

ELECTRICAL REQUIREMENTS

To ensure you will have an opportunity to use your spa soon after delivery, it is very important that the required electrical service has been installed. Unless otherwise stipulated by your dealer, **THIS IS YOUR RESPONSIBILITY**. **IMPORTANT:** All electrical circuits must be installed by a qualified, licensed electrician.

230 VOLT INSTALLATION

Your spa contains a control box designed to operate at 230V, 60Hz. Installation of a 50 amp. dedicated circuit is recommended. The control box must be hard wired directly to a subpanel protected by a Ground Fault Circuit Interrupter (GFCI). The subpanel containing GFCI breakers is included with the spa.

IMPORTANT NOTE: All electrical connections to the control box must be accomplished by a qualified electrician in accordance with the National Electrical Code and in accordance with any local electrical codes in effect at the time and place of installation.

All electrical connections must be made in accordance with the wiring information contained in this manual and on the back of the field wiring access panel of the control box. A licensed electrician should install a four-wire electrical service (two line voltages, one neutral, one ground) from the main electrical service panel to the subpanel. The equipment pack requires a MINIMUM of 112 volts per line under load.

The grounding conductor must be at least #10 AWG. Your electrician should mount the subpanel in the vicinity of the spa but it should not be closer than 5 feet (1.5 m) from the spa water edge (NEC 680-38 to 41-A-3).

INSTALLATION NOTE: After the spa has been installed, your electrician can connect the conduit from the subpanel to the spa's control box and then complete the wiring connections in the control box.

NOTE: Complete step-by-step Installation and wiring instructions for all models are included in the Owner's Manual and with each sub-panel, which can be obtained from your dealer.

WARNING: Removing or bypassing the GFCI breakers in the subpanel at any time will result in an unsafe spa and will void the warranty.

230 VOLT CONVERTED CANTABRIA (OPTIONAL)

The **CANTABRIA** requires an additional 20 amp breaker in order to operate the heater at the same time as the lounge pump #3.

This subpanel requires a 70 amp, single phase, 230 volt, four wire service (two line, one neutral, one ground). The ground wire must never be less than #10 AWG. Use NEC 250-122 (table) and local codes for more information. A minimum #6 AWG solid copper bond wire is also required.

NOTE: Complete step-by-step Installation and wiring instructions for the **CANTABRIA** are included in the Owner's Manual and with each sub-panel, which can be obtained from your dealer.

SEE ABOVE FOR IMPORTANT ELECTRICAL INSTALLATION NOTES.

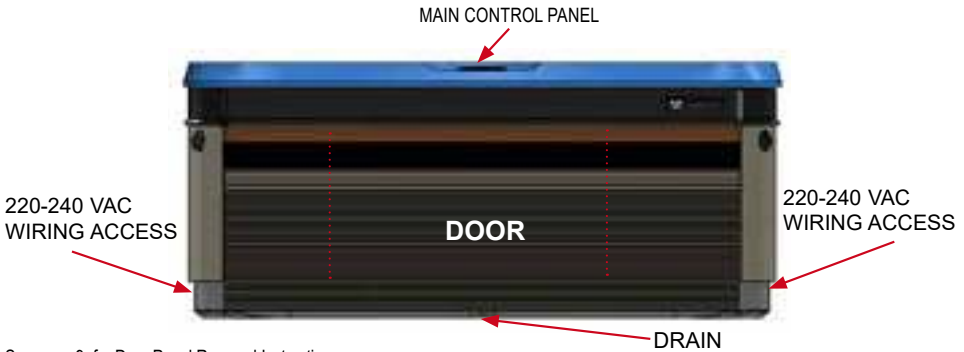


POWER CONNECTION

To connect power to the spa, refer to "230 VOLT WIRING SCHEMATIC DIAGRAM" and "POWER CONNECTION ACCESS" illustrations. When supplying power, remove the equipment door.

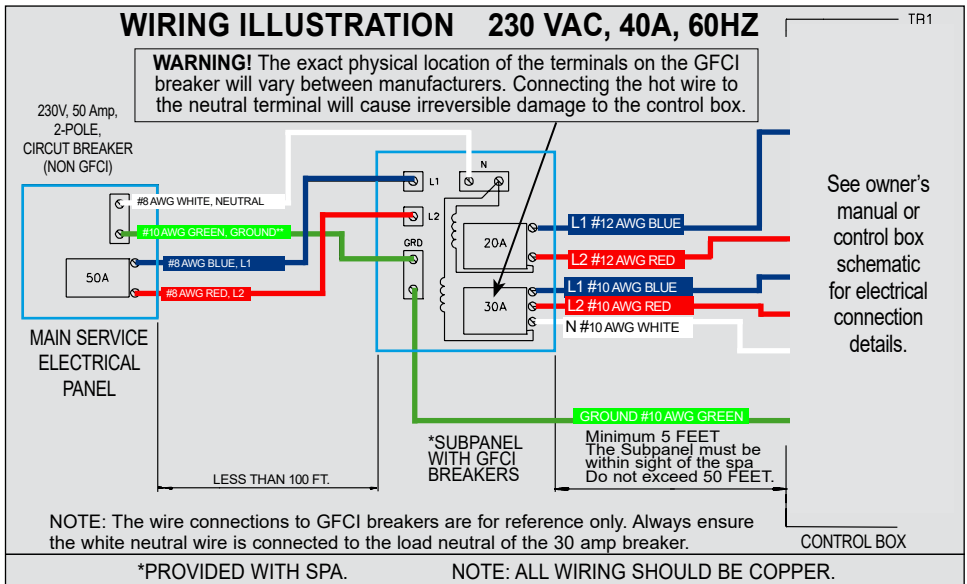
NOTE: The 230V wiring diagram is located on the inside of the Control Box Cover.

POWER CONNECTION ACCESS



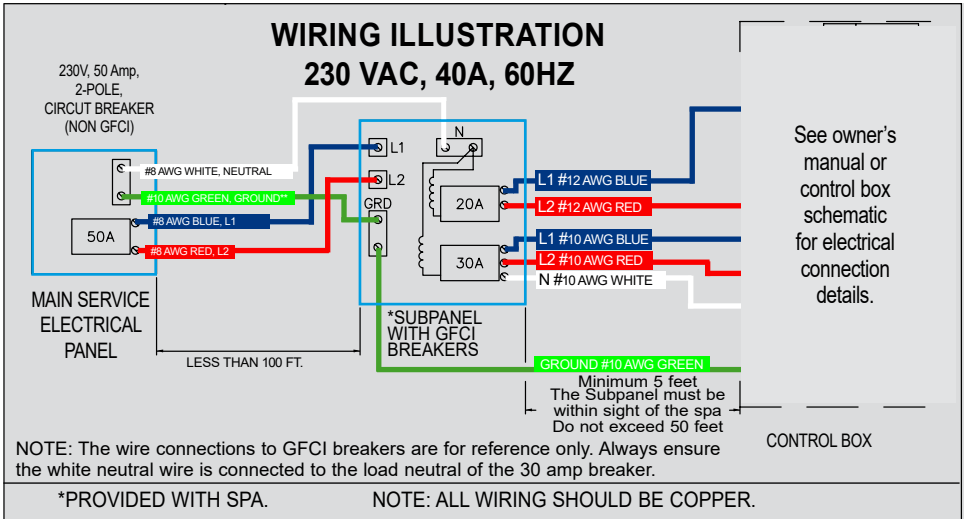
See page 9 for Door Panel Removal Instructions

WIRING DIAGRAMS GENEVA, TAHITIAN, NIAGARA, FLORENCE & RAVELLO



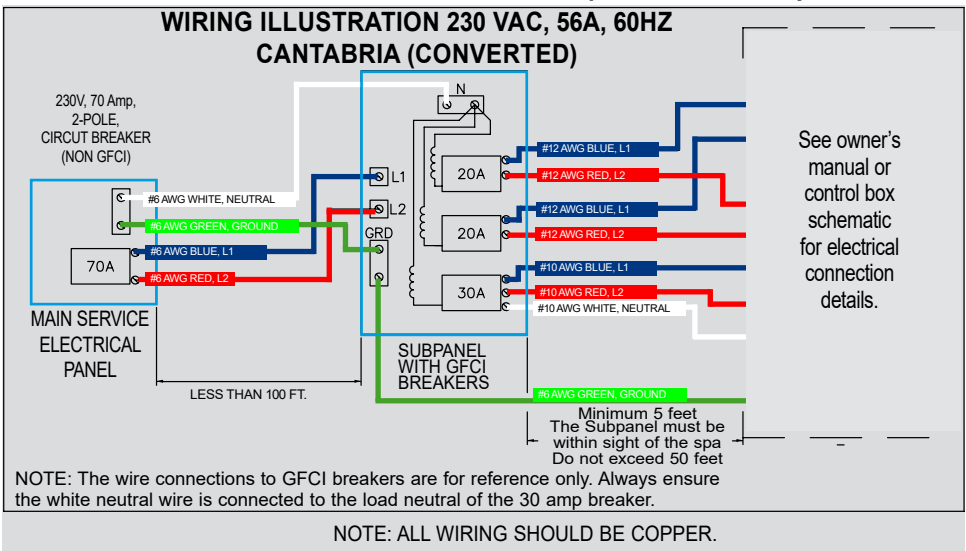
Pre-Delivery Instructions

WIRING DIAGRAMS CANTABRIA



WARNING! The exact physical location of the terminals on the GFCI breaker will vary between manufacturers. Connecting the hot wire to the neutral terminal will cause irreversible damage to the control box.

OPTIONAL CANTABRIA (CONVERTED)



WARNING! The exact physical location of the terminals on the GFCI breaker will vary between manufacturers. Connecting the hot wire to the neutral terminal will cause irreversible damage to the control box.



WIRE INSTALLATION FOR CONTROL BOX TERMINAL BLOCK

Wire Installation Steps

Refer to spa's wiring
diagram on back of Control
Box Cover for proper wiring
and jumper configuration!

