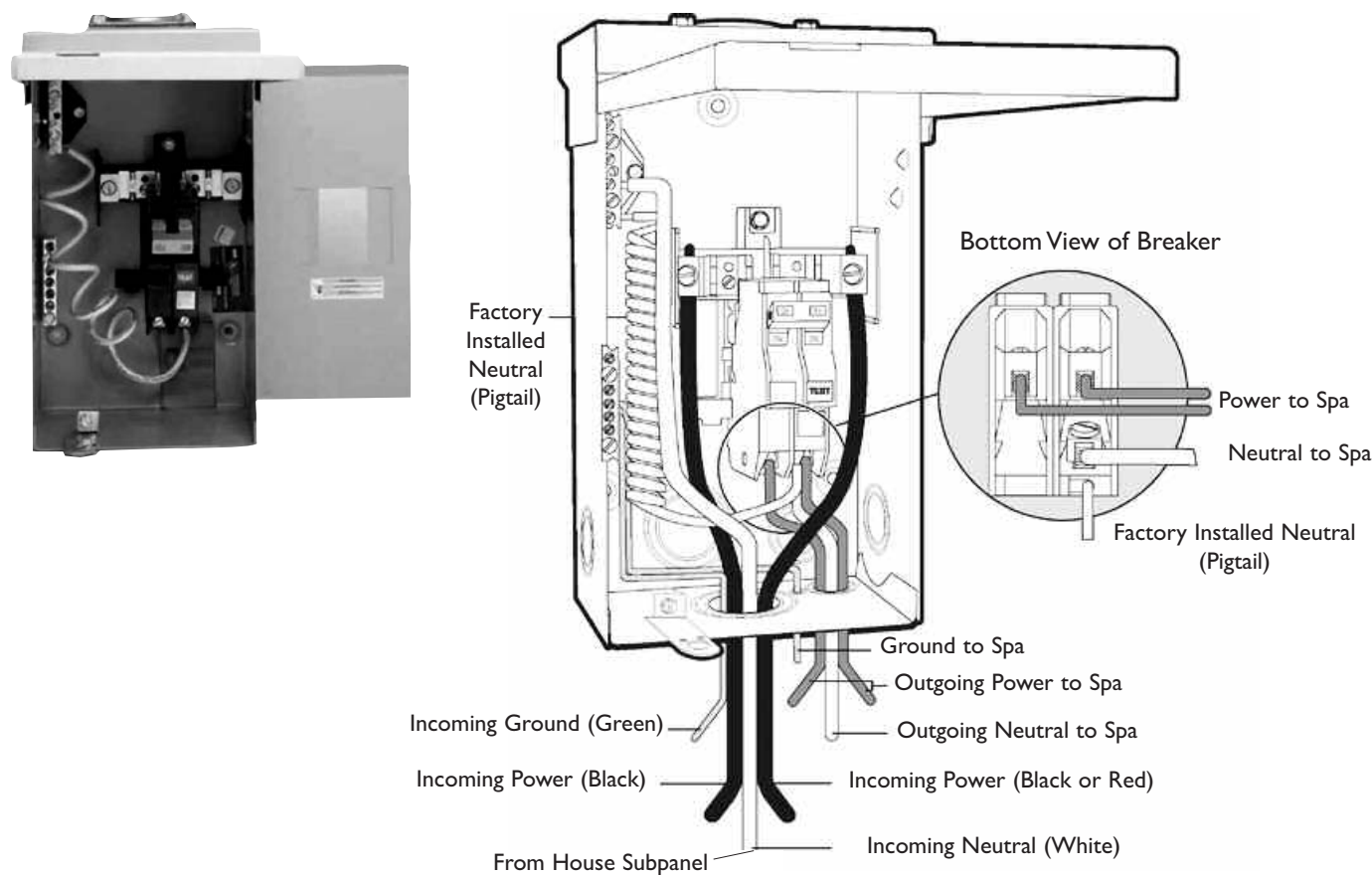
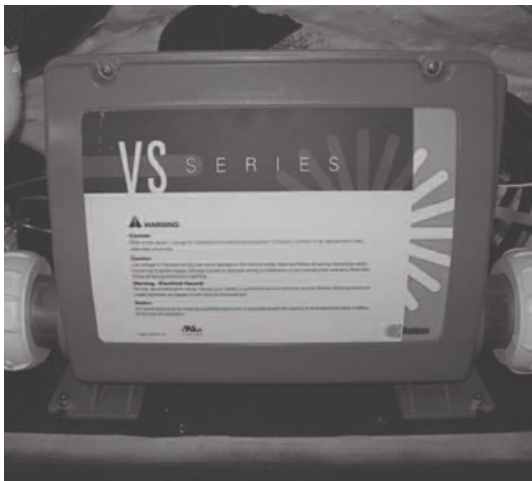


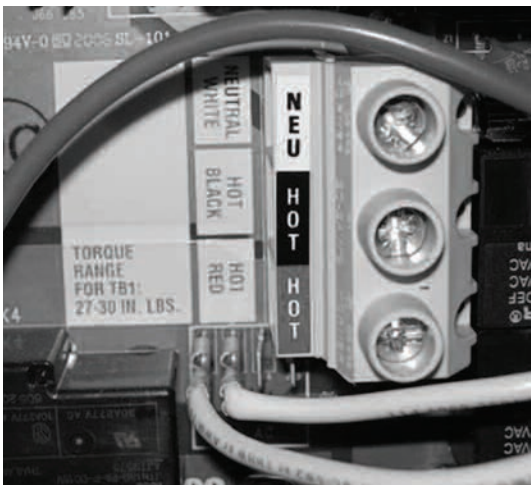
220 Volt, 50 Amp GFCI Disconnect Box



Spa Control Box System



Connection at Control



ELECTRICAL INSTALLATIONS

220 Volt 60Hz Installation Instructions for All Luxury Spa Models

Saratoga Spas must be wired in accordance with all applicable local electrical codes.

All electrical work should be done by an experienced, licensed electrician familiar with spa installations.

NOTE: As of January 1, 1996, The National Electrical Code (NEC) requires a GFCI (Ground Fault Circuit Interrupter) on all spa installations.

220 Volt Wiring Instructions:

1. Open the Equipment Module's wiring access panel to allow access to the input power wiring.
2. Connect the input power wiring as shown below. 220 Volt installations require a 60Hz, single phase, three wire electrical service, with ground (Line 1, Line 2, Neutral, and Ground), and must be connected using a minimum supply conductor ampacity of 50 AMPS and a minimum circuit breaker size of 50 AMPS.

***Note: Use THHN copper wire only. Do not use aluminum wire.**

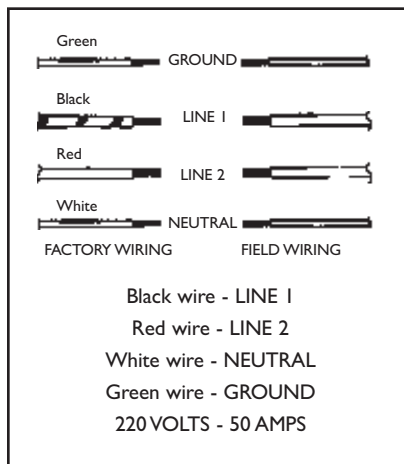
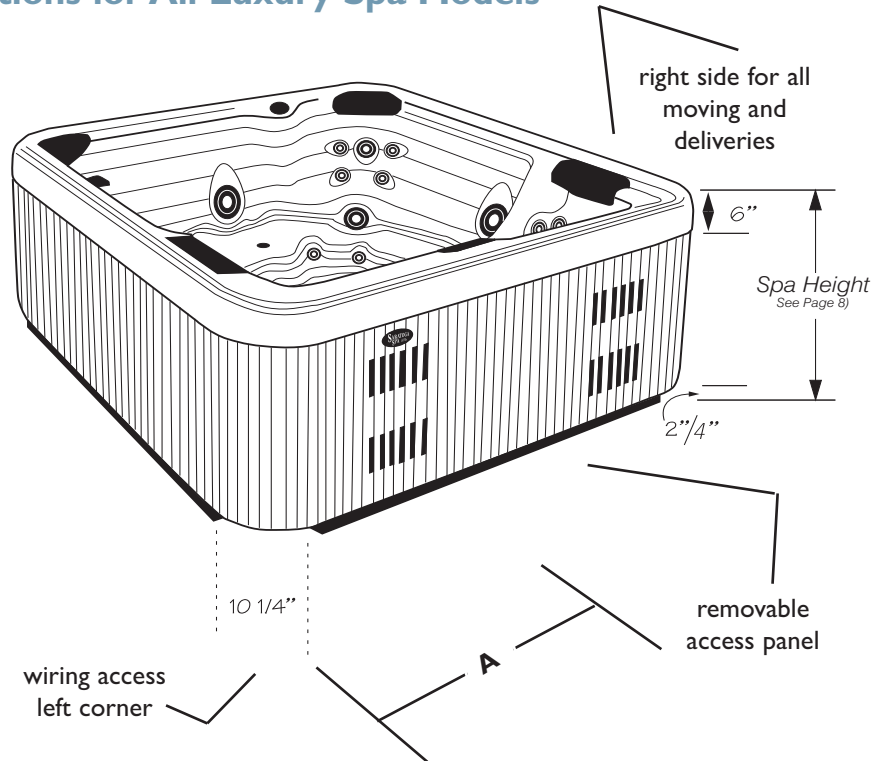
These spas must be connected to a "Dedicated" 220 Volt 50 AMP grounded circuit. The term "dedicated" means the electrical circuit is not being used for any other electrical items (lights, appliances, etc.) If the spa is connected to a non-dedicated circuit, overloading will occur and nuisance tripping of the GFCI breaker switch at the house breaker panel will occur.

A ground lug connector is provided on the exterior surface of the control box inside the equipment compartment. This is to permit the connection of a bonding wire between this point and any metal equipment, enclosures, pipe or conduit within five feet of the spa. This bonding wire must be at least #8 AWG solid copper wire.

! CAUTION: Use only approved pressure-type wire splicing lugs or connectors suitable for the size and type of wiring used!

For complete installation, operation and wiring instructions please refer to the owners manual. This sheet is intended to provide information to the electrician in advance of the spas arrival. The electrical wiring of this spa must meet the requirements of the National Electric Code (NEC) and any applicable state and local codes. It is also expected that the electrical circuit be installed by a licensed electrician and meet the approval of all local building and electrical codes. It will be the home owners responsibility to retain permits and inspections where applicable.

The Keene may be wired for 110V installation. See Owner's Manual for details.

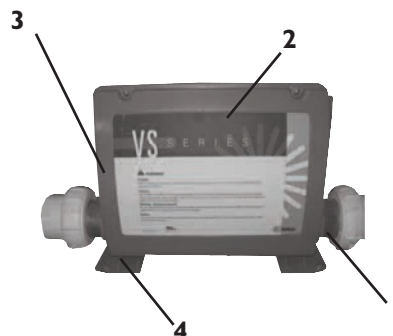


A - Distance in inches from left corner to pack area for wiring. Allow enough slack to go into pack.

Adelphi	A = 40"	0.97 m
Putnam	A = 48"	1.12 m
Grand	A = 42"	1.07 m
Regent	A = 44"	1.12 m
Canfield	A = 44"	1.12 m
Empire	A = 46"	1.09 m
Lincoln	A = 46"	0.97 m
Broadway	A = 46"	1.09 m

Keene/Contender	A = 37"	0.94 m
Champlain/ Victory	A = 44"	1.12 m
Caroga/ Vision	A = 42"	1.07 m
Saranac/Spectra	A = 36"	0.86 m
Marcy/Conquest	A = 40"	1.02 m
Georgian/Challenger	A = 41"	1.04 m

Paradise	A = 24"	0.61 m
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1. Heater
2. Circuitry Housing
3. Conduit for power input
4. Mounting brackets