

# Ultra UV<sub>2</sub><sup>™</sup>

ULTIMATE UV WATER SANITIZER

## LAMP ASSEMBLY INSTALLATION & LAMP REPLACEMENT MANUAL

The UV lamps have a useful life of approximately 13,000 hours and should be replaced at that time. Even though the lamp(s) may be glowing after 13,000 hours of operation they have reached the end of their useful life.

### 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.

#### DANGER

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

#### WARNING

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

#### CAUTION

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

#### NOTICE

Is used to address practices not related to physical injury.

 **UL US LISTED**  
Pool, Spa & Pond  
Water Sanitizer 4BJ1



EPA Registered  
#084221-AZ-001

  
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## NOTICE

It is strongly recommended that all lamps be replaced at the same time.

## LAMP ASSEMBLY REPLACEMENT

Fig. 1



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. 2
4. Remove the spring clip Fig. 3. Carefully lift the old lamp assembly, including lamp holder, from the quartz tube Fig. 4. Do not pull excessively on the lamp wires.

Fig. 2



Fig. 3

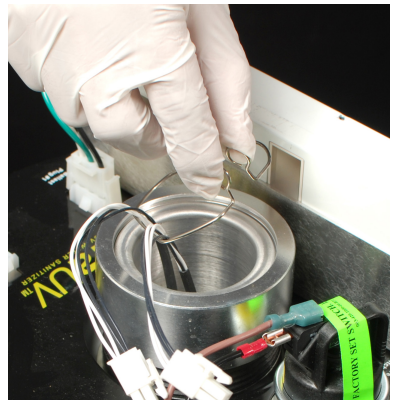
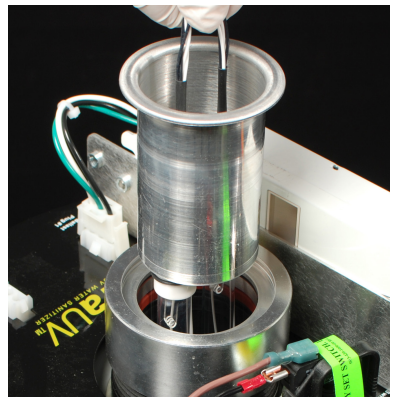


Fig. 4



- Carefully remove new lamp assembly from box. Confirm the lamp count in the box matches the current lamp count. Insert lamp(s) into lamp holder. lamp(s) must be aligned and seated securely in the lamp holder. Roll the black o-ring(s) up onto the ceramic end of lamp from position A to B, Fig. 8. Gently insert lamps into the lower lamp retainer Fig. 9 and lower lamp assembly into unit.
- Re-install the spring clip and re-attach the lamp connector(s) to the ballast. Note: The lamp connector(s) can only be installed one way.
- Discard lamp(s) appropriately. Visit [www.lamprecycle.org](http://www.lamprecycle.org) for instructions on disposal.

## RETROFITTING OLDER ULTRA UV UNITS WITH NEW LAMP ASSEMBLY

### NOTICE

Complete steps 1-4. Remove lamp(s) Fig. 5 and discard aluminum disc and yellow centering discs Fig. 6. Dispose lamp(s) accordingly. Continue on to step 5.

Fig. 5 (Older Ultra UV with yellow centering discs)



Fig. 6 (Older Ultra UV, discard aluminum disc)



To remove the aluminum disc in older Ultra UV units do one of the following.

- Refer to the quartz tube cleaning instructions in your manual, also available at [www.1paramount.com](http://www.1paramount.com) and remove the disc in the cleaning process.
- Using a rod long enough to reach the bottom of the quartz tube use a sticky substance (duct tape, silicone, shop vac etc) at one end of the rod to stick to the aluminum disc and lift the disc out of the quartz tube.

Fig. 7

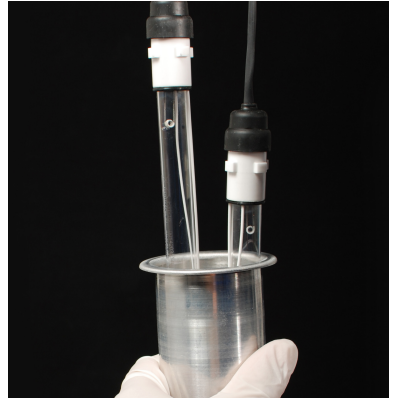


Fig. 8

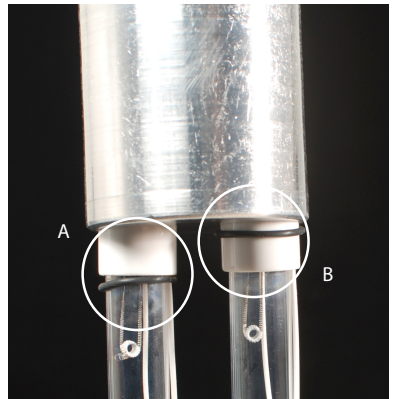


Fig. 9



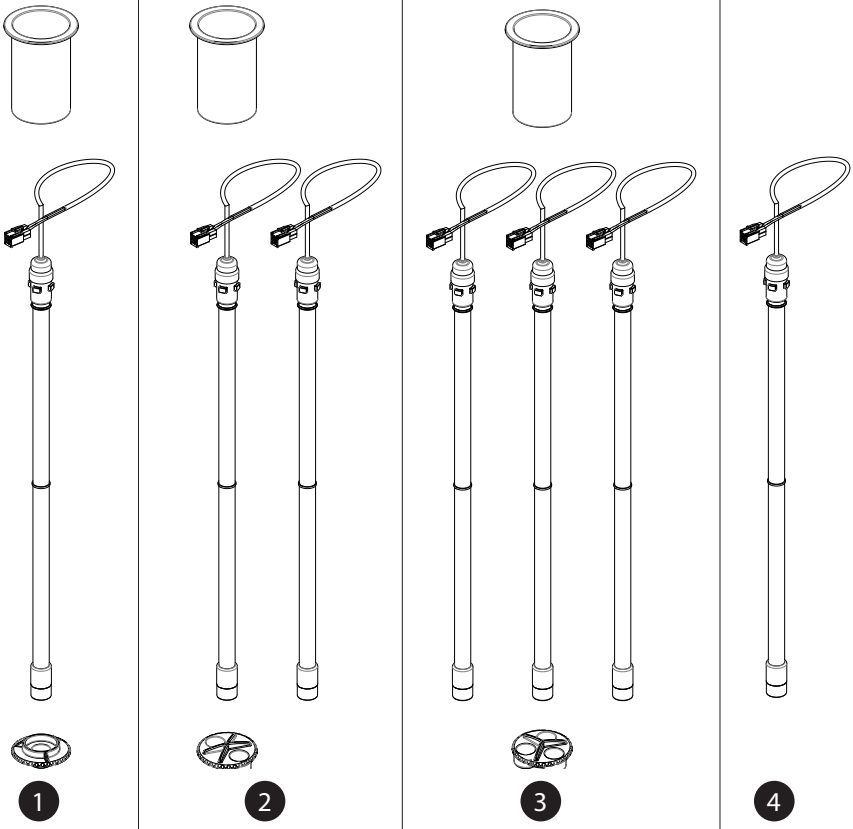
## REPLACING ULTRA UV LAMPS ONLY

1. Complete steps 1 - 4.
2. Carefully remove new lamp(s) from box. Insert lamp(s) into lamp holder, lamp(s) must be aligned and seated securely in the lamp holder. Roll the black O-ring(s) up onto the ceramic end of lamp from position A to B, Fig. 8. Gently insert lamps into the lower lamp retainer Fig. 9 and lower lamp assembly into unit.
3. Reverse order to reconnect the UV lamp(s) into Ultra UV2 unit.
4. Discard lamp(s) appropriately. Visit [www.lamprecycle.org](http://www.lamprecycle.org) for instructions on disposal.

### NOTICE

It is strongly recommended that all lamps be replaced at the same time.

## ULTRA UV2 LAMP ASSEMBLY & LAMP PART NUMBERS



Item	Part Number	Description
1	005-422-9014-00	Ultra UV2 Lamp Assembly - 1 Lamp
2	005-422-9015-00	Ultra UV2 Lamp Assembly - 2 Lamps
3	005-422-9016-00	Ultra UV2 Lamp Assembly - 3 Lamps
4	005-422-9017-00	Ultra UV2 Replacement Lamp Only

Note: Lamp assembly part numbers are printed on the black plate.