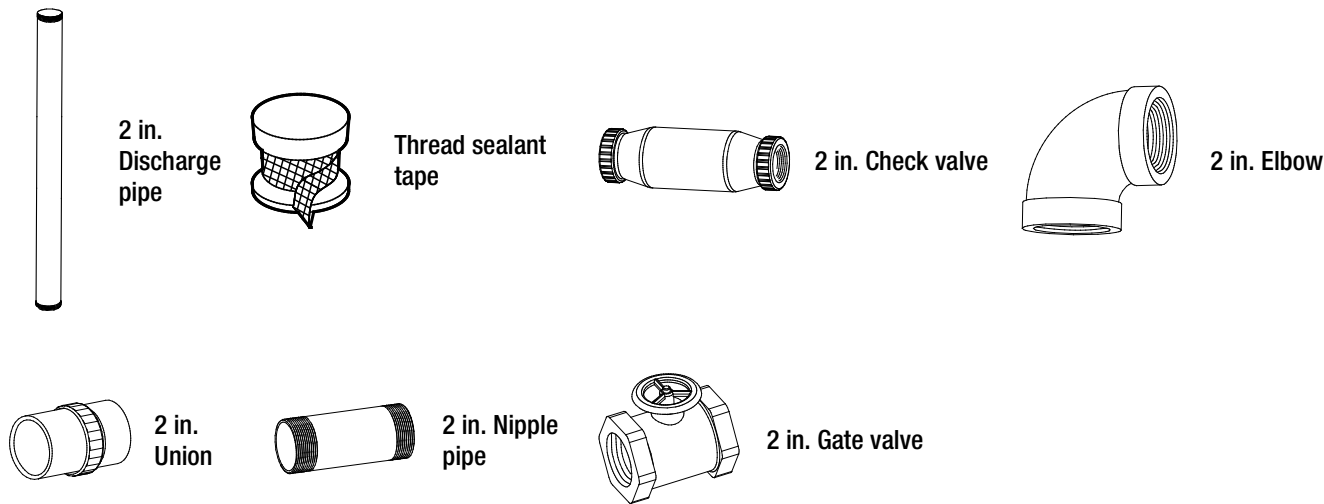


PERFORMANCE CHART

SKU	HP	Volt	Amps	GPH of Water @ Total Feet of Lift						Max. Lift
				0 ft.	5 ft.	10 ft.	15 ft.	20 ft.	25 ft.	
1000 026 319	6/10	115V	12A	9910	8900	7500	5800	4000	600	26 ft.

MATERIALS REQUIRED (NOT INCLUDED)

Before using this pump, ensure you have the following items:

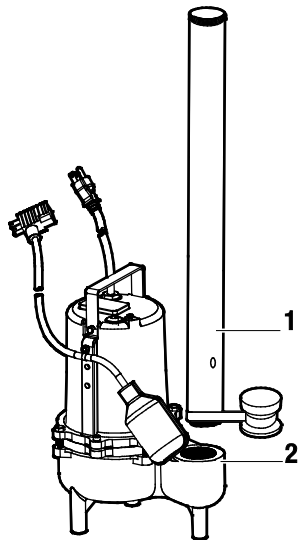


NOTE: The consumer/installer should purchase either a pre-threaded 2 in. MNPT pipe (or unthreaded pipe and pipe threader) or a 2 in. adapter (2 in. MNPT x 2in. OD slip fit).

Installation

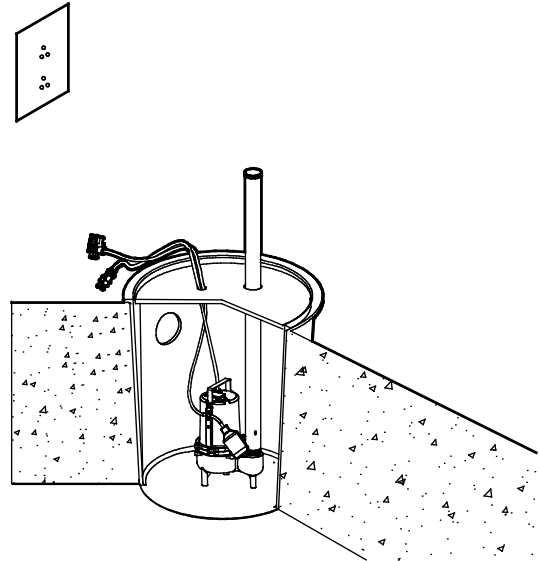
1 Connecting a discharge pipe to the pump

- Wrap the threads of the 2 in. discharge pipe (1) with thread sealant tape.
- Attach the discharge pipe (1) to the discharge of the pump (2).



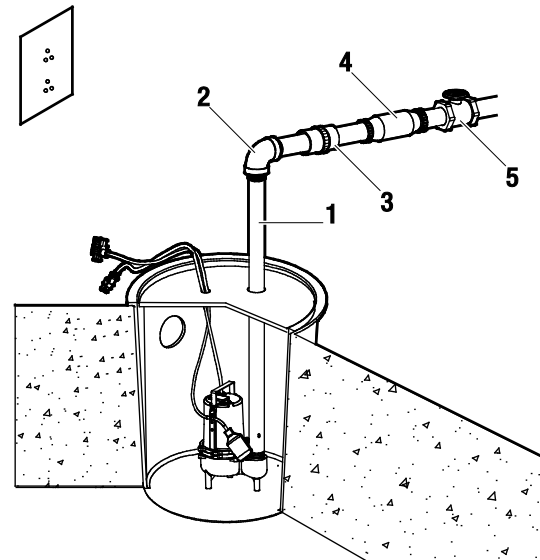
2 Placing the pump in a basin

- Place the pump on a hard surface inside a sewage basin.



3 Connecting the check valve

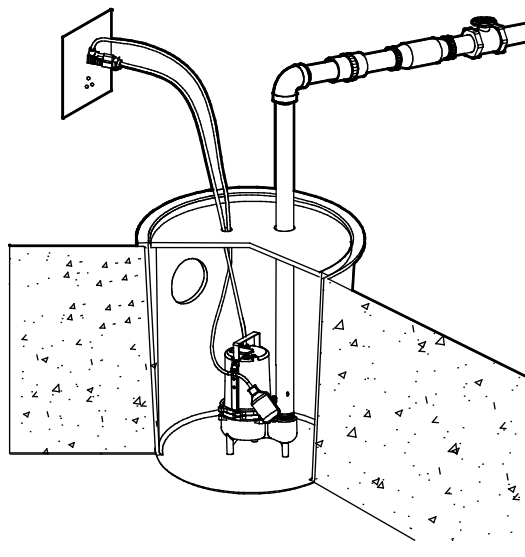
- Connect the discharge pipe (1) to the elbow (2), union (3), check valve (4), and gate valve (5).



Operation

1 Connecting power

- Plug the pump power cord plug into the piggyback switch plug outlet.
- Plug the switch plug into a 115V GFCI power outlet.

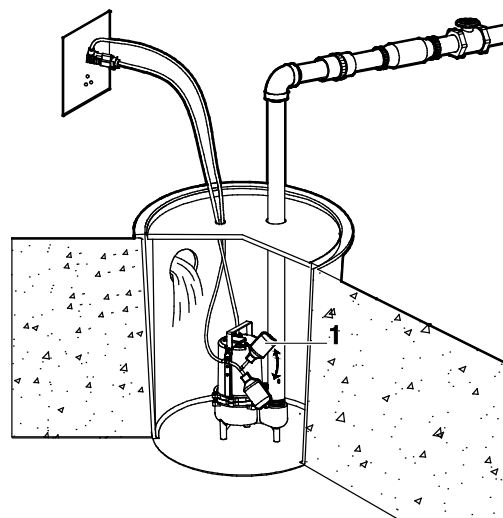


2 Operating the pump

- When the float switch (1) moves up over the top of the pump, the pump begins to operate. When the water lowers to a certain level, the float switch (1) will turn the pump off.
- Allow pump to operate through several on-off cycles.



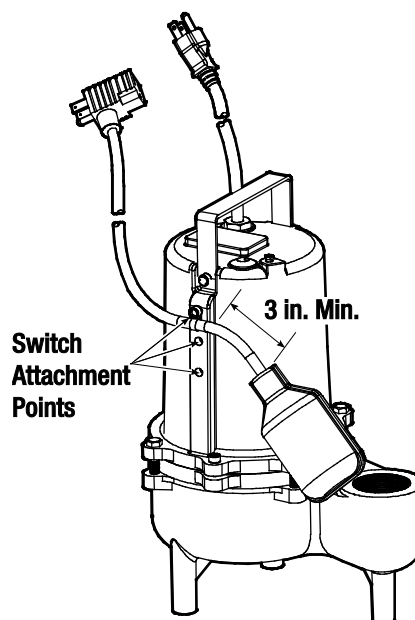
NOTE: Ensure the pump is submerged in water. Running the pump dry can damage the pump.



3 Switch tether height adjustment

Depending on the height of the inlet pipe, the pump float switch may need to be adjusted. The switch cord is fastened to the side of the motor housing with a clip and screw. If the water in the basin is allowed to rise beyond the bottom of the inlet pipe before activating the pump, lower the float switch cord per the instructions below. Always maintain 3 in. of cord length between the switch and the clip.

- Determine the height of the bottom of the inlet.
- Raise the float switch to determine the height at which the pump is activated. Only allow the pump to run for 1 second dry.
- Remove the screw from the float tether clip and replace in to a lower threaded hole that allows the pump to operate before water reaches the bottom of the inlet pipe.
- Test the on/off operation of the switch by adding clean water to the basin while observing the pump operation.



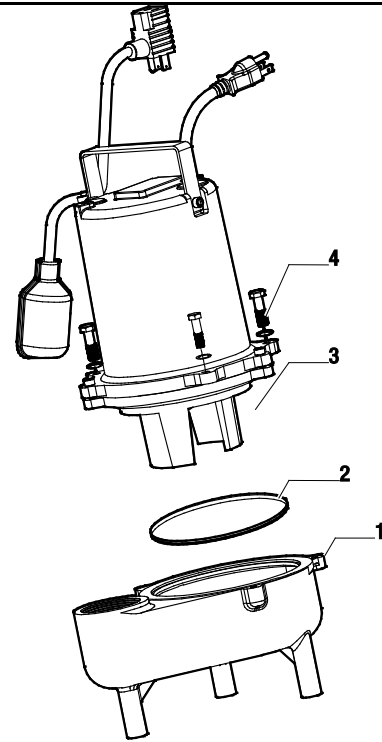
Care and Cleaning

To clear a pump that is clogged with debris:

- ❑ Unplug the pump to disconnect the electrical power.
- ❑ Unscrew the four screws (4) on the pump body and remove the volute (1) and O-ring (2).
- ❑ Remove debris from around the impeller (3).
- ❑ Reassemble the pump.



NOTE: This pump features an oil filled motor for efficient cooling. The oil also serves to permanently lubricate the bearings. DO NOT disassemble the pump body as oil will leak out and warranty will be void.



Troubleshooting



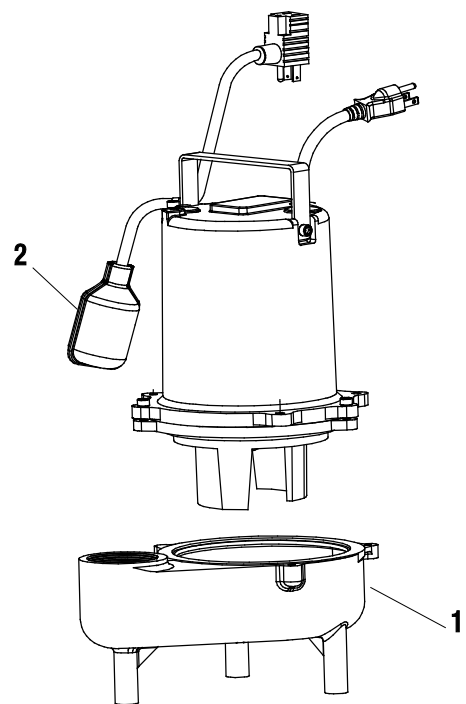
WARNING: Before servicing a pump, always shut off the main power breaker and then unplug the pump. Under flooded conditions, make sure you are not standing in water and that you are wearing insulated protective sole shoes. Contact your local electric company or a qualified licensed electrician for disconnecting electrical service prior to pump removal.



CAUTION: Call an electrician when in doubt. The pump should be connected to a separate 20 A circuit breaker or 20 A fuse block. Note that plugging into existing outlets may cause low voltage at the motor. This could cause blown fuses, tripping of motor overload or a burned out motor.

Problem	Probable Causes and Solutions
The pump does not run and makes a humming sound.	<ul style="list-style-type: none"> <input type="checkbox"/> The line circuit breaker is off, or the fuse is blown or loose. <input type="checkbox"/> The water level in the basin has not reached turn-on level as indicated in the Installation Requirements drawing. <input type="checkbox"/> The pump cord is not making contact in the receptacle. <input type="checkbox"/> The float is stuck. It should operate freely in the basin. <input type="checkbox"/> If all of the above are OK, then the motor could be malfunctioning.
The pump runs but does not deliver water.	<ul style="list-style-type: none"> <input type="checkbox"/> Check if the check valve is installed backwards. The arrow on the check valve should point in the direction of flow. <input type="checkbox"/> The gate valve (if used) may be closed. <input type="checkbox"/> The impeller or volute openings are fully or partially clogged. Remove the pump and clean. <input type="checkbox"/> The pump is air-locked. Start and stop several times by plugging and unplugging the cord. Check for clogged vent hole in the pump case or discharge pipe and/or no vent hole in the pump case or discharge pipe. <input type="checkbox"/> The inlet holes in the pump base are clogged. Remove the pump and clean the openings. <input type="checkbox"/> The vertical pumping distance is too high. Reduce the distance or change the discharge fittings of the pump.
The pump runs and pumps out sump, but does not stop.	<ul style="list-style-type: none"> <input type="checkbox"/> The float is stuck in the up position. Be sure the float operates freely in the basin. <input type="checkbox"/> The float switch is defective. Replace the float switch.
The pump runs but only delivers a small amount of water.	<ul style="list-style-type: none"> <input type="checkbox"/> The pump is air-locked. Start and stop several times by plugging in and unplugging the cord. Check for a clogged vent hole in the pump case. <input type="checkbox"/> The vertical pumping distance is too high. Reduce the distance or change the discharge fitting of the pump. <input type="checkbox"/> Inlet holes in the pump base are clogged. Remove the pump and clean the strainer and openings. <input type="checkbox"/> The impeller or volute openings are fully or partially clogged. Remove the pump and clean.
The fuse blows or circuit breaker trips when the pump starts.	<ul style="list-style-type: none"> <input type="checkbox"/> The pump impeller is partially clogged, causing the motor to run slowly and overload. Remove the pump and clean. <input type="checkbox"/> The motor stator may be defective. <input type="checkbox"/> The fuse size or circuit breaker may be too small (must be 20 A). <input type="checkbox"/> The impeller or volute openings are fully or partially clogged. Remove the pump and clean.
The motor runs for a short time and then stops.	<ul style="list-style-type: none"> <input type="checkbox"/> The inlet holes in the pump base are clogged. Remove the pump and clean the openings. <input type="checkbox"/> The pump impeller is partially clogged, causing the motor to run slowly and overload. Remove the pump and clean. <input type="checkbox"/> The motor stator may be defective. <input type="checkbox"/> The impeller or volute openings are fully or partially clogged. Remove the pump and clean. Also clean the strainer if one is installed.

Service Parts



No.	Description	Part Number	Quantity
1	Volute	HDESE6001-1	1
2	Float switch	HDESE6002	1



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