

Hakko 817

Replacing the heating element

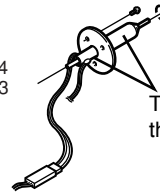
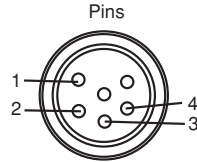
Heating element for the Hakko 817

The heating element is integrated with the heating core and cannot be separated.

Attempting to do so may damage the heating element.

The resistance value of a working heating element is 9.2Ω between pins 1 and 3 (heating element), and 54Ω between pins 2 and 4 (sensor) at $73^{\circ}\text{F}(23^{\circ}\text{C})$. If the measured values are outside this range, replace the heating element.

(No.A1507 24V-60W heating element for Hakko 817)

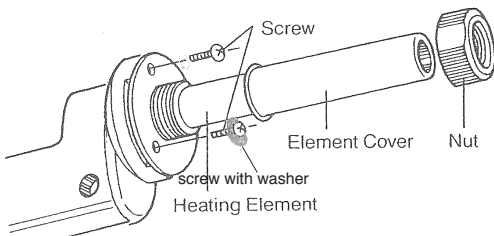


The heating element is integrated with the heating core and cannot be separated.



WARNING Unplug the power cord before starting this procedure.

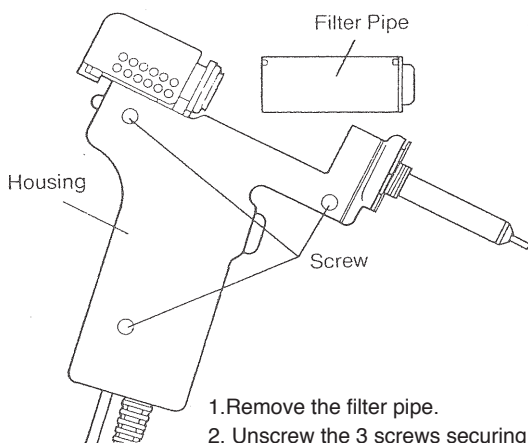
1 Disassemble the heating unit.



1. Remove the nut, element cover and nozzle.
2. Unscrew the 3 screws securing the heating element to the housing of the gun.

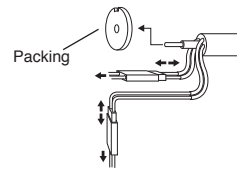
Note: The screw with washer is longer than another two screws. When securing be sure to place it in the original position.

2 Separate the housing.



1. Remove the filter pipe.
2. Unscrew the 3 screws securing the housing

3 Remove the heating element.

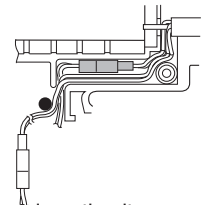


1. Disconnect the connector.
2. Remove the heating element.

Note: When assembling the heating element be sure to place the packing to avoid the air gets out. Failure to do the suction power may comes down.

4 Insert a new heating element and reassemble the heating unit.

Position the leads in the groove and press them into place. Be sure that the leads do not get caught in the housing.



1. Bend the lead at a right angle before inserting it.
2. Attach the connector.
3. Reassemble the housing and replace the screws.
4. Reassemble the heating unit in reverse order of Section 1 above.

5 Recalibrate the temperature.

1. Set the desire temperature.
2. Adjust the temperature calibration pot (CAL) until the nozzle temperature (measured with a thermometer) is correct.



CAUTION Never set the temperature over the temperature range. It will cause problems.

Note

Should the Hakko 817 ever need repair, please send both the gun and the station to your Hakko agent.