



594 Blackstone Street -- P.O. Box 206 -- Uxbridge, MA 01569

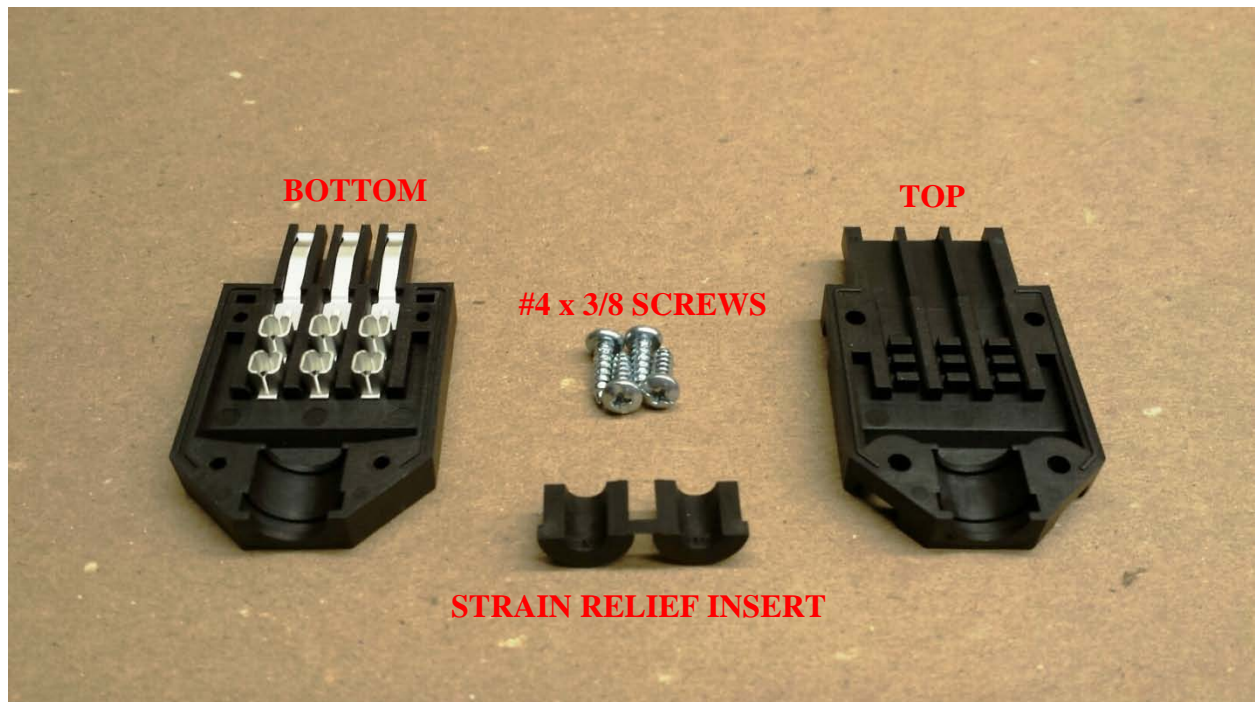
Tel 508-278-2199 Fax 508-278-5887

Email: tech@portatree.com Web Site: WWW.PORTATREE.COM

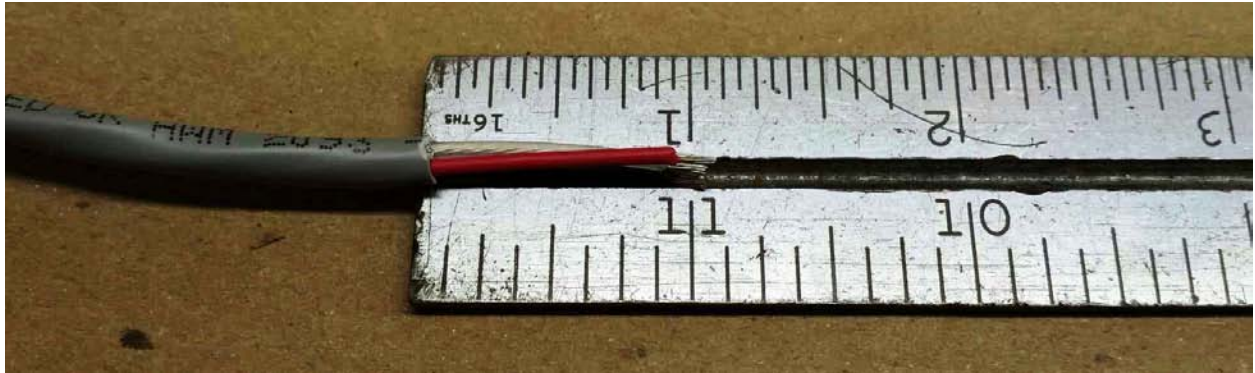
Portatree Unisex 3-Place Connector Kit

One complete connector will consist of:

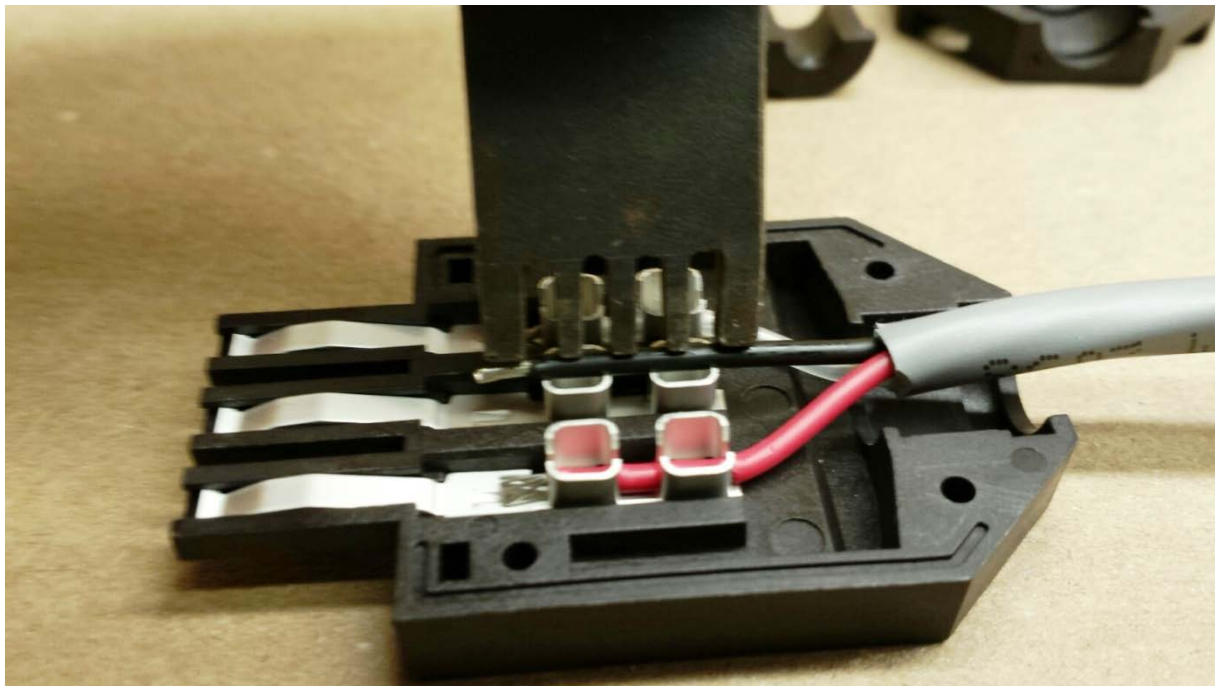
- 1 - Top
- 1 - Bottom
- 1 - Strain Relief Insert
- 4 - #4 x 3/8 Sheet Metal Screws



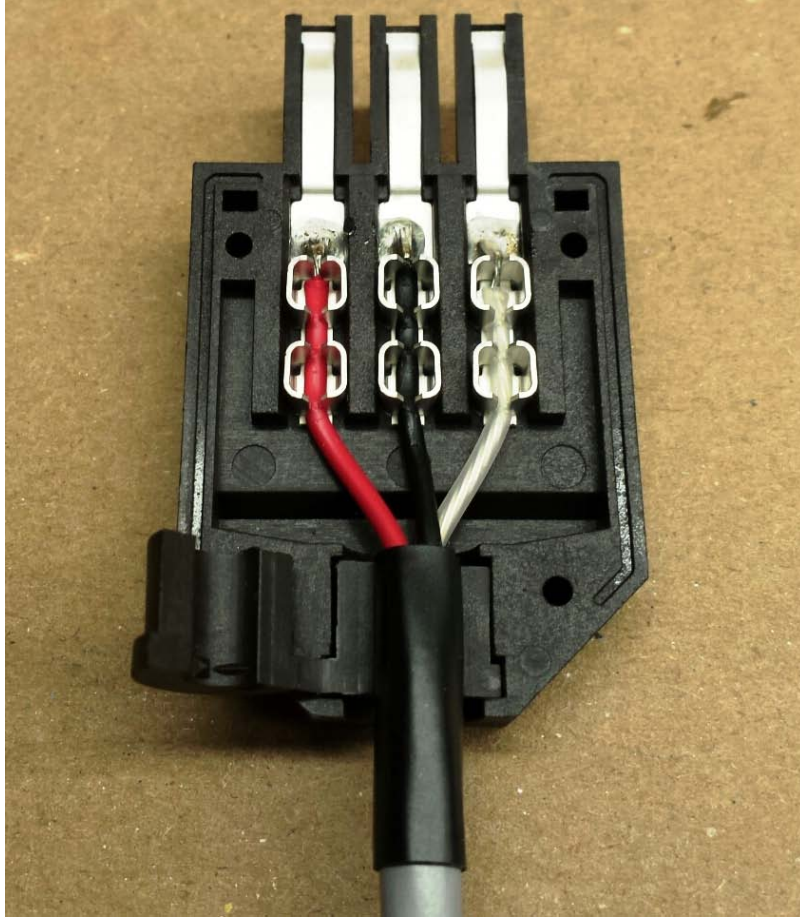
To install the connectors first prepare the wire by stripping approximately 1 inch of the outside jacket off. Also strip approximately 1/16 of an inch of each individual conductor.



Next the wires will need to be pushed into the contact clips. This can be done multiple ways, here at Portatree we made a “push in tool” as shown below. Pushing the wires into the contacts can also be done with a small flat head screw driver. It is best to push the wire in evenly and fully!



Once the wires have been inserted into the clips it is very important to solder the bared ends of each wire. This will insure a good connection to each contact clip. If needed, electrical tape or thin single wall shrink tube can be added to the ends of exterior jacket to ensure a tight clapping fit with the strain relief insert.

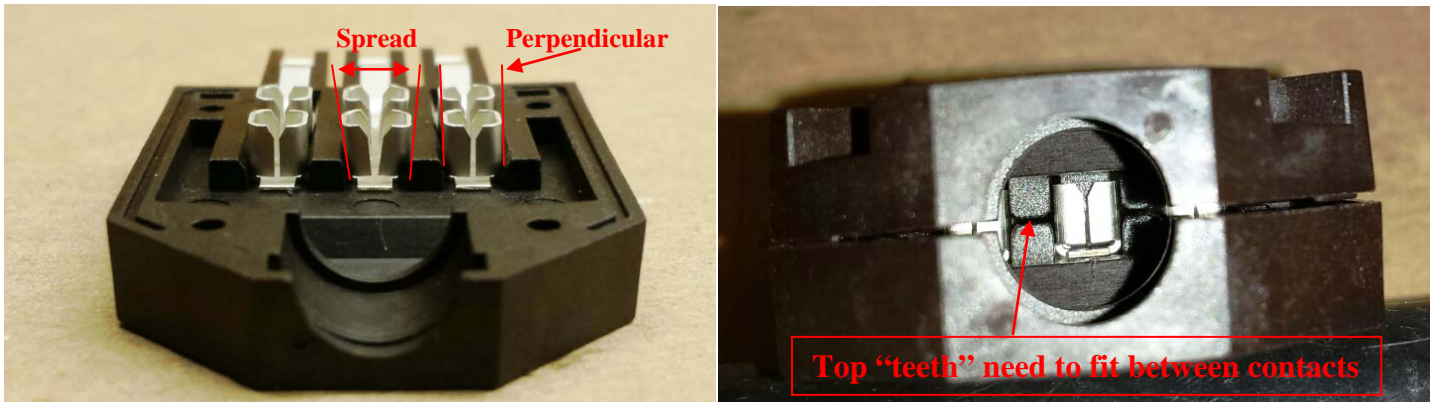


Next screw the Top onto the Bottom using the supplied screws. Tighten until the top is fully seated on the bottom, there should be no gaps along the seams.

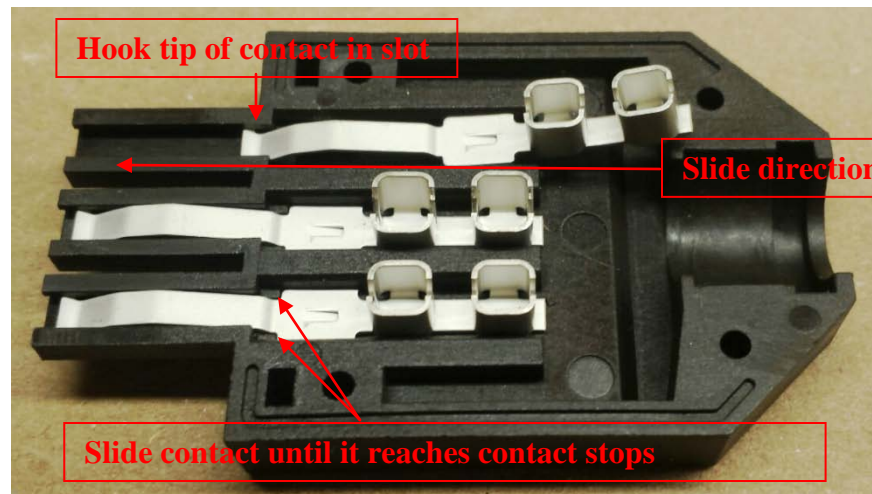


TIPS:

- It is important to check the contact clips after the wires have been inserted. As shown below sometimes after the wire is inserted the contacts can spread. They need to be perpendicular in order for the top to fit correctly, also shown below. If they do spread simply squeeze them back together with a pair of needle nose pliers. As the top comes to fit the bottom, the “teeth” need to fit between each contact holding each wire and contact in place.



- Should a contact fall out of the bottom simply slide the contact back into its holder. Start by hooking end of the contact back into the t-slot and slide the contact until it reaches the stops in the plastic bottom.



- It is important to never use die-electric grease on the contacts. Grease can hold in dirt and debris not allowing the connector contacts to make a good electrical contact. We recommend using WD-40. Simply spray the contact down and then blow out any excess with compressed air. This will wash out any dirt and apply a protective coating to each contact.