

How to Wire a PureLine Motors on 115V

PL1072

PL1102

PL1152

PL2072

PL2102

PL2152



Pool pumps are wired to run on either 230V or 115V. Most run on 230V and are preset at the manufacturer for 230V. If you are going to wire your own pool pump, you must first know what voltage is coming to your pump from the house circuit breaker. Also, you must ensure that the electrical supply agrees with the motor's voltage, phase, and cycle and that all electrical wiring conforms to local codes and NEC regulations. If you are unsure of this voltage or are unfamiliar with electrical codes and regulations, have a professional electrician wire your pump for you or at least check your work.

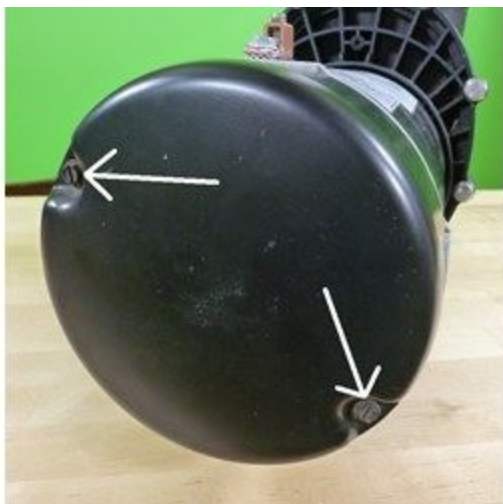
Failure to wire the pump correctly can cause electrical shock or can damage your pump motor and void your warranty.

Step 1 CAUTION: Before you start wiring your pool pump, turn off all power to the pump at the breaker box.



Step 2 Loosen two screws from metal black cap at the back of the motor and remove cap.

*The motor arrives from the factory set on 230v. Steps 3-6 involve changing it from 230v to 115v



Step 3 Locate the internal white motor wire on terminal 4. Using needle nose pliers, gently pull the white wire away from terminal 4.



Step 4 Move the white motor line from terminal 4 to terminal 1.



Step 5 Locate the black thermal protector line on terminal 2. Using needle nose pliers, gently pull the black wire away from terminal 2.



Step 6 Move the black thermal protector line from terminal 2 to terminal 4.



Step 7 Feed the 3 external wires through the conduit hole. Typically, the 3 external lines will be black, white and ground. These represent the hot, neutral and ground respectively.



Step 8 Connect the black (hot) line to terminal 1.



Step 9 Connect the white (neutral) line to terminal 3.

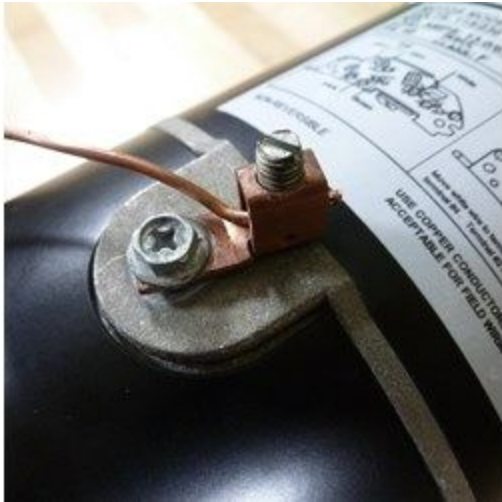


Step 10 Connect the green (ground) line to the copper screw with initials GRD molded next to it.



Step 11 Replace the motor cap and tighten screws.

Step 12 Attach the bonding wire to the motor's bonding lug. The bonding wire will either be exposed copper or a copper wire with a green sleeve.



Step 13 Finally, [prime the pump](#) and turn on the power at the breaker.

How to Wire a PureLine Motors on 230V

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Failure to wire the pump correctly can cause electrical shock or can damage your pump motor and void your warranty.

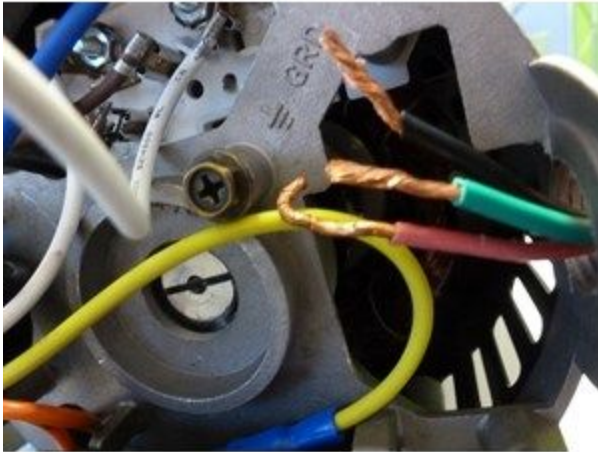
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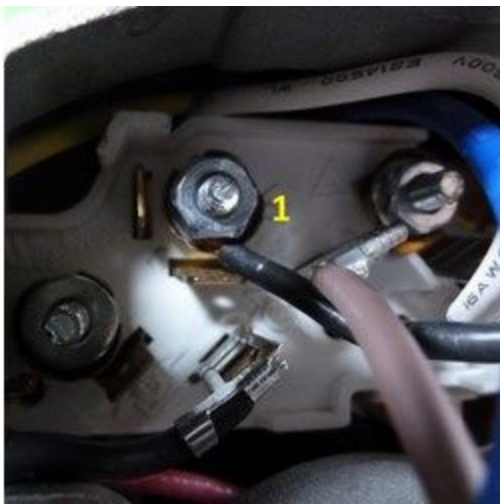
Step 2 Loosen two screws from metal black cap at the back of the motor and remove cap.



Step 3 Feed the 3 external wires through the conduit hole. Typically, the 3 external lines will be black, red and green. These represent the two hot lines and ground respectively.



Step 4 Connect the black (hot) line to terminal 1.



Step 5 Connect the red (hot) line to terminal 3.

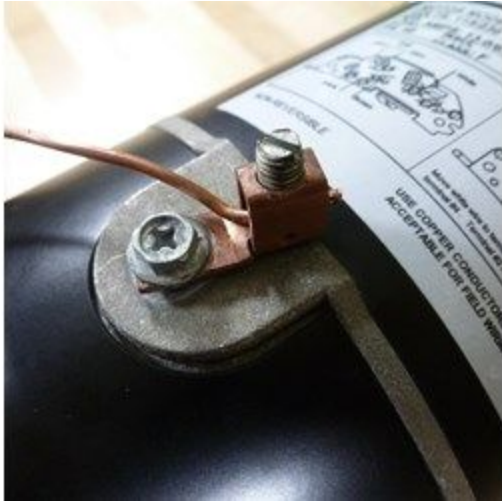


Step 6 Connect the green (ground) line to the copper screw with initials GRD molded next to it.



Step 7 Replace the motor cap and tighten screws.

Step 8 Attach the bonding wire to the motors bonding lug. The bonding wire will either be exposed copper or a copper wire with a green sleeve.



Step 9 Finally, [prime the pump](#) and turn on the power at the breaker.