

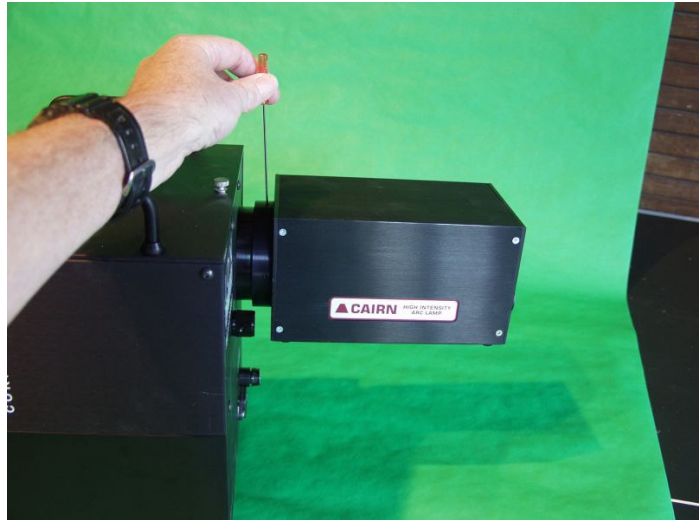
# Changing Xenon Bulb in Cairn Light Source

April 6, 2007

The following instructions explain the procedure required to replace the 75W bulb in the Cairn Housing.

## 1. Remove Xenon Housing from IonOptix light source

1. Use "red handle" hex tool (it's 1.5mm) to loosen set screw(s) that secure the housing to the light source coupling ring



2. Usually only 1 or 2 of the 4 set screws are used to hold the housing



## **2. Open Cairn Housing and Replace the Bulb**

4 screws hold the back plate of the housing. These need to be removed and the bulb-mirror-focusing assembly slides out of the rest of the housing

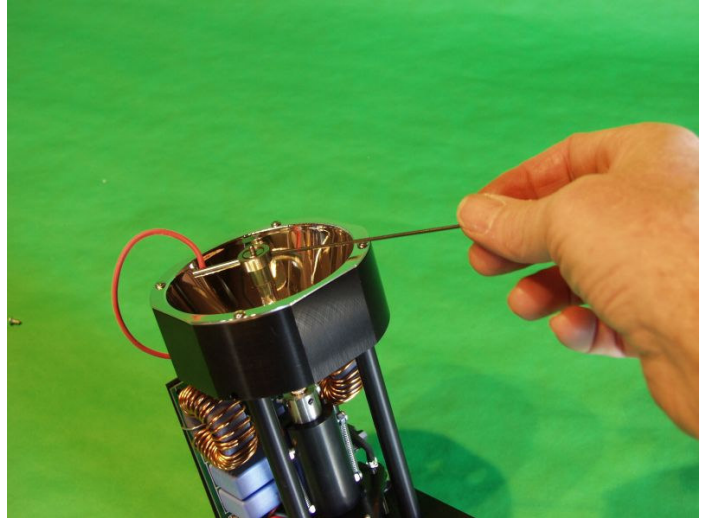
1. Remove 4 screws with Philips screw driver



2. Slide the rear plate out

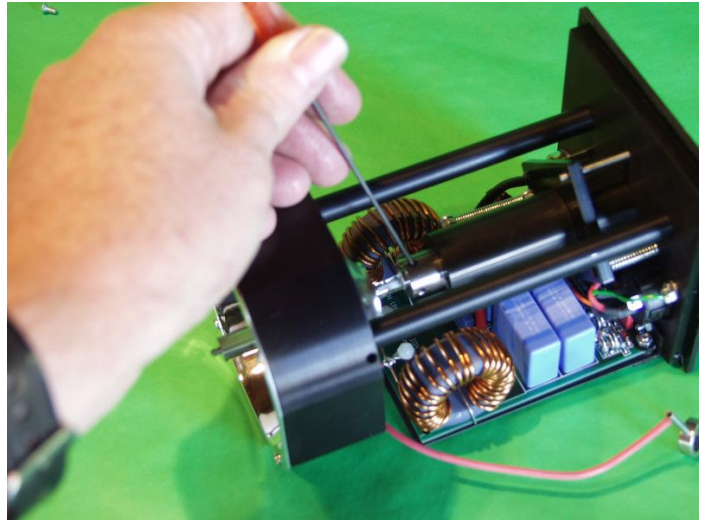


3. Loosen set screw that holds the cathode adapter



4. Loosen anode set screw and remove old bulb.

Reverse steps with new bulb



6. Point the stem of the cathode assembly towards the corner of the housing. This permits its wire to slide in more easily



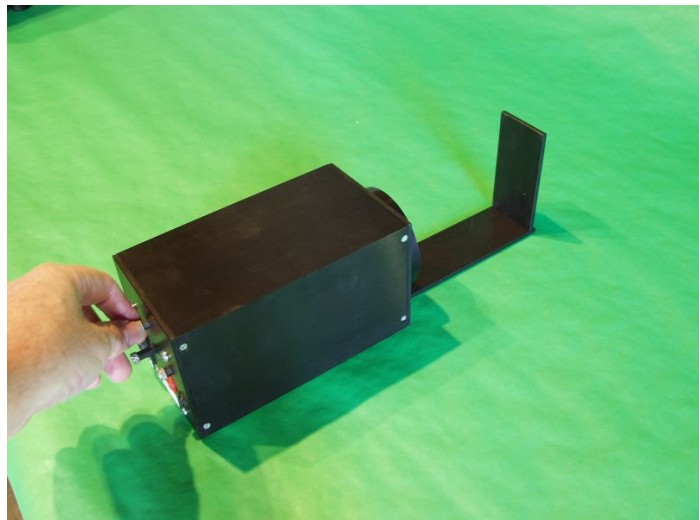
### **3. Focus new bulb**

The L-Shaped, Arc Focusing Jig is provided to make initial focusing of the xenon bulb easier.

1. Put the Cairn housing on the bench. Ignite the arc and place the Arc Focusing Jig against the front of the housing



2. Adjust the 3 silver focusing knobs on the back of the housing to achieve the smallest, centered spot on the Arc Focusing Jig.



### **4. Replace the Housing on the IonOptix Light Source**

Holding the housing tight against the coupling ring with one hand, use the other hand to tighten one or two of the set screws.