



Easy Spa Parts

We know what you need.

## REPLACING YOUR ULTRAPURE OZONE GENERATOR ASSEMBLY

Ozone systems are one of the most important advancements in clean water technology for hot tubs in years. After your water is filtered, it passes through a special ozonation process that kills bacteria and viruses, and oxidizes, (or burns up), microscopic waste products. These were not trapped in the filter, but can be removed with an ozonator. Remember that while ozone systems are a great supplement to shocking and sanitizing your spa, (and make water care easier), it does not completely replace them.

The ozone generating assembly is most effective for about 18,000 hours, (or 2 years); after that its efficiency drops sharply. Think of this U.V. generating lamp like any light in your house. When you replace a burnt out bulb in the kitchen, you realize how weak the other bulbs in the room are. The other lights are on, but they are not nearly as bright as the new one. Your UltraPure or Crystal Pure Ozone Generator is no different. After about 2 ½ years it's not nearly as effective as new. Worry not; replacing your generator takes less than 30 minutes and helps keep your water cleaner for 2 years.

Changing the bulb is relatively simple but power to the spa must be turned off. This is done at the GFCI or fuse box on the side of your house.

1. Turn off Power at your GFCI box or main fuse panel!!!



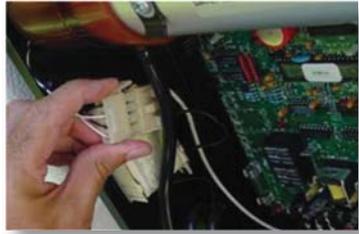
2. Remove screws and wooden door panel from spa cabinet.



3. Loosen screws from the metal panel cover of the black electrical control box, and slide the cover up and off. Set the cover aside.



4. Unplug the white power connector. Squeeze clips on either side and carefully pull both halves apart.



5. Plug new UltraPure Ozone Generator Assembly into connector and carefully set on end. This will help avoid installing the unit backwards later.



6. Cut vinyl hose from barbs on both sides of the old tube assembly. Use scissors or wire cutters to carefully snip as close to the barb as possible. Be careful not to cut any other wires in the equipment box. Sometimes the barb breaks off on its own. That works too!



7. Remove both screws from black mounting strips. You will need to hold the tube assembly carefully from behind to insure it does not push against any other electrical components and cause breakage.



8. Remove UltraPure Ozone Generator from spa.



9. Place new UltraPure Ozone Generator Assembly in location of old unit. Line up screw indents on the tube with mounting strip holes, for easy installation. You will need to hold the tube assembly carefully from behind to insure it does not push against any other electrical components and cause breakage. Carefully install mounting screws into new tube assembly using a cordless drill. The aluminum tube is thick and using a hand screwdriver will be very slow.



10. To attach vinyl hose to the correct barbs, putting a little soapy water on the plastic barbs before sliding the hose on can help. The soapy solution acts as a lubricant.



11. Over time, the vinyl hose becomes stiff and is difficult to re-attach. Carefully heat the last 1-2" of the black hose with a cigarette lighter until it begins to soften. It should then be easier to slide over the soapy barb. (Replacing the vinyl hose can be a bit trying, so just be patient and keep at it.)



12. Move the white power connector off the left side of the P.C. Board and out of contact with any other electrical components. Failure to do this could cause shorting and damage to your spas' electrical system.



13. Turn on power at the GFCI again. Within a few minutes the Assembly light should come on, and you'll know it is operating. (A small percentage of units may not turn on. This probably means the transformer needs replacing too.)



14. Turn power off again at the GFCI.  
15. Re-install black control box panel cover.

16. Re-install wood door to spa cabinet.



17. Turn power back on at GFCI or main fuse box.



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