

AquaLumin Bulb (Extended Life) Replacement Instructions

NOTE

If AquaLumin was manufactured before 12/99, you may need to adjust the light socket to ensure proper fit of bulb. See attached page for Socket Adjustment Instructions.

⚠ DANGER



RISK OF ELECTRICAL SHOCK OR ELECTROCUTION.

Always disconnect power to the pool light at the circuit breaker before servicing the light. Failure to do so could result in death or serious injury to installer, serviceman, pool users, or others due to electrical shock.

SECTION I. Replacing a lamp only.

1. Turn off main electrical switch or circuit breaker, as well as the switch which operates the Nicheless Light itself.
2. Unscrew the captive screw on the top of the light, then tilt the top of the light out from the wall and lift the bottom of the light out of the bracket. Unwind the excess cable that is stored in the back of the light.
3. Place the light face down on the deck. Be careful not to scratch the lens.
4. Remove the housing spacer from the back of the light.
5. With a Phillips head screwdriver, remove the 10 screws on the back of the light.
6. Turn the light over while holding the glass lens, remove the glass lens, plastic ring and lens seal.
7. To remove the lamp, first grasp it on the left side, (when looking at the front of the light in a horizontal position). Then push the lamp to the right, (compressing the spring in the lamp socket), until the left side of the lamp comes free from the fixed socket end.

⚠ WARNING

Be sure power is OFF before installing or removing lamp. Allow lamp to cool before relamping. This light fixture uses a Halogen Quartz lamp. Do NOT touch lamp with bare hands, this may severely reduce its life. Use the plastic furnished with the replacement lamp to eliminate finger prints from getting on lamp.

8. Install the new lamp by reversing the above procedure.

NOTE

Select proper lamp for either 12 volt or 120 volt applications.

9. Never reuse the old lens seal when reassembling any light. Replace with a genuine Pentair Pool Products AquaLumin II lens seal (P/N 78880200).

⚠ WARNING



Always install a new lens seal (P/N 78880200) whenever disassembling the light. Failure to do so may permit water to leak into the assembly which could cause (a) an electrical hazard resulting in death or serious injury to pool users, installers, or others due to electrical shock, or (b) breakage of the lamp or lens, which likewise could result in serious injury to pool users, installers, or others, or in damage to property.

10. Install the lens seal, lens and plastic face ring, (the lens must be placed with the word "TOP" to the top of the housing).
 - a. Partly tighten the screw at the 12 o'clock position and then partly tighten the screw at the 6 o'clock position.
 - b. Continue partly tightening all screws opposite from the one being worked on, (3 o'clock to 9 o'clock, etc.), until all screws are secured to 20 inch pounds of torque.
11. Install housing spacer on the back of the light.

Pentair Pool Products

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Because *reliability* matters most

⚠ WARNING

Never operate this Nicheless Light for more than 10 seconds unless it is totally submerged in water. Without total submersion, the light assembly will get extremely hot, which may result in serious burns or in breakage of the lamp or lens. This may result in serious injury to pool users, installers, or in damage to property.

12. Wind excess cord onto back of light and place light onto mounting bracket. Tighten special pilot screw.

⚠ WARNING

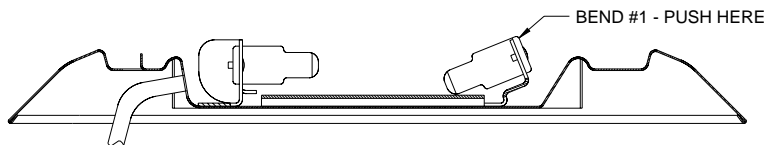


Use only the special stainless steel pilot screw provided with this Nicheless Light. This screw mounts and electrically grounds the housing securely to the mounting bracket. Failure to use the screw provided could create an electrical hazard which could result in death or serious injury to pool users, installers, or others due to electrical shock.

Socket Adjustment Instructions

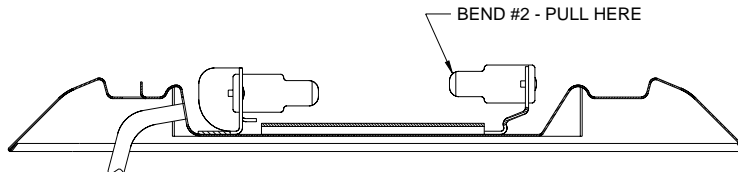
STEP 1 - PUSH SOCKET AS SHOWN IN FIGURE #1. BE SURE TO BEND THE CORRECT SOCKET.

FIGURE #1 - AQUALUMIN SOCKET POSITION
AFTER BEND #1 IS COMPLETED



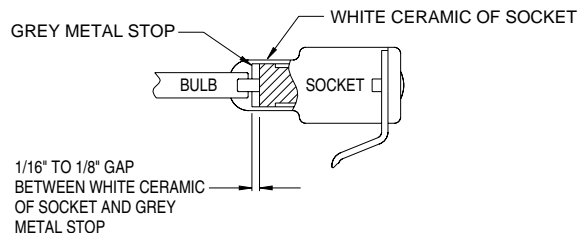
STEP 2 - PULL SOCKET AS SHOWN IN FIGURE #2.

FIGURE #2 - AQUALUMIN SOCKET POSITION
AFTER BEND #2 IS COMPLETED



STEP 3 - FOR PROPER CONTACT, BULB MUST BE UNDER COMPRESSION. TO ENSURE THIS COMPRESSION EXISTS, SPRING LOADED CERAMIC SOCKET SHOULD BE HELD 1/16" TO 1/8" OFF GREY METAL STOPS WHEN BULB IS IN PLACE.

FIGURE #3 - DETAIL OF FINAL AQUALUMIN
SOCKET POSITION



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