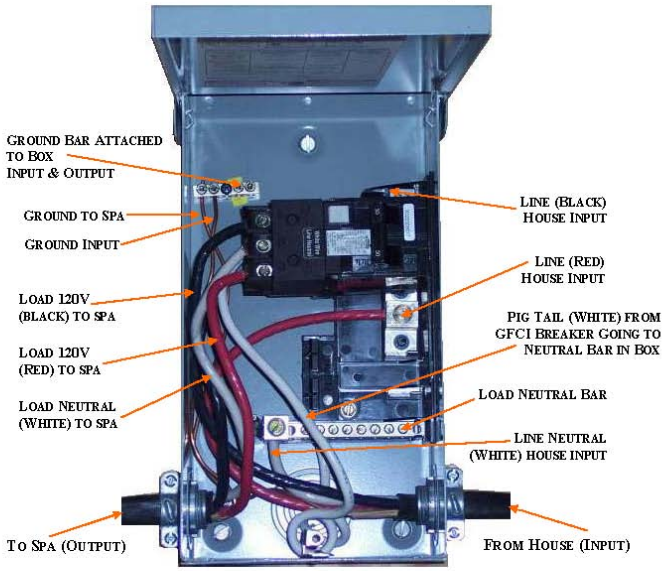
**ATTENTION ELECTRICIAN:**

ALL PDC SPA UNITS MUST BE INSTALLED WITH AN APPROVED G.F.C.I. IN ACCORDANCE WITH ALL APPLICABLE CODES. INSTALLATION OF G.F.C.I. VARIES AMONG THOSE MANUFACTURERS. FOLLOW EACH MANUFACTURER'S GUIDELINES TO ENSURE PROPER OPERATION AND PROTECTION OF SPA OCCUPANTS. THIS DIAGRAM IS A "TYPICAL" INSTALLATION TO BE USED ONLY AS A REFERENCE FOR THE INSTALLING ELECTRICIAN.

**TYPICAL INSTALLATION BREAKER BOX**
**50 AMP, 120/240 VOLT, GFCI**




TO BE NOTED: Installation of this GFCI Circuit Breaker, including ampere sizing and choice of conductor size and type, must be completed by a qualified electrician in accordance with the National Electrical Code, and all applicable federal, state, and local codes and regulations in effect at the time of installation.

TO BE NOTED: The white Neutral wire from the back of the GFCI Circuit Breaker MUST be connected to an incoming Line Neutral. The internal mechanism of the GFCI requires this Neutral connection for proper GFCI function.

IMPORTANT: 6 GAUGE COPPER WIRE MUST BE USED
TEST GFCI MONTHLY & PRIOR TO EACH USE.

**DANGER—RISK OF ELECTRICAL SHOCK.**

Install at least five feet from all metal surfaces. A spa may be installed within five feet of a metal surface if, in accordance with the Local Electrical Codes, each metal surface is permanently connected by a No. 8 AWG (8.4) solid copper connector attached to the wire connector on the control box that is provided for this purpose.

## GROUND FAULT CIRCUIT INTERRUPTER INFORMATION & TESTING INSTRUCTIONS

**WHAT THE GFCI DOES FOR YOU:**

The GFCI helps protect you against hazardous electrical shock that may be caused if your body becomes a path through which electricity travels to reach ground. This could happen when you touch an appliance that is "live" through a faulty mechanism, damp or worn insulation on the power cord, etc. You don't even have to be on the ground yourself. You could be touching plumbing or other material that leads to the ground. When using a GFCI devise you may still feel a shock, but the GFCI is designed to cut off power quickly enough so that a normal, healthy adult will not experience serious electrical injury.

WARNING: GFCI's will NOT protect against:

(1) Line-to-line shocks (of the type received when touching metal inserted into the slots of a receptacle).

(2) Current overloads or line-to-neutral short circuit. THE FUSE OR CURCUIT BREAKER AT THE DISTRIBUTION BOX OR PANEL MUST PROVIDE SUCH OVER-CURRENT PROTECTION!

CAUTION: If the GFCI trips on it's own accord, this indicates a possible ground fault condition, which is potentially hazardous. Carry out the test procedure outlined below to ensure that your GFCI is operating properly. If the GFCI does not reset, this indicates a ground fault still exists, and must be corrected. Have a qualified electrician investigate the ground fault condition and correct the defect at once. TEST THE GFCI UNIT BEFORE EACH USE! - AT LEAST ONCE PER MONTH. DO NOT BYPASS THE GFCI TO USE POTENTIALLY FAULTY EQUIPMENT.

**TEST PROCEDURE** YOUR GFCI UNIT SHOULD BE CHECKED BEFORE EACH USE.

1. Turn your equipment ON to the lowest setting. PUSH THE TEST BUTTON. This should result in the motor or lamp going OFF.
(NOTE: Be sure you are turning off all applicable motors. Some equipment, such as Spas, have blower motors, jet motors, and heater motors.)

CAUTION: If the motor keeps running or lamp remains lit, DO NOT USE YOUR EQUIPMENT. UNPLUG EQUIPMENT OR TURN OFF POWER AT CIRCUIT BREAKER OR FUSE. CONSULT A CERTIFIED ELECTRICIAN.

2. If the GFCI tests okay, restore power by pushing the RESET button and releasing it. The motors or lamps should go ON again. If the GFCI fails to reset property, DO NOT USE EQUIPMENT> UNPLUG EQUIPMENT OR TURN OFF POWER AT CIRCUIT BREAKER OR FUSE. CONSULT A QUALIFIED ELECTRICIAN.