

Repair Kit Installation Instruction

Description

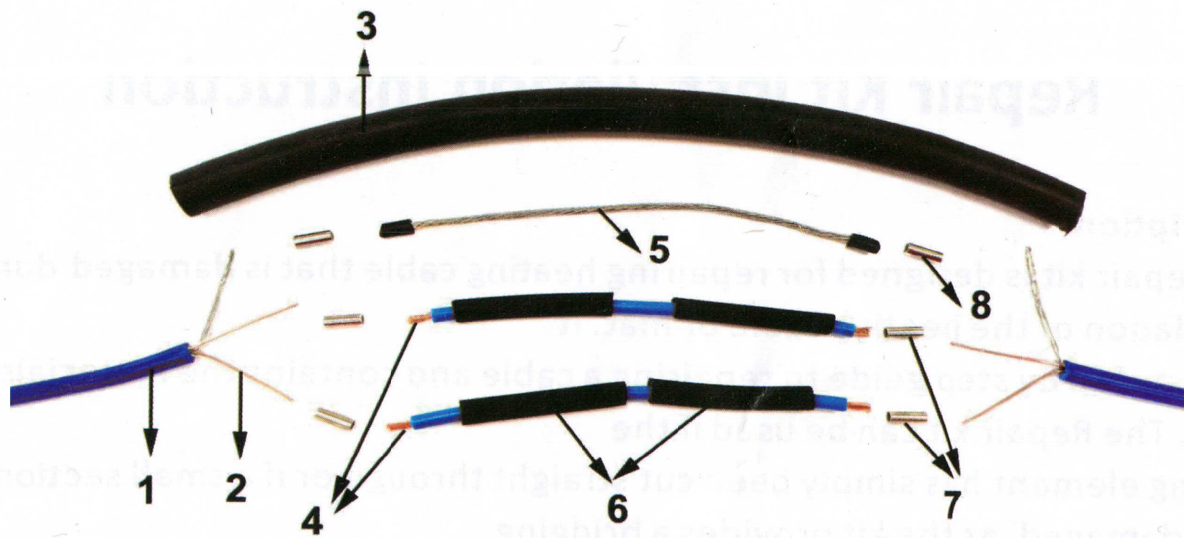
This repair kit is designed for repairing heating cable that is damaged during installation of the heating cable or mat. It offers a step by step guide to repairing a cable and contains the materials to do so. The Repair kit can be used if the heating element has simply been cut straight through or if a small section has been damaged, as the kit provides a bridging wire to span a damaged section measuring up to 10cm in length. It is a low cost solution to fixing a problem with the heating element without the need to replace the entire heating cable or mat.

Kit Contents

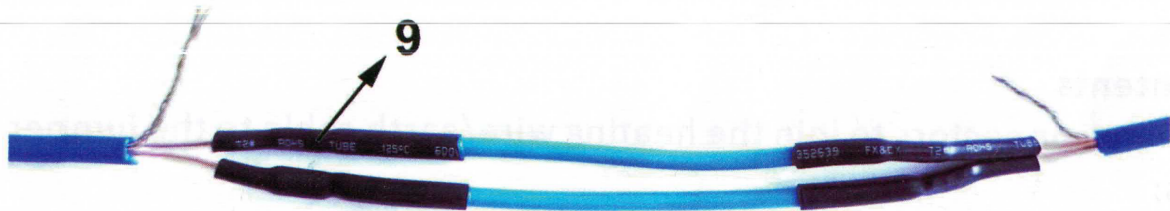
10x Crimp connectors to join the heating wire/earth cable to the jumper cables;
4x Heat shrink sections for the conductor joints, 50mm long;
1x Heat shrink section for the total repair section, 200mm long;
1x 19*0.30mm² tinned copper earth jumper cable, 100mm long;
2x 1.5mm² heating cable jumper cable, 100mm long;
1x Installation Instruction.

Installation

1. Remove the damaged section of heating cable then strip 38mm of the outer insulation from both sides of the cut heating wire ends.
2. Separate the two inner heating conductors and metal earth screen then remove 8mm of the heating conductor insulation.
3. Slide the large heat shrink onto one side of the heating cable. Once the repair is complete, this tube will seal the complete repair.
4. Remove 8mm of insulation from both sides of the 100mm jumper cables.
5. Cut the earth jumper cable to size.
6. Slide on the small heat shrink sections onto the conductor jumper cables to create a seal once crimped.
7. Using a crimp tool and carefully connect the heating cables to the jumper wires.
8. 2 crimps for connecting earth cable.



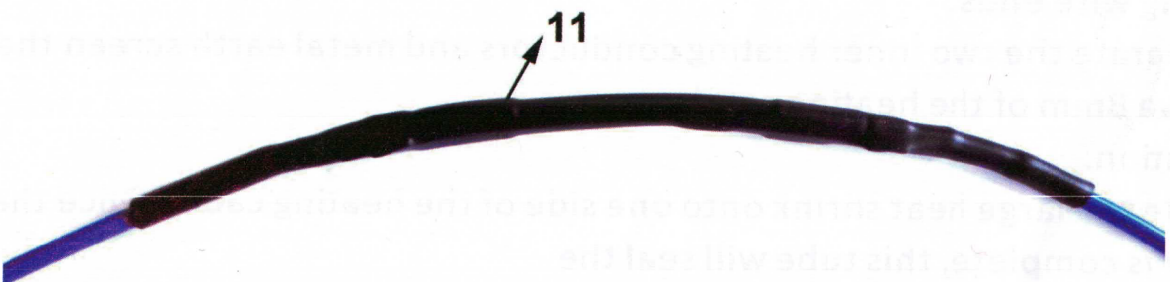
9. Center the small heat-shrink tubes over the connectors and using a heat gun shrink into place.



10. Using a crimp tool, connect the earth jumper cable to the metal earth screen sections.



11. Center the large heat shrink tube over the whole splice section and using a heat gun, shrink into place.



Testing

The heat mat / cable MUST then be tested. The heating cable resistance should be compared to the value within the instruction manual. The insulation resistance MUST also be measured and should be greater than 500 M Ohms.

Electrical Considerations

All mains electrical connections must be undertaken by a certified electrician.