



Cable Repair Kit Guide for Warmup

Floor Heating Systems

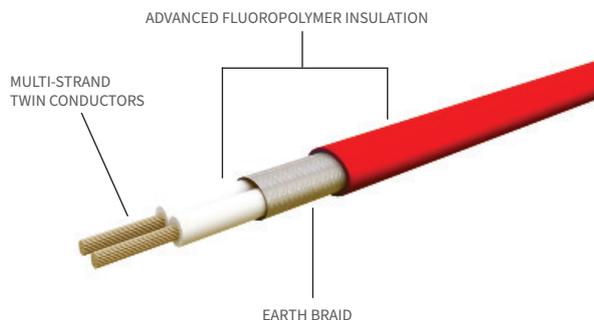
Warranty Disclaimer: This guide and the repair kit included have been provided by Warmup Inc. to aid in the repair of Warmup Mat & Loose Wire systems damaged on-site. Warmup cannot warranty the repair or guarantee the proper function of the heating system following a repair. Warmup recommends that all repair work be carried out by a qualified electrician and conform with current IEE Wiring Regulations. For any further assistance, please contact Warmup on 1-888-927-6333

CAUTION: *Before commencing with the repair, ensure that the heating system has been completely disconnected from the power source.*

Tools & Items Required for Repair

1. One Repair kit
2. Crimping Tool
3. Heat gun
4. Stanley knife / Wire strippers
6. Multimeter

Heating Wire Construction



Product Resistance Check

Warmup DWM Mat Systems

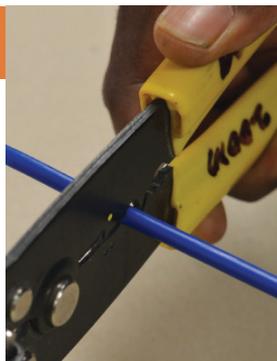
Model DWM-120V	Resistance	Model DWM-240V	Resistance
DWM-120-140	102.9	DWM-240-350	164.6
DWM-120-210	68.6	DWM-240-560	102.9
DWM-120-280	51.4	DWM-240-700	82.3
DWM-120-350	41.1	DWM-240-1050	54.9
DWM-120-420	34.3	DWM-240-1260	45.7
DWM-120-560	25.7	DWM-240-1540	37.4
DWM-120-700	20.6	DWM-240-2100	27.4
DWM-120-840	17.1	DWM-240-2520	22.9
DWM-120-1050	13.7	DWM-240-3080	18.7
DWM-120-1260	11.4	DWM-240-3240	17.8
DWM-120-1540	9.4		
DWM-120-1620	8.9		

Warmup DCM-PRO System

Model DCM-C-120V	Resistance	Model DCM-C-240V	Resistance
DCM-C-120-65	221.5	DCM-C-240-195	296.0
DCM-C-120-130	110.8	DCM-C-240-325	177.2
DCM-C-120-195	73.8	DCM-C-240-390	147.7
DCM-C-120-260	55.4	DCM-C-240-525	109.7
DCM-C-120-325	44.3	DCM-C-240-655	87.9
DCM-C-120-390	99.4	DCM-C-240-785	73.4
DCM-C-120-525	27.4	DCM-C-240-920	62.6
DCM-C-120-655	22.0	DCM-C-240-1050	54.9
DCM-C-120-785	18.3	DCM-C-240-1180	48.8
DCM-C-120-920	15.6	DCM-C-240-1310	44.0
DCM-C-120-1050	13.7	DCM-C-240-1640	35.1
DCM-C-120-1180	12.2	DCM-C-240-1970	29.2
DCM-C-120-1315	11.0	DCM-C-240-2300	25.0
DCM-C-120-1445	10.0	DCM-C-240-2630	21.9
DCM-C-120-1575	9.1	DCM-C-240-2955	19.5
		DCM-C-240-3240	17.8

1

Cut off any damaged heating wire.



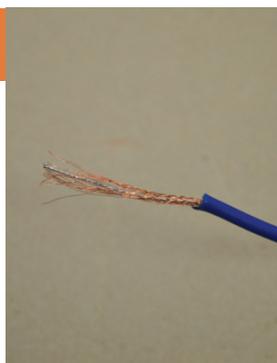
2

Use the wire strippers or Stanley knife to carefully remove approximately 2 inches of the outer sheath to expose the ground braid on both ends of the wire cut.



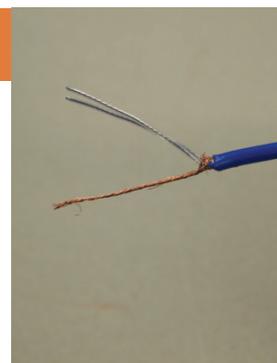
3

Unravel the earth braid on both ends of the wire.



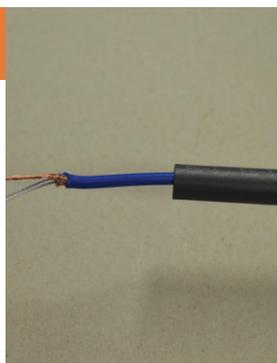
4

Twist the earth braid.



5

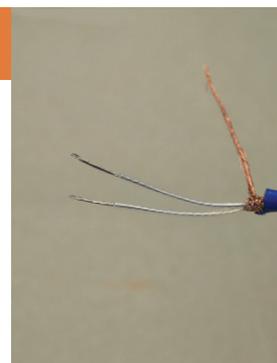
Slide one piece of the large black heat shrink over one end of the wire.



6

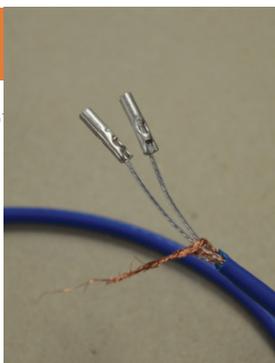
On both ends of the cut wire, use the Stanley knife to very carefully strip off approximately 1/4 inch of the insulation covering both heater cores.

It is critical not to damage the heating wire core.



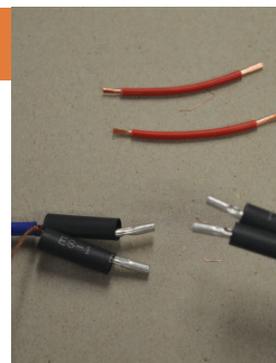
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Attach a butt crimp to either end of the heater cores using a crimping tool. Complete steps 3-7 for the other side of the cut cable.



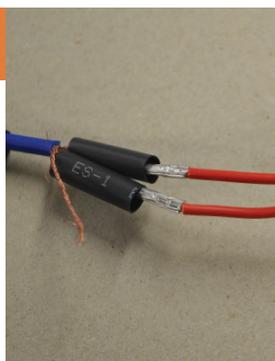
8

Slide one piece of the small heat shrink over each end of the heating elements up to the earth braid.



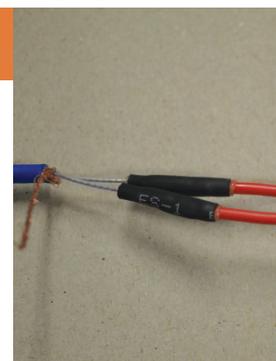
9

Use the bridge wire to connect your repairs. **If they reach without the bridge wire, this step is optional.** There is no parity between conductors. Test the heater for circuit resistance.



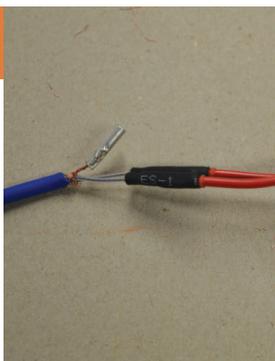
10

Slide the small heat shrink pieces over the butt crimps so that any bare metal is covered. Use a heat gun in order to activate the heat shrink.



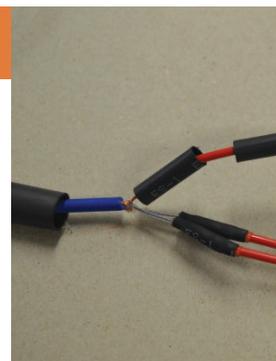
11

Attach a butt crimp to either end of the earth braid using a crimping tool.



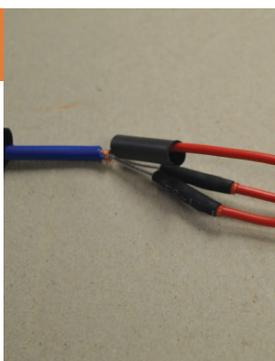
12

Slide one small piece of heat shrink over both sections of exposed earth braid. Cut a section of the "bridge" wire provided to a length suitable to replace the wire removed from the heating element.



13

Slide the small heat shrink pieces over the butt crimps so that the entire crimp is covered. Use a heat gun in order to activate the heat shrink.



14

Slide the large pieces of heat shrink over the small heat shrink and apply the heat gun. Allow the new joints to cool. Test resistance of the heater and then tile as normal.

