HAKKO 807
Replacing the heating element

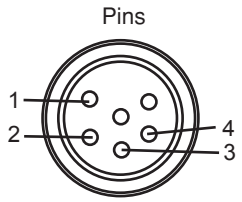

Fig.1

The resistance values of a working heating element are 9.2Ω between pins 1 and 3 (heating element), and 54Ω between pins 2 and 4 (sensor) at 73°F (23℃) -fig.1. If the measured values are outside this range, replace the heating element.
(No. A1174 24V-60W heating element for HAKKO 807)

How to replace the heating element ;

1. Unplug the cord.
2. Remove the nut, element cover, nozzle.

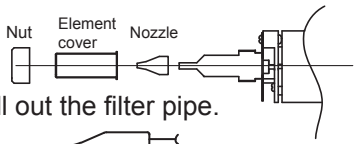

Fig.2

3. Turn the back holder knob counterclockwize and pull out the filter pipe.
4. Remove the housing fastener.

Fig.3

5. Remove the screws securing the housing ⑨ and the screws ③ ④ securing the flange to the housing.

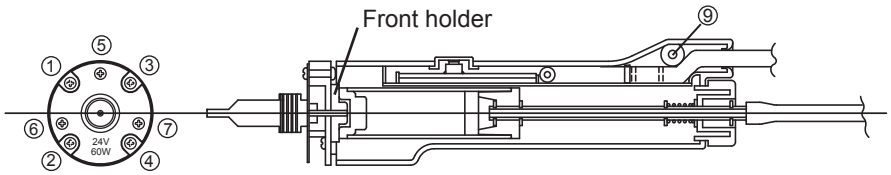

Fig.4

6. Remove the front holder.
7. Remove the screw ⑤ ⑥ ⑦ securing the heating element to the flange, and the screw ① ②.
8. Desolder the heating element leads (marked H) and sensor leads (marked S).

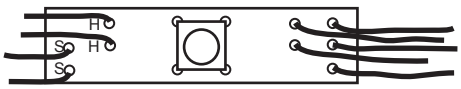

Fig.5

9. Remove the old heating element and replace it with a new one.
10. Bend the lead wire as figure below, and pass two red leads and two white leads through the holes as shown in Fig.7. Secure a heating element to the flange with the screws ⑤ ⑥ ⑦.

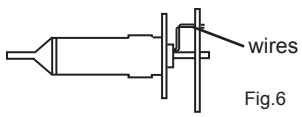

Fig.6

⚠ Be careful not to twist and pull the lead wire when installing the heating element.

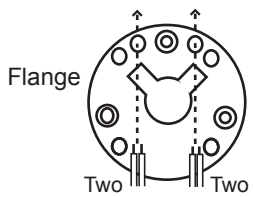

Fig.7

11. Install the front holder.
12. Resolder the heating element leads (red wires/H) sensor leads (white wires/S).
13. Reassemble the Unit.

⚠ CAUTION
Be sure insulation is properly positioned, when installing as pictured.

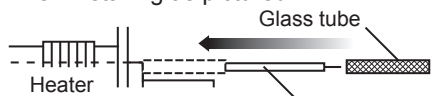

Fig.8

14. Recalibrate the temperature:
    (a) Set the temperature control knob to 1 and allow the iron to warm up for 3 minutes.
    (b) Adjust the temperature calibrator (CAL) unit the nozzle temperature (measured with a tip thermometer) is 662°F (350℃).