



# Ultra UV<sub>2</sub><sup>TM</sup>

ULTIMATE UV WATER SANITIZER

Cleaning, Replacing And  
Resealing The Quartz Tube



## WARNING

**IMPORTANT SAFETY  
INSTRUCTIONS: READ  
COMPLETELY BEFORE  
PROCEEDING.**

When using this electrical equipment, basic safety precautions should always be followed, including the following:

- Follow all applicable electrical codes.
- Turn off power at main source before making any electrical connections or servicing the unit.
- To reduce the risk of electric shock, injury or death disconnect unit from power supply
- Follow the instructions or risk of serious injury or death could occur!

**UV EXPOSURE & PROTECTION:**

UV-A and UV-B radiation can have adverse short and long term effects on the eyes and skin. Never look directly at a UV lamp that is connected to a power source. Avoid UV skin exposure at all times.



Pool, Spa & Pond  
Water Sanitizer 4BU1



EPA Registered  
#084221-AZ-001



# Paramount

Pool Life. Simplified.

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## Signal Words and Symbols Used In This Manual

This Owner's Manual and Installation Guide contains specific precautions and symbols to identify safety-related information. You will find DANGER, CAUTION, WARNING and NOTICE symbols which require special attention. Please read them carefully and follow these precautions as indicated! They will explain how to avoid hazards that may endanger you or persons using or maintaining your pool or spa.



**DANGER**

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.



**WARNING**

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.



**CAUTION**

CAUTION indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

**NOTICE**

NOTICE is used to address practices not related to physical injury.

PLEASE REVIEW THE OWNER'S MANUAL AND INSTALLATION GUIDE IN ITS ENTIRETY AND HEED ALL SAFETY INFORMATION. Failure to follow these instructions and warnings can result in DEATH OR SERIOUS INJURY.

## IMPORTANT SAFETY INSTRUCTIONS SAVE THESE INSTRUCTIONS

For the most current version of this install manual go to:

<http://www.1paramount.com/poolcare/manuals.php>

# CONSUMER OPERATING INSTRUCTIONS

## QUARTZ TUBE MAINTENANCE

### NOTICE

#### FIRST STEP IN STARTING YOUR INSTALLATION

Inspect the Ultra UV2 unit for damage, paying close attention to the quartz tube. If the quartz tube is broken/ cracked contact the manufacturer for replacement.

Cleaning the quartz tube: The quartz tube requires cleaning every 6 months to ensure optimum performance.

1. Turn off all power to the ULTRA UV2 unit and all other pool equipment. Unplug the unit from its power receptacle or turn OFF the circuit breaker that is the ULTRA UV2's power source. Before proceeding to step 2 allow at least 15 minutes for the lamp(s) in the unit to cool.

### DANGER

Never remove the electrical enclosure cover without first disconnecting the power (power source) for the Ultra UV2 unit. Never remove the Ultra UV2 unit's cover without turning off the pump.

2. Remove the three screws that secure the plastic cover then remove Fig. 1.

### WARNING

Before removing lamps you must wear protective rubber gloves and safety eye wear. Do not handle a hot lamp or serious burns will occur.

### NOTICE

Do not touch the glass part of the lamp as body oils will create hot spots & greatly shorten lamp life.

3. Disconnect all lamps by pressing the release tabs on connectors and gently pulling apart. Fig. 8
4. Remove the spring clip Fig. 9. Carefully lift the old lamp assembly, including lamp holder, from the quartz tube Fig. 10. Do not pull excessively on the lamp wires. Set aside the lamp assembly in a safe area to avoid breaking or chipping.
5. Turning counter-clockwise, unscrew and remove the round aluminum sealing nut. Fig. 11
6. Carefully lift the aluminum compression washer from the top of the quartz tube making sure not to lose the black gasket that cushions the edge of the quartz tube. Fig. 12

Fig. 8



Fig. 9



Fig. 10

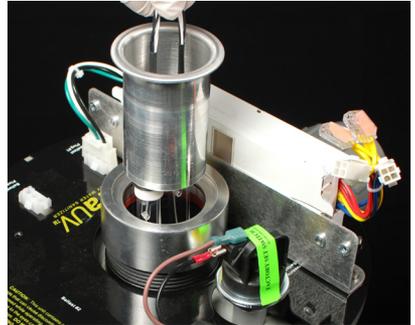


Fig. 11

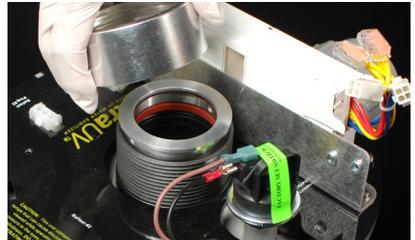


Fig. 12



7. Grip quartz tube with both thumbs inside and pull up. Once the O-ring breaks free, the quartz tube should lift out easily. Fig. 13

### NOTICE

The quartz tube is fragile, be sure to handle it with proper care and do not set it down on a hard surface. Do not use abrasive cleaners or pads.

8. Using protective rubber gloves and eye wear use shower/tub cleaner, CLR or equivalent, or a solution of white vinegar and water to clean the outside of the quartz tube. Remove the O-ring from the quartz tube. Fig. 14. If the inside of the quartz tube is moist or needs cleaning use the same cleaning method. The quartz tube must be completely dried and clear of residue before reassembly.
9. Inspect the quartz tube carefully for any cracks or chips and replace the quartz tube if any are found.

### NOTICE

Do not use any other O-ring at any time for sealing the quartz tube. Doing so can result in a leak and possible damage to your UV unit. The O-ring must be replaced after cleaning the quartz tube 005-422-5103-00.

10. **All components must be completely dry and clean. Never use any type of lube or sealing agent.** To reinstall the quartz tube place a **new** O-ring 2 inches from the top of the outside of the quartz tube Fig. 14. Gently lower the quartz tube into the unit until the O-ring makes contact with the top of the black threaded sealing sleeve. Fig. 15  
Note: Use a Paramount O-ring seal only.
11. Then place the aluminum compression washer and gasket on the quartz tube. Press down on the aluminum compression washer with an even steady pressure. Fig. 16 This will roll the O-ring into the area between the inside of the black threaded sleeve and the quartz tube. Lift aluminum washer and check to make sure it is seated evenly around the circumference of the quartz tube. Replace aluminum washer then screw on the quartz sealing aluminum nut to hand tight plus  $\frac{1}{2}$  turn.
12. Turn power on to the Ultra UV2 unit. Turn pump on to check for leaks. Confirm that there are no leaks then turn off pump and power off to the unit. Reinstall lamps, spring clip and connect to ballast(s). Reattach cover and turn power on to unit and turn pump on.



### CAUTION

Do not stand over the unit when it is under pressure or when the pump is on.

Fig. 13

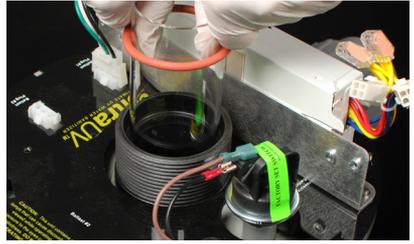


Fig. 14

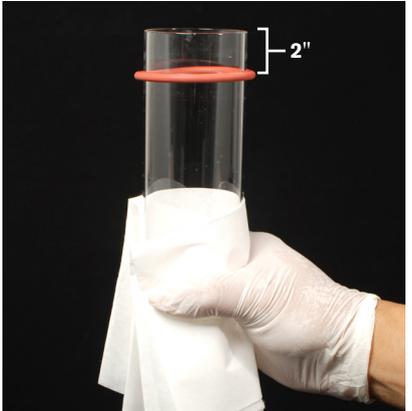


Fig. 15

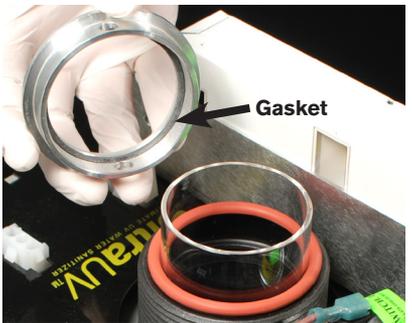


Fig. 16

