

On-Site End Cap Repair Kit Guide for Warmup Mats

and Loose Wire Systems

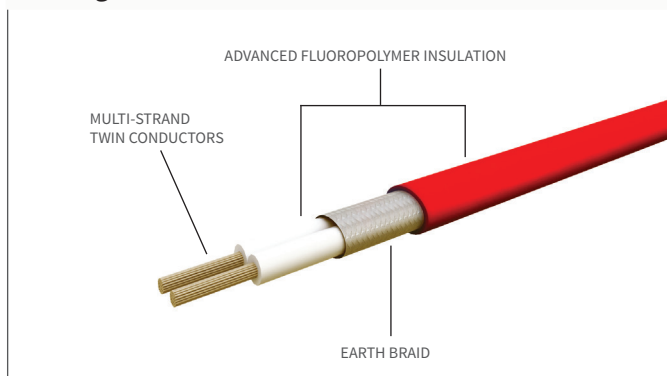
Warranty Disclaimer: This guide and the repair kit included have been provided by Warmup Inc. to aid in the repair of Warmup Mat & Loose Wire systems damaged on-site. Warmup cannot warranty the repair or guarantee the proper function of the heating system following a repair. Warmup recommends that all 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 consisting of:
 - 1 x Large end capped heat shrink
 - 1 x Small heat shrink
 - 1 x Small butt crimp
2. Crimping Tool
3. Heat gun
4. Stanley knife / Wire strippers
5. Side cutters
6. Multimeter

Heating Wire Construction



Warmup NADWS Loose Wire Systems

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

Warmup NADWM Mat Systems

Model NADWM-120V	Resistance	Model NADWM-240V	Resistance
NADWM-140-120	102.9	NADWM-350-240	164.6
NADWM-210-120	68.6	NADWM-560-240	102.9
NADWM-280-120	51.4	NADWM-700-240	82.3
NADWM-350-120	41.1	NADWM-1050-240	54.9
NADWM-420-120	34.3	NADWM-1260-240	45.7
NADWM-560-120	25.7	NADWM-1540-240	37.4
NADWM-700-120	20.6	NADWM-2100-240	27.4
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NADWM-1540-120	9.4		
NADWM-1620-120	8.9		

Testing of the Heater During and After Repair

Do not tile if the heater does not pass all the tests. There may be a problem with new joint or additional wire breaks. Actual value should be +/-5%.

Contact Warmup on 1-888-927-6333 for further assistance.



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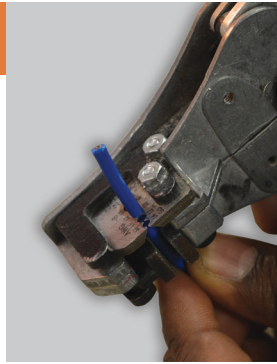
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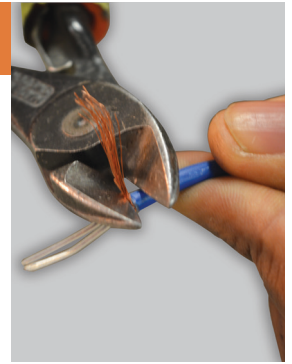
1

Using the Stanley knife or wire strippers to remove approximately 20mm of the outer sheath to expose the earth braid.



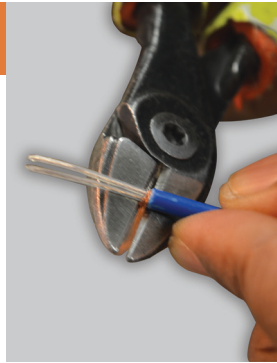
2

Unravel the earth braid.



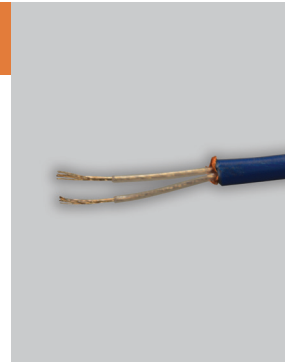
3

Cut back the earth braid so that you are left with the two cores of the heating element.



4

Using the Stanley knife or wire strippers, strip back approximately 7mm of the insulation.



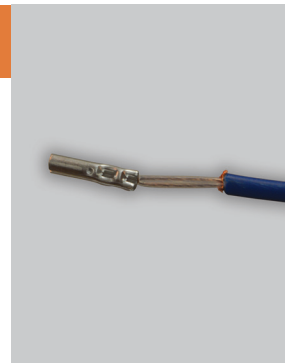
5

Twist both of the cores of the heating element together.



6

Attach the butt crimp to the heating cores using a crimping tool. Test the resistance using the multi-meter.



7

Slide the small heat shrink over the butt crimp so any bare metal is covered.



8

Activate the shrink wrap using a heat gun.



9

Slide the large end cap over the small heat shrink.



10

Once again, activate the heat shrink using a heat gun. Repeat the resistance test on the heater.

