

If there is no error in the controller but no heat is generated.
[NM-75/80/85/90]

1. Failure to develop a fever can occur in three main cases.

1-1. If one or more of the mat's heating wires are disconnected (page 3)

1-2. Controller failure (page 4)

1-3. Disconnection of the regulator cable (regulator ~ mat) (page 5)

2. Order of finding the cause

2-1. Test by replacing a known operating regulator

→ If the mat is heated normally, the regulator is defective (How to check: see pages 4 and 5)

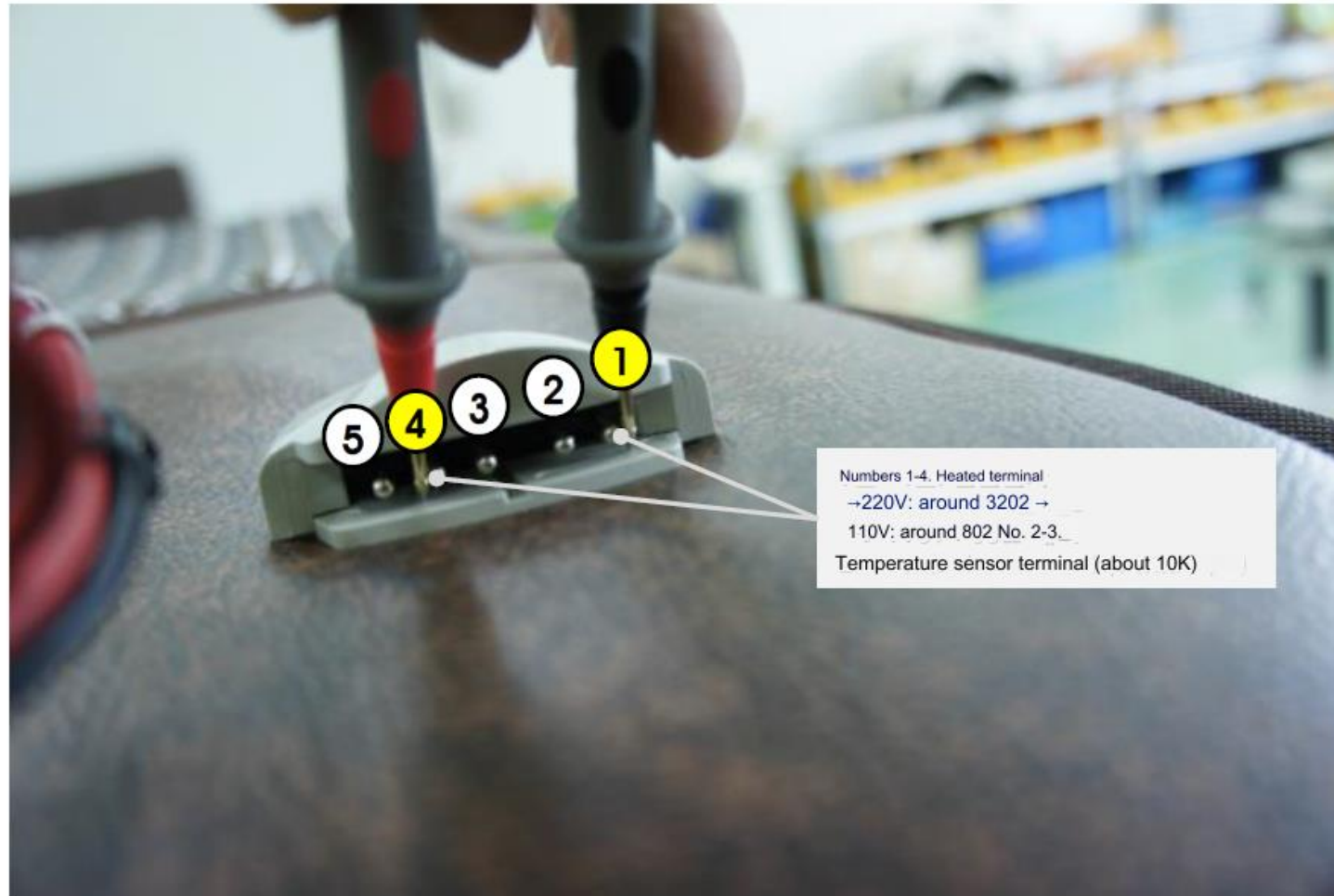
→ If the mat does not heat properly, the mat is defective (How to check: see page 3)

2-2. In case of regulator failure, there are two possibilities. → PCB failure and repair (How to check: see page 4)

→ Cable disconnection and repair (How to check: see page 5)

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1. If one or more of the mat's heating wires are disconnected

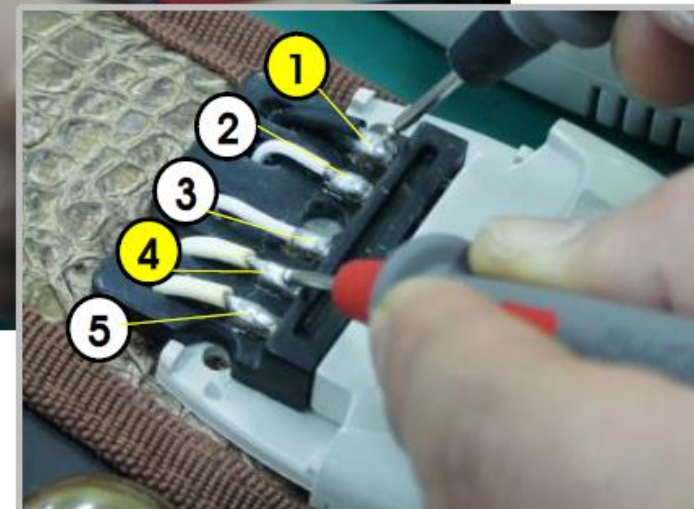
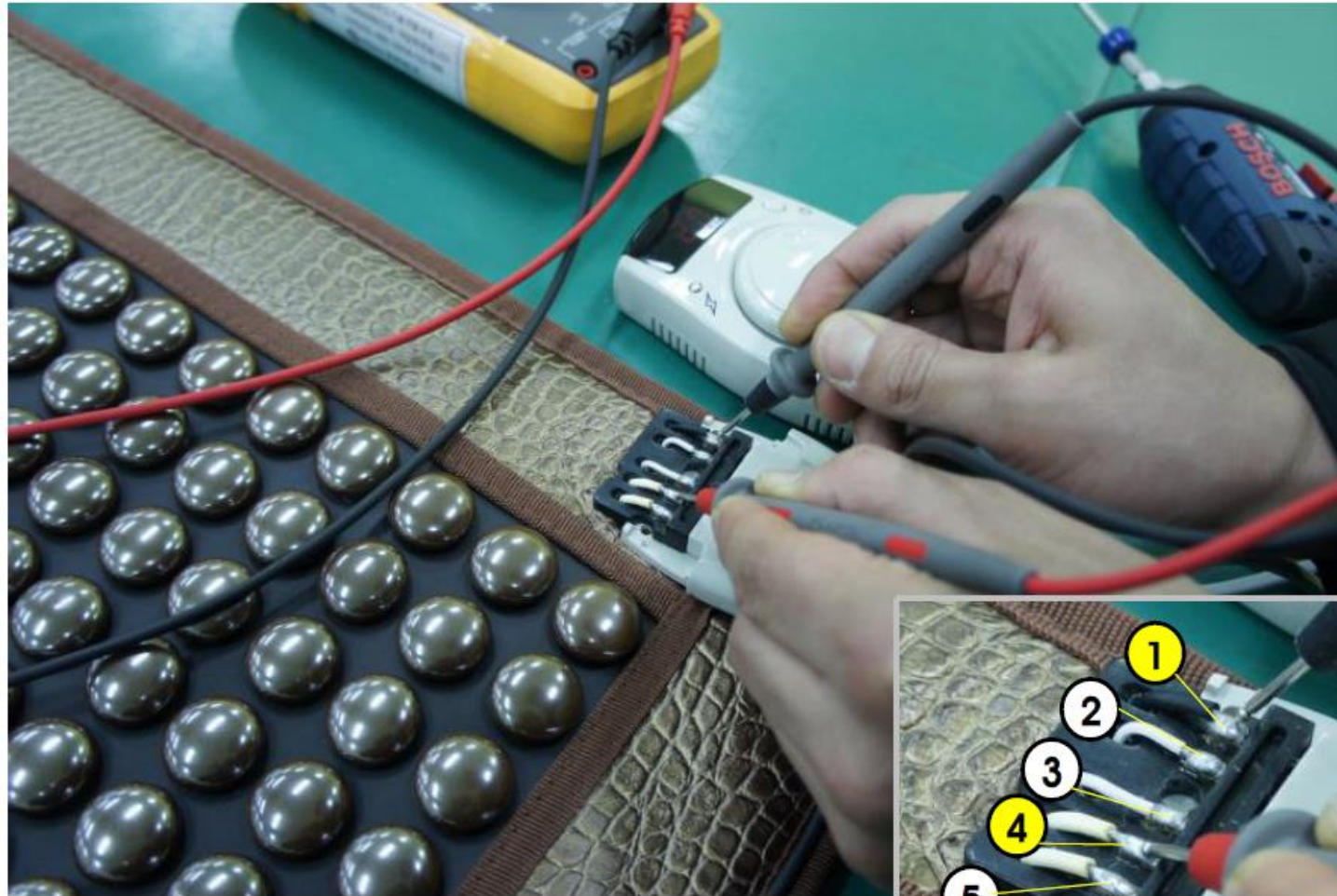


As shown in the picture, check the resistance between Nos. 1 and 4 and if it measures around 320 (220V product), it is normal. → In case of 110V, it is normal if it measures around 80Ω.

In case of a break in the heating system (heating wire and wiring) inside the mat → If sewing is possible, tear off the border fabric (webbing) at the edge of the mat and repair by soldering or replacing the heat wire ASSY.

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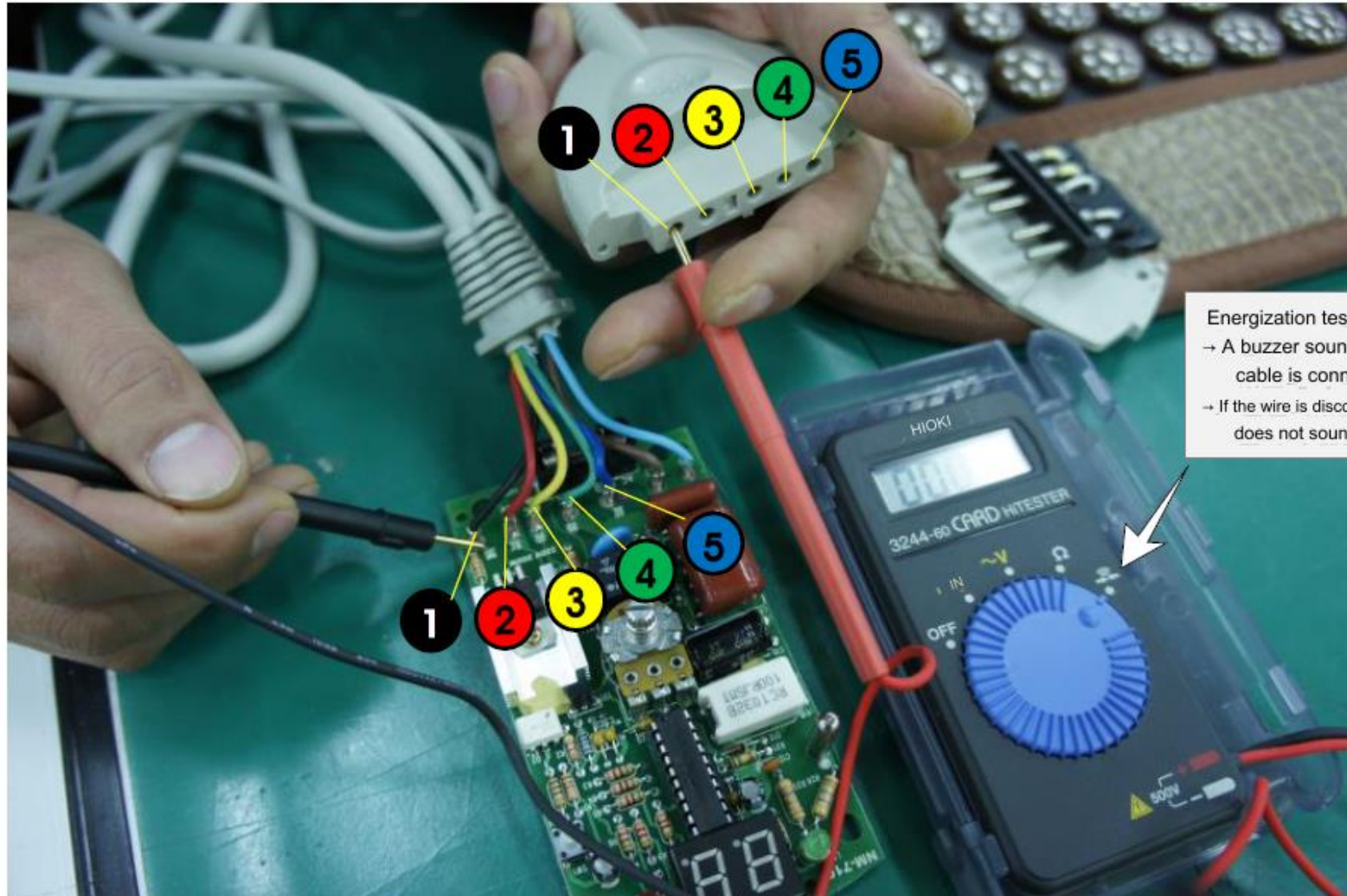
2. Controller (PCB) failure



1. Remove the mat's connector cover.
2. After connecting the controller, set the temperature to 70 degrees.
3. As shown in the picture on the right, measure the AC voltage of terminals 1-4 and if 220V (110V) is measured, the regulator is normal. → If the normal voltage is not measured, the regulator is broken → How to repair: Replace the PCB or regulator.

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3. Disconnection of the regulator cable (regulator ~ mat)



1. Check for disconnection of the "Regulator ~ Mat" cable.
2. Perform an energization test with the same number (color) to check whether the cable is disconnected.
→ Repair is possible by replacing the cable ASSY or regulator.