



7. MAINTENANCE

Performing proper and periodic maintenance extends product life and contributes to the quality of soldering work. Efficient soldering depends upon the temperature, the quality and quantity of the solder and flux. Apply the following service procedure as dictated by the conditions of the usage.

⚠ WARNING

Since the tip can reach a very high temperature, please work carefully.  
Except where indicated, always turn the power switch OFF and disconnect the power plug before performing any maintenance procedure.

Tip temperature

High temperatures shorten tip life and may cause thermal shock to components. Always use the lowest possible temperature. The excellent thermal recovery characteristics of the HAKKO FX-888D ensures effective soldering at low temperature.

Cleaning

Always clean the tip before use to remove any residual solder or flux adhering to it. Use a cleaning sponge or the HAKKO 599B tip cleaner. Contaminants on the tip may have negative effects, including reduced heat conductivity, which contribute to poor performance.

When not in use

Never allow the unit to idle at a high temperature for extended periods. This will allow the tip to become oxidized. Turn the power switch OFF. If it is to be out of service for several hours, it is advisable to disconnect the power plug as well.

After use

Always clean the tip and coat it with fresh solder after use. This guards against oxidation.

●Tip Maintenance

- Set the temperature to 250°C(482°F).
- When the temperature stabilizes, clean the tip and check the condition of the tip. If the tip is badly worn or deformed, replace it.
- If the solder plated part of the tip is covered with black oxide, apply fresh solder, containing flux, and clean the tip again. Repeat until all the oxide is removed, then coat the tip with fresh solder.
- Turn the power OFF and remove the tip, using the heat resistant pad. Set the tip aside to cool.

⚠ CAUTION

Do not file the tip in an attempt to remove the black oxide.

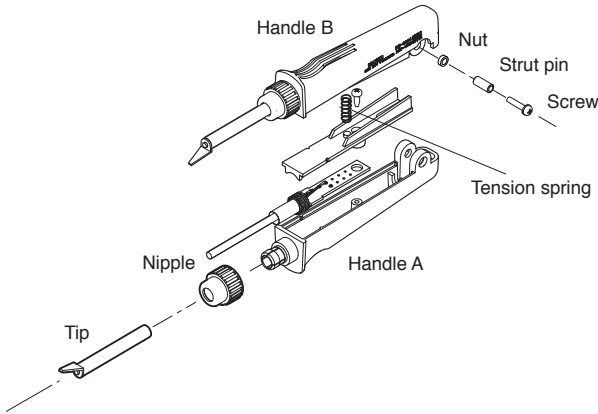
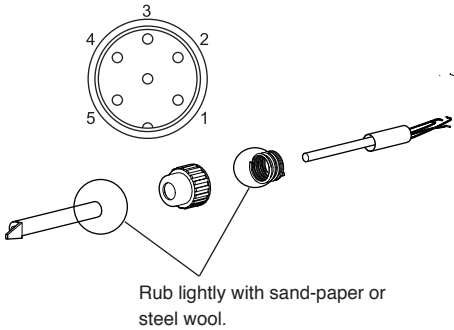
8. CHECK PROCEDURE

Disconnect the plug of the cord assembly and measure the resistance value between the pin of the connecting plug as follows.

|                                            |                                              |
|--------------------------------------------|----------------------------------------------|
| a. Between pins 4 & 5<br>(heating element) | 2.5 ~ 4.5 Ω<br>(at time of room temperature) |
| b. Between pins 1 & 2 (Sensor)             | 43 ~ 58 Ω                                    |
| c. Between pin 3 & tip                     | 2 or less Ω                                  |

- If the values of “a” and “b” are outside the value in the table, replace the heating element(sensor) and/or cord assembly.

- If the value of “c” is over the value in the table, remove the oxidization film by lightly rubbing with sand-paper or steel wool the points shown in the drawing on the right.

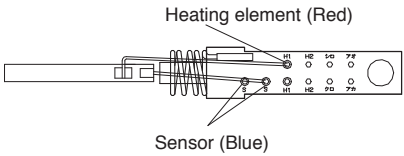


⚠ CAUTION

Be sure to measure the resistance of the heating element in both handles A and B.  
If one of the heating elements is broken, replace both heating elements.

8. CHECK PROCEDURE

1. Broken heating element / sensor



- Loosen the nipple by turning it counterclockwise.
- Pull out the tip.
- Remove the screw and strut pin. Separate into handle A and B.  
Remove the tension spring.

⚠ CAUTION

Do not lose the tension spring.

- Remove each tapping screw of the handle A and B, and remove the handle cover.
- Pull out the P.W.B. and heating element.

\*Measure when the heating element is at room temperature.

- Heating element resistance (red) 2.5-4.5 Ω
- Sensor resistance (blue) 43-58 Ω

If the resistance value is not normal, replace the heating element.

(Refer to the instructions included with the replacement part.)

After replacement

- Measure the resistance between pins 4 and 1, 4 and 2, 5 and 1, 5 and 2.  
If it is not ∞, the heating element and sensor are touching. This will damage the circuit board.
- Measure the resistance “a” , “b” and “c” to confirm that the leads are not twisted and that the grounding spring is properly connected.

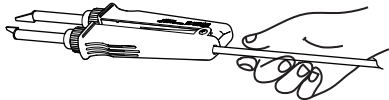
2. Broken cord assembly

There are two methods of testing the cord assembly as below.

- Turn the power on and set the temperature control knob to 400°C(752°F). Then, bend the cord at various locations along its length, including in the strain relief area.  
If the LED heater lamp flashes, then the cord needs to be replaced.

⚠ CAUTION

The power lamp starts to flash when the temperature reaches 400°C(752°F) regardless of the condition of the cord.

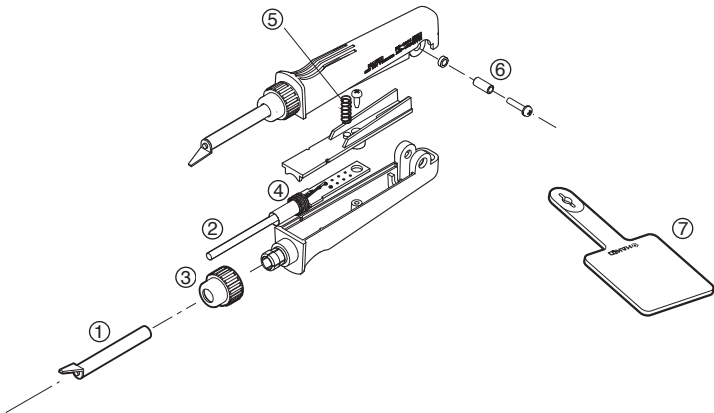


- Check the resistance between the plug pin and the terminal lead.  
Pin 1 : Red Pin 2: Blue Pin 3 : Green  
Pin 4 : White Pin 5 : Black  
If it is higher than 0 Ω or ∞, the cord should be replaced.

9. PARTS LIST

●HAKKO FX-8804 Hot Tweezer

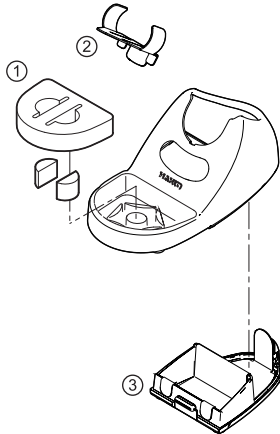
| Item No. | Part No.  | Part Name     | Specifications |
|----------|-----------|---------------|----------------|
| ①～⑥      | FX8804-02 | HAKKO FX-8804 | AC26V 65W      |



9. PARTS LIST

● HAKKO FX-8804

| Item No. | Part No. | Part Name          | Specifications  |
|----------|----------|--------------------|-----------------|
| ①        |          | Tip                | See“TIP STYLES” |
| ②        | A1578    | Heating element    | 2 PCS.          |
| ③        | B2289    | Nipple             |                 |
| ④        | B2290    | Terminal           |                 |
| ⑤        | B2295    | Tension spring     |                 |
| ⑥        | B2296    | Strut pin          |                 |
| ⑦        | B2300    | Heat resistant pad |                 |



● HAKKO FH-800 Iron holder

| Item No. | Part No.   | Part Name    | Specifications |
|----------|------------|--------------|----------------|
| ①～③      | FH800-04BY | HAKKO FH-800 | Blue-Yellow    |
| ①～③      | FH800-04SV | HAKKO FH-800 | Silver         |

● Iron holder parts

| Item No. | Part No. | Part Name                          | Specifications                      |
|----------|----------|------------------------------------|-------------------------------------|
| ①        | A1559    | Cleaning sponge                    |                                     |
| ②        | B3666    | Holder clip                        |                                     |
| ③        | B3475    | Bottom plate with protection plate | with Protective Sheet & rubber foot |

⚠ CAUTION

For safety reasons, please attach the protective sheet to the bottom plate when using the HAKKO FX-8804.

10. TIP STYLES

|          | Item No. | Part Name      | Size A(B) | Shape |
|----------|----------|----------------|-----------|-------|
| For CHIP | A1577    | Tip /CHIP 0.5L | 0.5 mm    |       |
|          | A1379    | Tip /CHIP 1L   | 1 mm      |       |
|          | A1378    | Tip /CHIP 2L   | 2 mm      |       |
|          | A1388    | Tip /CHIP 0.5C | 1.5(0.5)  |       |
|          | A1389    | Tip /CHIP 0.5I | R0.25     |       |
| For SOP  | A1576    | Tip /CHIP 2.6C | 2.6       |       |
|          | A1390    | Tip /SOP 4L    | 4 mm      |       |
|          | A1391    | Tip /SOP 6L    | 6 mm      |       |
|          | A1380    | Tip /SOP 8L    | 8 mm      |       |
|          | A1381    | Tip /SOP 10L   | 10 mm     |       |
|          | A1382    | Tip /SOP 13L   | 13 mm     |       |
|          | A1392    | Tip /SOP 15L   | 15 mm     |       |
|          | A1383    | Tip /SOP 18L   | 18 mm     |       |
|          | A1384    | Tip /SOP 20L   | 20 mm     |       |
|          | A1385    | Tip /SOP 25L   | 25 mm     |       |