

# 255 Light Cross Tube Installation

[002-10299-00]

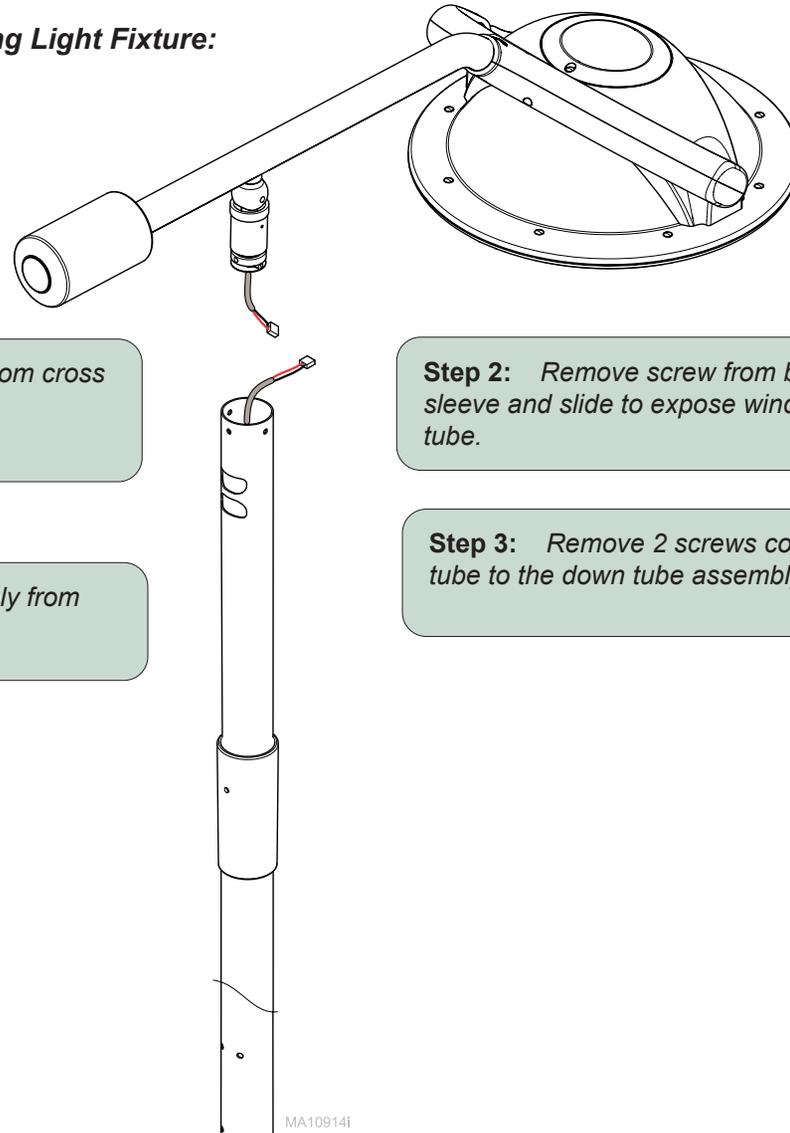
**Applies to Models:**  
255 (-005, -007, -025, -027)  
**Special Tools:**  
None



**Warning**

Always turn OFF light then disconnect power before removing covers. Failure to do so may result in personal injury.

**Disassemble Cross Tube from existing Light Fixture:**



**Step 1:** Remove 4 screws to detach yoke covers from light head. Remove 2 screws to detach light head assembly from cross tube. Disconnect wire harness connection to remove lighthouse.

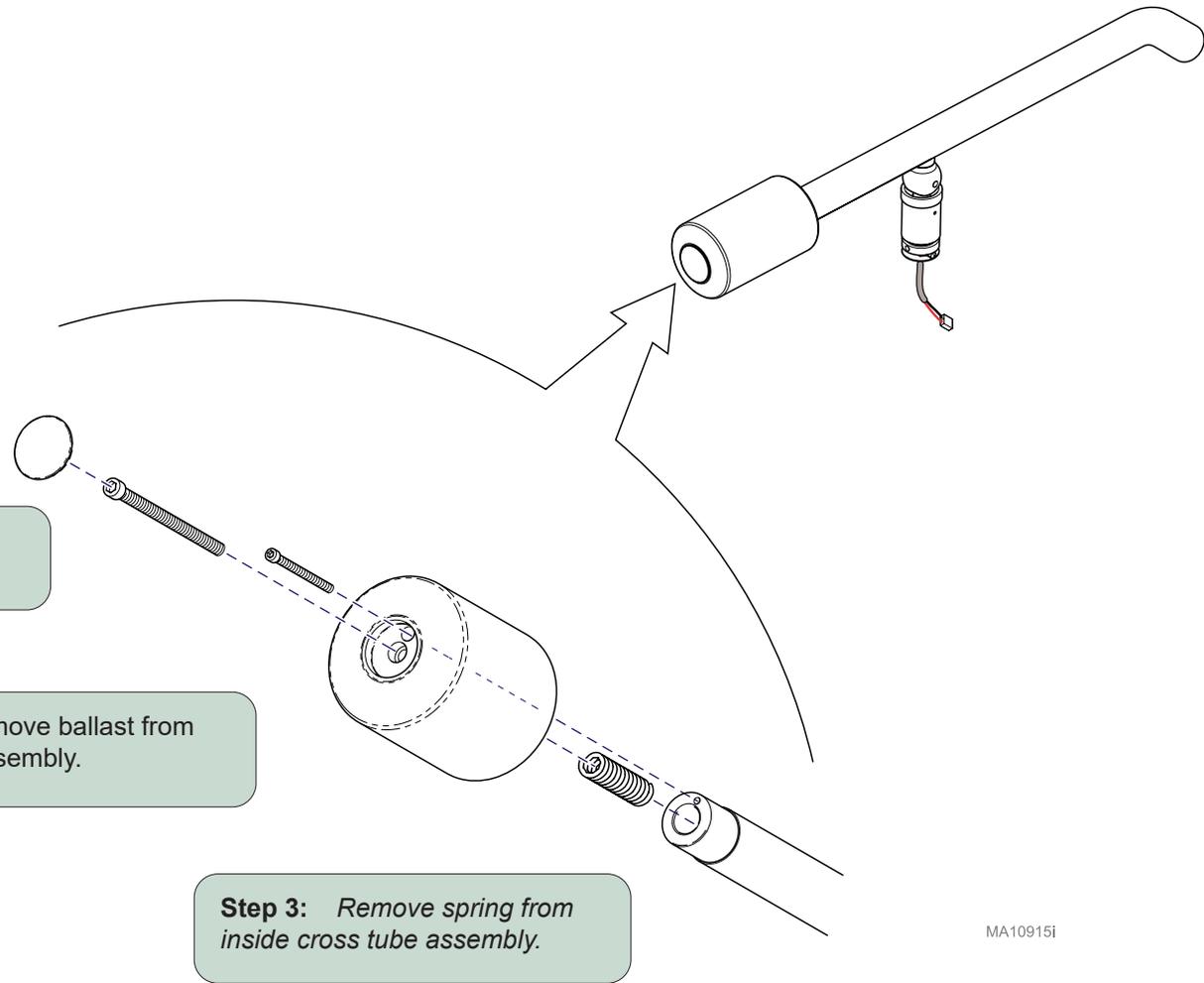
**Step 4:** Unplug light head harness from cross tube wire connector and harness.

**Step 2:** Remove screw from ball pivot sleeve and slide to expose windows in tube.

**Step 3:** Remove 2 screws connecting cross tube to the down tube assembly.

**Step 5:** Remove cross tube assembly from down tube assembly.

**Remove Ballast from Cross Tube:**



**Step 1:** Remove hole plug and 2 screws from ballast.

**Step 2:** Remove ballast from cross tube assembly.

**Step 3:** Remove spring from inside cross tube assembly.

**Step 4:** Keep parts for new cross tube assembly.

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**Re-assemble Cross Tube Assembly:**

**Step 6:** Plug in wire connector from light head assembly to cross tube assembly wire connector. Attach light head to cross tube with 2 screws and thread locking liquid. Screw 4 screws connecting yoke covers to light head and cross tube assembly.

**Step 5:** Add labels to cross tube.

**Step 7:** Connect cross tube wire harness to down tube wire harness. Push wires into down tube.

**Step 8:** Slide cross tube assembly onto down tube assembly. Screw 2 screws connecting cross tube to the down tube assembly.

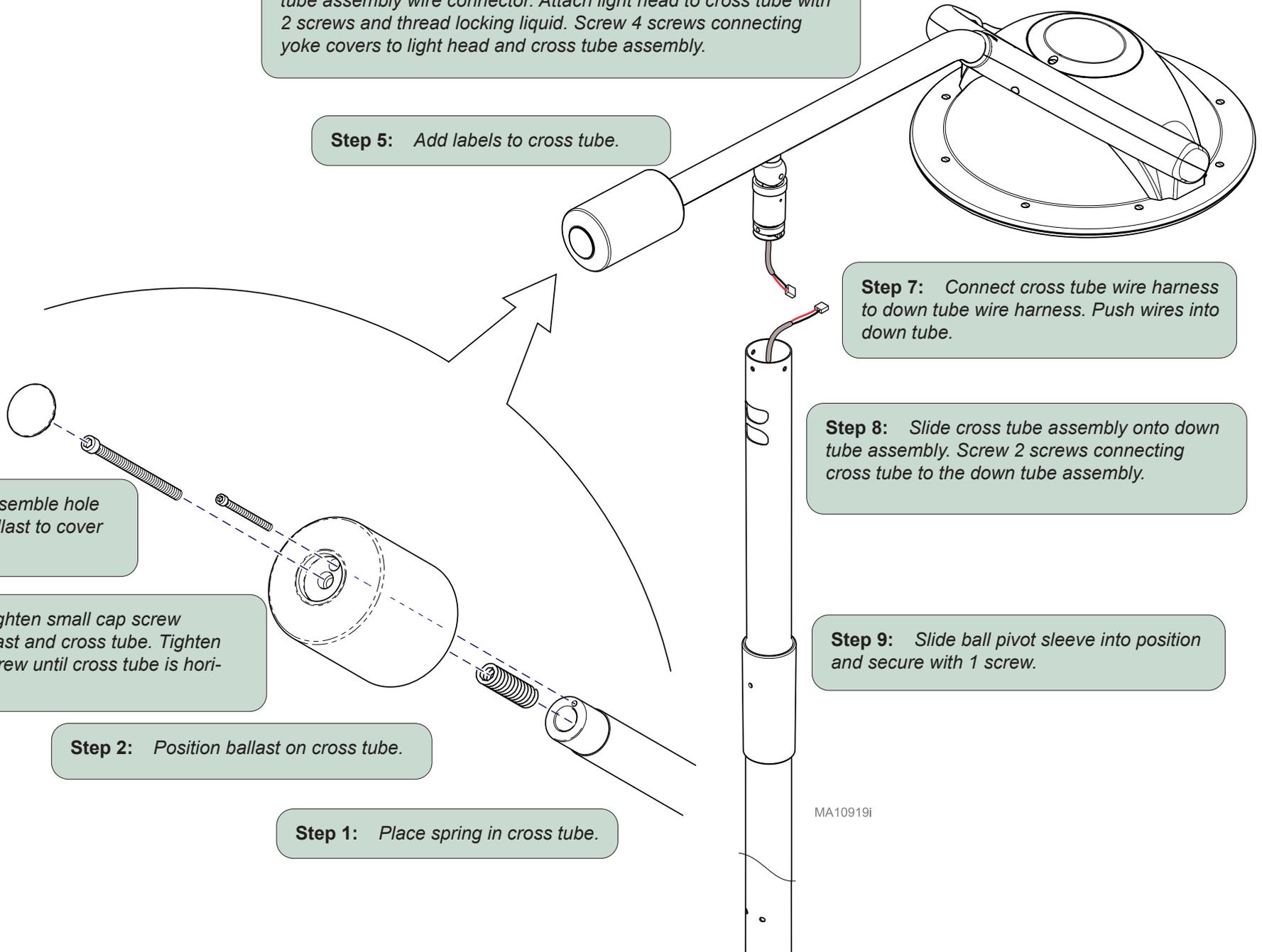
**Step 9:** Slide ball pivot sleeve into position and secure with 1 screw.

**Step 4:** Assemble hole plug onto ballast to cover cap screws.

**Step 3:** Tighten small cap screw through ballast and cross tube. Tighten large cap screw until cross tube is horizontal.

**Step 2:** Position ballast on cross tube.

**Step 1:** Place spring in cross tube.



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**Final Step: Connect light to power source then verify operation...**

- A) Turn power button ON
- B) There should be an evenly distributed circular pattern of bright light, approximately 7.5" inches in diameter.
- C) Rotate the lighthouse, cross tube, through their range of motion. Release the lighthouse at different positions.
- D) The lighthouse should be able to be positioned easily through entire range of motion. When the lighthouse is released no drifting should occur at any axis.
- E) If any problems are discovered, refer to the troubleshooting guide for adjustment and repair tips.

