



UltraUV™

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.

CONSUMER OPERATING INSTRUCTIONS

QUARTZ TUBE MAINTENANCE

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

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



WARNING

Never remove the electrical enclosure cover without first unplugging or turning off the circuit breaker (power source) for the ULTRA UV unit. Never remove the ULTRA UV unit's cover without turning off the pump.

2. Remove the three screws on the plastic cover and lift up on the cover to remove. (Fig. 8)
3. With the cover off unplug the lamp connectors from the lamps by pressing the release and pulling the connectors apart to separate, repeat to disconnect all lamps (Fig. 9).



WARNING

You must wear protective rubber gloves. Do not handle a hot lamp or serious burns will occur. Do not touch the glass part of the lamp as body oils will create hot spots & greatly shorten lamp life.

4. Remove the spring clip holding the lamp separating disc in place, and carefully lift the lamp(s) from the quartz tube. Set aside in a safe area to avoid breaking or chipping the lamp(s) (Fig. 10).
5. Turning counter clockwise, unscrew the round aluminum sealing nut. If there isn't enough clearance to unscrew the aluminum sealing nut, unscrew one side of one ballast and loosen the screw on the other side (Fig. 11). Swing ballast out of the way to get a better grip or to use a tool.
6. Carefully lift the 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).
7. Wearing protective rubber gloves, hold quartz tube with both thumbs inside and pull up (Fig. 13). Once the O-ring breaks free, the quartz tube should lift out easily (Fig. 14).

Fig. 8



Fig. 9



Fig. 10



Fig. 11



Fig. 12



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.

- Using protective rubber gloves and eye wear use a good shower/tub cleaner or a solution of white vinegar and water to clean the outside of the quartz tube (Fig. 15). 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.
- 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 quartz tube and inside of the black sealing ring 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. 16). Gently lower the quartz tube into the unit until the O-ring makes contact with the top of the inside of the black threaded quartz tube sealing sleeve. Making sure the black gasket that was nested inside the aluminum compression washer is in place to cushion the edge of the quartz tube (Fig. 17).
- Then place the aluminum compression washer on the quartz tube (Fig. 18). Press down on the aluminum compression washer with an even steady pressure (Fig. 19). This will roll the O-ring into the area between the inside of the black threaded sleeve and the quartz tube. Check and make sure it is seated evenly around the circumference of the quartz tube. Screw on the quartz sealing aluminum nut hand tight plus $\frac{1}{2}$ turn.
- Carefully replace the lamp(s) in the quartz tube. Reattach ballast if you've disconnected in step 5. Replace the spring clip and connect lamp(s) to ballasts. Turn on pump and check for leaks. Replace the plastic cover and the three screws. Plug in or turn on the circuit breaker.

CAUTION

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

