

Little GIANT

Little Giant
P. O. Box 12010
Oklahoma City, OK 73157-2010
405.947.2511 • Fax: 405.947.8720
www.LittleGiantPump.com
CustomerService-WTS@fele.com

WATER WIZARD AUTOMATIC SUMP PUMP 5-ASP-FS



INTRODUCTION

This instruction sheet provides you with the information required to safely own and operate your Little Giant pump. Retain these instructions for future reference.

The Little Giant pump you have purchased is of the highest quality workmanship and material, and has been engineered to give you long and reliable service. Little Giant pumps are carefully tested, inspected, and packaged to ensure safe delivery and operation. Please examine your pump carefully to ensure that no damage occurred during shipment. If damage has occurred, please contact the place of purchase. They will assist you in replacement or repair, if required.

READ THESE INSTRUCTIONS CAREFULLY BEFORE ATTEMPTING TO INSTALL, OPERATE, OR SERVICE YOUR LITTLE GIANT PUMP. KNOW THE PUMP'S APPLICATION, LIMITATIONS, AND POTENTIAL HAZARDS. PROTECT YOURSELF AND OTHERS BY OBSERVING ALL SAFETY INFORMATION. FAILURE TO COMPLY WITH THESE INSTRUCTIONS COULD RESULT IN PERSONAL INJURY AND/OR PROPERTY DAMAGE!

SAFETY GUIDELINES



1. **CAUTION:** To reduce risk of electric shock, pull plug before servicing this pump.
2. This pump is designed to pump water. **DO NOT PUMP** strong chemicals, solvents, brines, or thick liquids such as oils or grease.
3. Do not pump flammable liquids such as gasoline or fuel oil.
4. During operation the area around the pump may be covered with water. Take care when handling the pump. Do not pull pump out of water when running by the power cord.
5. Do not stand in water when changing fuse.
6. Make sure outlet is grounded.
7. The National Electric Code requires a Ground Fault Circuit Interrupter (GFCI) be installed in the branch circuit supplying fountain equipment, ponds, etc. See your local electrical supply dealer for various brands of GFCI devices.
8. This pump's motor housing is filled with a dielectric lubricant at the factory for optimum motor heat transfer and lifetime lubrication of the bearings. Use of any other lubricant could cause damage and void the warranty. This lubricant is non-toxic; however, if it escapes the motor housing, it should be removed from the surface quickly by placing newspapers or other absorbent material on the water surface to soak it up, so aquatic life is undisturbed.

ELECTRICAL CONNECTIONS



Your pump is supplied with a 3-prong electrical plug. The third prong is to ground the pump to prevent possible electrical shock hazard. Do not remove the third prong from the plug.

A separate branch circuit is recommended. Do not use an extension cord.

INSTALLATION

1. Clean any debris from the sump pit and set the pump in the center of the pit. A solid bottom will prevent sand and dirt from clogging the pump.
2. Connect the discharge piping and run it to the nearest sewer or surface outlet. Use pipe joint compound at all connections. Sump pumps can be piped to discharge into the house drainage system, to a dry well, splash block, or to a storm drain, depending on local plumbing codes. The discharge pipe should be as short as possible and contain as few elbows as possible. The discharge pipe should be the same diameter as the discharge size to reduce pipe friction losses. Smaller pipe will restrict capacity and reduce pump performance. The sump pump comes with 1" female pipe thread discharge.
3. 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.
4. In situations where the piping is long, the vertical discharge is above 7 or 8 feet, or a small pit has been provided, use of a check valve is recommended to prevent backflow of water into the sump. When a check valve is used, drill a relief hole (1/8" or 3/16" 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.
5. Tape the switch cord and pump cord to the discharge line with electrician's tape. This will protect the cords from damage and will prevent them from interfering with the float.
6. **TEST THE PUMP AFTER ALL CONNECTIONS HAVE BEEN MADE.** Run water into sump. Do not attempt to operate the pump without water; this will damage the seals and bearings and could result in permanent damage to the pump. Fill sump

to normal "on" level and allow pump to remove water to the normal "off" level (Figure 1).

- Place the cover over the sump. This cover will prevent solid debris from filling the pit, reduce odors, and guard against accidental injury.

MAINTENANCE

The motor housing of the pump is completely sealed and requires no service. Disassembly of the motor housing or alteration of the power cord voids all warranty.

The motor is continuous duty type sealed in oil with an automatic thermal overload protector device.

The pump can run against a restricted discharge (such as a fountain) without damage to the pump.

- If the pump becomes clogged, snap the screen off and clean out the area.
- If necessary, remove the six screws holding the volute base to the motor housing and clean the volute.
- If the impeller is removed, make sure that a spacing of .050" with shaft pushed toward housing is maintained when reassembling (Figure 2).
- When reassembling, ensure that you install the seal ring between the volute base and the motor housing.

PERFORMANCE DATA

Maximum pumping height = 26.3'

Maximum PSI = 11.4 PSIG

Discharge height above pumping level	1'	3'	5'	10'	15'	20'
Gallons per minute (water)	20.4	20	19	16	13	8

Note: Ratings based on 1" pipe with friction loss neglected. Using 3/4" garden hose adaptor performance will be reduced approximately 15%. This pump does not deliver enough pressure to operate lawn sprinklers properly.

TYPICAL INSTALLATION

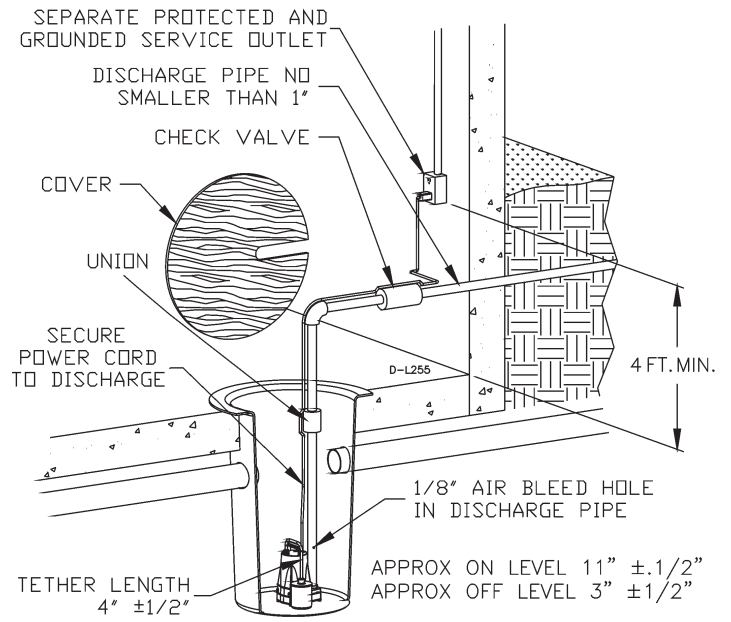


FIGURE 1

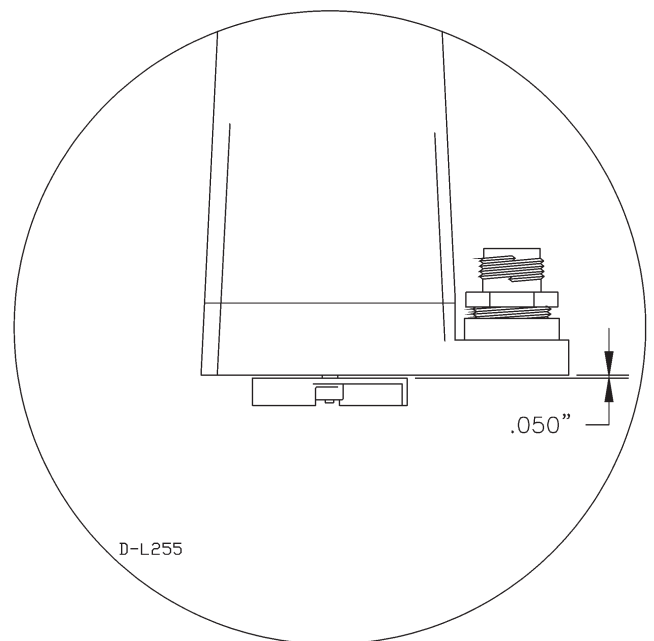
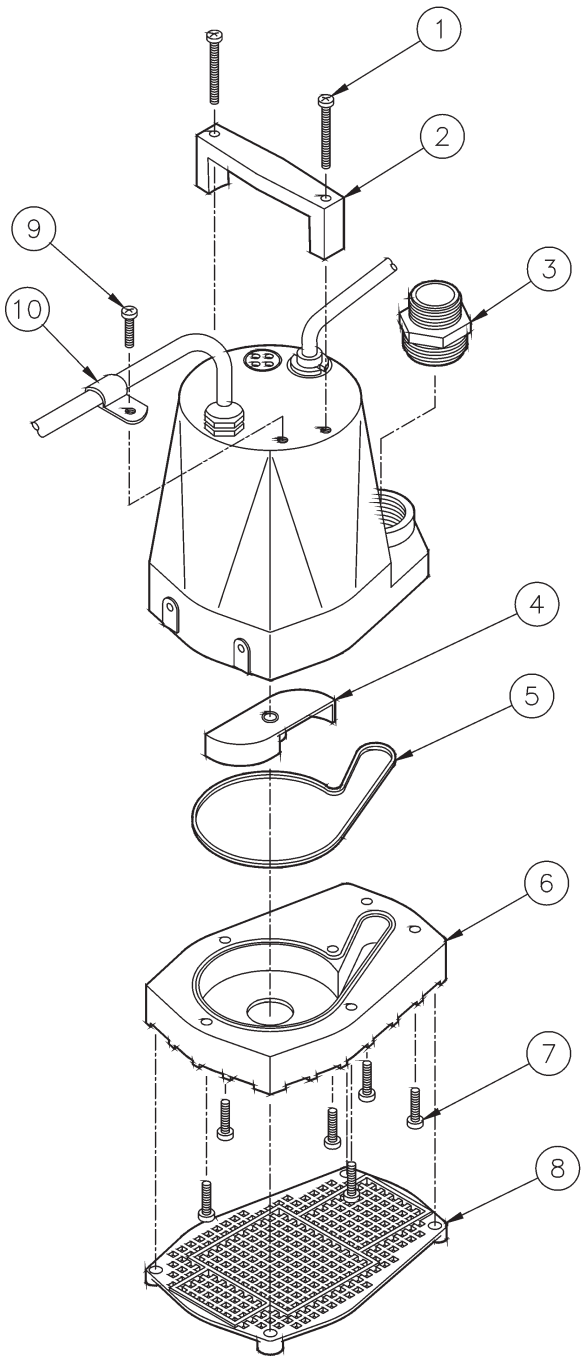


FIGURE 2



REPLACEMENT PARTS LIST				
Item No.	Part No.	Description	Catalog No.	
			505400	505401
1	902441	Screw, #8 x 1-5/8"	2	2
2	105918	Handle	1	1
3	599030	Adaptor	1	1
4	105310	Impeller	1	1
5	928024	Seal ring	1	1
6	105375	Volute base	1	1
7	902434	Screw, #8-18 x 3/4"	6	6
8	105376	Screen	1	1
9	902431	Screw, #8-18 x 1/2"	1	1
10	927030	Loop clamp	1	1

LIMITED WARRANTY

Your Little Giant product is guaranteed to be in perfect condition when it leaves our Factory. It is warranted against defective materials and workmanship for a period of 12 months (90 day warranty on Models: 1-AA-OM, GKPK-SC, PP Series, PPS Series, and Cooler King) from date of purchase by the user. No warranty on brush wear in Model 35-OM and impeller or cam in PP Series and PPS Series.

Any product that should fail for either of the above two reasons and is still within the warranty period will be repaired or replaced at the option of Little Giant as the sole remedy of buyer. For our customers in the CONTINENTAL UNITED STATES: Please return the defective unit, postage paid, to the factory at 301 N. MacArthur, Oklahoma City, OK 73127-6616. All defective product returned under warranty will be fully inspected to determine the cause of failure before warranty is approved.

For our customers located elsewhere; it is not economical, due to duties and freight, to return the pump to the factory for inspection. Please return the defective unit to any authorized distributor or dealer with a brief written explanation of the problem. If there are no apparent signs of customer abuse, unit will be repaired or replaced. If dispute arises over replacement of the pump, the distributor or dealer is to segregate such items and hold for inspection by a representative of Little Giant Pump Company or notify factory with details of the problem for factory disposition and settlement of warranty claim.

DISCLAIMER: THE FOREGOING WARRANTY IS AN EXCLUSIVE WARRANTY IN LIEU OF ANY OTHER EXPRESS WARRANTIES. ANY IMPLIED WARRANTIES (INCLUDING, BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE) TO THE EXTENT EITHER APPLIES TO A PUMP SHALL BE LIMITED IN DURATION TO THE PERIODS OF THE EXPRESS WARRANTIES GIVEN ABOVE.

Warranty will be VOID if any of the following conditions are found:

1. Sealed motor housing opened.
2. Product connected to voltage other than indicated on nameplate.

3. Cord cut off to a length less than three feet.
4. Pump allowed to operate dry (fluid supply cut off).
5. Pump used to circulate anything other than fresh water at approximately room temperature.
6. Product abuse by customer.

Any oral statements about the product made by the seller, the manufacturer, the representatives or any other parties, do not constitute warranties, shall not be relied upon by the user and are not part of the contract for sale. Seller's and manufacturer's only obligation, and buyer's only remedy, shall be the replacement and/or repair by the manufacturer of the product as described above. NEITHER SELLER NOR THE MANUFACTURER SHALL BE LIABLE FOR ANY INJURY, LOSS OR DAMAGE, DIRECT, INCIDENTAL OR CONSEQUENTIAL (INCLUDING, BUT NOT LIMITED TO INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR LOST PROFITS, LOST SALES, INJURY TO PERSON OR PROPERTY, OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL LOSS), ARISING OUT OF THE USE OR THE INABILITY TO USE THE PRODUCT AND THE USER AGREES THAT NO OTHER REMEDY SHALL BE AVAILABLE TO IT. Before using, the user shall determine the suitability of the product for the intended use, and user assumes all risk and liability whatsoever in connection therewith.

Some states and countries do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, 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 and country to country.

The National Electric Code (in the USA) and similar codes in other countries require a Ground Fault Circuit Interrupter (GFCI) to be installed in the branch circuit supplying fountain equipment rated above 15 volts. 115 volt GFCI's (with various cord lengths) are in stock, and we recommend each pump be used with a GFCI.

For parts or repair, please contact 1.888.572.9933
 For technical assistance, please contact 1.888.956.0000

www.LittleGiantPump.com
CustomerService-WTS@fele.com
