

Model 481-RF LED Versa Light Retrofit Install Procedure

Tools needed: Phillips screw driver, ½” wrench, Pliers, Needle nose pliers

Step 1. Unplug Light

Step 2. Remove Versa Light from mounting location and place on flat surface

Step 3. Remove bulb, bulb spring and socket

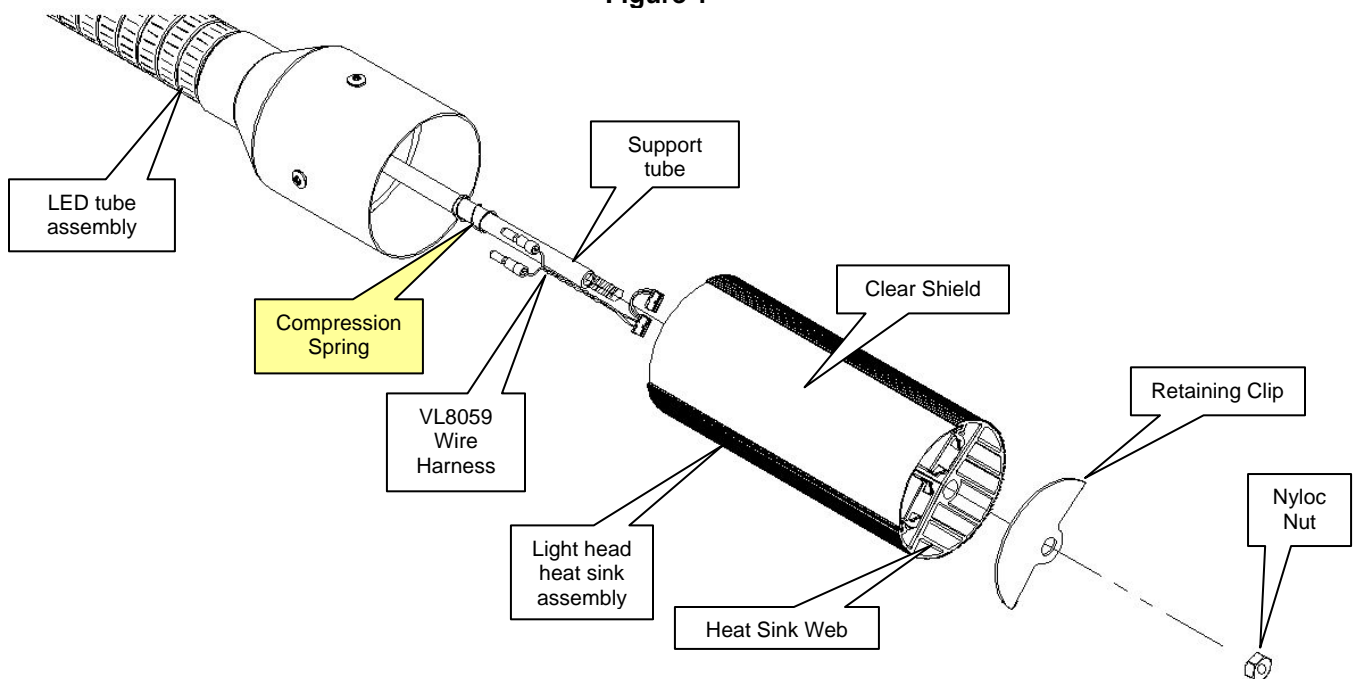
- A. Remove bulb from light by pulling bulb spring down out of shield groove.
- B. Disconnect bulb socket from the tube harness at the Bullet Connectors.

Step 4. Remove old flex tube from cabinet

Straighten the tube. Pull on tube while unscrewing counter clockwise from cabinet. If tube does not come out after 12 turns, put a small screw driver between tube and cabinet to keep tube spring from rotating with the tube. Discard the bulb, bulb spring, bulb socket and tube.

Step 5. Remove light head from new tube assembly

Figure 1



- A. Loosen Nyloc Nut using ½” wrench to remove light head assembly.
Caution: When removing Light Head, Compression Spring may fall off support tube.

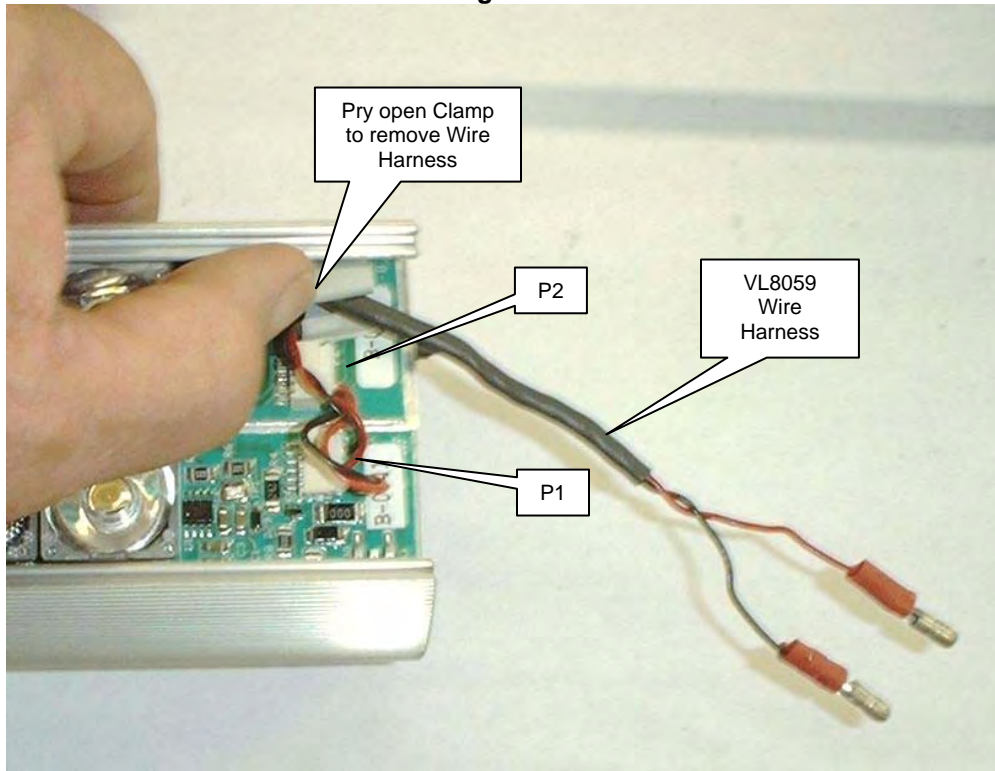
Step 6. Attach VL8059 Wire Harness to Tube Harness at Bullet Connectors

- A. Pull back on clear shield in the direction of the retaining clip and remove VL8059 Wire Harness from Adhesive mount Clip (Figure 2).

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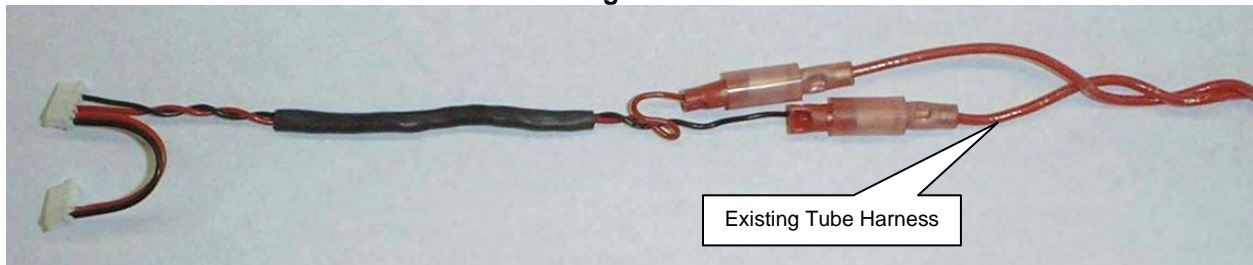
- B. Disconnect VL8059 Wire Harness from Light Head PC Board Assembly at P1 and P2.

Figure 2



- C. Plug VL8059 Wire Harness into existing Tube Wire Harness at Female Bullet Connectors (Figure 3).

Figure 3

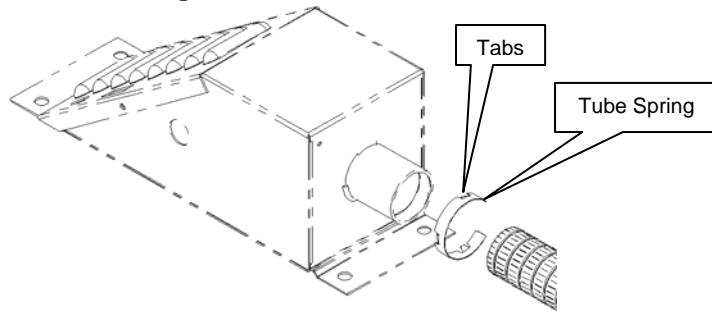


Step 7. Install new LED flex tube into cabinet

- Slide new LED tube assembly over both Tube Wire Harnesses.
- Push tube into cabinet. **NOTE:** If the tube does not push in with 15-20 Lb force then rotate tube and try again.
- Try to pull tube straight out. If tube pulls out then replace the tube spring. Tabs must be pointing into cabinet (Figure 4).

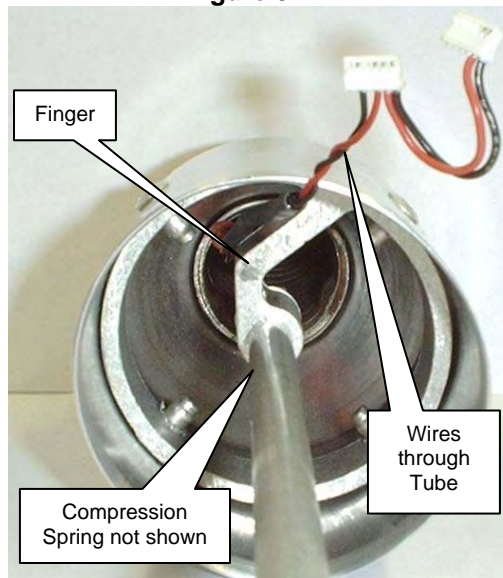
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Figure 4



D. Rotate tube so heat sink mount finger is pointing up (Figure 5).

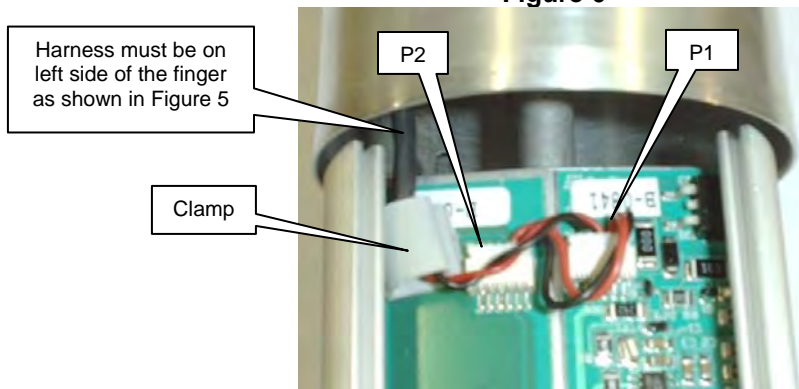
Figure 5



Step 8. Attach VL8059 harness to existing wires

- A. Ensure the Compression Spring is on the Support Tube. Slide the Light Head back over the Support Tube.
- B. Pull clear shield back. This provides room to attach wires.

Figure 6



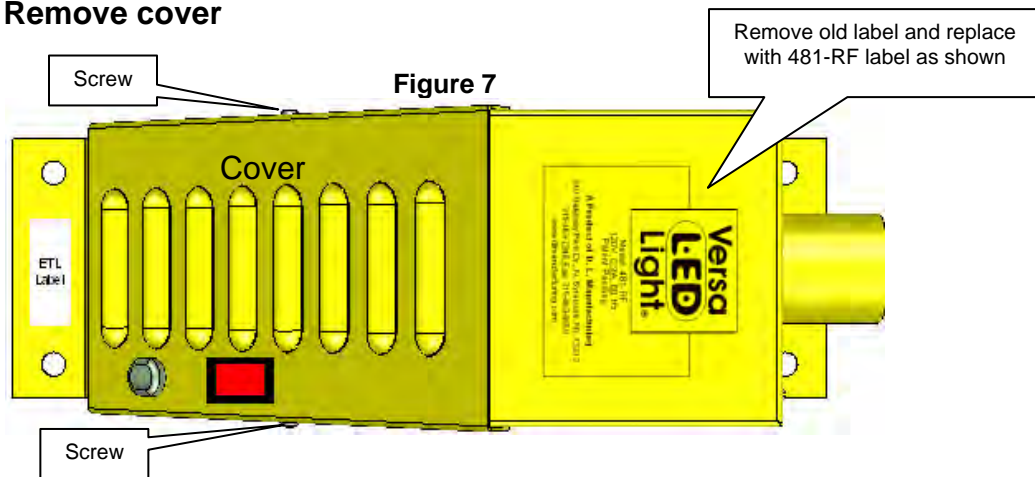
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- C. **Very Important.** Position Tube Harness wires in relation to the Finger and light head as shown in Figure 5. This positioning is critical because it prevents the wires from being pinched between the heatsink and the Finger by the tab extending from the rear of the heatsink.
- D. Plug the connector with (4) wires in it into P1. Plug the other connector into P2.
- E. Pry open the wire clamp (Figure 6) and feed the VL8059 Wire Harness into it.

Step 9. Reattach light head to LED tube assembly

- A. Slide shield back in until both ends are even.
- B. While referring to figure 1, slide the Light Head up against the Compression Spring and then position the Retaining Clip against the Heat Sink. The Retaining Clip Tabs should be within the confines of the Heat Sink Web. Attach the Nyloc Nut and Tighten with a ½” wrench to a maximum torque of 35 inch pounds.

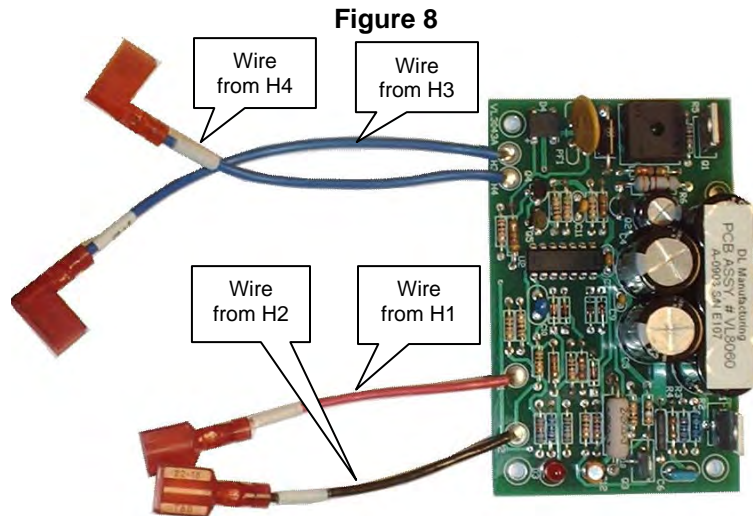
Step 10. Remove cover



- A. Remove cover by taking out two Phillips head screws (Figure 7). Do not remove the switch.

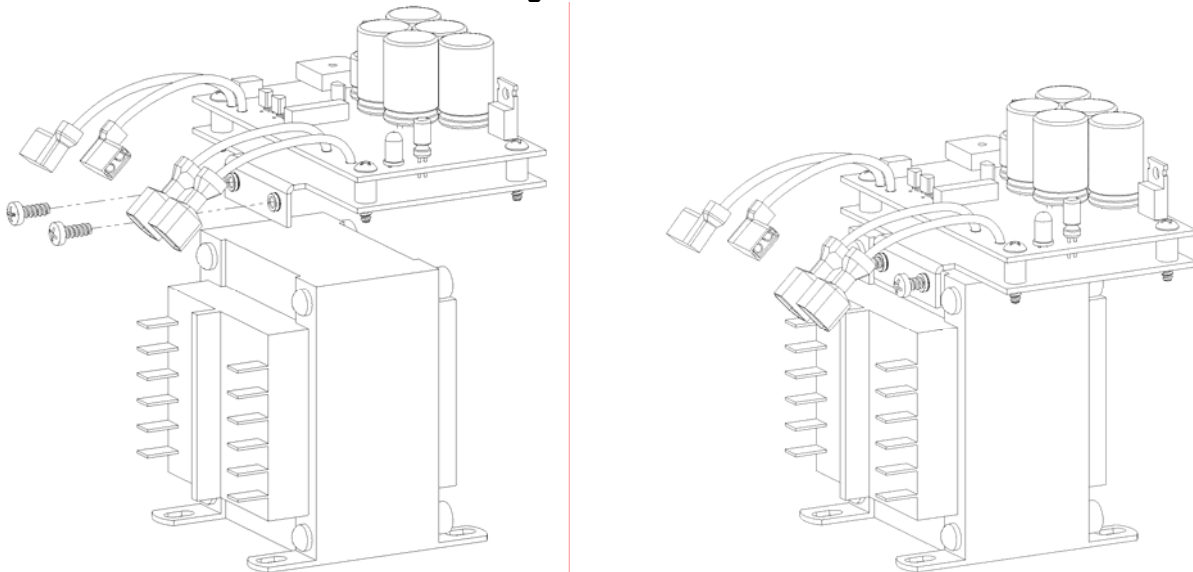
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Step 11. Install PC Board Assembly VL8060 (Wires from H1 & H2)



- A.** Place board assembly (Figure 8) over transformer, loosen screws until bracket sets on top of transformer then tighten screws to a maximum torque of 8 inch pounds. (Figure 9A & 9B).

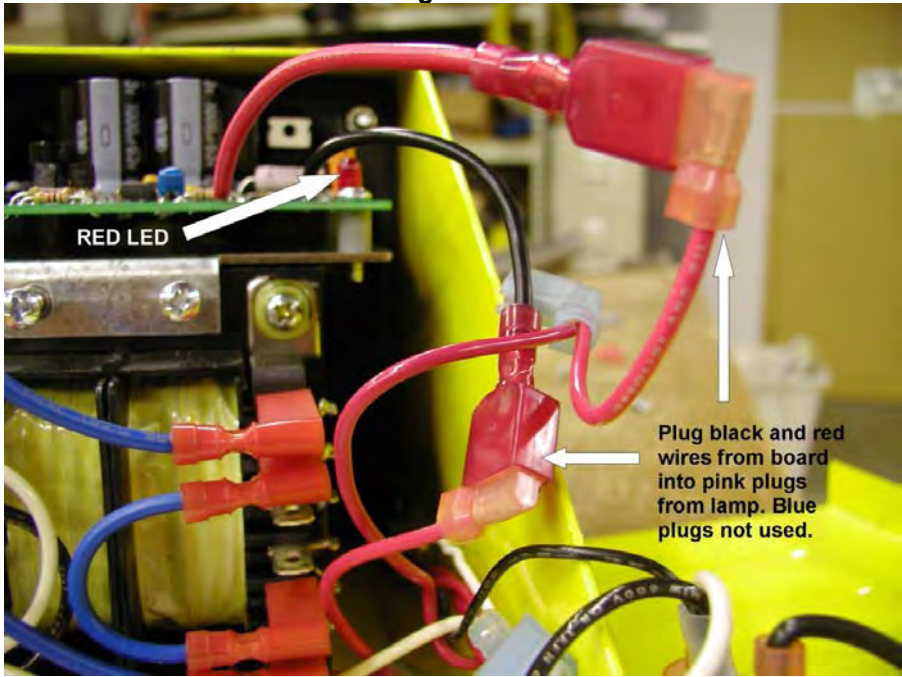
Figures 9A & 9B



- B.** Unplug red wires from transformer.
C. If Versa Light XL Model, remove black thermistor on center two tabs and wire harness.
D. Plug one red wire into red wire from H1. Second plug is not used. (Figure 10)
E. Plug the other red wire into black wire from H2. Second plug is not used. (Figure 10)

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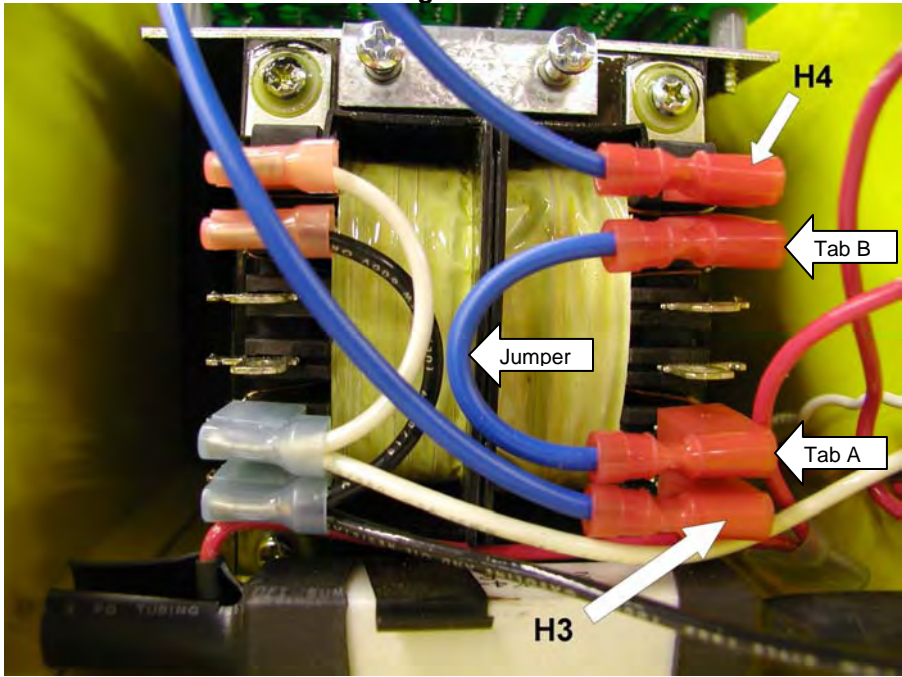
Figure 10



Step 12. Install PC Board Assembly VL8060 (Wires from H3 & H4)

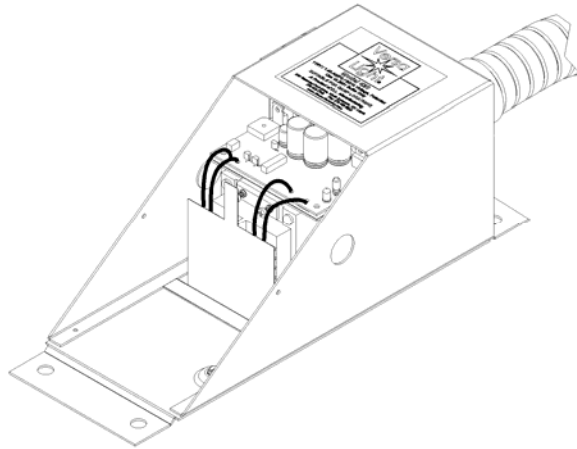
- A. Plug wire from H3 onto bottom right hand tab of transformer. (Figure 11)
- B. Plug wire from H4 onto top right hand tab of transformer. (Figure 11)
- C. Plug jumper onto tabs A & B. (Figure 11)

Figure 11



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Figure 12 VL8060 Installed in Cabinet



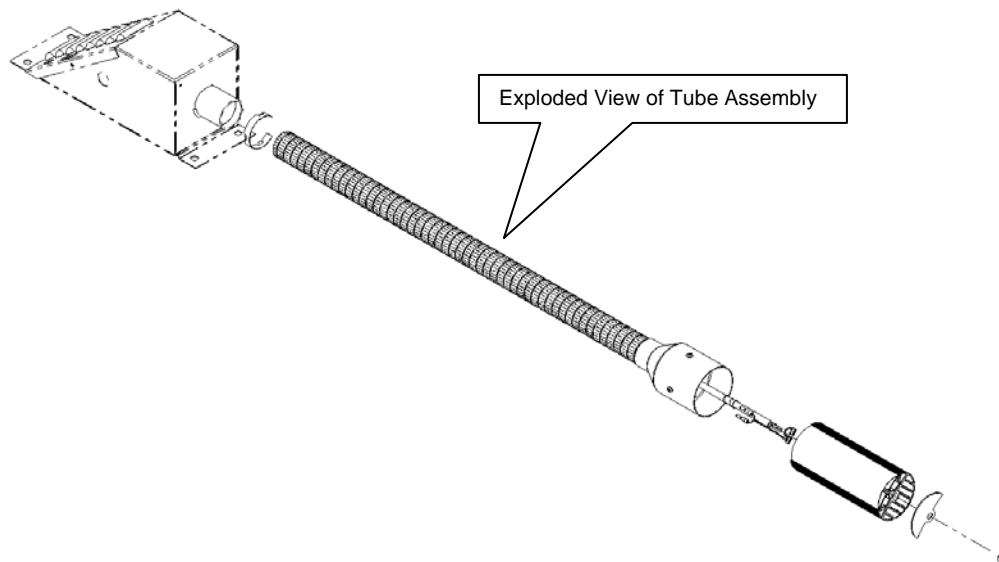
Step 13. Testing procedure

- A. Plug into outlet and turn switch on. The light should turn on.
- B. If light does not come on, check to see if the Red LED on the PC Board assembly is on (see figure 10 for Red LED location).
- C. If the Red LED is on, unplug light from the outlet and swap wires that are connected to the Red and Black wires coming from the PC Board assembly.
- D. Plug light back into outlet. The Red LED should now be off and the light should be on.
- E. Unplug light and reattach the cover with the Phillips head screws.

Step 14. Put on labels

- A. Remove the label and replace with Model 481-RF label (see figure 7).
- B. Put a blank label over the ETL label if there (see figure 7).

Step 15. Remount light to wall



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Basic Wiring Diagram

