

BARRACUDA®

OWNER'S MANUAL

***INSTALLATION AND
OPERATION INSTRUCTIONS***

CAST IRON SUBMERSIBLE SUMP PUMP

MODEL: BASPC33V

SKU#: 691-3204



If for any reason you have questions concerning your new Barracuda Pump, call us toll free at 1-844-251-7445.

Carefully read and understand all of the warnings and installation instructions in this manual. Failure to follow these instructions could lead to serious bodily injury and/or property damage. Retain these instructions for future reference. This pump has been manufactured with your needs in mind. Properly installed in the right application, your new Barracuda Pump will give you years of carefree performance.

⚠ 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 explosion or fire, resulting in serious personal injury and/or property damage.

Always disconnect the pump from its power source before installing, inspecting, maintaining, or repairing.

Do not stand in water when the pump is connected.

Do not touch the pump while it is operating, as the pump may be HOT and can cause serious burns.

Do not disassemble the motor housing. The motor has NO repairable internal parts, and disassembling may cause oil leakage or dangerous electrical wiring issues and will void warranty.

⚠ WARNING

Never touch any electrical device, including this pump, when it is touching water, in water, or even in a moist environment. Always unplug (disconnect the electricity) when working on or installing the unit.

⚠ WARNING

RISK OF ELECTRICAL SHOCK. This pump is supplied with a grounding conductor and grounding-type attachment plug. To reduce the risk of electrical shock, be certain that it is connected only to a properly grounded, grounding-type receptacle.

⚠ WARNING

Do not use the power cord or discharge hose to carry or handle the pump. Doing so may cause damage to the power cord or discharge hose. Use the carrying ring supplied with the pump.

⚠ WARNING

Follow all electrical and safety codes, particularly the National Electrical Code (NEC) and in the workplace, the Occupational Safety and Health Act (OSHA).

⚠ NOTICE

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

For safety, the pump motor has an automatic resetting thermal protector that automatically will turn off the pump if it becomes too hot. Overuse of this feature will damage the pump and will void the warranty. Once the thermal protector detects that the pump has cooled to a safe temperature, it will allow the pump to operate normally. If the pump is plugged in, it may restart unexpectedly.

⚠ WARNING

DO NOT RUN THE PUMP DRY. The pump depends on water for cooling and lubrication. Operating the pump without water may cause the motor to overheat or cause damage to parts of the pump. It may also shorten the life of your pump.

⚠ NOTICE

EXTENSION CORDS

Connect the pump **DIRECTLY** to a grounded, GFCI outlet. 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.

⚠ DANGER

Keep all electrical connections away from wet and moist environments. Wet connections can cause electrical shock resulting in personal injury.

Materials Required:

- 1-1/2" ABS or PVC Pipe and adapter
- Inline sump check valve with clamps to connect discharge pipe to drain line exiting house
- PVC Primer and Solvent to connect pipe to adapter threaded into pump discharge
- Thread tape

Tools Required:

- Screwdriver
 - Hacksaw to cut pipe
 - Knife to assist in pipe cutting
 - File to smooth pipe ends
 - Adjustable wrench to tighten fittings
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GENERAL INFORMATION

1. Barracuda pumps are equipped with a vertical magnetic float switch. The pump will turn on automatically when the water level in the sump reaches approximately the float switch "on" level and automatically turn off when the water is pumped down to the float switch "off" level. Make sure the vertical float switch does not become bent, and can rise and fall without coming into contact with side of pump or side of pit. If the float switch cannot come down properly, the pump will not turn off, which will burn out the pump motor and flood your basement!
2. The sump pit must be a minimum of 12" diameter by 10" depth for vertical switch models.
3. Set your new pump in the bottom of the sump basin off to one side. The pump **MUST** be placed on a solid foundation, such as a brick, stone paver, or other flat heavy surface. Do not place the pump directly on the ground in sandy or rocky surfaces. Clay, earth, sand, or gravel that enters the pump could damage the impeller of the sump and cause flooding. Keep the pump inlet screen clear.

⚠ CAUTION Do not set pump directly on sand, dirt or mud. Sand or mud-choked pumps can be back-flushed clean.

⚠ CAUTION Do not handle or carry the pump by the power cord. Use the handle.

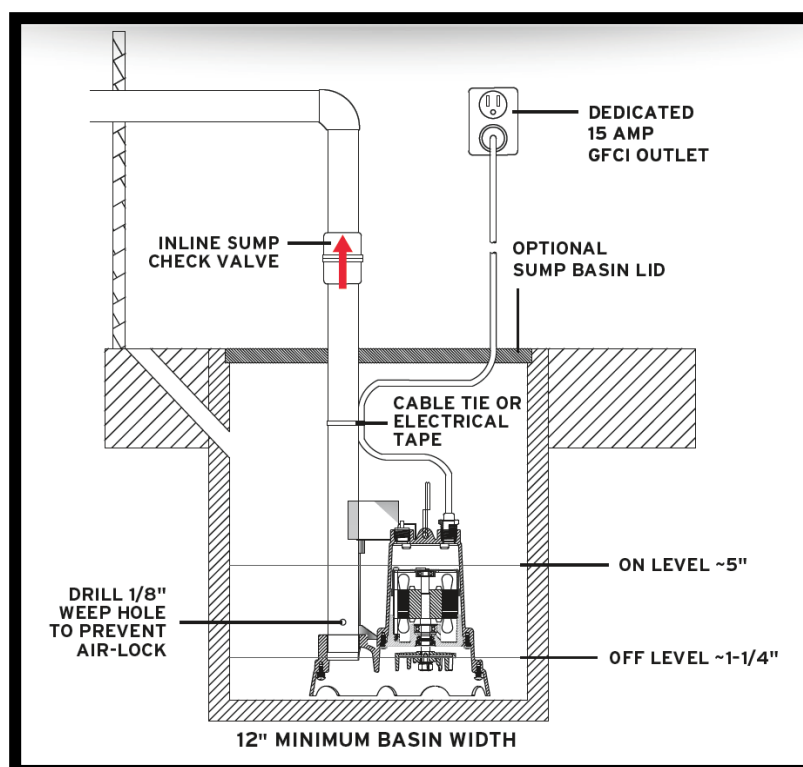
⚠ CAUTION Extended usage of the pump in a partially submerged or non-submerged situation may cause the pump to overheat due to lack of heat dissipation from the water. If this occurs, the pump will shut itself off until the motor cools to its normal temperature. Repeated overheating may cause damage to the pump.

⚠ CAUTION The pump is not designed for application involving salt water or brine. Use with salt water or brine will void warranty.



INSTALLATION

1. For your own safety, turn off the electrical power at the service entrance to avoid any possible electrical shock hazards.
2. On a replacement installation, remove the existing pump from the sump by disconnecting the discharge pipe or hose from the old pump. Depending on how your old pump is installed, unscrew clamps and discard old corrugated hose, or unscrew galvanized or plastic pipe from pump discharge. If discharge pipe cannot be removed easily, saw through the pipe about 3-4 feet above the pump discharge.
3. After removing the old pump, remove sediment, debris, and any standing water from the sump pit.
4. Attach a PVC adapter (Male x Slip) to the pump discharge. Prepare a 3'-4' section of PVC pipe (if not re-using existing discharge pipe). Drill a 1/8" weep hole approximately 3" from bottom of pipe. This will prevent pump from air-locking (see manual). **NOTE: Make sure hole is drilled at downward angle so water shoots down towards pit, not up and out of the pit!**
5. Apply PVC primer and solvent to PVC adapter and 3'-4' section of PVC pipe. Insert pipe into adapter and allow solvent to set.
6. Place your pump in the sump and be sure that the pump is positioned so that the float switch moves freely without touching the wall of the sump or other obstructions. Ensure incoming water does not interfere with float switch.
7. Install an inline sump check valve (not included) onto the end of the section of pipe, making certain that it is installed with the flapper opening upward with the flow of water. Connect to remainder of discharge pipe exiting through the wall. Tighten all clamps.
8. Plug the pump into a 115 V GFCI outlet on a dedicated 15-amp circuit. Do not allow the cord to interfere with the float control motion or to drape over the pump motor. With electrician's tape and a cable tie, secure the cord to the discharge pipe. This will provide protection for the cord and make a neat installation. Test your installation after you have completed setting up the pump. Plug-in pump and restore electrical power at the service entrance. The pump should not run at this point. If the pump runs, the switch is stuck in the upright position, check the switch again.
9. Fill the sump basin with water using a bucket or hose. When the switch floats to the upright "on" position, the pump will turn on. The switch will turn off the pump when it reaches the "off" down position.
10. Install a sump basin lid. A cover will prevent solid matter from falling into the sump, prevent odors, and guards against accidental injury.



OPERATION

1. The pump's shaft seal depends on water for lubrication. Do not operate the pump unless it is submerged in water; running it dry may damage the seal and void warranty.
2. If the pump overheats, an automatic-reset thermal protector cuts off the power and stops the motor before it can be damaged. The motor will automatically restart when it cools. If the protector trips repeatedly, unplug the pump, remove it from the sump, and check it for the cause of the difficulty. Low voltage, long extension cords (which should not be used), clogged impeller, very low lift, a plugged or frozen discharge pipe, etc., can all cause cycling and overheating.
3. This pump will not remove all the water in the sump. If you are running the pump manually and water stops coming out of the discharge, the pump has probably run dry. Shut it off immediately and check the water level.

TROUBLESHOOTING (CAUTION: SHUT OFF POWER TO THE PUMP)

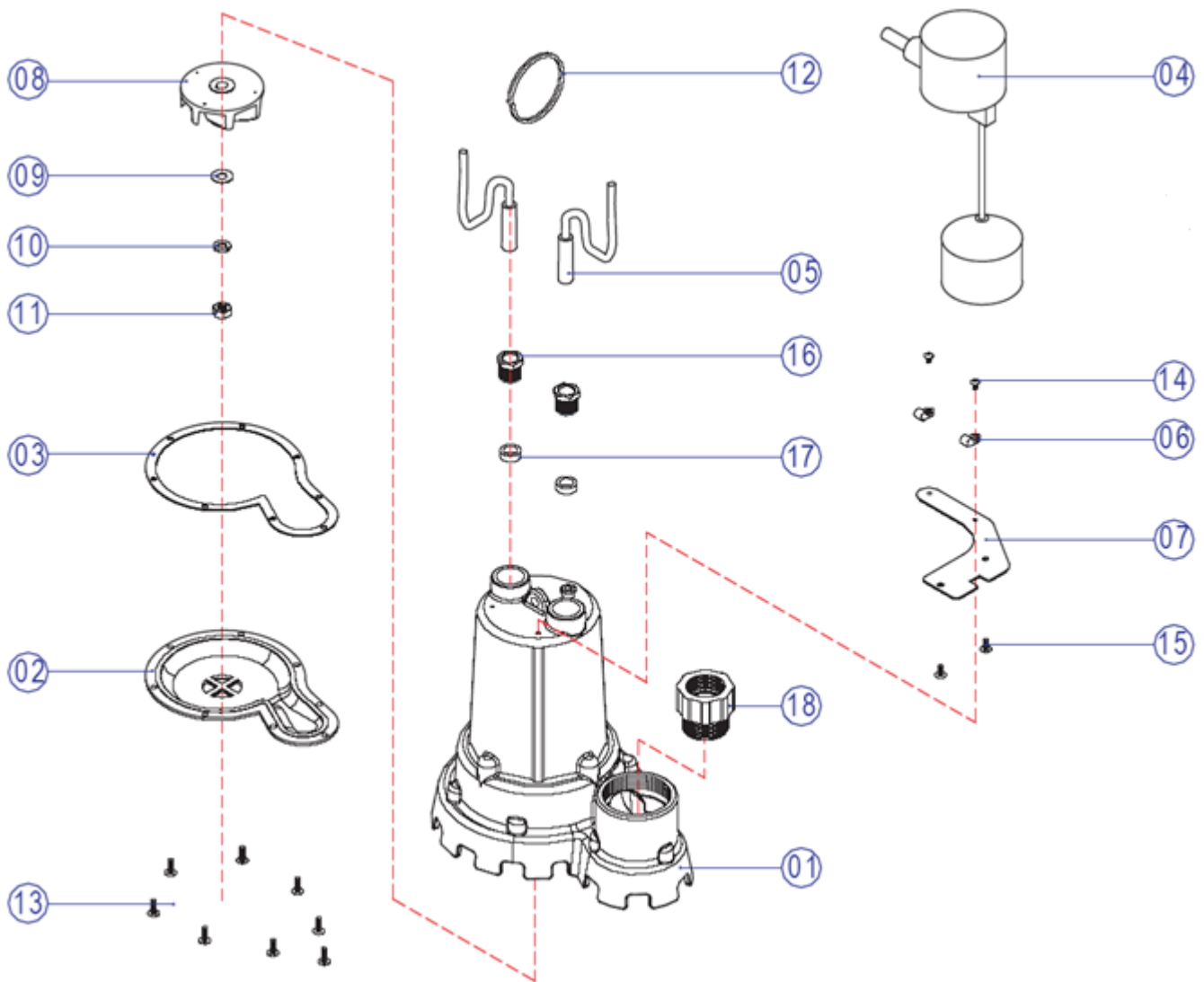
PROBLEMS	POSSIBLE CAUSES / SOLUTIONS
Pump does not run or it hums	• Line circuit breaker is off, or fuse is burned or loosed. Reset breaker or replace fuse. • Water level in sump has not reached turn-on level as indicated in installation drawing. • Pump cord is not making contact in receptacle. Re-insert plug. • Float is stuck. It should operate freely in basin.
Pump runs but does not deliver water.	• Check valve is installed backwards. Flapper should open in direction of water. • Discharge shut-off valve (if used) may be closed. • Impeller or volute openings are fully or partially clogged. Remove pump and clean. • Pump is air-locked. Start and stop several times by plugging and unplugging cord. Check for clogged vent hole in pump case. • Vertical pumping distance ("head") is too high. Reduce distance or increase diameter of discharge pipe/hose. • Discharge pipe/hose could be frozen. Thaw pipe/hose or remove and replace.
Pump runs and pumps out sump, but does not stop	• Float is stuck in up position. Be sure float operates freely in basin. • Defective float switch. Replace with new float switch.
Pump runs but delivers only a small amount of water.	• Pump is air-locked. Start and stop several times by plugging and unplugging cord. Check for clogged vent hole in pump case. • Vertical pumping distance ("head") is too high. Reduce distance or increase diameter of discharge pipe/hose. • Impeller or volute openings are fully or partially clogged. Remove pump and clean.
Fuse blows or circuit breaker trips when pump starts.	• Pump impeller is partially clogged with debris, causing motor to run slow and overload. Remove pump and clean. • Motor stator may be defective. Call 1-844-251-7445. • Fuse size or circuit breaker may be too small. 15-amp minimum is required.



REPLACEMENT PARTS

To order replacement parts, call:

1-844-251-7445



#	Description	Qty	Repair Kit	#	Description	Qty	Repair Kit
1	Pump casing & Motor	1	N/A	8	Impeller	1	WSSPC-IMP
2	Pump base	1	WSSPC-PBG	9	Washer	1	
3	Gasket	1		10	Washer	1	
4	Vertical Float Switch	1	WSSPCV-RS	11	Nut	1	
5	Cable	1		12	Handle	1	N/A
6	Cable fitting	2		13	Screw	8	N/A
7	Bracket	1		16	Cable Gland	2	N/A
14	Screw	2		17	Packing	2	N/A
15	Screw	2		18	ADAPTER	1	BUSH-125-150



PERFORMANCE

MODEL #	MAX FLOW (GPM) @ 0'	GPM FLOW @ HEAD					MAX HEAD (FT)
		5'	10'	15'	20'	25'	
BASPC33V	48	39	30	18	9	3	26

SPECIFICATIONS

Power supply requirement 115 V, 60 Hz

Motor 1/3 HP, Continuous Duty, Permanent Split Capacitor, Thermally Protected

Amps 4

Liquid Temperature Range: 32° F - 120° F (0° C - 49° C)

Circuit Requirements: 15 amp minimum

Solids Handling: 1/2"

Discharge Size: 1-1/2" FIP

WARRANTY

LIMITED WARRANTY - RESIDENTIAL SUMP PUMPS (NOT INCLUDING FLOAT SWITCH):

Water Source LLC (The "Company") warrants that the products specified in this warranty are free from defects in material or workmanship for the life of the product. During the time period and subject to the terms and conditions, the Company will repair or replace to the original purchaser or consumer any portion of this product which proves to be defective due to materials or workmanship. At all times the Company shall have and possess the sole right and option to determine whether to repair or replace defective equipment, parts, or components. The Company has the option to inspect any product returned under warranty to confirm that the warranty applies before repair or replacement under warranty is approved. This warranty sets forth the Company's sole obligation and purchaser's exclusive remedy for defective product.

For all warranty claims, CALL OUR CUSTOMER SERVICE DEPARTMENT BEFORE RETURNING!

Call us at 1-844-251-7445, Monday – Friday, 8:00 a.m. – 4:30 p.m., EST to discuss any claims and/or to obtain a **Return Merchandise Authorization. DO NOT RETURN PRODUCT TO STORE WHERE PURCHASED.** If deemed necessary, the Company will provide instructions for returning, prepaid at the purchaser's cost, to the Company's warranty department along with your original purchase receipt.

LIMITED WARRANTY - FLOAT SWITCH:

The Company warrants for a period of **12 months** from the date of purchase that the float switch is free from defects in material or workmanship. During the time period and subject to the terms and conditions, the Company will repair or replace to the original purchaser or consumer any portion of this product which proves to be defective due to materials or workmanship. At all times the Company shall have and possess the sole right and option to determine whether to repair or replace defective equipment, parts, or components. The Company has the option to inspect any product returned under warranty to confirm that the warranty applies before repair or replacement under warranty is approved. This warranty sets forth the Company's sole obligation and purchaser's exclusive remedy for defective product.



WARRANTY PERIOD - PRODUCTS:

If, within the duration of product use by the original purchaser, this product proves to be defective due to materials or workmanship, the product shall be repaired or replaced at the Company's option, subject to the terms and conditions set forth in this warranty statement. Proof of purchase is required for warranty consideration. In the absence of suitable proof of the purchase date, the effective period of this warranty is 12 months from the product's date of manufacture.

LABOR, ETC. COSTS:

The Company shall IN NO EVENT be responsible or liable for the cost of field labor or other charges incurred by any customer in removing and/or affixing any product, part, or component thereof.

PRODUCT IMPROVEMENTS:

The Company reserves the right to change or improve its products or any portions thereof without being obligated to provide such a change or improvement for units sold and/or shipped prior to such change or improvement.

GENERAL TERMS AND CONDITIONS:

This warranty shall not apply to damage due to acts of God, normal wear and tear, normal maintenance services and the parts used in connection with such service, lightning or conditions beyond the control of the Company, nor shall it apply to products which, in the sole judgment of the Company, have been subject to negligence, abuse, accident, misapplication, tampering, alteration; nor due to improper installation, operation, maintenance or storage; nor to excess of recommended maximums as set forth in the instructions. Warranty will be VOID if any of the following conditions are found:

1. Product is used for purposes other than those for which it was designed and manufactured
2. Product not installed in accordance with applicable codes, ordinances, and good trade practices
3. Product connected to voltage other than indicated on nameplate
4. Pump exposed to but not limited to the following: sand, gravel, cement, grease, plaster, mud, tar, oil, gasoline, solvents or other abrasive or corrosive substances
5. Pump has been used for pumping liquids above 120°F
6. Pump allowed to operate dry (liquid supply cut off)
7. Sealed motor housing opened or product dismantled by customer

DISCLAIMER:

Any oral statements about the product made by the seller, the Company, the representatives, or any other parties do not constitute warranties, shall not be relied upon by the purchaser, and are not part of the contract for sale. The Seller's and the Company only obligation, and buyer's only remedy, shall be the replacement and/or repair by the Company of the product as described above. NEITHER SELLER NOR THE COMPANY 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 PURCHASER AGREES THAT NO OTHER REMEDY SHALL BE AVAILABLE TO IT. Before using, the purchaser shall determine the suitability of the product for his/her intended use, and purchaser assumes all risk and liability whatsoever in connection therewith.

THE WARRANTY AND REMEDY DESCRIBED IN THIS LIMITED WARRANTY IS AN EXCLUSIVE WARRANTY AND REMEDY AND IS IN LIEU OF ANY OTHER WARRANTY OR REMEDY, EXPRESSED OR IMPLIED, WHICH OTHER WARRANTIES AND REMEDIES ARE HEREBY EXPRESSLY EXCLUDED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, TO THE EXTENT EITHER APPLIES TO A PRODUCT SHALL BE LIMITED IN DURATION TO THE PERIODS OF THE EXPRESSED WARRANTIES GIVEN ABOVE.

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

