

Rope Light Replacement

ALWAYS DISCONNECT ANY ELECTRICAL APPLIANCE BEFORE ATTEMPTING ANY REPAIRS

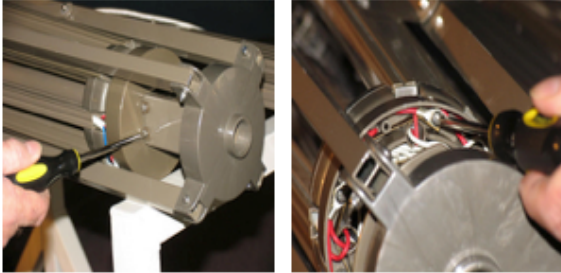


1

STEP 1: PREP

- Tools needed: 3' of fishing line or string
- Lay the umbrella frame on its side with the rib with the defective rope light facing up [1]

STEP 2



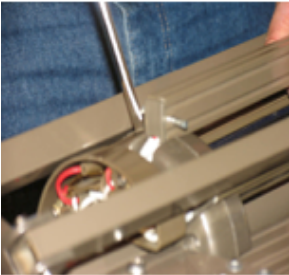
2A



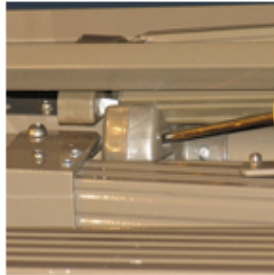
2B

- Remove the electrical box from the upper center hub [2A]
- Locate the two (2) wires from the damaged rib. Disconnect the **red** wire from the outside ring and the **white** wire from the inside ring [2B]
- Attach a 3' piece of fishing line or string to the two (2) wires before removing the rope light. Remove the rope light from the rib frame, then carefully pull the rope light from the electrical box

STEP 3



3A



3B

- Attach the fishing line/string to the new wires. Pull the wires through the hub and into the electrical box [3A]
- Replace the rope light into the rib frame [3B]

STEP 4



4A



4B

- Connect the **red** wire to the outside ring and the **white** wire to the inside ring [4A]
- Place the cover on the electrical box and secure [4B]

STEP 5

- Place the umbrella into its base. Slowly open and close the umbrella to test the rib
- Plug the transformer in and test the lights while the canopy is fully opened

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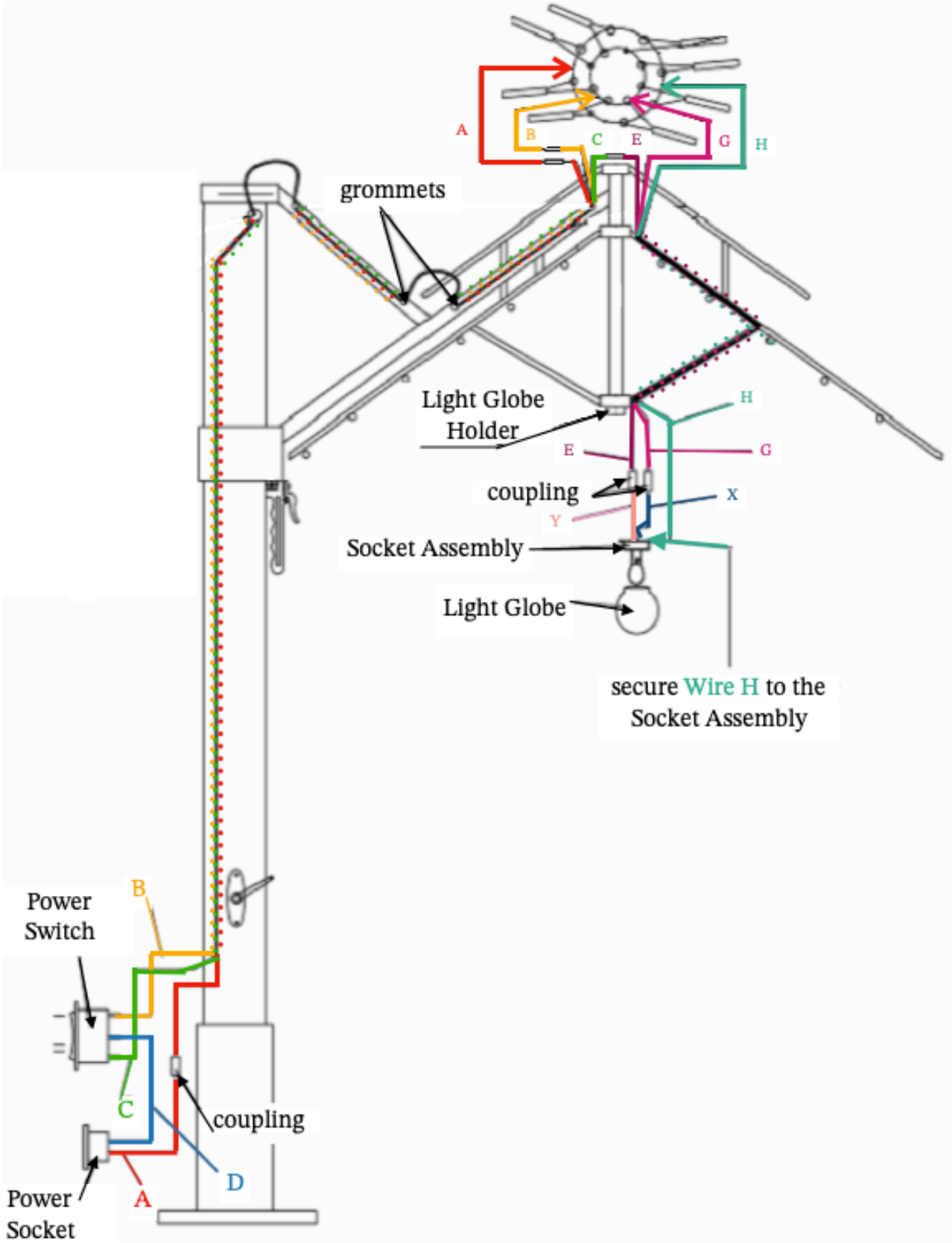
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Electrical Troubleshooting

ALWAYS DISCONNECT ANY ELECTRICAL APPLIANCE BEFORE ATTEMPTING ANY REPAIRS



Wire Layout

- **Main Post**

- **Wire A** is connected to one terminal on the Power Socket
- **Wire B** corresponds with Power Switch Setting I (- -)
- **Wire C** corresponds with Power Switch Setting II (==)
- **Wire D** is connected to the other terminal on the Power Socket and to the center terminal of the Power Switch

- **Appliance Mantle**

- **Wire A** (from the Lower Support Arm) is connected to the Outside Ring
- **Wire B** (from the Lower Support Arm) is connected to the Inside Ring
- **Wire C** (from the Lower Support Arm) is connected to **Wire E** (from the Long Rib)
- **Wire G** (from the Long Rib) is connected to the Inside Ring
- **Wire H** (from the Long Rib) is connected to the Outside Ring

- **Light Globe**

- **Wire E** is connected to **Wire Y** at the Socket Assembly
- **Wire G** is connected to **Wire X** at the Socket Assembly
- **Wire H** is connected to the Socket Assembly

When the lights are operating correctly, the switch positions are:

- Setting I: (- -) moon light is on and bright, star lights are off
- Setting II: (==) moon light is on and dim, star lights are on

Problem: Moon light is off, but star lights are on when the switch is on Setting II (==).

1. Check the two (2) wires on the light globe holder and the socket assembly. Verify that **Wire E** and **Wire Y** are properly connected to each other at the coupling. Verify that **Wire G** and **Wire X** are properly connected to each other at the coupling. Verify that the wires are not loose, broken, or damaged in any way.
2. Check the weld of **Wire X** and **Wire Y** on the socket assembly. Verify that the wires are not loose, broken, or damaged in any way. Re-weld or replace the wire(s) if necessary.
3. Verify that **Wire C** and **Wire E** are properly connected to each other at the coupling in the appliance mantle. Verify that the wires are not loose, broken, or damaged in any way.
4. Verify that **Wire H** is properly connected to the socket assembly. Verify that the wires are not loose, broken, or damaged in any way.
5. If everything looks good and the lights are still not working properly, please contact us for further assistance.

Problem: Star lights are off, but moon light is on when the switch is on Setting II (==).

1. Verify that **Wire B** (outside the appliance mantle) is properly connected at the coupling. Verify that the wires are not loose, broken, or damaged in any way.

2. Verify that **Wire B** and **Wire G** are firmly connected to the Inside Ring in the appliance mantle. Verify that the wires are not loose, broken, or damaged in any way.
3. Verify that **Wire A** and **Wire H** are properly connected to the Outside Ring in the appliance mantle.. Verify that the wires are not loose, broken, or damaged in any way.
4. If everything looks good and the lights are still not working properly, please contact us for further assistance.

Problem: Moon light and star lights are off when the switch is on Setting I (- -) and Setting II (==).

1. Verify that **Wire B** (outside the appliance mantle) is properly connected at the coupling. Verify that **Wire C** and **Wire E** are properly connected to each other at the coupling. Verify that **Wire A** is properly connected to the coupling. Verify that the wires are not loose, broken, or damaged in any way.
2. Verify that **Wire B** and **Wire G** are properly connected to the Inside Ring. Verify that **Wire A** and **Wire H** are properly connected to the Outside Ring. Verify that the wires are not loose, broken, or damaged in any way. Verify that all screws are tight - re-tighten if necessary.
3. Verify that **Wire E** and **Wire Y** are properly connected to each other at the coupling. Verify that **Wire G** and **Wire X** are properly connected to each other at the coupling. Verify that the wires are not loose, broken, or damaged in any way.
4. Verify that **Wire H** is properly connected to the socket assembly. Verify that the wires are not loose, broken, or damaged in any way.
5. Check the weld of **Wire X** and **Wire Y** on the socket assembly. Verify that the wires are not loose, broken, or damaged in any way. Re-weld or replace the wire(s) if necessary.
6. Verify that **Wire B**, **Wire C**, and **Wire D** are properly connected to the Power Switch. Verify that the wires are not loose, broken, or damaged in any way.
7. Verify that **Wire A** and **Wire D** are properly connected to the Power Socket. Verify that the wires are not loose, broken, or damaged in any way.
8. Check the transformer for external damage. Check the power: the input AC power is 110V/220V, the output DC power is 12V. Verify that the wires are not loose, broken, or damaged in any way.
9. If everything looks good and the lights are still not working properly, please contact us for further assistance.

Problem: Star lights on one (1) individual arm/rib are not working.

1. Verify that the two (2) wires of the arm/rib are firmly connected to the two (2) connecting rings. Verify that the wires are not loose, broken, or damaged in any way. Verify that all screws are tight - re-tighten if necessary.
2. Verify that the rope light is not broken or damaged in any way. Replace if necessary.
3. If everything looks good and the lights are still not working properly, please contact us for further assistance.

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