

**Electrical and Hot tub setup - LHC Winter House
Rev 1**

Warning

Do not let children use the hot tub unattended

Never turn on the breaker or plug in the hot tub if the hot tub is empty of water. This will do major damage to the hot tub heater element.

Use the hot tub cover hoist at your own risk. It is not UL approved. Always use the safety tether (figure 6 below) once the cover is up to insure that the cover cannot fall accidentally

The water in the hot tub should last up to four months if taken care of properly.

It takes 2 to 3 hours to drain and clean the hot tub when you leave. Please plan on this much time so that you leave the hot tub in good shape for the next person.

Arriving at the house

1. Turn on the water main.

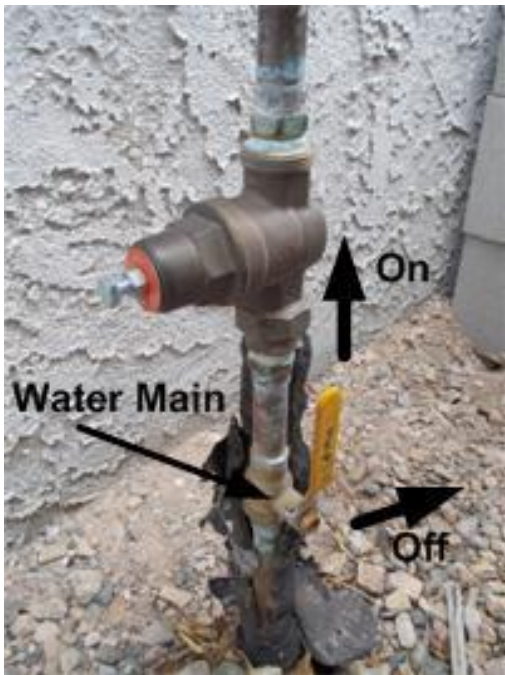


Figure 1. Water main valve located on the East side of the house. The water to the house is ON when the yellow handle is vertical. The water to the house is OFF when the yellow handle is horizontal.

Step 2. The breaker box shown in figure 2 is on the back side of the house on the East side. Turn on the MAIN and the Water Heater breakers. All other breakers will likely already be on. DO NOT YET TURN ON THE SPA!!!

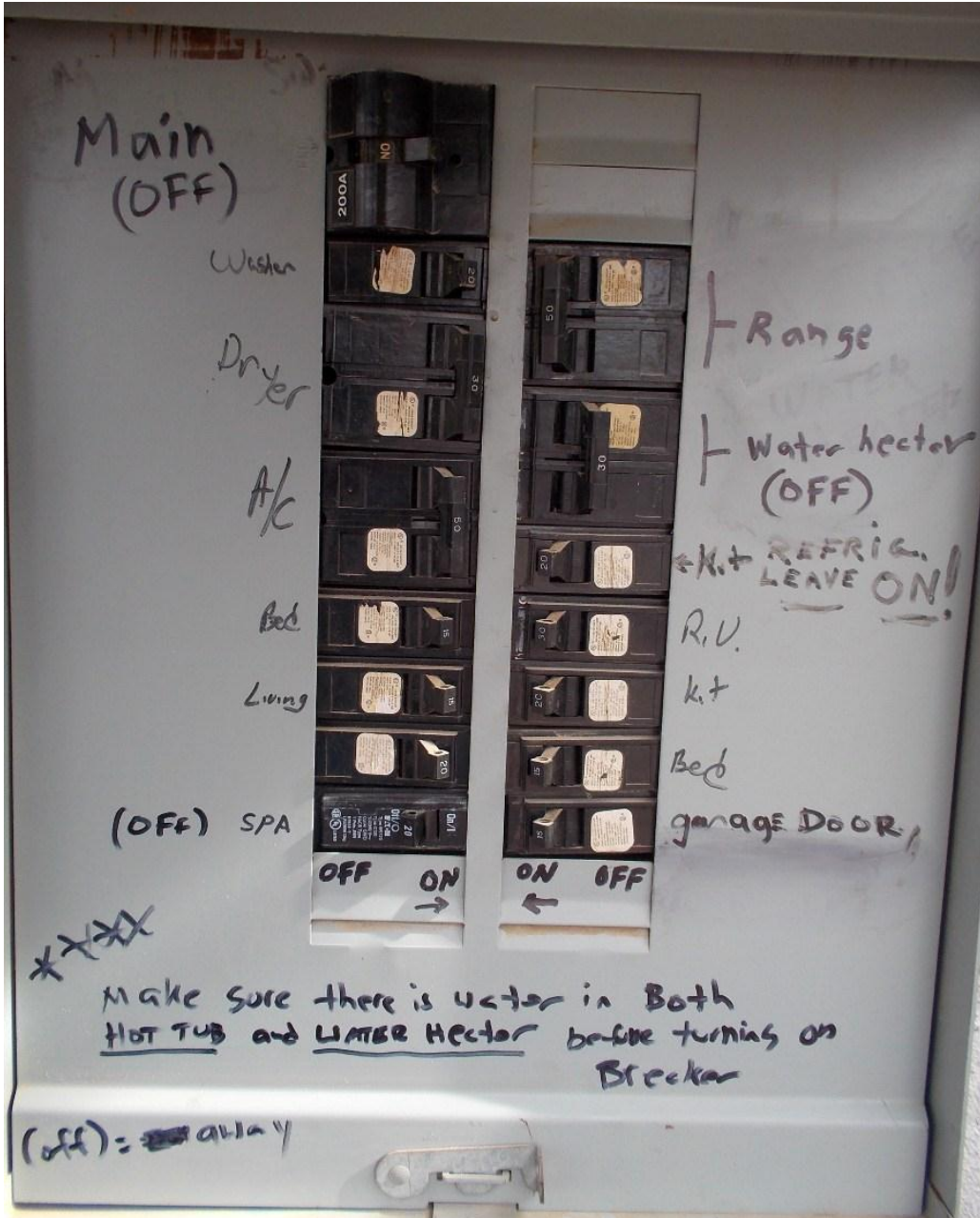


Figure 2. The switches which should be off when the house is not occupied are noted with (OFF). This includes the MAIN, Water Heater and the SPA. Note that the breaker on and off locations are mirror image for each side, i.e., OFF is always to outside.

The water heater and the SPA can be damaged if the breaker is turned on before these have water in them and that is why they should be left off and ONLY turned on when you are sure that the appliance has water in it.

At this point, do NOT turn on the SPA breaker!!! If you have turned on the main water, you can turn on the MAIN and the water heater – but do NOT turn on the SPA yet or you will DAMAGE it.

Note – If you use the house but NOT the SPA, do NOT turn on the SPA breaker. All the other breakers are used as noted.

Filling the Hot tub

Warning – do NOT turn on the SPA breaker until the SPA is full of water!!

Step 3. Release the hot tub cover buckles, raise the cover and fill the tub with water.



Figure 3. Snap buckles hold the cover on the hot tub, unsnap all these. I think there are at least four, please make sure you get them all.

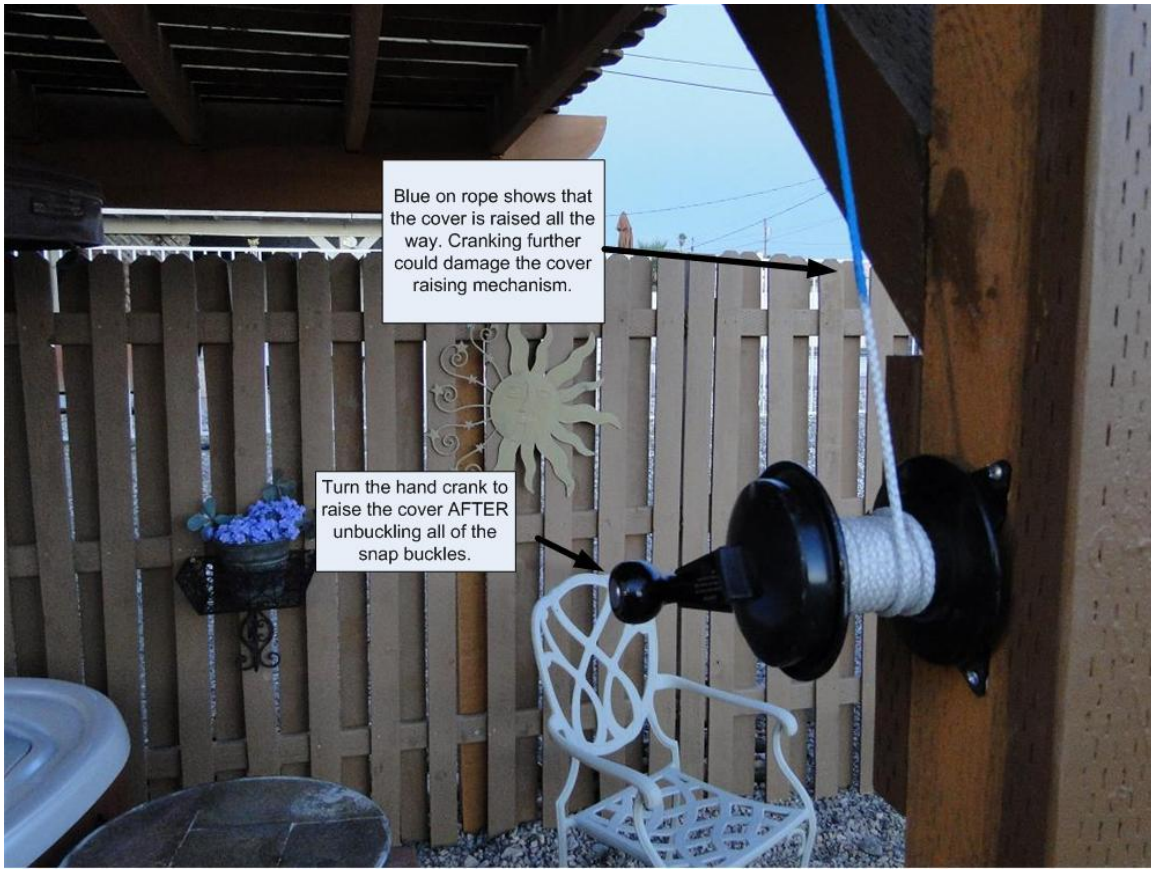


Figure 4. The hand crank is used to raise and lower the hot tub cover.



Figure 5. Cover is raised by turning the crank. Cover is released by turning the tab.



Figure 6. The crank has a clutch that keeps it in the up position automatically but just to be sure the cover doesn't accidentally fall when the hot tub is occupied, please place the chain tether on the pulley systems as shown in this figure.

Use the garden hose and simply put the end of the hose in the hot tub and fill to just cover the hot tub jets.

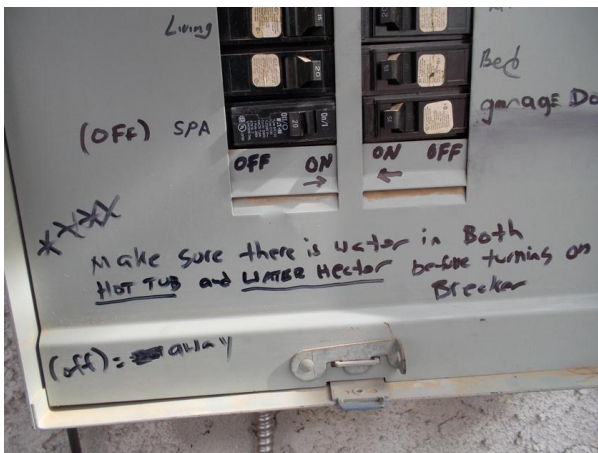


Figure 7. Once the hot tub is FULL of water, you can turn the SPA breaker on. WARNING – do not turn the SPA breaker on if the hot tub is not full of water.

At this point, the hot tub is full of water and the breaker is turned on. The hot tub should begin to automatically heat up to the preset temperature. The pump may go on while the hot tub is heating up. It may take up to 12 hours to get up to temperature.

Using the Hot tub

Always keep the cover on the tub when you are not using it. This both keeps the water clean and also keeps the electricity use as low as possible. The hot tub will lose a lot of heat if the cover is left off.

The hot tub cover lift should work very nicely and makes it easy to raise and lower the cover.

Please follow the directions (local for Lake Havasu) shown in figure 8 as recommended by the local dealer where the tub was purchased.

Important... Drain Spa every 4 months.

Initial start up

- *Fill spa through fitting under filter
- *When full add 2 tablespoons of enhanced shock
- *Add 4 capfuls of PH decriaser
- *Replace Nature2 cartridge inside filter(every 4 months)
- *Run high speed jets 5 minutes

After each use or each week with no use

- *Add 1 tablespoon of enhanced shock
- *Run high speed jets 1-2 minutes

Once per week

- * Check PH
- *If PH test higher than 7.6 add 2 capfulls of PH decriaser
- *If PH test lower than 7.4 add 2 capfulls of PH increaser

Problems or questions?

Call 855-2558

Or visit our showroom at:

Neat Pool & Supply

52 Scott Dr.

Lake Havasu City, AZ 86403

www.neatpool.com

Figure 8. Important directions for using the hot tub. Fill the hot tub with the garden hose directly instead of “through the fitting under the filter”. Each time you use the hot tub, add the one table spoon of the enhanced shock as noted. The “shock” does not build up, it evaporates.



Figure 9. Left – Enhanced Shock, Center is the PH degreaser and on the right are the PH test strips. These chemicals are in the garage just above the cloths dryer. Use as shown in figure 8.

Empty the hot tub when you leave

Please plan on at least several hours to drain and clean the hot tub.

Warning – before removing the water to the hot tub, **TURN OFF** the SPA breaker. Just below the breaker are marked the OFF and ON positions.

Damage to the hot tub heater will occur if you do not correctly turn off the breaker.



Figure 10. Before you begin to empty the hot tub, **turn OFF the SPA breaker**. Warning, if the hot tub is empty of water and the SPA breaker is on, you will damage the hot tub.

There is a length of cut garden hose with a rock wired to one end. Carefully place the rock at the lowest spot in the hot tub and run the hose towards the back as far as it will go. Suck on the hose temporarily to establish SIPHON flow. Once the flow starts, it will completely drain the tub until the hose in the tub gets exposed to air.



Figure 11. Siphon hose used to empty the hot tub. The end of the hose is out past the Chiminea (wood burner).

As the water is receding, clean any residue off the hot tub sides using a spray cleaner and a soft rag.

After the siphon has removed as much water as it can, use a scoop to get the rest of the water out. Please leave the hot tub as clean and dry as possible.



Figure 12. Use a scoop to get all the water out of the tub. What you don't get out ends up being nasty for the next person to use the house.

Once the hot tub is as dry as you can get it, lower the cover and snap the cover buckles in place.



Figure 13. Replace the cover snap shackles when leaving the hot tub inactive.

Leaving the house

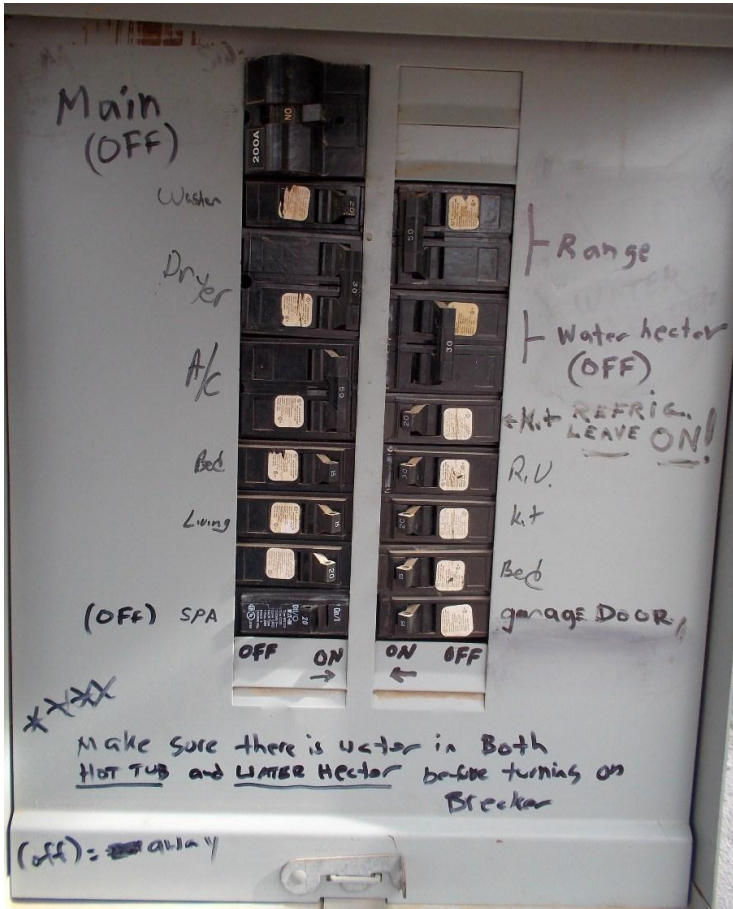


Figure 14. Turn OFF the MAIN, Water Heater and SPA.



Figure 15. Turn OFF (horizontal position) the water main.

Please lock all doors and windows

- Sliding Glass door in the back
- Back door from Garage (dead bolt)
- Use the key to lock the front door

Thank you for going through the effort to keep all this working!!