

# PRO SERIES 2200



# Battery Backup Sump Pump System

## Instruction Manual



Push button 1 second to test or reset alarm.  
Push 5 seconds to silence alarm for 24 hours.



### Warning alarms

- The fluid in the battery is low. Add distilled water.
- The battery terminals are corroded or the battery is defective. Clean the terminals or replace the battery.
- The unit is not receiving AC power. Check the plug or circuit breaker. To silence the alarm during emergencies, press the button for 5 seconds.
- The pump is defective or not connected. Check plug or replace pump.
- The pump was activated. Check the main pump for failure. To silence the alarm during emergencies, press the button for 5 seconds.

### Battery power level

- 100%
- 75%
- 50%
- 25%



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# Important Safety Instructions

## General

Do not expose the control unit to rain or snow.

Pull the plug rather than the cord when disconnecting the control unit.

An extension cord should not be used unless absolutely necessary. If an extension cord must be used, be sure the plug has the same configuration as the plug on the control unit.

To reduce the risk of electric shock, unplug the control unit and disconnect the cables from the battery before attempting any maintenance or cleaning.

Do not disassemble the control unit. When service is required contact Glentronics technical support at (800) 991-0466, select option 3.

## AC Power Requirements

The control unit must receive 115 volts AC +/- 5% from the AC outlet. Any voltage lower than this will cause the power failure alarm to activate. Lower voltages can be caused by utility company brown outs or heavy power draw from other appliances on the same circuit.

## Personal Precautions

Wear eye protection and avoid touching your eyes while working near the battery.

If battery acid contacts skin or clothing, wash immediately with soap and water. If acid enters eye, immediately flood eye with running cold water for at least 10

minutes and get medical attention.

Never smoke or allow a spark or flame in the vicinity of the battery.

Remove personal metal items such as rings, bracelets, watches, etc. when working with a lead-acid battery.

## Preparing to Charge

Charge only LEAD-ACID batteries with the Pro Series 2200 control unit. Do not use the control unit for charging dry-cell batteries that are most commonly used with home appliances.

Be sure the area around the battery is well-ventilated.

When cleaning or adding water to the battery, gas can be forcefully blown away by using a piece of cardboard or other *nonmetallic* material as a fan.

Clean the battery terminals. Be careful to keep corrosion from coming in contact with your eyes.

## DC Connection Precautions

Connect and disconnect the battery cable rings only after removing the power cord from the electric outlet. *Never allow the rings to touch each other.*

Coat the terminals with a thin coat of petroleum jelly to retard corrosion.

Attach the rings on the ends of the battery cables to the battery posts and secure them with wing nuts to insure a good connection.

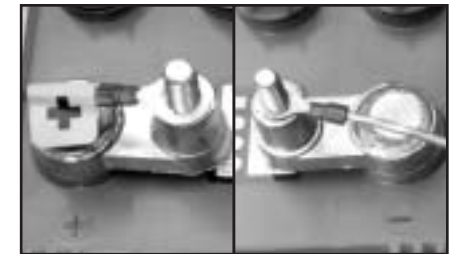
Follow these steps when the battery is installed. A spark near the battery may cause a battery explosion. To reduce

the risk of a spark near the battery:

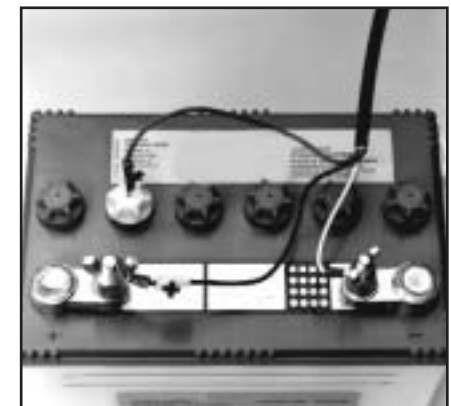
Check the polarity of the battery posts. The POSITIVE (+) battery post usually has a larger diameter than the NEGATIVE (-) post.

Connect the large ring on the POSITIVE (BLACK) wire from the control unit to the POSITIVE (+) post of the battery. Connect the small ring on the NEGATIVE (WHITE) wire from the control unit to the NEGATIVE (-) post of the battery.

When disconnecting the control unit, first disconnect the AC power cord, and then remove the rings from the battery terminals.



POSITIVE POST HAS LARGER DIAMETER	NEGATIVE POST HAS SMALLER DIAMETER
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## Introduction

The Pro Series 2200 AC/DC backup sump pump system is battery-operated. It is designed as an emergency backup system to support your regular AC sump pump, and it will automatically begin pumping if your main AC pump fails. Should any malfunction or emergency occur that involves the sump pump, the battery, or the AC power, your Pro Series 2200 battery backup sump pump system will sound an alarm and indicate the nature of the problem and the solutions by means of a lighted display on the control panel.

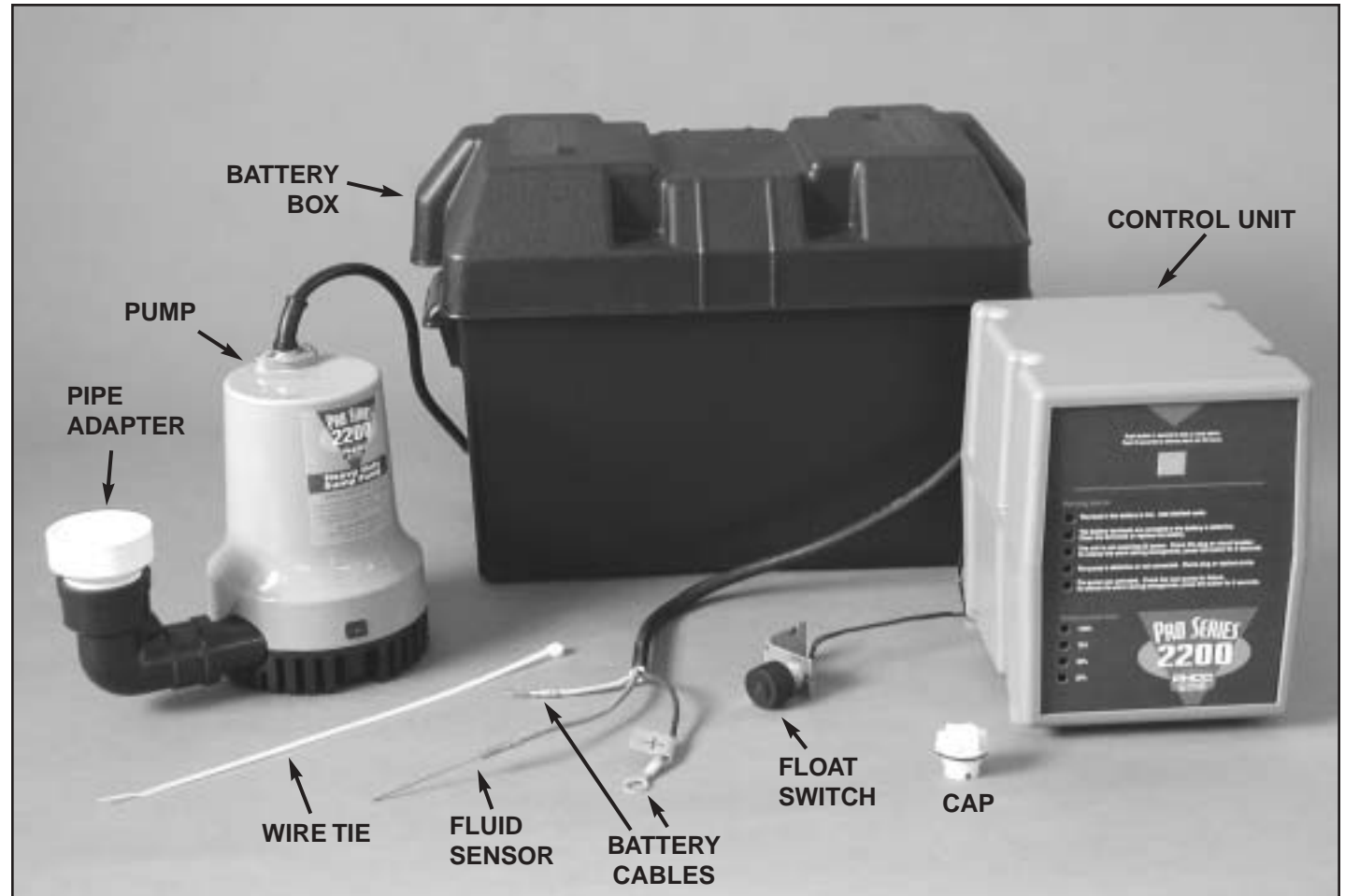
If the main pump breaks or is unable to keep up with all the incoming water, the Pro Series pump is capable of running without discharging the battery as long as the AC power is on.

### **The Pro Series 2200 Battery Backup Sump Pump System includes:**

- 1 Control unit with a float switch and a battery fluid level sensor
- 1 Pump with 1½" PVC pipe adapter
- 1 Battery box with safety strap
- 1 Plastic wire tie for mounting the float switch
- 1 Battery cap with a hole to accommodate the fluid sensor

### **You will also need to supply:**

- A Pro Series 2200 Standby Battery (A maintenance-free battery is not recommended)
- 1½" PVC pipe and fittings
- PVC cement and primer
- A rubber union with hose clamps or a "Y" connector and two (2) check valves depending on the installation method you use
- Six (6) quarts of 1.265 specific gravity battery acid



### **For narrow sump pits you will need some additional parts:**

- An "L" bracket at least 6 inches long. (Preferably one that will not rust.)
- Two (2) stainless steel hose clamps
- One (1) stainless steel screw (#8-32 x ¾"), a matching washer & nut



## Pump & Pipe Installation Instructions (Direct Discharge to Outside)

There are two basic methods that can be used to install the pump, (A) a direct discharge to the outside of the building, or (B) a hookup to an existing discharge pipe.

Whenever possible, install your Pro Series 2200 backup sump pump with a direct discharge to the outdoors. By using this method, there will always be an outlet for the water from the sump. During times of very heavy rain, many storm sewers fill up. If your pump is trying to discharge water into a full sewer, there is nowhere for the water to go. This defeats the purpose of the backup system. By discharging directly outdoors, there is always an outlet for the water that is pumped out of the sump.

There are two options for installing your sump pump with a direct discharge to the outside. If you have a sump pit wide enough to place the backup pump next to the main pump, use Method A. If your sump pit is too narrow, the pump may be mounted above the main pump. In this instance use the instructions for Method Aa.

### METHOD A: DIRECT DISCHARGE TO THE OUTSIDE OF THE BUILDING (Diagram A)

1. Cut a four-foot (4') piece of 1 1/2" rigid PVC pipe and cement it to the threaded fitting that is attached to the elbow on the pump.
2. Secure the pump wire so that the plug on the end will not fall into the sump. Attach the wire to the pipe with a piece of tape.

3. Place the pump with the 4' PVC pipe attachment on the bottom of the sump floor next to the main AC pump. Do not mount the pump to any existing pipes...it should be placed on the floor of the sump. A brick may be placed under the pump if there are rocks or other debris on the sump floor.
4. Attach a rubber union (sold separately) to the top of the 1 1/2" pipe. This will allow the pump to be removed easily, should the need arise.

The path of the rest of the pipe and the details of each installation will vary. Using sound plumbing practices, try to route the discharge pipe to an exterior wall via the shortest path with the fewest turns. The pipe section exiting the building should be on a downward slope so that the water in the pipe will exit outside rather than return to the sump. Extend the discharge pipe outside the building as far as possible to avoid the return of discharged water to the sump. Be sure to seal the hole in the wall where the pipe exits and cement or clamp all connections securely to prevent leaking. No check valve is needed with this method of installation, as long as you use less than 20 feet of pipe.

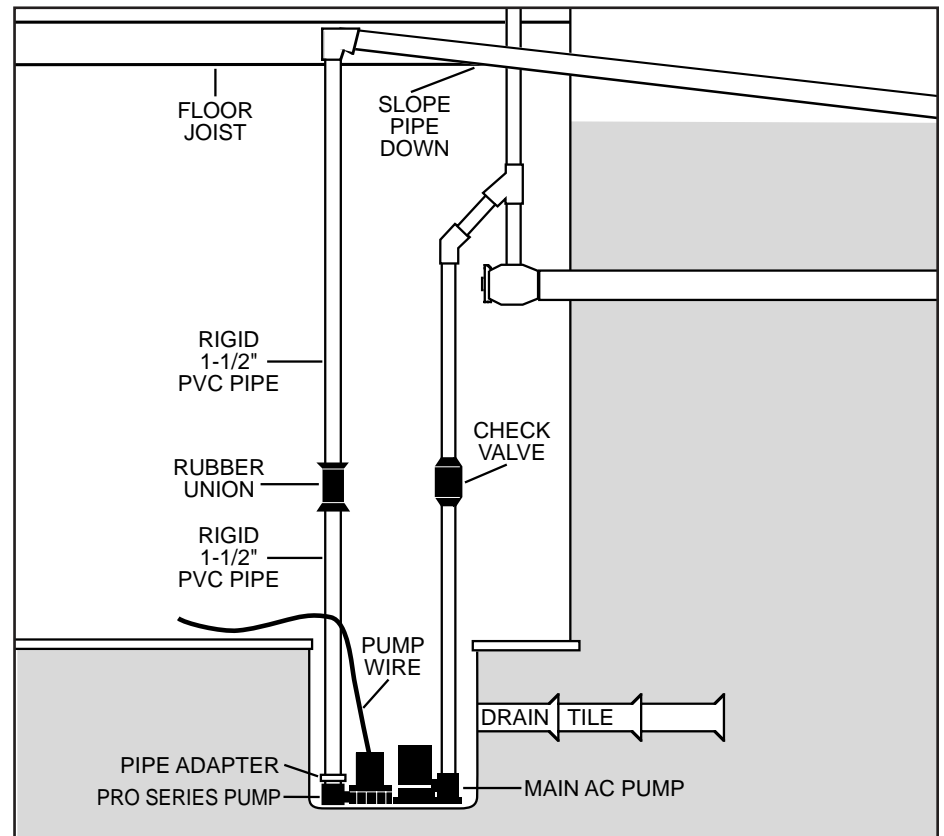
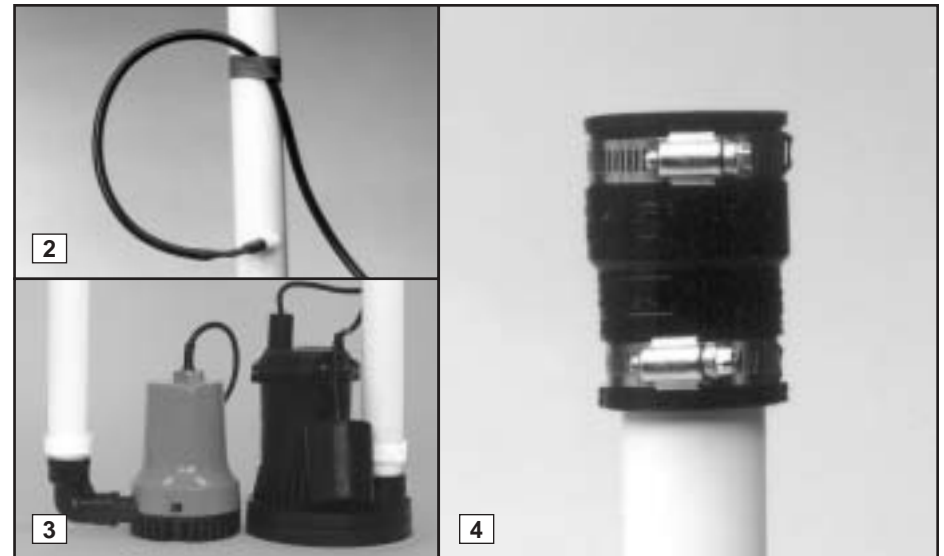


Diagram A

## Pump & Pipe Installation Instructions (Direct Discharge to Outside)

### METHOD Aa: DIRECT DISCHARGE TO THE OUTSIDE OF THE BUILDING FOR NARROW SUMP PITS (Diagram Aa)

- Attach an "L" bracket to the discharge pipe of the main AC pump with two (2) stainless steel hose clamps. Position the bracket so the bottom of the "L" is just above the top of the main pump, and out of the way of any float switch on the main pump.
- (a) Remove the black bottom strainer of the pump by pressing in the two tabs on the strainer. There are holes suitable for mounting on the bottom of the strainer. (b) Using a #8-32x3/4" stainless screw, washer & nut, attach the strainer to the "L" bracket. (c) Once the strainer is attached, simply press the pump body onto the mounted strainer.
- Cut a three-foot (3') piece of 1 1/2" rigid PVC pipe and cement it to the threaded fitting that is attached to the elbow on the pump.
- Secure the pump wire so that the plug on the end will not fall into the sump. Attach the wire to the pipe with a piece of tape.
- Attach a rubber union (sold separately) to the top of the 1 1/2" pipe. This will allow the pump to be removed easily, should the need arise.

The path of the rest of the pipe and the details of each installation will vary.

Using sound plumbing practices try to route the discharge pipe to an exterior wall via the shortest path with the fewest turns. The pipe section exiting the building should be on a downward slope so that the water in the pipe will exit outside rather than return to the sump. Extend the discharge pipe outside the building as far as possible to avoid the return of discharged water to the sump. *Be sure to seal the hole in the wall where the pipe exits and cement or clamp all connections securely to prevent leaking.* No check valve is needed with this method of installation, as long as you use *less than 20 feet* of pipe.

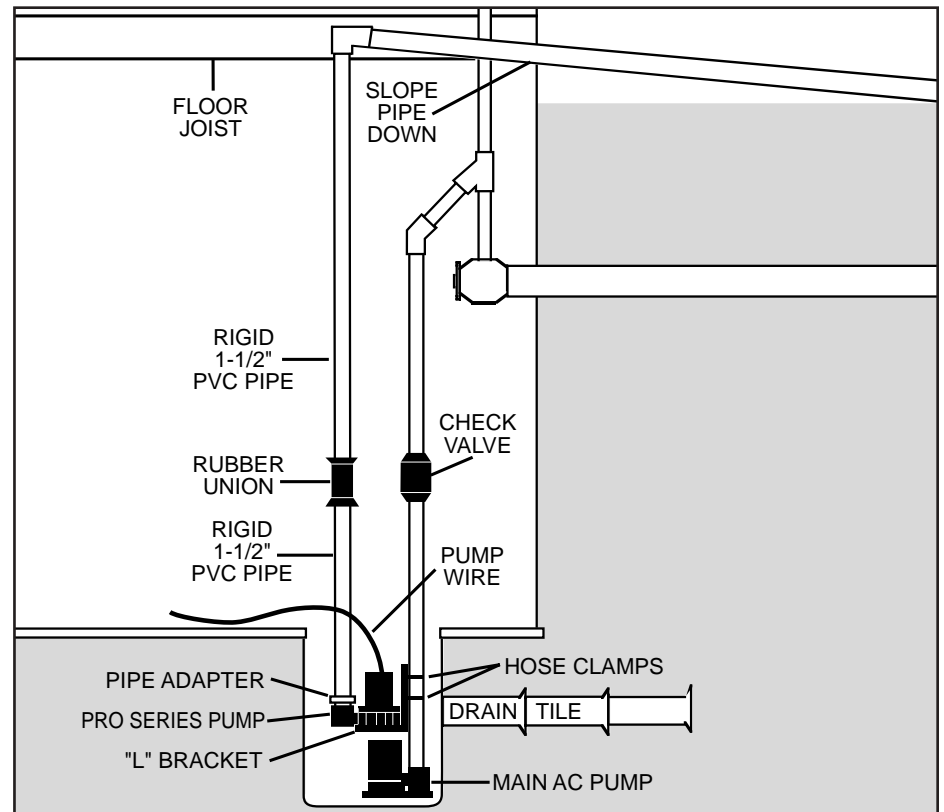
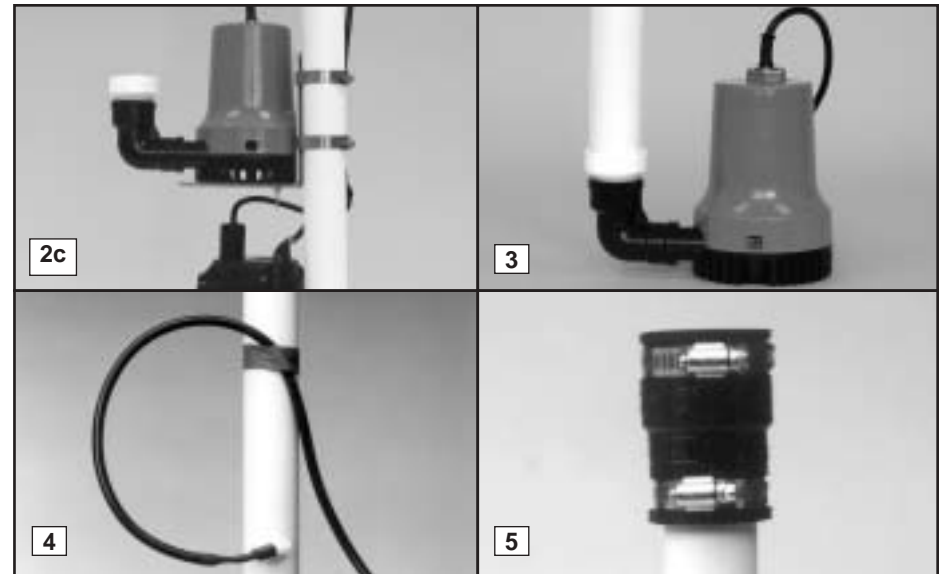
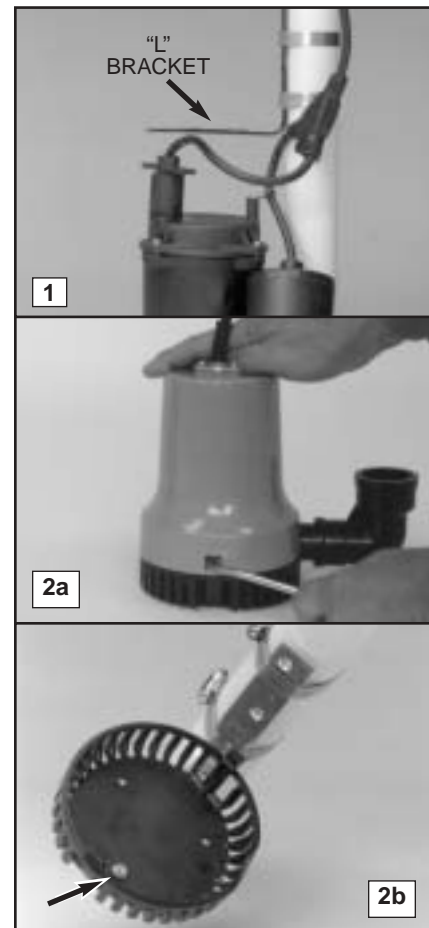


Diagram Aa

## Pump & Pipe Installation Instructions (Hookup to Existing Discharge Pipe)

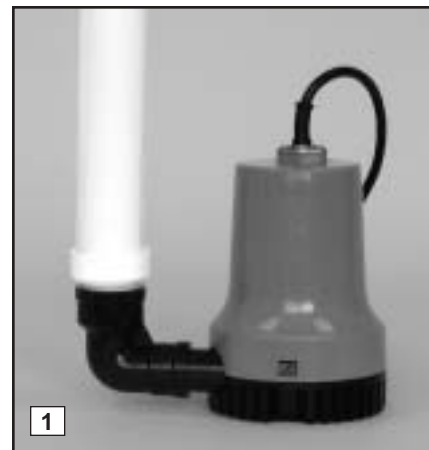
If the direct discharge method (Method A) is not possible, the Pro Series 2200 backup sump pump system can be hooked up to the same pipe as your AC sump pump by installing a "Y" connector and two check valves.

Check your local plumbing codes. Some municipalities prohibit the discharge of sump water into the sewer system.

If you have a sump pit wide enough to place the backup pump next to the main pump, use Method B. If your sump pit is too narrow, the pump may be mounted above the main pump. In this instance use the instructions for Method Bb.

### METHOD B: HOOKUP TO AN EXISTING DISCHARGE PIPE (Diagram B)

1. Cut a four-foot (4') piece of 1 1/2" rigid PVC pipe and cement it to the threaded fitting that is attached to the elbow on the pump.
2. (a) Install a check valve on the PVC pipe attached to the Pro Series 2200 sump pump. (b) IMPORTANT: WHEN A CHECK VALVE IS USED, DRILL A 1/8" HOLE IN THE 1 1/2" PVC PIPE THREE INCHES (3") ABOVE THE CONNECTION TO THE PRO SERIES 2200 PUMP. Drill the hole at a 45° angle toward the bottom of the sump to avoid splashing water outside the sump pit. If a 1/8" hole is not drilled above the pump, an air lock may prevent the pump from pumping.
3. If there is no check valve on the



pipe of the main AC pump, one must be installed at this time. Then install a "Y" connector above the check valve on the discharge pipe for the main AC pump.

4. Secure the pump wire so that the plug on the end will not fall into the sump. Attach the wire to the pipe with a piece of tape.
5. Place the pump with the 4' PVC pipe attachment on the bottom of the sump floor, next to the main AC pump. *Do not mount the pump to any existing pipes...it should be placed on the floor of the sump.* A brick may be placed under the pump if there are rocks or other debris on the sump floor.
6. Connect a 1 1/2" diameter discharge pipe above the check valve of the Pro Series 2200 sump pump, and attach a 45° elbow to that pipe. Extend another piece of pipe to reach the "Y" connector you have inserted above the check valve on the discharge pipe of the main pump.
7. Cement or clamp all connections securely to prevent leaking.

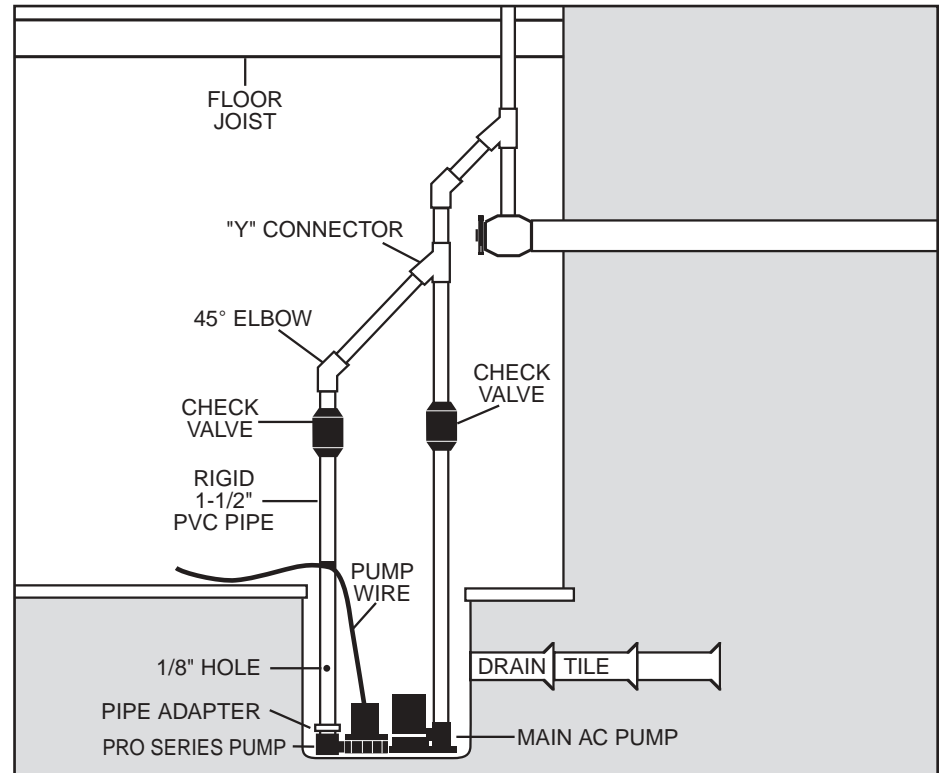
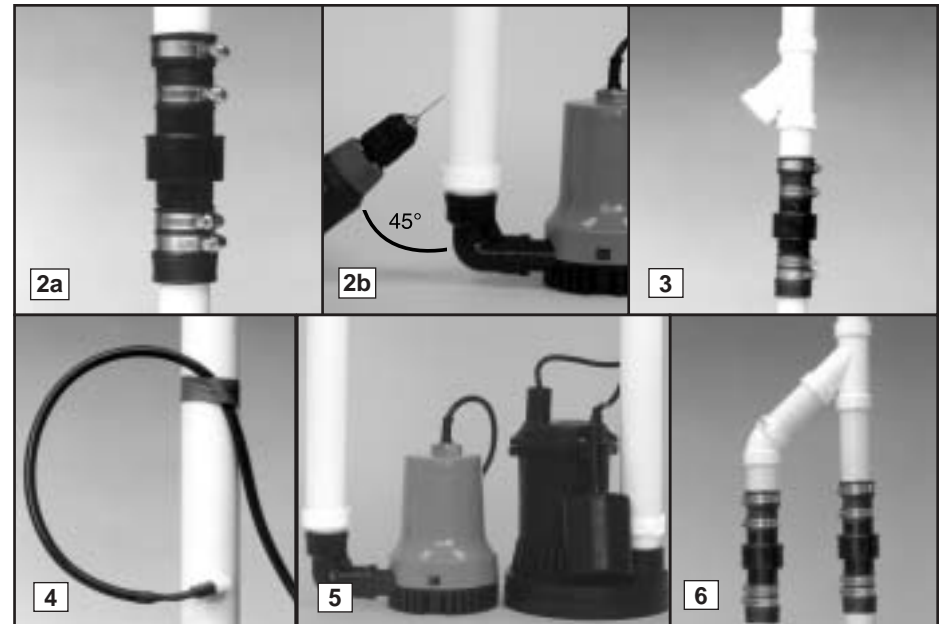
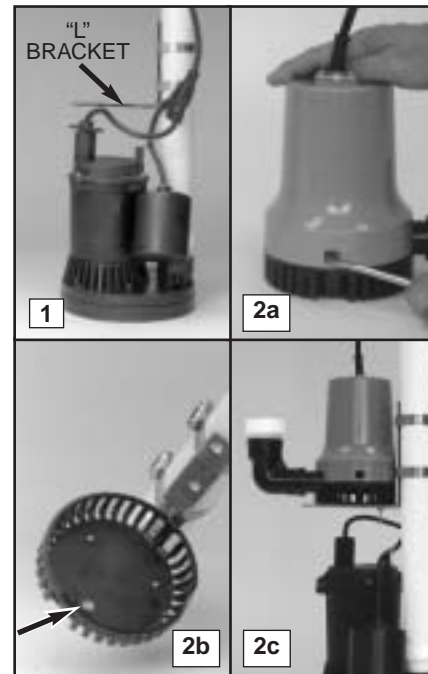


Diagram B

## Pump & Pipe Installation Instructions (Hookup to Existing Discharge Pipe)

### METHOD Bb: HOOKUP TO AN EXISTING DISCHARGE PIPE FOR NARROW SUMP PITS (Diagram Bb)

- Attach an "L" bracket to the discharge pipe of the main AC pump with two (2) stainless steel hose clamps. Position the bracket so the bottom of the "L" is just above the top of the main pump, and out of the way of any float switch on the main pump.
- (a) Remove the black bottom strainer of the pump by pressing in the two tabs on the strainer. There are holes suitable for mounting on the bottom of the strainer. (b) Using a #8-32x3/4" stainless screw, washer and nut, attach the strainer to the "L" bracket. (c) Once the strainer is attached, simply press the pump body onto the mounted strainer.
- Cut a three-foot (3') piece of 1 1/2" rigid PVC pipe and cement it to the threaded fitting that is attached to the elbow on the pump.
- (a) Install a check valve on the PVC pipe attached to the Pro Series 2200 pump. (b) IMPORTANT: WHEN A CHECK VALVE IS USED, DRILL A 1/8" HOLE IN THE 1 1/2" PVC PIPE THREE INCHES (3") ABOVE THE CONNECTION TO THE PRO SERIES 2200 PUMP. Drill the hole at a 45° angle toward the bottom of the sump to avoid splashing water outside the sump pit. If a 1/8" hole is not drilled above the pump, an air lock may prevent the pump from pumping.



- If there is no check valve on the pipe of the main AC pump, one must be installed at this time. Then install a "Y" connector above the check valve on the discharge pipe for the main AC pump.
- Secure the pump wire so that the plug on the end will not fall into the sump. Attach the wire to the pipe with tape.
- Connect a 1 1/2" diameter discharge pipe above the check valve of the Pro Series pump, and attach a 45° elbow to that pipe. Extend another piece of pipe to reach the "Y" connector you have inserted above the check valve on the discharge pipe of the main pump.
- Cement or clamp all connections securely to prevent leaking.

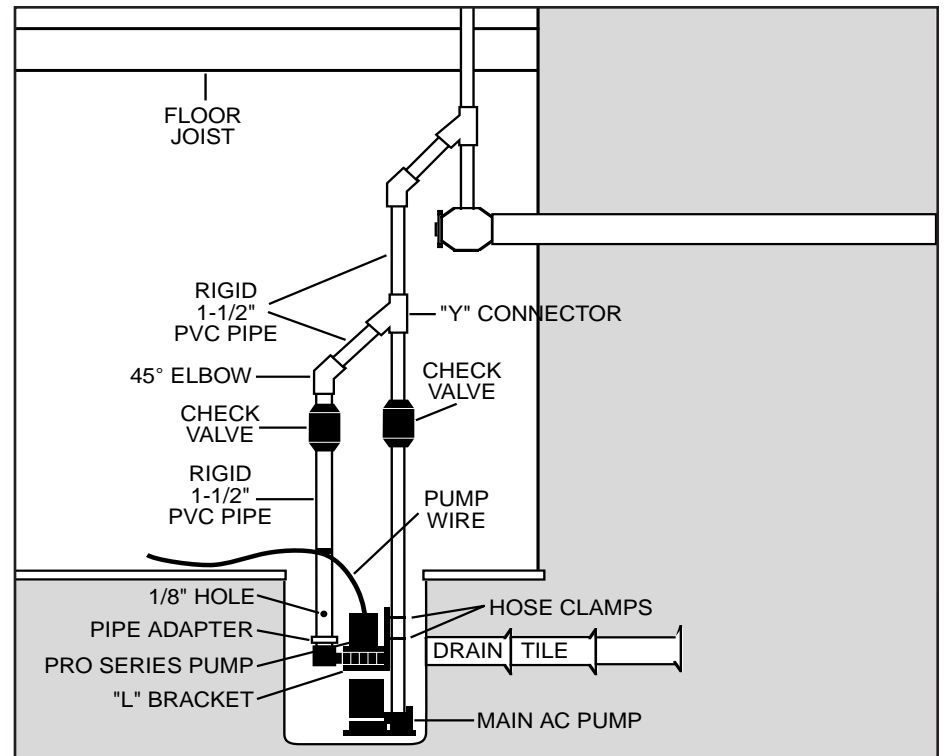
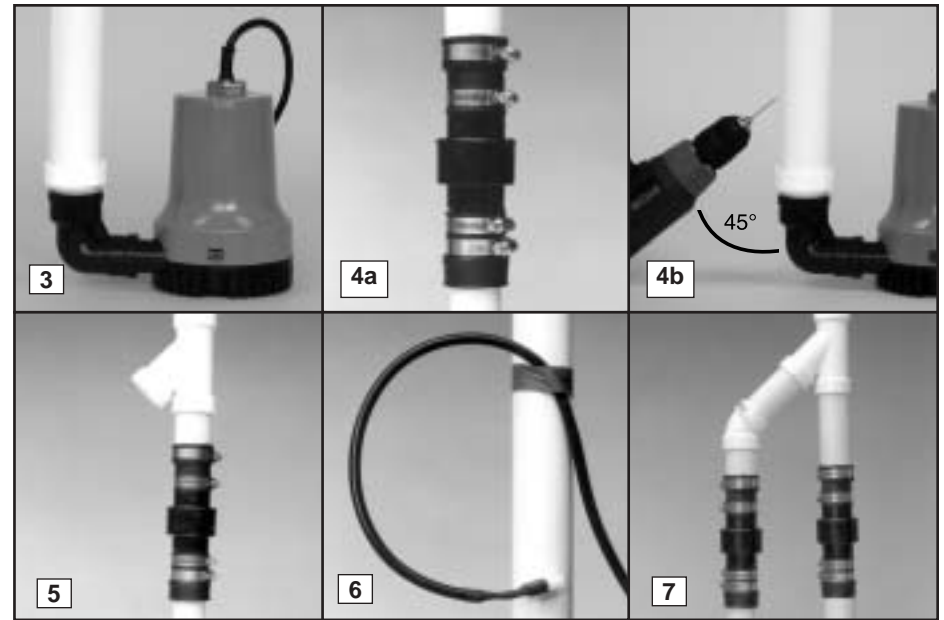


Diagram Bb

## Battery Instructions

The Pro Series 2200 Standby Battery has been designed to run this system for a minimum of 7.5 hours of continuous pumping. However, most of the time the pump will turn on and off, and the battery will run the pump intermittently for days. In addition, the unique materials in the battery enable it to last longer...for five to seven years in standby service.

The use of automotive batteries is *not* recommended. Automotive batteries are not designed for this application. They will only run the pump for a short time and will have a shorter life than a standby battery.

The battery fluid sensor and cap are designed to fit the Pro Series batteries. (As a safety precaution, do not use the cap on batteries of a different brand, and do not drill a hole in the cap of another brand of battery to accommodate the sensor.)

### PREPARING THE PRO SERIES STANDBY BATTERY

The Pro Series 2000 standby battery is shipped dry (without acid) so it will never lose power before you take it home. A battery is activated when the acid is added, and then it slowly begins to deteriorate as it ages. By adding the acid just before use, the battery will always be fresh. Use 1.265 specific gravity battery acid to fill the battery. It is available where you purchased the battery.

#### **IMPORTANT: REVIEW THE SAFETY INSTRUCTIONS BEFORE YOU PROCEED**

1. Place the battery box on the floor. Position the battery box safety strap under the box and through the loop on the top of the battery box.

2. Place the dry (unfilled) battery into the battery box. Remove the foil seal on the top of the battery.
3. (a) Carefully push in the perforated tab at the top of the acid pack. Pull up the large tab and pull out the dispensing hose. Hold the hose upright above the pack and squeeze the hose forcing all the acid back into the pack. Cut off the tip of the hose. (b) Position the acid pack and battery as shown in picture 3b. Insert the end of the hose into each cell. Control the flow by pinching the hose with thumb and forefinger. Fill each cell of the battery to a level just covering the battery plates, and then go back and top off each cell equally. It is important to have the cells filled equally. (c) The acid should reach a level just below the cap ring. (Diagram C)

A newly filled battery will sometimes require additional acid after about ten minutes. Re-examine the fill level and add additional acid, if necessary. The battery acid may bubble at this time and give off a sulfur-like smell, but this is normal. After the battery has been filled, screw the caps on the top of the battery.

Always be careful and avoid contact with skin, clothing, furniture or floor.

When you fill the battery for the first time, it will be the only time you add acid to the battery. When the fluid level is low, add distilled water to the cells. Never add more acid.

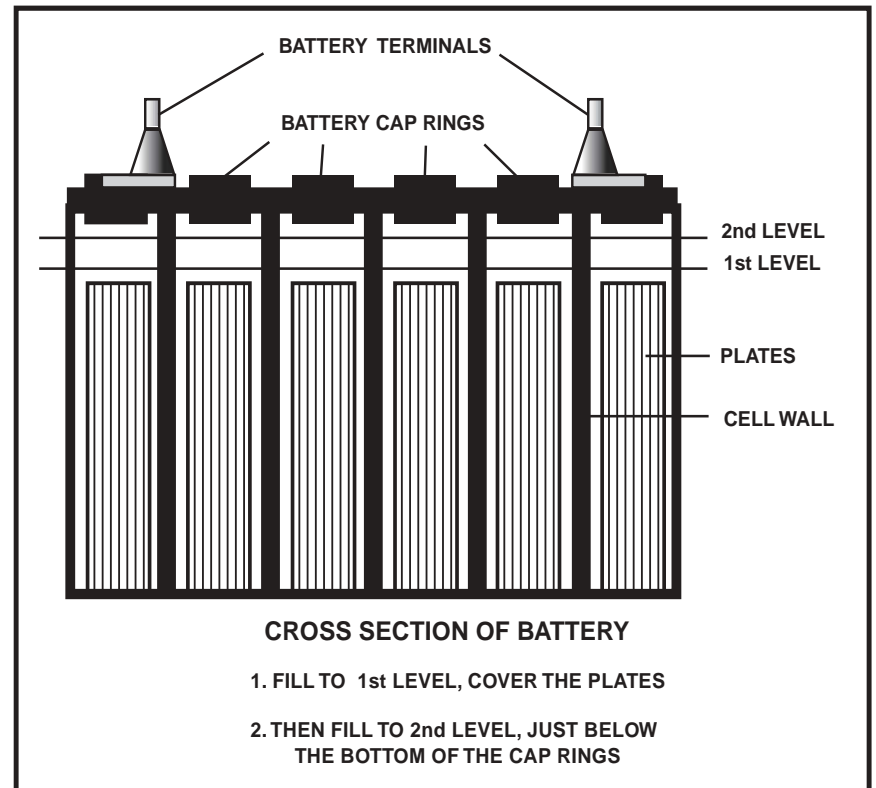
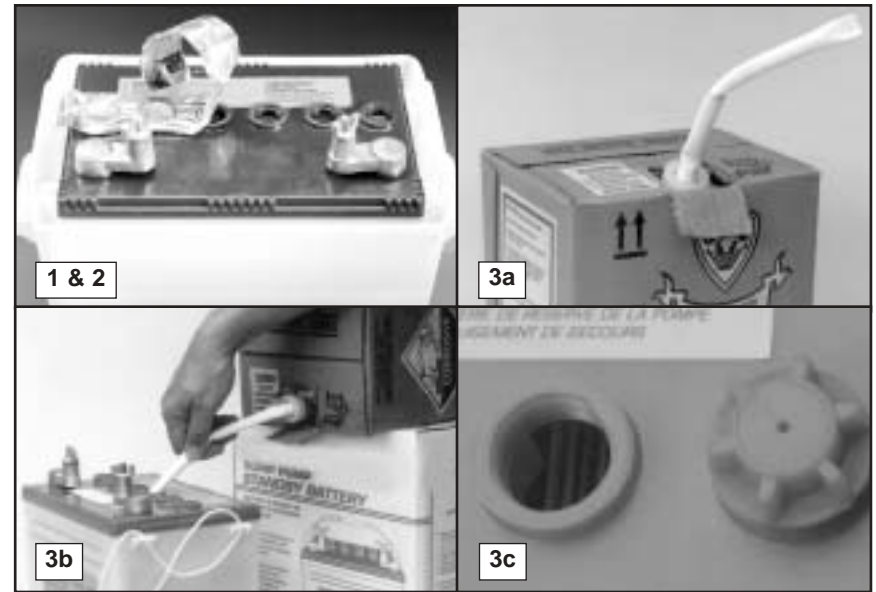


Diagram C

## Control Unit Hookup

### 1. Positioning the control unit:

Position the control unit in a secure place approximately four feet (4') above the floor. Be sure the power cord will reach the AC power outlet and the pump cable and the float switch will reach the bottom of the sump. Position the unit in a well-ventilated area. (Diagram D)

### 2. Positioning the float switch:

The float switch will turn on the pump when the water rises to the top of the switch, and it will remain running as long as the water is above the float switch. When the water drops below the float, the internal timer in the control unit will keep the pump running an additional 30-40 seconds to empty the sump pit. The switch should be mounted six inches (6") above the activation level of the main AC pump. Attach the float switch very securely to the discharge pipe of the backup pump with the plastic wire tie. (If you are stacking the pumps in a narrow sump pit, the float may be attached to the elbow of the Pro Series backup pump.) *Make sure the switch is positioned vertically with the mounting bracket at the top. Do not tilt the switch. Do not position the float switch on the side of the discharge pipe facing the drain tile or any incoming rush of water! Do not position it next to the power cord of the AC pump.*

### 3. Installing the battery fluid sensor:

Replace the battery cap that is 2nd from the POSITIVE (+) post of the battery with the battery cap that is provided in the Pro Series sump pump package. An arrow on the top of the battery marks this position. There are two holes in the battery cap. Insert the fluid sensor in the hole that is off-center on the top of the cap. *Do not glue the sensor into the cap.* If you are not using the Pro Series 2200 Standby

Battery, you cannot use the battery fluid sensor. However you must attach the sensor to the POSITIVE (+) post of the battery or the alarm will sound continuously. *The Pro Series Pump System will not warn you if the fluid level is low in this configuration. You will need to check your battery monthly to see if it needs water.*

### 4. Hooking up the pump:

Plug the pump wires into the pump connector on the back of the control unit.

### 5. Hooking up the battery:

Remove the wing nuts. Coat the terminals with a little petroleum jelly to prevent corrosion. Attach the battery cables to the battery...the BLACK wire to the POSITIVE (+) post, the WHITE wire to the NEGATIVE (-) post. Tighten the wing nuts.

### 6. Immediately plug the AC power cord

into a grounded AC wall outlet. (A surge protector that protects all three pins on the power line is recommended.) You will have 10 seconds before the power failure alarm will sound. The alarm will be silenced once the unit is plugged into the wall. At this time the computer control unit will perform a quick test of the battery and pump.

### 7. Put the cover on the battery box and secure it with the safety strap.

**The Pro Series 2200 Battery Backup Sump Pump System is ready to use!**

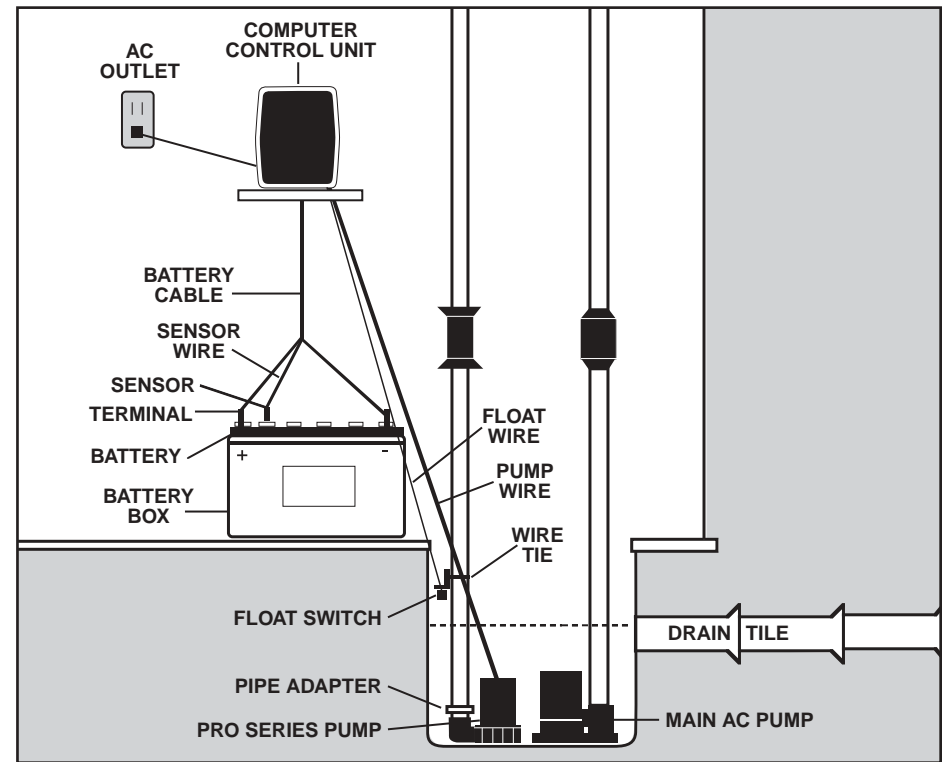
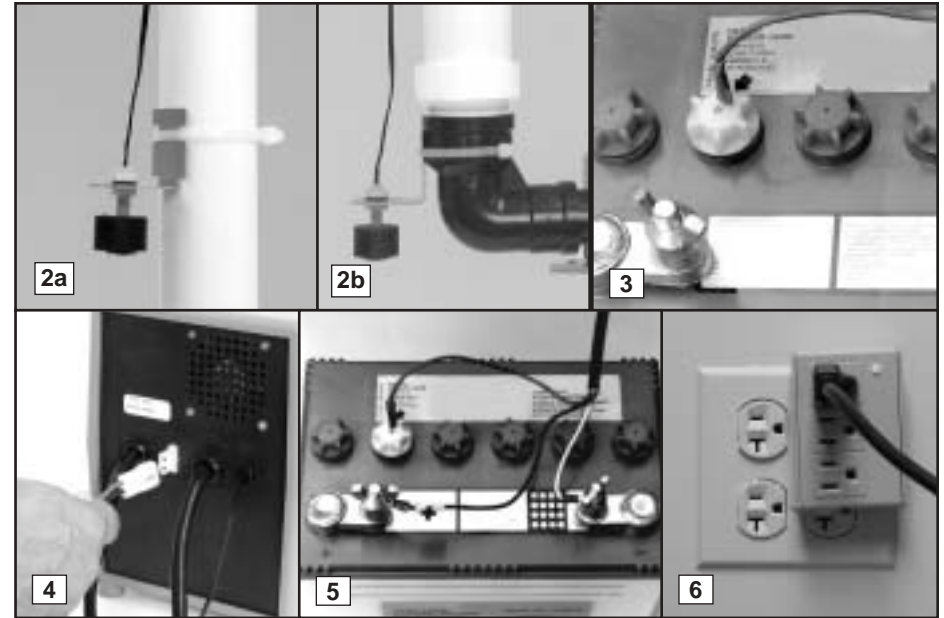



Diagram D

## Understanding the Warnings & Alarms

The Pro Series 2200 System control unit features a series of warning lights that pinpoint potential problems. In addition, an alarm sounds to alert you to the problem. In some cases, the lights and alarm will go off automatically when the problem has been solved. In others, the gray RESET button must be pushed to silence the alarm. Refer to the table below for a quick review of the features and their corresponding alarm status.

Warning	Alarm shuts off automatically when problem is corrected
Battery fluid low	Yes
Battery problem	No, push gray button
Power failure	Yes
Pump failure	No, push the gray button
Pump was activated	No, push the gray button

Push button 1 second to test or reset alarm.  
Push 5 seconds to silence alarm for 24 hours.




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**Warning alarms**

- The fluid in the battery is low. Add distilled water.
- The battery terminals are corroded or the battery is defective. Clean the terminals or replace the battery.
- The unit is not receiving AC power. Check the plug or circuit breaker. To silence the alarm during emergencies, press the button for 5 seconds.
- The pump is defective or not connected. Check plug or replace pump.
- The pump was activated. Check the main pump for failure. To silence the alarm during emergencies, press the button for 5 seconds.

**Battery power level**

- 100%
- 75%
- 50%
- 25%



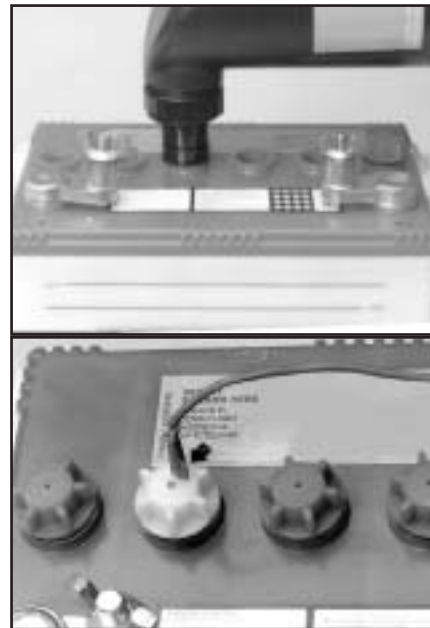
FRONT PANEL OF CONTROL UNIT

### Battery fluid is low

If this warning light and alarm are on, you need to add distilled water to the battery.

#### **IMPORTANT: REVIEW THE SAFETY INSTRUCTIONS BEFORE YOU PROCEED**

Remove the top of the battery box. Unscrew the six battery caps and place them in the battery box top. Add distilled water to each cell. If distilled water is not available, tap water with a low mineral content may be used. Do not use well water. *Never add more acid.* Fill the battery to the level as shown in Diagram C on page 7. Replace the caps and the fluid sensor. Be sure the fluid sensor is positioned in the 2nd cell from the positive post of the battery. It is marked with an arrow on the top of the battery. The warning light will turn off automatically when the battery is refilled.



### Battery problem

This light and alarm will go on when the control unit senses that the battery is discharged. This could occur when the pump has been running for many hours and is below the 25% charge level on the "power level gauge". This means the battery is reaching the last hour of operating power, or that it is getting old and needs to be replaced.

The alarm can also be triggered by corrosion or loose connections between the battery cable and the battery terminals. Remove the battery cables and clean and tighten the battery terminals as described at the right.

If this warning goes on while the pump is running, you will have a minimum of one hour to replace the battery. (In most cases the pump does not run continuously, and therefore, it will run much longer.) In a severe emergency, if a replacement battery is not available, you could temporarily use your car battery.

Once the AC power is restored, the battery will recharge, unless it is old or damaged. The alarm will go off when the AC power is restored and the pumping energy reaches ½ hour or more.

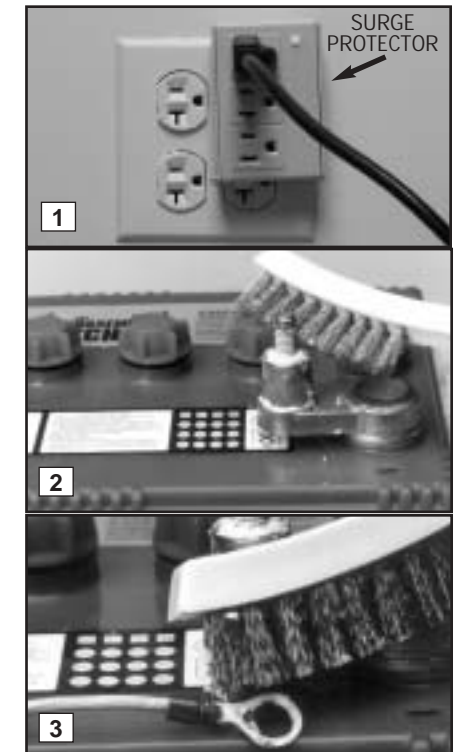
In the event that your Pro Series Sump Pump System has been called on to pump for extended periods of time, the battery can become very depleted. In this condition, when the AC power is restored, a "Battery" alarm will continue to sound. The battery may need a longer period to recharge. Press the gray button for one second to reset the alarm.

To silence the alarm during an emergency, press the gray button for 5 seconds. This will silence the alarm for 24 hours.

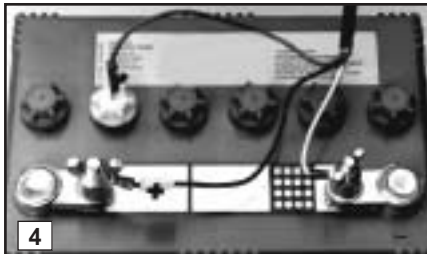
### TO CHECK FOR CABLE OR TERMINAL PROBLEMS

#### **IMPORTANT: REVIEW THE SAFETY INSTRUCTIONS BEFORE YOU PROCEED**

1. Unplug the power cord from the wall outlet.
2. Remove the battery cables and clean the battery posts with a battery post terminal cleaner or a wire brush and a 50/50 solution of water and baking soda. Do not allow the soda water to enter the battery. Thoroughly dry the posts and apply a thin coat of petroleum jelly or another terminal protective material.
3. Clean the corrosion off of the connectors on the end of the battery wires. Use a stiff brush or sand paper.



4. Replace the battery cables, BLACK to the POSITIVE (+) post, and WHITE to the NEGATIVE (-) post and tighten the wing nuts.
5. Plug the power cord back into the wall outlet.
6. You may have to press the gray button to silence the pumping alarm.



## REPLACING THE BATTERY

**IMPORTANT: REVIEW THE SAFETY INSTRUCTIONS BEFORE YOU PROCEED.**

1. Unplug the power cord from the wall outlet.
2. Remove the battery cables from the battery posts.

3. Fill the battery following the instructions on page 7.
4. Coat the battery terminals with a little petroleum jelly and replace the battery cables, BLACK to the POSITIVE (+), post and WHITE to the NEGATIVE (-) post. Replace the battery cap in the cell 2nd from the POSITIVE post with the yellow cap from the old battery. Insert the fluid sensor in the cap.
5. Plug the power cord back into the wall outlet.
6. You may have to press the gray button to silence the pumping alarm.



## Power failure

There are several causes for power failure. The most common is a power outage by your electric company. During this emergency, the Pro Series 2200 Sump Pump System will automatically switch to battery power and protect your basement from flooding.

If the power is on in the rest of the house, check the home circuit breaker or fuse box for failure, and correct the problem.

The control unit must receive 115 volts AC +/- 5% from the AC outlet. Any voltage lower than this will cause the power failure alarm to activate. Lower voltages can be caused by utility company brown outs or heavy power draws from other appliances on the same circuit.

You can silence the "Power" alarm for 24 hours by pressing the gray button for 5 seconds. The alarm will reset automatically 24 hours later. The light and the alarm will both turn off. The system will continue to operate and pump while the alarm is silenced.

## Pump is defective

The Pro Series 2200 control unit will check the pump and its wire connections each week for possible pump failure. The system will test the pump by running it for 2-3 seconds to make sure it is operating. If the "Pump" alarm sounds, check the pump plug in the back of the unit to make sure it is firmly connected. Check the pump wires for any possible breaks. If the pump wires are connected, test the pump by lifting the float switch in the sump. Check to see if the pump is operating. Do not push the gray button to test the pump during this procedure. If the control unit still indicates that the pump is defective, replace the pump. The pump is designed to run dry, so if there is no water in the sump pit during the test, the pump will not be damaged.

## Pump was activated

The "Pump was activated" warning stays on to alert you to the fact that the Pro Series backup pump was used to empty water from the sump. Try to determine what caused the system to operate. Check the main pump for failure. Another possibility is that the power was out while you were away and the backup system automatically pumped the water out of the sump. Or, if the incoming water was more than your AC sump pump could handle, then the backup system automatically pumped along with your AC pump. Inspect your check valve. It could be stuck or defective and needs to be replaced.

After determining the source of the problem, push the gray button to silence the alarm.

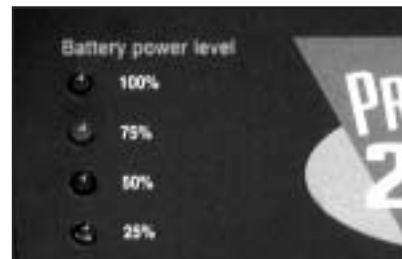
## REPLACING THE PUMP

1. Unplug the pump from the back of the control unit.
2. Release the rubber union or check valve and remove the pump and the rigid PVC pipe section from the sump.
3. Unscrew the pipe and fitting from the old pump and screw them into the new pump.
4. Lower the pump into the sump and reconnect the rubber union or check valve.
5. Plug the pump wires into the back of the control panel.



### Battery power level

Your Pro Series 2200 backup sump pump system has a power level gauge, which will report the level of charge in the battery. As the battery's energy is depleted during operation without AC power, or simply by aging, the gauge will indicate the percent of charge remaining in the battery. Should the percent drop below 25%, the battery problem indicator will light up and the alarm will sound.



If this warning goes on while the pump is running, you will have a minimum of one

hour to replace the battery. (In most cases the pump does not run continuously, and therefore, it will run much longer.) In a severe emergency, if a replacement battery is not available, you could temporarily use your car battery.

Once the AC power is restored, the battery will recharge, unless it is old or damaged. Press the gray button for one second to reset the alarm.

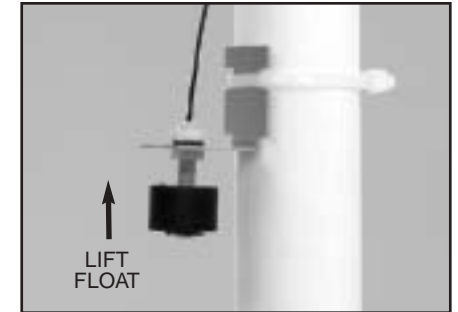
To silence the alarm during an emergency, press the gray button for 5 seconds. This will silence the alarm for 24 hours.

### TESTING THE FLOAT SWITCH

**Manually testing the float switch periodically is highly recommended.**

Lift the float up and let go. This will activate the pump. The controller will run the pump for approximately 30-40 seconds so it can empty all the water in the sump pit. If there is no water in the sump, the pump can run dry for this amount of time. The alarm will sound and the pump light will go on. After the pump has stopped, push the gray button to silence the alarm.

If the gray button is pressed before the pump has stopped, the alarm will go off temporarily. Wait for the pump to stop pumping, and then push the gray button to completely silence the alarm.



### PARTS & SERVICE INFORMATION

You can receive technical support, parts or service information by calling Glentronics, Inc. at (800) 991-0466, choose option 3.

Send your unit to the following address for repairs:

Glentronics, Inc.  
1150 Willis Ave.  
Wheeling, IL 60090-5817



Glentronics, Inc., 1150 Willis Ave., Wheeling, IL 60090-5817

800-991-0466

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