

Repair Kit Installation Instruction

Description

The repair kit is for repairing heating cable that is damaged during installation of the heating cable/mat. The kit includes jumper wires to bridge the heating element after the damaged section is removed.

Tools Required

- Wire Strippers 16-26 AWG
- Crimp tool
- Heat gun
- Gloves
- Scissors
- Multimeter (capable of 200K ohms)

Procedure

① Remove 1.5" (38mm) of the plastic cable jacket, being careful not to cut or damage the metal braiding beneath.

Always use the heat gun for help to remove the plastic jacket or insulation, heat them for a few seconds will make them easy to remove.

② Remove 1" (25mm) of the inner jacket, being careful not to cut or damage the plastic insulation.

③ Remove 0.3" (8mm) of the insulation. Pay special attention not to nick the heating element. Future failure is possible if the integrity of the heating element is compromised.

④&⑤ Put the two heat-shrink tubes over each side of the wire. Once your repair is complete, these tubes will seal the complete repair

⑥ Use 3-5" jumper wire in the kit, remove 0.3" (8mm) of the insulation from both side.

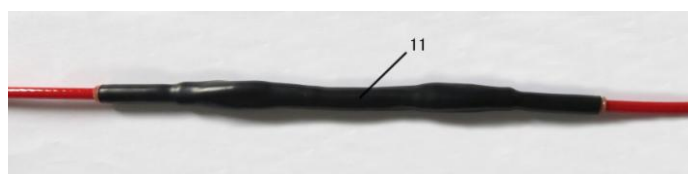
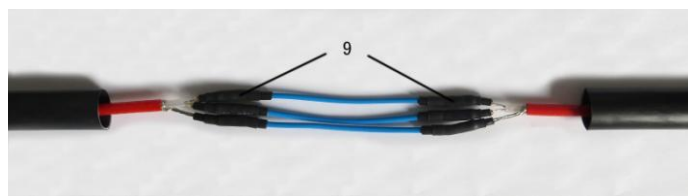
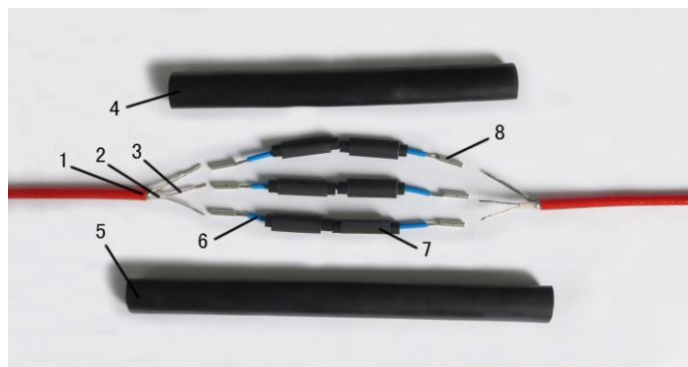
⑦ Place the inner heat-shrinks over the jumper wires to be used to seal the connectors once you connect the conductors.

⑧ Using the crimp tool and connectors carefully connect the heating cables to the jumper wires. Pay special attention not to connect the heating element to the braid.

⑨ Center the black heat-shrinkable tubes ⑦ over the connectors and using the heat gun shrink in place.

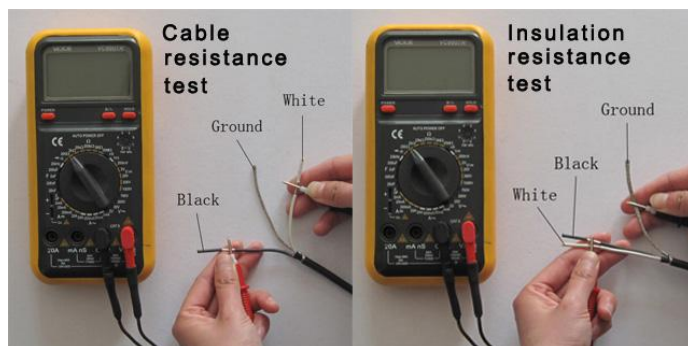
⑩ Center the black heat-shrinkable tube ④ over the splice and using the heat gun shrink in place.

⑪ Center the black heat-shrinkable tube ⑤ over the splice and using the heat gun shrink in place.



Test

Test the heating cable resistance and compare the reading to the cable specified. Set your multimeter to the 200K ohm range and test the insulation resistance, make sure the meter reads "Open" or "OL".



IT IS NOT RECOMMENDED TO REPAIR A CABLE IN A CURVE. ADJUST/STRAIGHTEN OUT THE WIRE FIRST.

This cable is an electrical product and must be install in accordance to local and/or national electrical codes. Repair must be entrusted to a qualified professional where required by law.