SEWAGE PUMP

ZoellerAtHome.com

MODEL #1263

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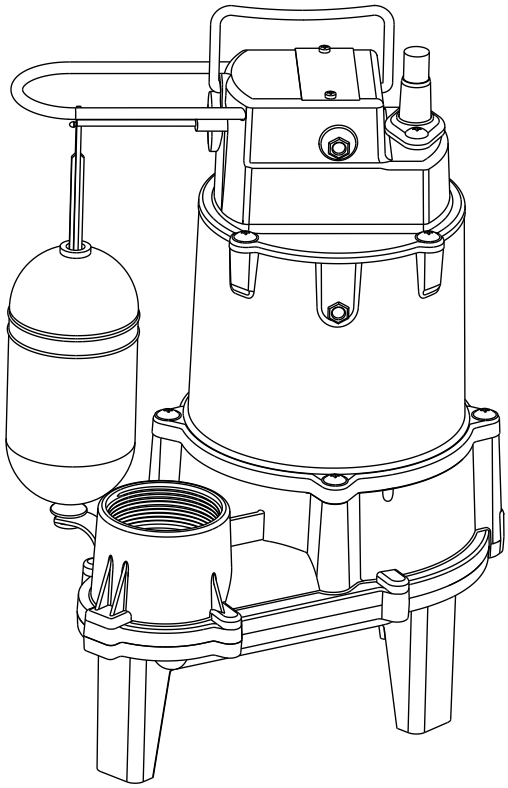
Español p. 17



ATTACH YOUR RECEIPT HERE

Serial Number _____ Purchase Date _____

Questions, problems, missing parts? Before returning to your retailer, call our customer service department at 1-800-584-8089, 7:30 a.m. - 5:00 p.m., EST, Monday - Friday.

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⚠ SAFETY INFORMATION

Please read and understand this entire manual before attempting to assemble, operate, or install the product.

- **NOTE**: Pumps with the “UL” Mark and pumps with the “US” mark are tested to UL Standard UL778. CSA certified pumps are certified to CSA Standard C22.2 No. 108. (CUS.)

⚠ DANGER

- **ELECTRICAL SHOCK HAZARD.**
  Always disconnect power source before performing any work on or near the motor or its connected load. If the power disconnect point is out-of-sight, lock it in the open position and tag it to prevent unexpected application of power. Failure to do so could result in fatal electrical shock.
- **ELECTRICAL SHOCK HAZARD.**
  Do not handle the pump with wet hands or when standing in water as fatal electrical shock could occur. Disconnect main power before handling unit for ANY REASON!
- **RISK OF ELECTRIC SHOCK.**
  These pumps have not been investigated for use in swimming pool areas.

⚠ WARNING

- **ELECTRICAL SHOCK ALERT.**
  To reduce the risk of electric shock, install only a circuit protected by a ground-fault circuit-interruptor (GFCI). Make certain that the ground fault receptacle is within the reach of the pump’s power supply cord. DO NOT USE AN EXTENSION CORD.
- **ELECTRICAL SHOCK ALERT.**
  Follow all local electrical and safety codes, as well as the National Electrical Code (NEC) and the Occupational Safety and Health Act (OSHA).
- **ELECTRICAL SHOCK ALERT.**
  Do not kink power cable, and never allow the cable to come in contact with oil, grease, hot surfaces, chemicals, or sharp objects. Replace damaged or worn wiring cord immediately.
- **ELECTRICAL SHOCK ALERT.**
  As a safety measure, each electrical outlet should be checked for ground using an Underwriters Laboratory Listed circuit analyzer, which will indicate if the power, neutral, and ground wires are correctly connected to your outlet. If they are not, contact a licensed electrician.
- **ELECTRICAL SHOCK ALERT.**
  These pumps are supplied with a 3-prong grounded plug to help protect you against the possibility of electrical shock. DO NOT UNDER ANY CIRCUMSTANCES REMOVE THE GROUND PIN.
- **ELECTRICAL SHOCK ALERT.**
  To reduce the risk of electric shock, install only a circuit protected by a ground-fault circuit-interruptor (GFCI).
- **ELECTRICAL SHOCK ALERT.**
  Make sure the pump electrical supply circuit is equipped with fuses or circuit breakers of proper capacity. A separate branch circuit is recommended, sized according the National Electrical Code for the current shown on the pump name plate.
- **CHEMICAL ALERT.**
  ⚠ Prop65 Warning for California residents: WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

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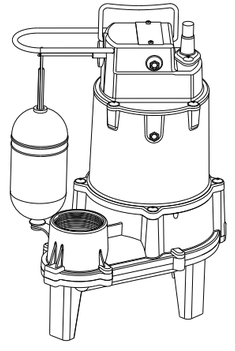
CAUTION

- **PRODUCT DAMAGE MAY RESULT.**
  Make certain that the power source conforms to the requirements of your equipment.
- **PRODUCT DAMAGE MAY RESULT.**
  Maximum continuous operating water temperature for standard model pumps must not exceed 104°F (40°C).

PACKAGE CONTENTS

Description	Quantity
Pump	1



PREPARATION

Before beginning installation of product, make sure all parts are present. Compare parts with package contents list. If any part is missing or damaged, do not attempt to assemble the product.

Estimated Installation Time: 2 hours

Tools Required for Assembly (not included): Adjustable wrench, hacksaw, flathead screwdriver, Phillips screwdriver, tape measure, utility knife, pipe wrench.

Parts Required For Assembly (not included): sewage pump basin minimum 18 in. w x 30 in. deep, basin cover, basin gasket, 2 in. check valve, 2 in. union, gate valve or ball valve as required by codes, 2 in. Sched 40 PVC pipe, 2-step PVC glue system (primer and sealer), cable or zip ties.

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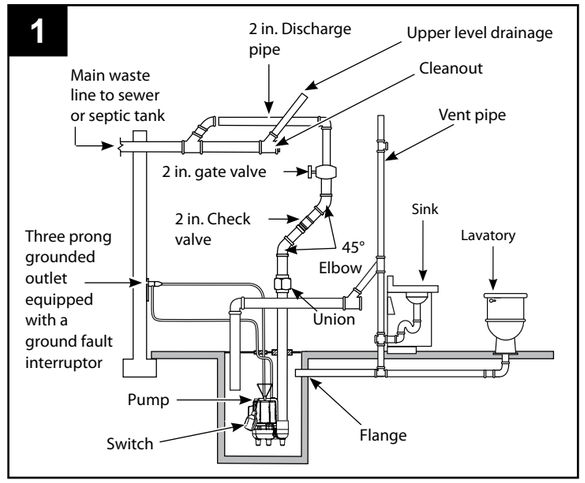
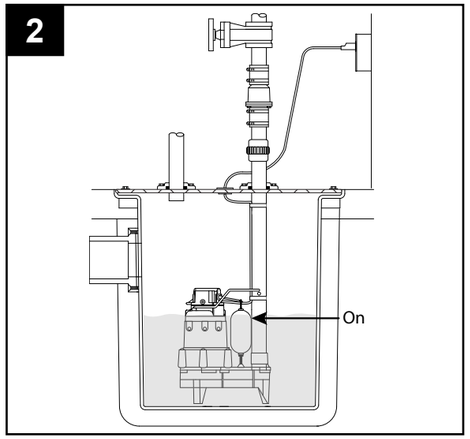
GENERAL PUMP INFORMATION

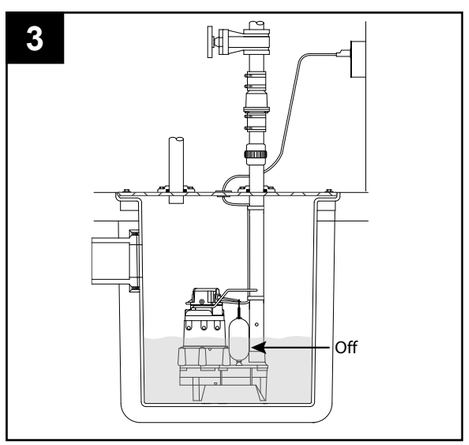
1. Sewage pumps are pumps used to remove waste water that contains solids up to 2 in. in diameter. The most common application is for draining bathroom waste water to a sewer or septic line.



2. These pumps are equipped with a float switch. The pump will turn on automatically when the water level in the basin reaches the “on” level.



3. The pump will turn off automatically when the water level in the basin reaches the “off” level.



Item	On Level	Off Level
1263	10.25 in.	5 in.

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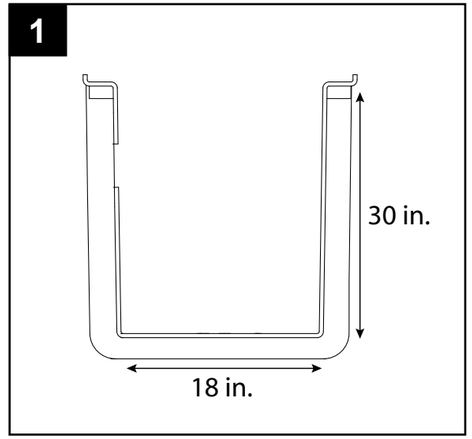
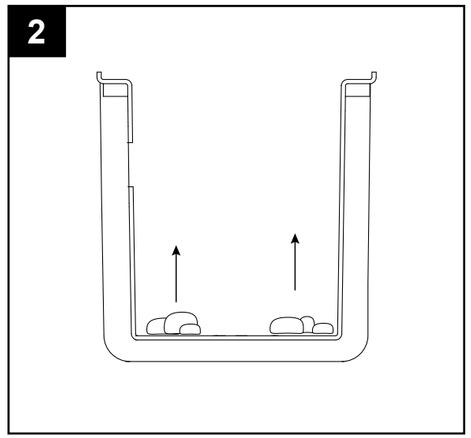
INSTALLATION INSTRUCTIONS

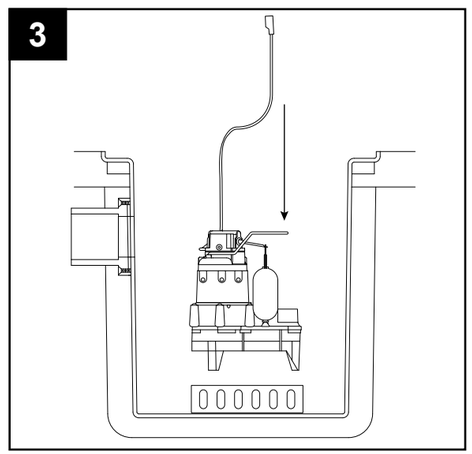
1. Use a basin (not included) that is at least 18 in. wide by 30 in. deep.



2. Clean the basin of all debris.



3. Set the pump on a solid, level surface. A brick or block (not included) may be installed under the pump to provide a solid base.



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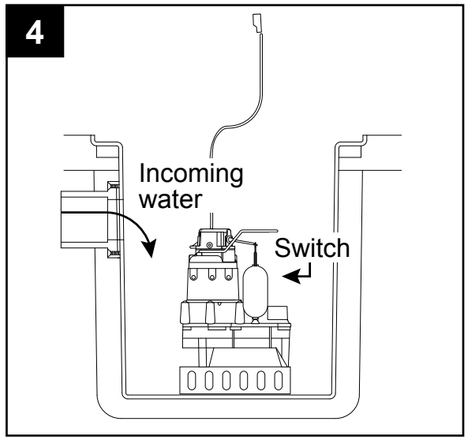
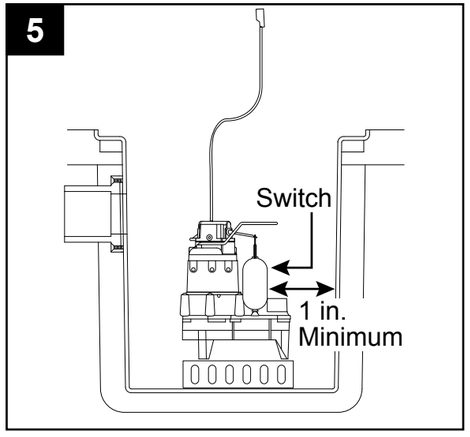
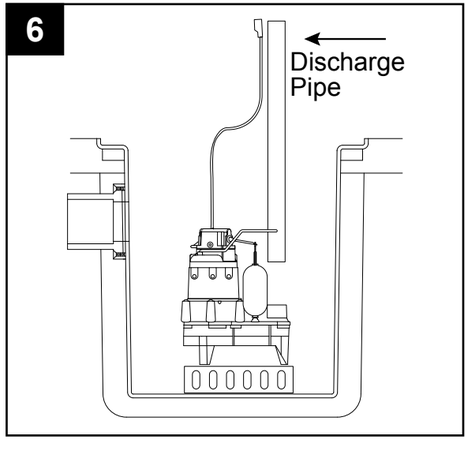
4. Place the pump inside the basin with the switch positioned away from incoming water.



5. Be sure the float switch is at least 1 in. away from the side walls of the basin and free of any obstructions through the full range of switch motion.



6. Install rigid 2 in. discharge pipe (not included) according to local, regional, and state codes.



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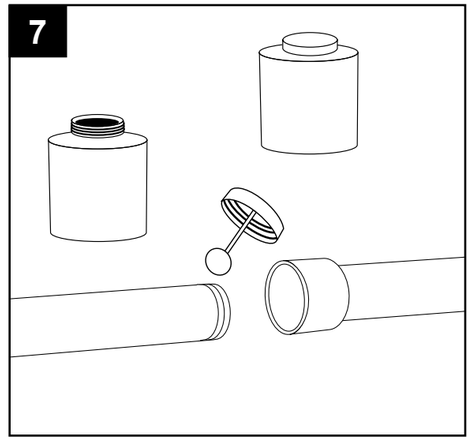
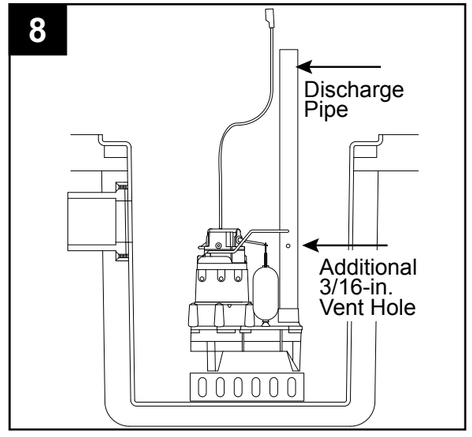
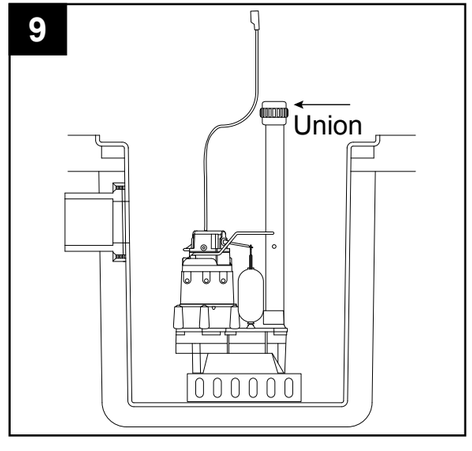
7. Use a 2-step PVC glue system (not included) to join pipe and any fittings needed.



8. Drill a 3/16 in. hole in the discharge pipe above the pump discharge to prevent air lock. Pumps have a vent located in the pump, but an additional vent hole is recommeded. Water stream will be visible from this hole when the pump is running. The hole must be cleaned periodically.



9. Install a 2 in. union (not included) above the basin to allow the pump to be removed for cleaning and service.



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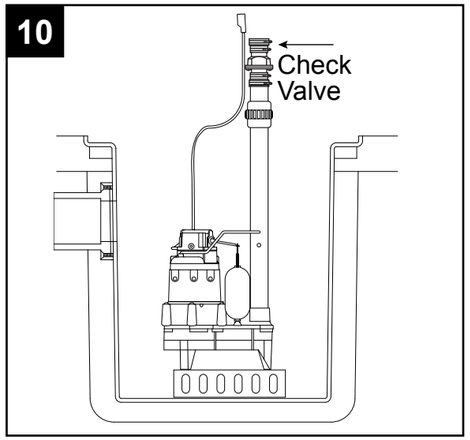
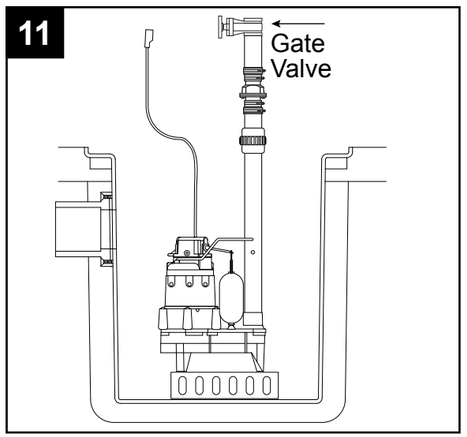
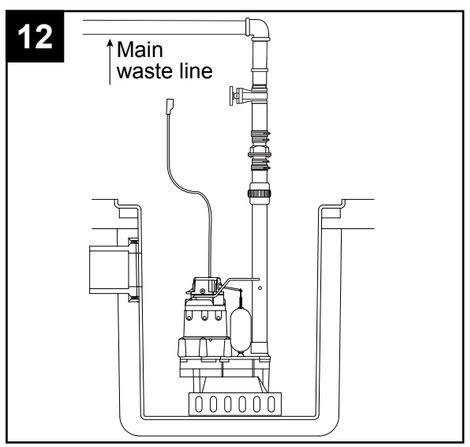
10. Install a 2 in. check valve (not included) above the union to prevent back-flow.



11. Install a 2 in. gate valve (not included) above the check valve as required by local, regional or state codes.



12. Connect remaining discharge pipe into main waste line to sewer or septic tank.



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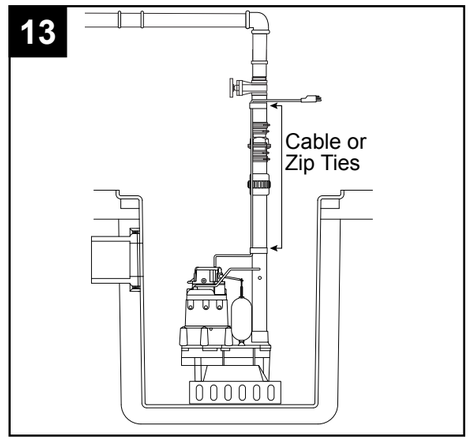
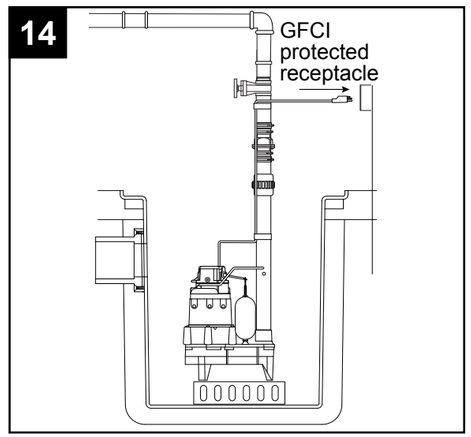
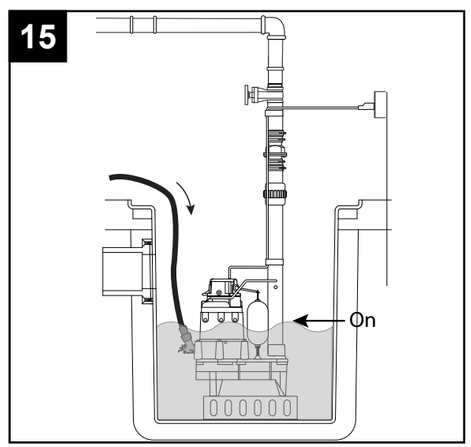
13. Attach power supply cord to discharge pipe using cable or zip ties (not included) to allow the float switch to move freely.



14. Connect pump power supply cord to a receptacle protected by a ground fault circuit interruptor (GFCI).



15. Fill the basin with water to check operation. The pump will start when the water level has reached the switch “on” level. Refer to page 4 for “on” level.



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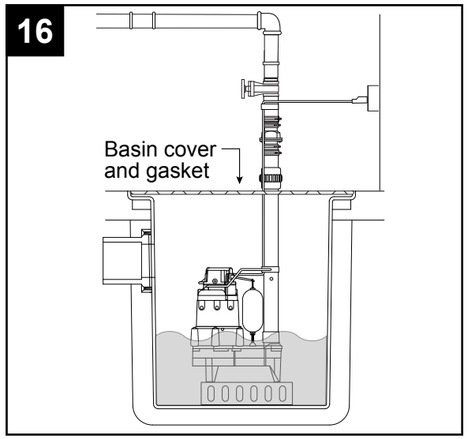
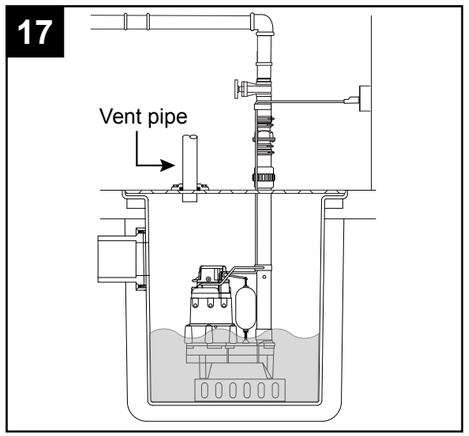
INSTALLATION INSTRUCTIONS

16. Install a basin cover and gasket (not included) on the top of the basin. This will contain gases and odors, prevent debris from falling into the basin, and prevent personal injury.



17. Install a vent pipe (not included) according to local, regional, or state codes to remove gases and odors.



SPECIFICATIONS

MOTOR DATA CHART				
HP	Phase	Volts	Max Amps	Locked Rotor Amps
1/2	1	115	9.8	19.5

PERFORMANCE					
Item Number	HP	Ft. of Head	Flow (GPM)	Shut Off Head (Ft.)	Discharge Size
1263	1/2	0	103	18	2 in.
		5	90		
		10	60		
		15	23		

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TROUBLESHOOTING

Problem	Possible Cause	Corrective Action
Pump will not start or run.	1. Water level too low.	1. Water must be at the appropriate level to activate switch.
	2. Blown fuse or tripped circuit breaker.	2. If blown, determine cause and then either replace with properly sized fuse, or reset breaker.
	3. Low line voltage.	3. Contact an electrician.
	4. Motor is defective.	4. Replace pump.
	5. Switch is defective.	5. Replace switch.
	6. Inlet screen clogged.	6. Remove debris.
	7. Switch is obstructed.	7. Remove obstruction to ensure free motion of switch.
Pump starts and stops too often.	1. Water is back-flowing into basin from discharge pipe.	1. Install check valve.
	2. Switch is defective.	2. Replace switch.
	3. Check valve not functioning properly or leaking.	3. Be sure check valve is installed and operating properly. Replace check valve if necessary .
Pump shuts off and turns on independently of switch (trips thermal overload protection.)	1. Excessive water temperature.	1. Pump should not be used for water above 104°F (40°C).
	2. Switch is defective.	2. Replace switch.
	3. Switch is obstructed.	3. Remove obstruction to ensure free motion of switch.
	4. Discharge pipe is clogged.	4. Remove clog in discharge piping.
	5. Low line voltage.	5. Contact an electrician.
Pump is noisy or vibrates excessively.	1. Worn bearings.	1. Replace pump.
	2. Impeller is clogged or damaged.	2. Where applicable, remove screen and volute, clean impeller or replace impeller.
	3. Piping attachment to building structure too rigid or too loose.	3. Install rubber coupling (not included) to isolate pump vibration from discharge piping.
Pump will not shut off.	1. Switch is defective.	1. Replace switch.
	2. Switch is obstructed.	2. Remove obstruction to ensure free motion of switch.
	3. Discharge pipe is clogged.	3. Remove clog in discharge piping.
	4. Water inflow exceeds pump capacity. .	4. Re-check sizing calculations to determine proper pump size.

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TROUBLESHOOTING

Problem	Possible Cause	Corrective Action
Pump operates, but delivers little or no water.	1. Low line voltage.	1. Contact an electrician.
	2. Inlet screen clogged.	2. Remove debris.
	3. Broken impeller or debris in impeller cavity.	3. Remove screen and volute, clean impeller or replace impeller.
	4. Check valve stuck closed or installed backwards.	4. Be sure check valve is installed and operating properly. Replace check valve if necessary .
	5. Shut off valve closed.	5. Open shut off valve.

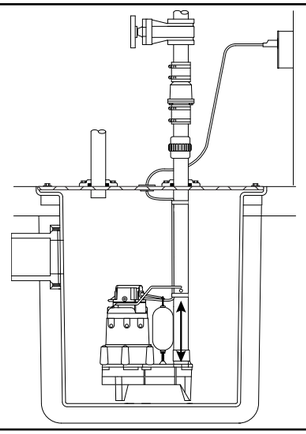
CARE AND MAINTENANCE

⚠ **WARNING:** Always disconnect pump from power supply before handling.

Inspect and test system for proper operation at least every three months.

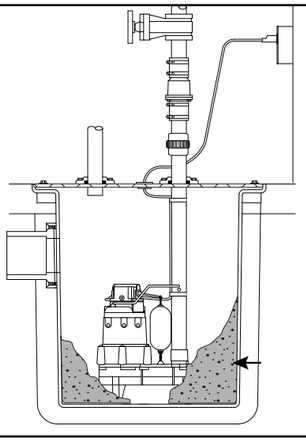
1. Remove any build-up of debris from the switch or float, and check to be sure it moves freely.

1



2. Remove any debris from the basin that could interfere with the operation of the switch.

2



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WARRANTY

This product is warranted for three years from the date of purchase. Subject to the conditions hereinafter set forth, the manufacturer will repair or replace to the original consumer, any portion of the product which proves defective due to defective materials or workmanship. To obtain warranty service, contact the dealer from whom the product was purchased. The manufacturer retains the sole right and option to determine whether to repair or replace defective equipment, parts or components. Damage due to conditions beyond the control of the manufacturer is not covered by this warranty.

THIS WARRANTY WILL NOT APPLY: (a) To defects or malfunctions resulting from failure to properly install, operate or maintain the unit in accordance with printed instructions provided; (b) to failures resulting from abuse, accident or negligence or use of inappropriate chemicals or additives in the water; (c) to normal maintenance services and the parts used in connection with such service; (d) to units which are not installed in accordance with normal applicable local codes, ordinances and good trade practices; and (e) if the unit is used for purposes other than for what it was designed and manufactured.

RETURN OF WARRANTED COMPONENTS: Any item to be repaired or replaced under this warranty must be returned to the manufacturer at Kendallville, Indiana or such other place as the manufacturer may designate, freight prepaid.

THE WARRANTY PROVIDED HEREIN IS IN LIEU OF ALL OTHER EXPRESS WARRANTIES, AND MAY NOT BE EXTENDED OR MODIFIED BY ANYONE. ANY IMPLIED WARRANTIES SHALL BE LIMITED TO THE PERIOD OF THE LIMITED WARRANTY AND THEREAFTER ALL SUCH IMPLIED WARRANTIES ARE DISCLAIMED AND EXCLUDED. THE MANUFACTURER SHALL NOT, UNDER ANY CIRCUMSTANCES, BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES, SUCH AS, BUT NOT LIMITED TO DAMAGE TO, OR LOSS OF, OTHER PROPERTY OR EQUIPMENT, LOSS OF PROFITS, INCONVENIENCE, OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY TYPE OR NATURE. THE LIABILITY OF THE MANUFACTURER SHALL NOT EXCEED THE PRICE OF THE PRODUCT UPON WHICH SUCH LIABILITY IS BASED.

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

In those instances where damages are incurred as a result of an alleged pump failure, the Homeowner must retain possession of the pump for investigation purposes.

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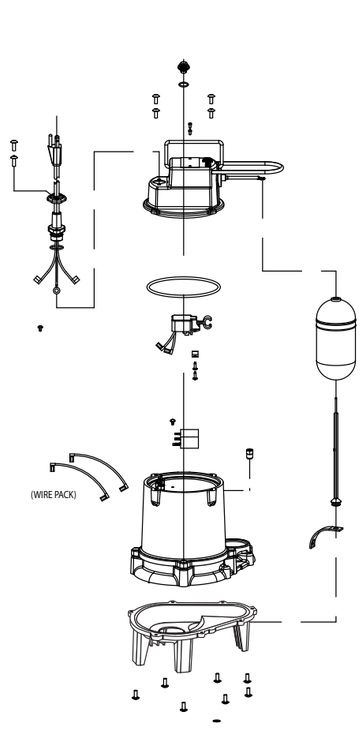
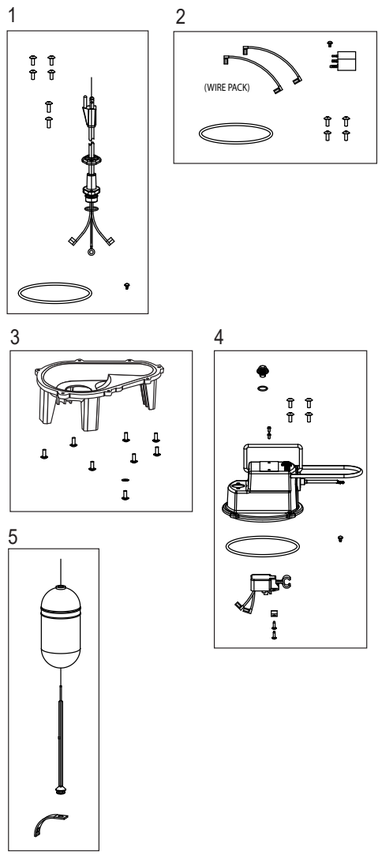
REPAIR PARTS

ITEM	DESCRIPTION	MODEL 1263
1	Cord Kit Includes cord w/o-ring, case o-ring (115x4 NBR), clamp screws (M5-0.8x16), cap screws (M6-1.0x15), GND screw (M4-0.7x6.0)	025390
2	Capacitor Kit Includes capacitor, cap screws (M6-1.0x15), mounting screw (M4-0.7x6), case o-ring (115x4 NBR)	025383
3	Base Kit Includes pump base, screws (M5-0.8x15)	025388
4	Cap Kit Includes cap screws (M6-1.0x15), GND screw (M4-0.7x6.0), case o-ring (115x4 NBR), cap with handle, guard and plug, nameplate screw (M3x1.34), switch to case screws, switch	025385
5	Float Kit Includes guide rod, guide strap, float	025381





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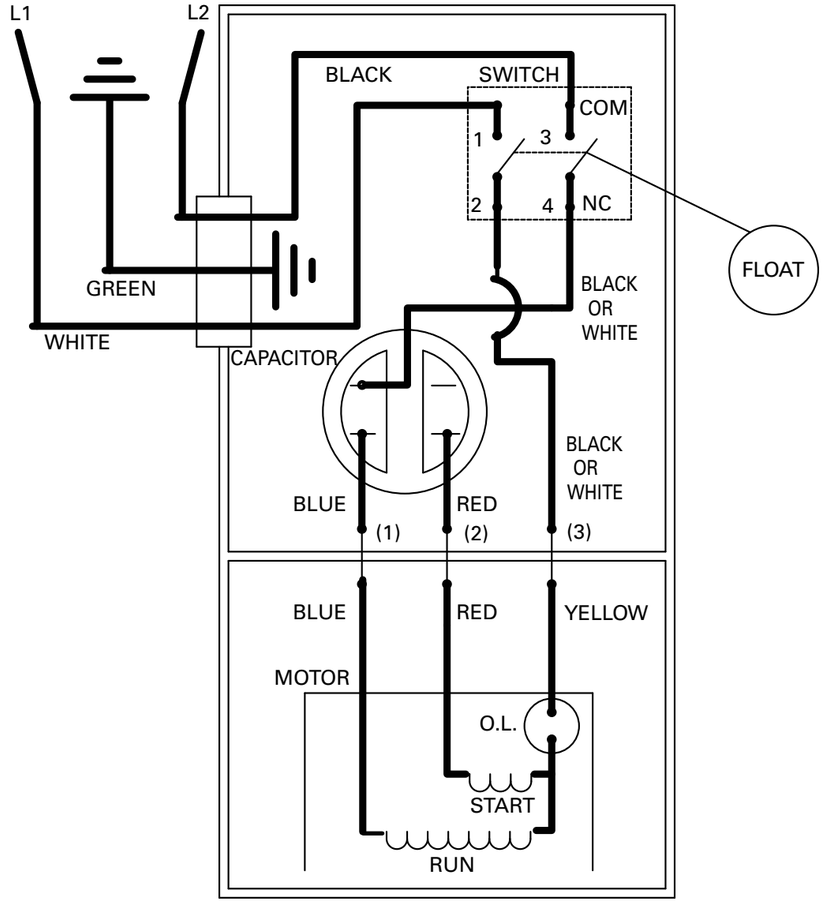
WIRING DIAGRAM



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