

- **Turn off power to machine**
- If there is a tension screw holding the lamp cover on to the Stainless Steel housing top nut loosen the screw just enough to free the lamp cover from the top nut & remove ground wire from Stainless Steel housing
- Carefully pull straight up on the cable until the entire lamp has been removed from the Stainless Steel housing.
  - Be careful not to hit/break the quartz tube inside the housing.
- Carefully remove current lamp from socket by pulling straight down
  - You might have to *SLIGHTLY* wiggle lamp from side to side
- Using a microfiber cloth or cotton gloves take the new lamp and insert lamp straight into the socket in the square head
  - The pins are not perfectly squared in position they are a slight rectangle, thus can only be inserted in 2 directions
  - Once the pins have been aligned with the socket correctly gently push pins into socket
- Carefully line up bottom of lamp with opening in Stainless Steel housing and slowly insert new lamp all the way
- If there is a tension screw gently tighten this to the housing top nut & re attach ground wire to Stainless Steel housing
- Turn on power & verify the Green LED light on the ballast is on
- Press and hold timer reset button for 10-15 seconds
- The LED display on the ballasts visual day count down clock should now read 365

2. How do I know if my Quartz tube is inserted properly

- 10" UV
  - Turn of power to your machine
  - Remove UV head and lamp from housing
  - Remove your UV housing assembly from the machine
  - Disassemble the housing so the only components still assembled are the black UV head with the Quartz tube O-Ring installed
  - Lube up the Quartz tube O-Ring with food grade grease
  - Lube up the **outside** of the Quartz tube from the opened end down approximately ½" down
  - Put the UV head down on a flat ridged surface so the bottom of the head is facing up
  - Using a microfiber cloth or cotton gloves carefully, yet firmly grasp the QZ tube in your hand about 2/3 on the way towards the top (open end)
  - Carefully but firmly insert the Quartz tube in to the UV head, past the Quartz tube O-Ring and stop once you have come in contact with the plastic stop lip in the UV head. Approximately ¼" past the O-Ring
    - You might have to give the Quartz tube a 1/4 twist to get past the O-Ring
  - Re assemble the UV completely & re install in machine
- 20" VU
  - Turn off power to your machine
  - Remove the lamp cover at top of the Stainless Steel housing
  - Remove lamp
  - Unscrew retaining cap on top & bottom of Stainless Steel housing



- Remove O-Rings from top & bottom of Quartz tube
- Remove Quartz tube that needs replaced
- Gently insert new Quartz tube
- Visually check to see if there is about 1/2" of the Quartz tube sticking out on both sides of the Stainless Steel housing
- Insert an O-Ring around the Quartz tube on both sides to make it water tight
- Firmly tighten plastic cap on to threaded ends on Stainless Steel housing
- Install UV lamp, lamp socket & lamp cover