

55 Great Jones Street New York NY 10012 212 473 2501

From Grand Brass (www.grandbrass.com):

- **a.** 3 candelabra sockets. Item SO20025-IC.
- **b.** 3 candelabra socket cups. Item CU577BR.
- c. 3 couplings. Item NE449NP.
- d. 3 friction swivels. Item SV140.
- e. 2 cluster bodies. Item BOT2.
- **f.** 3 large swivels with teeth. Item SV100.
- g. 1 cluster body with no side holes. Item BOSOX8.
- h. 2 straight back tee. Item AB470
- i. 6 bead nuts. Item NU430.
- i. 12 feet cloth covered wire. Item WITWISTGREY.
- k. 2 cast iron flanges. Item FLCROW
- **I.** 1 1.5" coupling. Item NE 475

arms:

- 1 3" arm. Item PIBPO3
- 2 3.5" arm. Item PIBPO3.5
- 1 4" arm. Item PIBPO4
- 2 6" arm. Item PIBPO6
- 1 7" arms. Item PIBPO7
- 1 13" arm. Item PIBP13

(not shown, various other parts):

- 1 plug. Item PL183W
- 6 nipples, 1/2" long. Item NI0-1/2x1/8.
- 2 blue wire nuts. Item WINUTB.
- 2 grey wire nuts. Item WINUTG.
- Electrical tape. Item TAE60.

From McMaster-Carr (www.mcmaster.com):

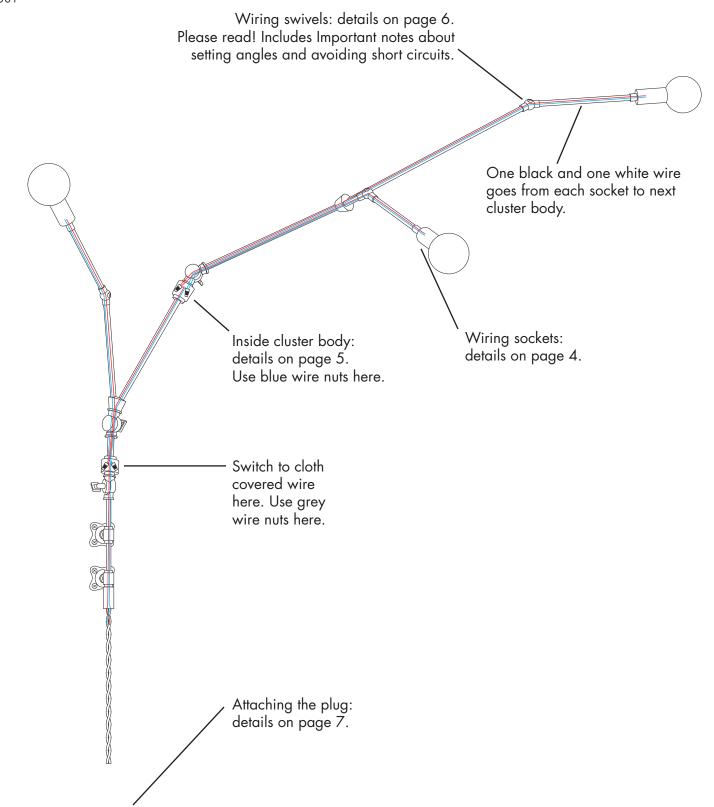
- 25 feet white wire. Item 7587K954.
- 25 feet black wire. Item 7587K951.
- Heat shrink tubing. Item 7864K22.

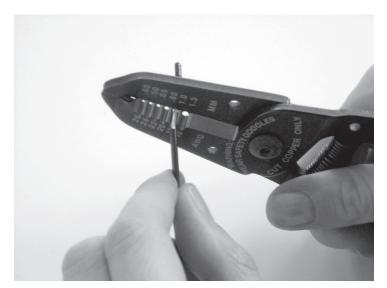
From House of Antique Hardware (www.houseofantiquehardware.com):

4 Small round carbon filament candelabra base bulbs. Item R-010KC-CNDL-RND.

Tools needed:

Wire strippers Needlenosed pliers Flat head screwdriver Lighter or hairdryer for heat shrink tubing

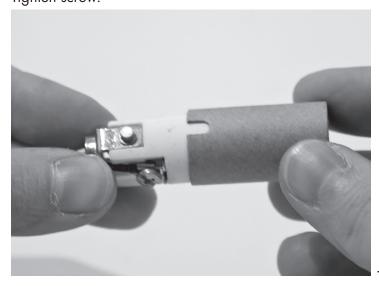




Strip wire and twist the ends.

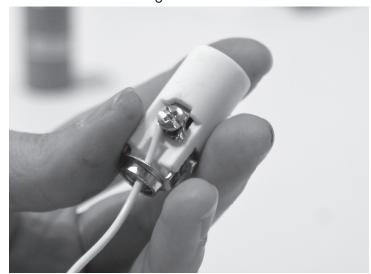


Tighten screw.





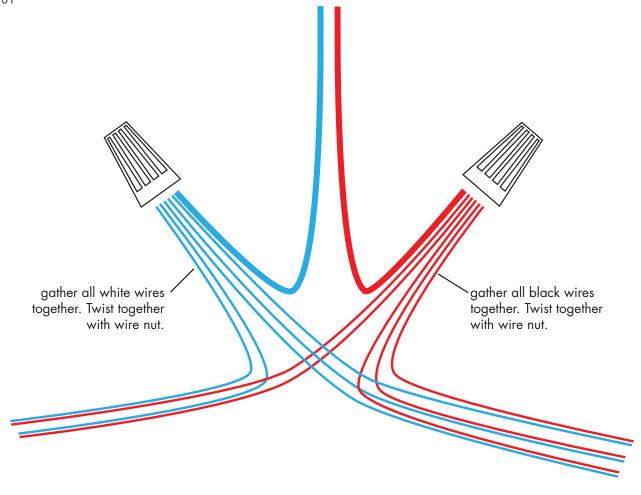
Hook black wire aroung GOLD screw.



Do the same for the white wire and SILVER screw.

INSIDE THE CLUSTER BODY

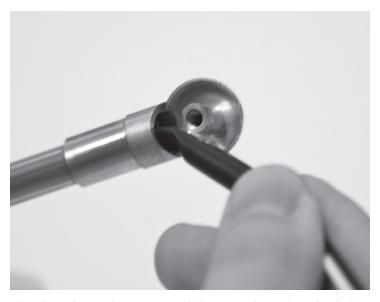
LINDSEY ADELMAN STUDIO



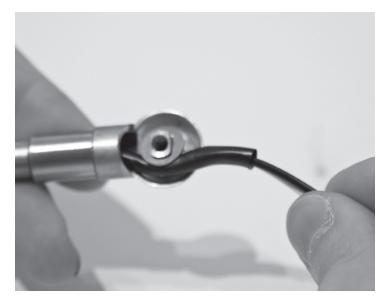




Slip heat shrink over wires. Shrink a little bit nearest the swivel, using a hair dryer or lighter. BE CAREFUL NOT TO BURN THE WIRES – move the lighter quickly and stop as soon as tubing has shrunk.



Slip the tubing down toward the swivel, so that the little shrunken bit goes inside the swivel.

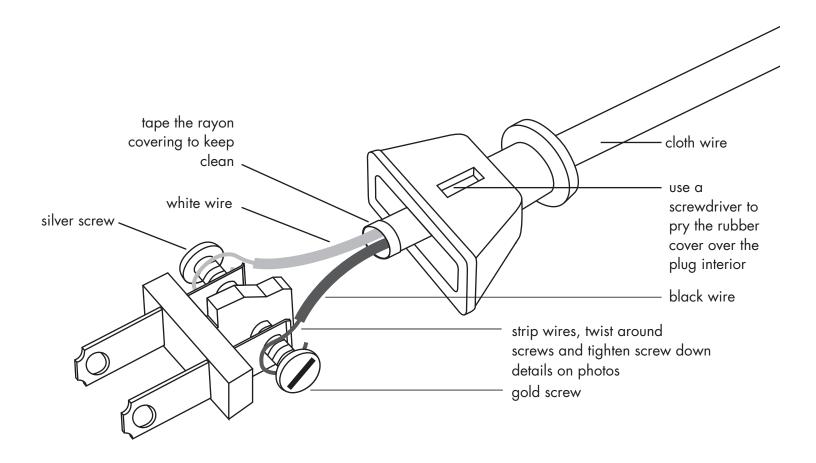


Bend wires and push them into the cavity of the swivel. Place washer over wires. It is best to set your angle now and not change – too much swiveling back and forth can cut the wires and cause a short cicuit.



Place the second half of the swivel on and tighten with the screw, making sure not to trap any wires between the two halves.

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