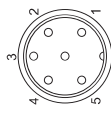


8. CHECKING PROCEDURE

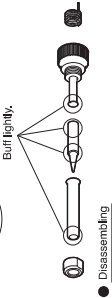
Disconnect the plug of the cord assembly and measure the resistance value between the plug of the connecting plug as follows.

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 oxidation film by lightly rubbing with sand-paper or steel wool the points shown in the drawing on the right.

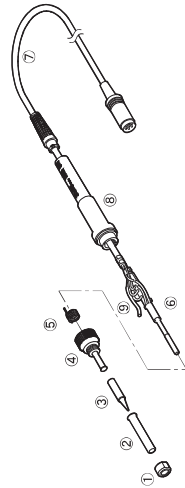
a. Between pins 1 & 2 (Heating Element)	2.5 - 3.5 Ω (at line of room temperature)
b. Between pins 1 & 2 (Sensor)	43 - 58 Ω
c. Between pin 3 & Tip	2 Ω or less



● Disassembling

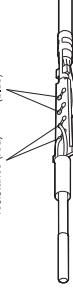


1. Broken Heating Element/Sensor



Heating element resistance (red)

(blue)



1. Turn the nut ① counterclockwise and remove the tip enclosure ② and the tip ③.
2. Turn the nipple ④ counterclockwise and remove it from the iron.
3. Pull both the heating element ⑤ and the cord assembly ⑦ to the outside ⑥. (Proceed to the next step.)
4. Pull the grounding spring ⑨ out of the sleeve of the terminal.

* Measure when the heating element is at room temperature.
1. Heating element resistance (red) 2.5 - 3.5 Ω
2. 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

1. Measure the resistance between pins 4 and 1, 4 and 2, 5 and 1, and 5 and 2. If it is not "∞", the heating element and the cord assembly are not properly connected.
2. Measure the resistance "a", "b", and "c" to confirm that the leads are not twisted and that the grounding spring is properly connected.

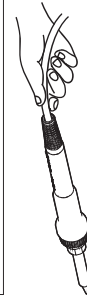
2. Broken Cord Assembly

There are two methods of testing the cord assembly.

1. Turn the unit ON and set the temperature control knob to 480°C. Then bend the iron cord at various locations along its length, including in the strain relief area. The cord should not break. If the cord breaks, the tip temperature doesn't rise.

CAUTION

The power lamp starts to flash when the temperature reaches 430°C (800°F) regardless of the condition of the cord.



2. 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: Blue
Resistance: 0 Ω
If it is higher than 0 Ω or is ∞, the cord should be replaced.

9. TROUBLE SHOOTING GUIDE

WARNING

- Before checking the inside of the FX-888D or replacing parts, be sure to disconnect the power plug.
• If the power cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified person in order to avoid personal injury or damage to the unit.

CHECK Is the power cord and/or connecting plug disconnected?

ACTION Connect it.

CHECK Is the fuse blown?

ACTION Determine why the fuse blew and eliminate the cause, then replace the fuse.

CHECK Is the inside of the iron short-circuited?

ACTION Is the grounding spring touching the heating element?

CHECK Is the heating element lead twisted and short-circuited?

ACTION Try replacing the fuse even if the cause cannot be identified. If it still blows, return the product for repair.

CHECK Is the cord assembly broken? Is the heating element/sensor broken?

ACTION: If the cord assembly is broken, replace the HAKKO FX-8801. If the heating element / sensor is broken, replace the heating element.

a. Between pins 1 & 2 (Heating Element)	2.5 - 3.5 Ω (at line of room temperature)
b. Between pins 1 & 2 (Sensor)	43 - 58 Ω
c. Between pin 3 & Tip	2 Ω or less

CHECK Is the heater broken?

ACTION: If the heater is broken, replace the heating element.

CHECK Is the cord assembly broken?

ACTION: If the cord assembly is broken, replace the HAKKO FX-8801.

CHECK Is the tip temperature too high?

ACTION Set an appropriate temperature.

CHECK Is the tip coated with black oxide?

ACTION: Remove the black oxide. (Refer to "Tip Maintenance.")

CHECK Is the tip coated with black oxide?

ACTION: Remove the black oxide. (Refer to "Tip Maintenance.")

CHECK Is the iron temperature adjusted correctly?

ACTION: Perform the temperature adjustment.

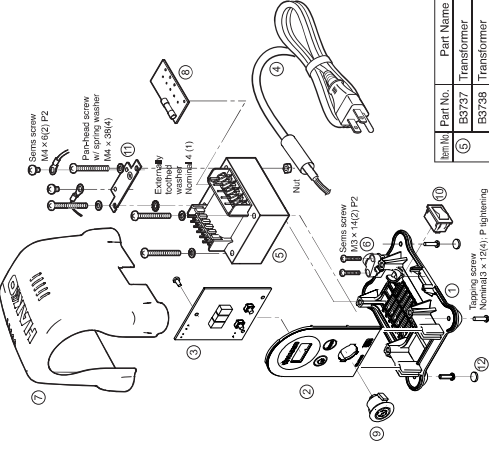
CHECK Is the tip seized?

ACTION: Is the tip swollen because of deterioration? Replace the tip and the heating element.

CHECK Is the iron temperature adjusted correctly?

ACTION: Perform the temperature adjustment.

11. PARTS LIST

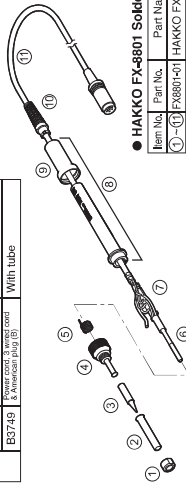


HAKKO FX-888D Station

Item No.	Part No.	Part Name	Specifications
①	B3733	Chassis	
②	B3734	Front panel / Yellow	For BY
③	B3735	Front panel / Gray	For SV
④	B3736	P.W.B	For temperature control
⑤	B3741	Power cord, 3 wires cord & American plug	With tube
⑥	B3743	Power cord, 3 wires cord & JIS plug	With tube
⑦	B3744	Power cord, 3 wires cord & European plug	With tube
⑧	B3745	Power cord, 3 wires cord & Australian plug	With tube
⑨	B3746	Power cord, 3 wires cord & Chinese plug	With tube
⑩	B3747	Power cord, 3 wires cord & S. Africa plug	With tube
⑪	B3748	Power cord, 3 wires cord & 2-wire cord (A1470) cord	With tube
⑫	B3749	Power cord, 3 wires cord & 2-wire cord (A1470) cord	With tube

HAKKO FX-8801 Soldering Iron

Item No.	Part No.	Part Name	Specifications
⑤	B3737	Transformer	100-110V
⑥	B3738	Transformer	120V
⑦	B3739	Transformer	220-240V
⑧	B3750	Cord stopper	
⑨	B3450	Upper case / SV	
⑩	B3721	P.W.B / 100V	With lead and rubber feet
⑪	B3722	P.W.B / 110-120V	With lead and rubber feet
⑫	B3680	P.W.B / 220V	With lead and rubber feet
⑬	B3723	P.W.B / 230V	With lead and rubber feet
⑭	B3724	P.W.B / 240V	With lead and rubber feet
⑮	B3463	Receptacle	
⑯	B2652	Switch	
⑰	B2627	Grounding plate	
⑱	B2405	Rubber feet	



HAKKO FX-8801 Soldering Iron

Item No.	Part No.	Part Name	Specifications
①-⑭	FX8801-①	HAKKO FX-8801	

Soldering Iron Parts

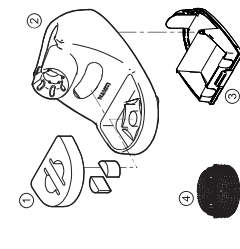
Item No.	Part No.	Part Name	Specifications
①	B1785	Nut	
②	B3469	Tip and base	See "11. TIP STYLES"
③	B2022	Nipple	
④	B2032	Grounding spring	
⑤	A1560	Heating element	28V-45W
⑥	B2028	Terminal board	With cord stopper
⑦	B3470	Handle	With handle cover
⑧	B3471	Handle cover	
⑨	B3467	Cord bushing	
⑩	B3468	Cord assembly	

HAKKO FH-800 Iron Holder

Item No.	Part No.	Part Name	Specifications
①-⑤	FH800-①	HAKKO FH-800	Blue-Yellow
⑥-⑩	FH800-⑥	HAKKO FH-800	Silver

Iron Holder Parts

Item No.	Part No.	Part Name	Specifications
①	A1559	Cleaning sponge	
②	B3472	Iron holder base	BY with rubber foot
③	B3473	Iron holder base	SV with rubber foot
④	B3751	Bottom plate	with Resistor Steel Rubber feet
⑤	A1581	Cleaning wire	



CAUTION

For safety reasons, please attach the protective sheet to the bottom plate when using the soldering iron.

* Timed on the soldering surface only

- Use only genuine Hako soldering iron tips. Replacement tips for the HAKKO FX-888D are designated the T18 series.

10. TIP STYLES

