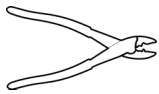




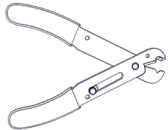
# Replacement RGB LED Cord Splice Instructions

for Kasco Models  
347033, 347034

## SUGGESTED TOOLS



Crimpers



Wire strippers



Adjustable wrench

## PARTS INCLUDED

Description	Qty	Part Number
Cable splitter, 3-way	1	347010
Cable splitter, 4-way	1	347011
Cable joiner	1	347220
Small gland cord grip	1	347221
Large gland cord grip	1	347222
Reducing crimp splice	4	347035
Small heat shrink tube	4	150567
Large heat shrink tube	3-4	347007
Potting compound	1	636444
Potting nozzle	1	341223
Plunger	1	341222
Cable splitter cap	3-4	345033

Refer to your original LED light kit owner's manual for complete light kit instructions.

## IMPORTANT SAFETY INFORMATION

Read and follow these important safety and handling instructions. Following these instructions will help ensure your safety and the quality performance of your equipment.

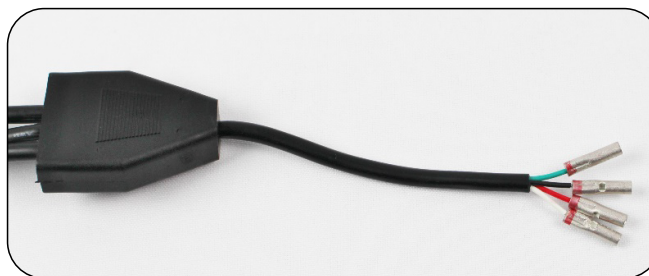
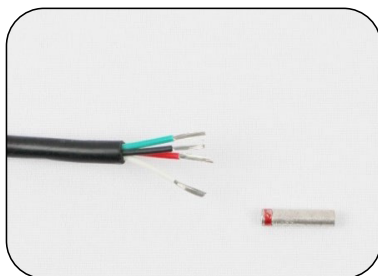
- Under NO circumstances should anyone enter the water with the electrical equipment plugged in and/or in operation.
- Disconnect all equipment from electrical service prior to any maintenance or service work.
- Use extreme caution around water, especially cold water, as in spring, fall, and winter, which poses a hazard itself.
- NEVER lift or drag the fountain or light kit by the power cords. To pull the unit to the side of the pond, use the anchoring ropes.
- Do not use waders in ponds/lakes that are deep, with drop-offs, drastic slopes, or soft bottom material.
- Do not use a canoe or boat that tips easily during installation.

**INSTRUCTIONS**

1. Prepare the wires on the main power cord by removing 1-1/2" of the outer cord jacket, leaving the black, white and green conductors exposed. Cut the green wire all the way back to the jacket. Strip the conductor insulation on the black and white wires back, leaving the copper wires exposed 1/4".



2. Crimp the red stripe end of the splice connectors onto each of the splitter cord wires.



3. Insert the large gland cord grip in one end of the cable joiner and tighten.



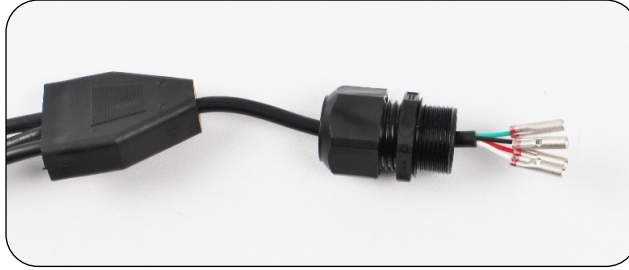
4. Slide the cable joiner over the main power cord (cord grip end goes on first).



5. Slide one shrink tube over each of the wires.

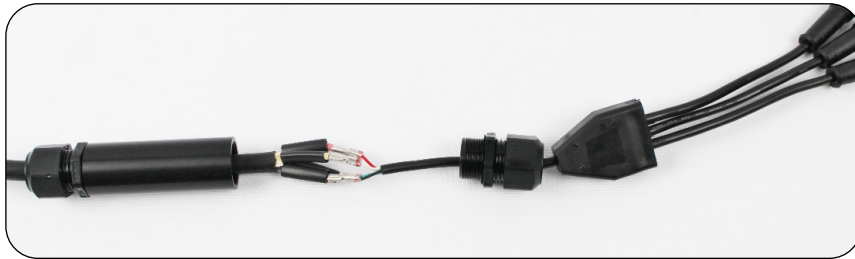


6. Slide the small gland cord grip onto the splitter cord.

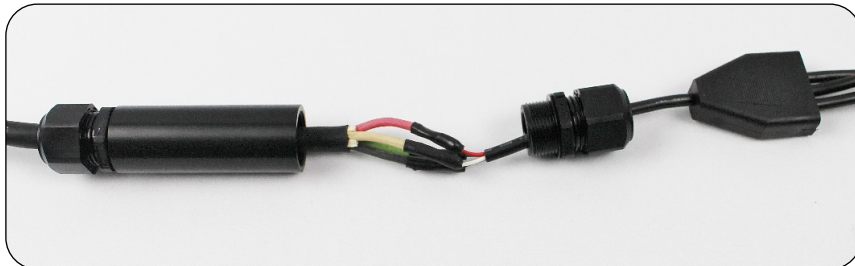


**IMPORTANT:** Make sure all cord grips and shrink tubing is installed before the final crimping of the cord wires.

7. Crimp the white wires together from the main power cord and the splitter. Repeat for the red, black and green wires.

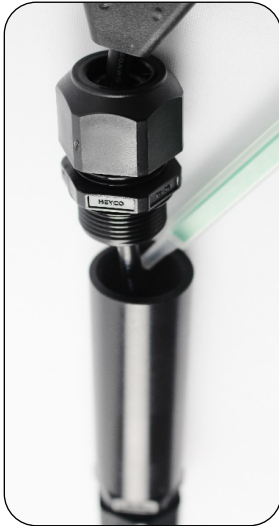


8. Slide the shrink tube over the connectors so it covers all the exposed wires and crimp connections. Heat the shrink tubing until it is tight around the connections.



9. Center the cable joiner over the wires. Then tighten the cord grip nut on the main power cord side so that it is tight on the power cord.





10. Hang the cord in a vertical position with the open end of the cable jointer (splitter side) on top. Use the potting kit to fill the inside of the cable jointer making sure the potting completely covers the black jacket of the splitter cord.

11. Screw in the small gland cord grip (splitter side) into the cable jointer completely and tighten cord grip nut to splitter cord making sure no wires are exposed on either side of the cable jointer assembly. Let it sit for 30 minutes while the potting cures.



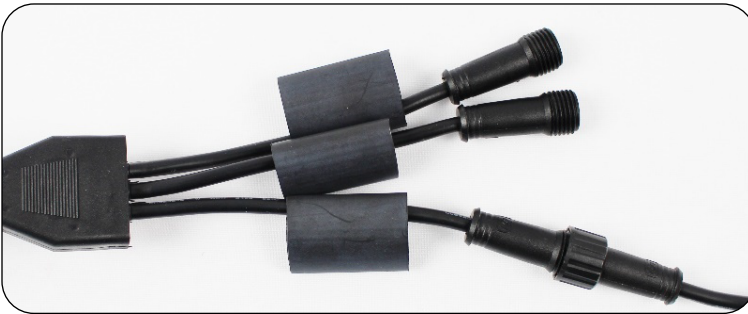
**Reconnecting the RGB light fixtures to the splitter**



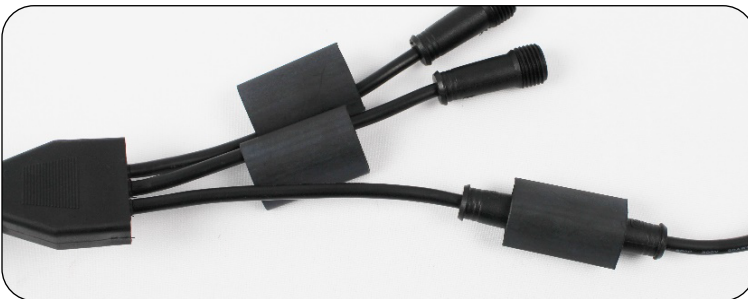
**PARTS OVERVIEW**



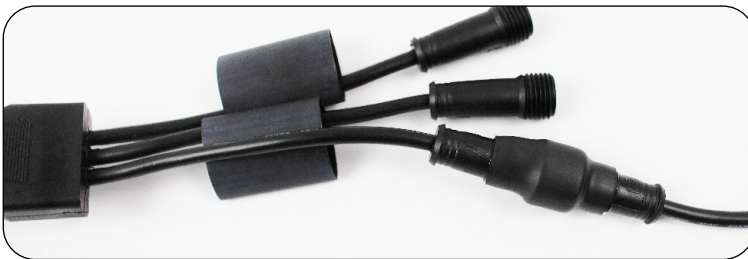
12. Confirm the o-ring is present on the male (fixture) side of the connection. The connection will not be water-tight without it.
13. Slide a large 1" piece of shrink tube over each of the female connectors of the splitter and slide it down towards the splitter, exposing the connector for assembly.



14. Connect the fixture connectors to the splitter connectors. Slide the nut from the fixture half of the connector over until it engages the threads on the splitter half of the connector. Turn clockwise to secure the two halves snugly together. (Note: Over-tightening may damage components)



15. Slide the shrink tube over the cord connection and center it on the connection.



16. Use a heat gun to shrink each tubing down to secure the connection and create an additional seal against water intrusion. (Do not apply excessive heat directly to shrink tube or assembly, as overheating may result in damage to components.)

Light kit power cord assembly is now ready for installation.

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