

INSTALLATION INSTRUCTIONS FOR LINEAR TUBES

**** WARNING ** HIGH VOLTAGES MAY BE PRESENT. INSURE THAT POWER IS OFF AND CAPACITORS ARE DISCHARGED BEFORE WORKING ON EQUIPMENT!**

General Instructions

Always handle a flash tube by grasping the metallic end caps. Never touch the glass section with bare hands because skin oils or other contaminants can shorten flash tube life.

PROCEDURE

Removal

1. Loosen two screws that hold each plate that covers each end of the flash tube on the optical assembly.
2. Disconnect the trigger wire at the ceramic post on the left side of the optical assembly viewed as in Figure 1.
3. The flash tube is supplied with connecting leads soldered to its ends. Loosen the screw on the end of each flash tube lead. See Figures 4 and 5.
4. At one end of the flash tube, use a slender, pointed tool between the end of the flash tube and the spring-loaded clip to pop the flash tube up and out of the clip. Do the same at the other end and carefully pull the flash tube out of the optical assembly.

Replacement

1. Determine the anode and cathode ends: the anode has red wire soldered to it and red ink or dye on the end of the tube. See Figure 2.
2. Ensure that the trigger extension wire has a short length of high voltage sleeving installed.
3. Insert the flash tube with the cathode end (no red ink) toward the trigger lead ceramic post.
4. Align the flash tube with the retaining clips at each end and roll it down into the clips one end at a time. Press only at the metallic end caps. Do not force it, if you press too hard the tube or the clips could break.
5. Attach the trigger wire (white insulation) at the ceramic post. Wrap the trigger wire around the screw underneath the captive washer as in Figure 3. Remove any excess wire and do not leave a tail extending from under the screw. Do not forcefully tighten the screw.
6. Attach the red anode wire to its connection directly above the tube mounting clip. See Figure 4.
7. Attach the black cathode wire of the flash tube to the screw on the upper end of the plate on the left side of the optical assembly viewed as in Figure 5.
8. Reinstall each plate on each side of the flash tube and tighten the screws.



Figure 1.

Ceramic Post

Trigger Wire

Cathode End

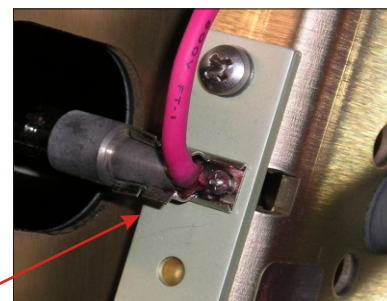
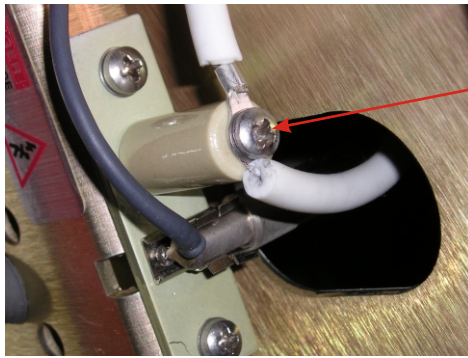


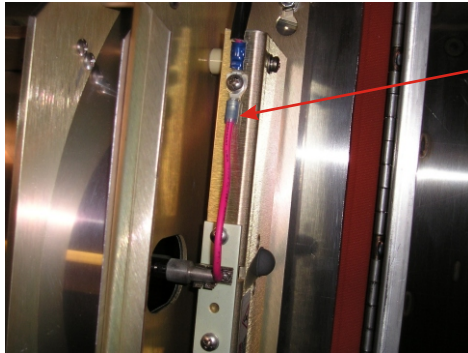
Figure 2.

Anode End



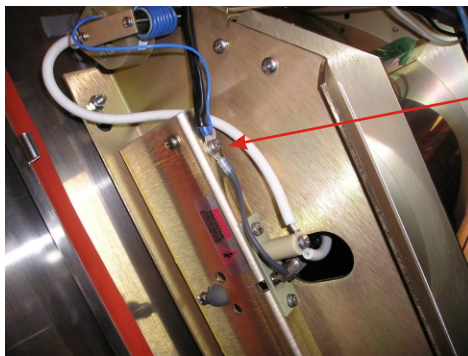
Trigger wire wrapped around screw underneath the captive washer. No Tail.

Figure 3.



Red Anode connection

Figure 4.



Black Cathode connection

Figure 5.