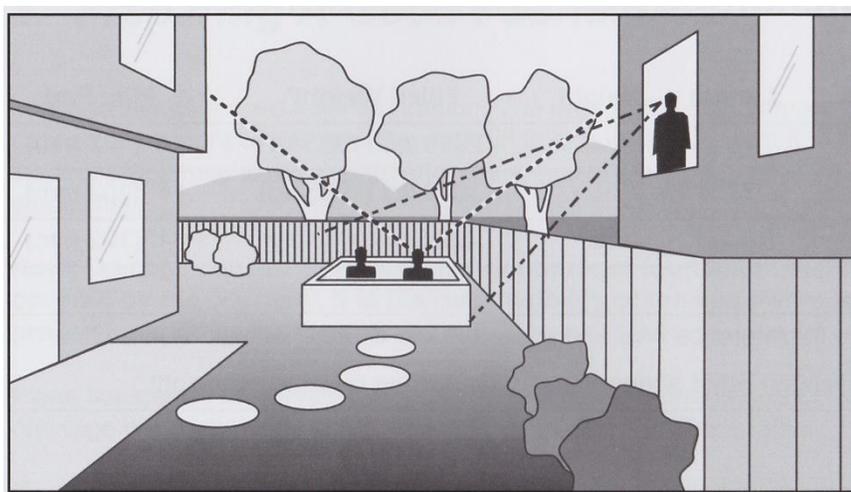


This guide will provide you with all the basic information you'll need to ensure a safe, speedy and trouble-free spa delivery and installation. Please print out this guide and read it before you schedule a delivery.

Most cities and counties require permits for exterior construction and electrical circuits. In addition, some communities have codes requiring residential barriers such as fencing and/or self-closing gates on the property to prevent unsupervised access to a spa by children under five years of age. So make sure to check with your local government agencies to ensure the installation will meet all city and local safety codes and requirements.

1. Planning the best location for your spa.
2. Preparing a good foundation
3. Getting the Spa to the desired installation location
4. Electrical Requirements
5. Electrical installation of spa after delivery

Things to consider when planning the best location for your spa



For safety reasons do not place your spa within 10 feet of overhead power lines.

Determine how you will use your spa whether it will be used for recreation or therapeutic purposes. Depending on what you decide will most likely determine how much space you need around it and the exterior design of your spa location.

The climate you live in will have a huge influence on what you want around your spa. If you live in an area like Bend, that has a snowy winter and hot summer you might consider a place to change clothes or an entry to the house that is near the spa.

If you live in an area that is very hot, you might consider an area that has shade from the hot sun. So consider placement of trees, shrubs, patio cover, or even a gazebo.

If you are considering an indoor installation make sure you have adequate ventilation and moisture resistant paint. Spas can produce a considerable amount of moisture that over time can damage the walls and ceiling surfaces. Also remember that you will have to drain the spa from time to time so make sure that you have an adequate drain nearby.

Privacy is also something to consider, you might have a great placement for your spa in summer with lots of tree shade but if those trees go bare during the winter you might not have much privacy. So make sure that you consider the view of your neighbors for all season.

Depending on the placement of the spa you might have to deal with dirt and foliage being tracked into the spa. You might consider placing a concrete as a path and access area. Check the location of trees and spill paths from gutters to see if wind or rain will sweep debris into it.

If you decide to install custom wood or tile around your spa make sure to allow access for service. If by chance you need to service the spa the technician might need to remove the side panels or access the spa from underneath. It is best to design you're your spa installation so that the spa can be moved or lifted.

Preparing a good Foundation

Your spa needs a solid level foundation. The area that it sits on must be able to support the weight of the spa, the water in it, and those who use it. If the foundation is inadequate, the spa may shift or settle after the spa is in place; causing stress to the spa's shell and possible damaging it.

Note: Damage caused by inadequate or improper foundation support is not covered by the warranty. It is the responsibility of the spa owner to provide a proper foundation for the spa.

Place the spa on an elevated foundation so that the water drains away from it. Proper drainage will keep components protected from rain and wet weather.

If you are installing your spa indoors, pay close attention to flooring beneath it. Remember, a spa filled with water can cause moisture damage. Choose flooring that won't be damaged by water spillage and that it has proper drainage.

A spa filled with water is heavy. If you are installing your spa on an elevated wood deck or other structure, it is highly recommended you consult a structural engineer or contractor to ensure the structure will support the weight.

It is strongly recommended that the qualified, licensed contractor prepare the foundation for your spa. There is a 4 inch minimum depth requirement for the concrete pad.

These are
Recommended
Foundations



Concrete Pad
(4" or Thicker)



Wood Decking
(With Concrete
Foundation)

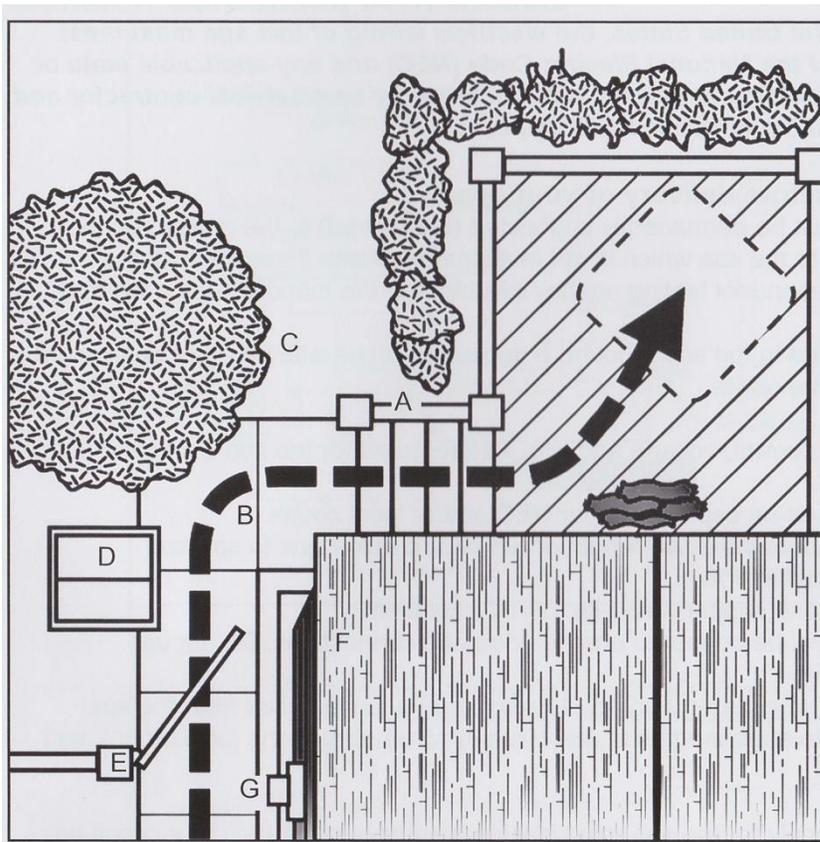
Getting the Spa to the desired installation location

Specification and dimensions for every spa are located on each page and can be printed out if desired. During delivery the spa must remain on the delivery cart at all times. Compare the dimensions to the width of gates, sidewalks, and doorways along the delivery route used to bring the spa into your yard. It may be necessary for you to remove a gate or partially remove a fence in order to provide an unobstructed passageway to the installation location.

Use the diagram below to plan your delivery route and consider following:

1. Check the width of gates, doors and sidewalks to make sure your spa will pass through unobstructed.
2. If the delivery route will require a 90° turn, check the measurements at the turn to ensure the spa will fit.
3. Check for protruding gas meters, water meters or A/C units on your home which will be an obstruction along the delivery path to the installation area?
4. Are there low roof eaves, overhanging branches or rain gutters that could be an obstruction to overhead clearance?
5. Are there more than six (6) consecutive stairs without a landing in your delivery route?

*The use of a crane for delivery and installation is necessary on occasion. It is used primarily to avoid injury to your spa, your property, or to delivery personnel. If your spa delivery requires the use of a crane, the cost of a crane is not included.



- A. Check number of stairs. No more than 6 in a row without a landing.
- B. Check corner clearance. Spa will not bend.
- C. Check overhanging branches.
- D. Check structures such as dog houses, wood piles, etc.
- E. Check all gates and entries for width clearance.
- F. Check overhang clearances.
- G. Check protruding meters, fixtures and rain gutters.

Electrical setup before delivery of your spa

Electrical wiring of the spa must meet the requirements of the National Electric Code (NEC) and any applicable state or local codes. The electrical circuit must be installed by an electrical contractor and approved by a local building/electrical inspector.

1. All 240V spas must be permanently connected (hard wired) to the power supply. Supplying power to the spa which is not in accordance with these instructions will void both the independent testing agency's listing and the manufacturer's warranty.
2. The power supplied to the spa must be a dedicated circuit with no other appliances or lights sharing the power.
3. To determine the current, voltage and wire size required for the spa configuration to be connected:
 - Wire size must be appropriate per NEC and/or local codes.
 - Wire size is determined by length of run from breaker box to spa and maximum current draw.
 - We recommend copper wire with THHN insulation.
 - All wiring must be copper to ensure adequate connections. Do not use aluminum wire.
 - When using wire larger than #6 (10mm²), add a junction box near the spa and reduce to short lengths of #6 (10mm²) wire between the junction box and the spa.
4. The electrical supply for the spa must include a suitably rated switch or circuit breaker to open all ungrounded supply conductors to comply with Section 422-20 of the National Electric Code, ANSI/NFPA 70. The disconnecting means must be readily accessible to the spa's occupant but installed at least 5 feet (1.5 m) from the spa water. Check with local municipalities for additional code requirements.
5. The electrical circuit for the spa must include a suitable ground fault circuit interrupter (GFCI) as required by NEC Article 680-42. We recommend Square-D or Cutler-Hammer GFCI breakers.

Electrical installation of spa after delivery

Proper grounding is extremely important. The spa is equipped with a current collector system. A pressure securing wire connector is provided on the outside of the control box to permit connection of a bonding wire between the spa and any metal within 5 feet (1.5m) of the spa. Bonding wire must be at least #8 AWG (8.4mm²) solid copper wire.

1. To gain access to the spa's power terminal strip, remove the cabinet panel on the side of the spa under the control panel. After removing the cabinet panel, remove the four metal control box cover screws and cover.
2. A cable inlet (grommet) is located on the left and right side of the spa cabinet approximately 6" to 8" from spa front. Select the inlet you want to use, then feed the power cable through it to the left side of the control box.
3. Install power cable through the 1" Romex connector provided on the left-side of the control box.
4. Connect wires, color to color, on the terminal strips and tighten securely.
5. Secure the metal control box door by installing its 4 screws, then re-install the cabinet panel under the control panel. Electrical installation is now complete