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Top Viev

(Figure 5)

1. Adjust the air flow and temperature control knobs. Adjust the flow rate of the hot air while watching the center of the ball. Wait for the temperature to stabi-

If the thermal protector is tripped, reduce the temperature setting or increase the air flow. Be sure not to operate the unit with temperature and air

If the width of the IC does not match the size of the FP pick-up, adjust the width of the pick-up by squeezing the wire. In case of PLCC or small components such

Hold the handpiece so that the nozzle is located directly over, but not touching the IC, and allow the hot air to melt the solder. Be careful not to touch

Once the solder has melted, remove the IC by lift-

Apply the proper quality of solder paste and install

Soldering with hot air has many advantages, such as the inherent ability to pre-heat the component however, there is always the possibility of forming solder joints for structural and electrical integrity.

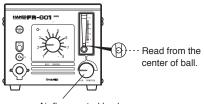
After the (START/STOP) button is pressed down, an automatic blowing function begins sending cool air through the pipe in order to cool the handpiece. Do not disconnect the plug during this cooling process.

During the cooling process, the amount of air is controlled by the setting of the air flow adjustment knob. HAKKO recommends setting the knob at

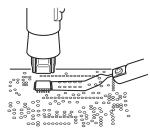
After the flowing function finished, turn off the pow-

HAKKO FR-801 has CAL (calibration) volume to have fine adjustment for the calorific value of heat-

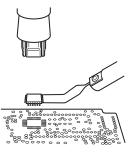




Air flow control knob

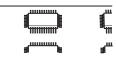


(Figure 1

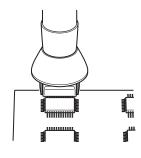


(Figure 2)





(Figure 3)



(Figure 4)

· Use a small plus screwdriver to adjust the screw marked CAL at the front panel. Turn the screw clockwise to increase the temper-

ature and counterclockwise to reduce the temperature

NOTE:

HAKKO FR-801 comes from the factory with zero (0) value preset

6. MAINTENANCE / INSPECTION

• Broken heating element

▲ CAUTION

Replacing the heating element is very dangerous. Be sure to turn the power switch OFF and be careful of the following procedure when replacing the heating element.

A. Open the handpiece

- 1. Move the tube away from the handpiece, as shown. (Figure 1) 2. Remove the three screws holding the handpiece
- together. 3. Open the handpiece. Disconnect the grounding

Grounding wire

___(a)

sleeve (1)

Connector (2)

(Figure 1)

wire sleeve (1) and pipe from the protruding portion of the handle. Remove the pipe.

▲ CAUTION

Quartz glass and heat insulation are inside the pipe. Be careful not to drop or lose these items.

4. Disconnect the connector (2) and remove the heating element.

B. Measure the resistance value

Connect an ohmmeter across the connector terminals (a). The correct values are approximately: 26-40Ω (100-120V), 70-100Ω (220-240V). If the resistance value is incorrect, replace the part. (Refer to the instructions included with the replacement part.)

▲ CAUTION

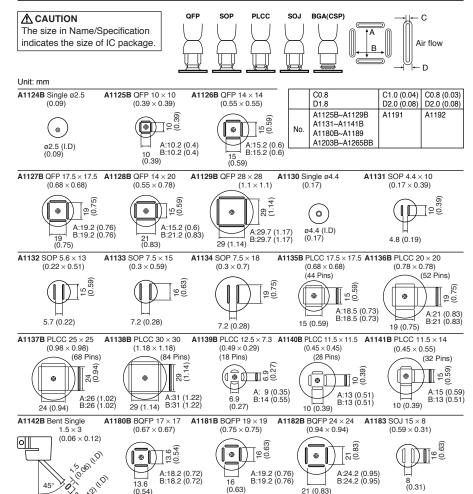
Handle the heating element with care. Never rub the heating element wire! Insert the handle's projection into the hole in the pipe.

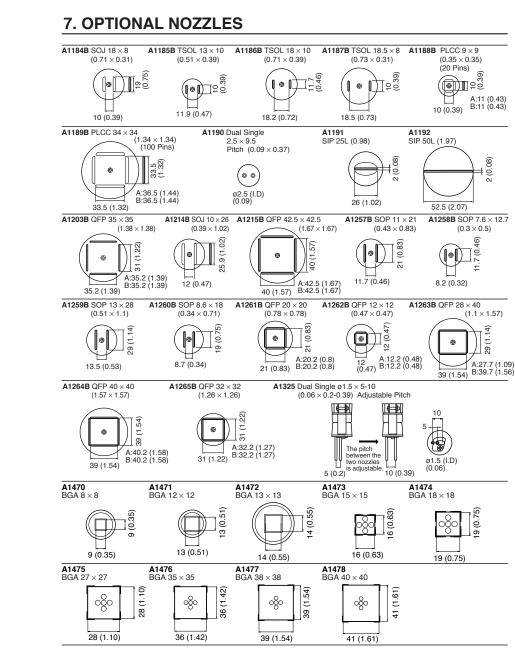
• Replacing the fuse

- 1. Unplug the power cord from the power receptacle.
- 2. Remove the fuse holder.
- 3. Replace the fuse.
- 5A (100-120V), 3.15A (220-240V)

4. Put the fuse holder back in place.

7. OPTIONAL NOZZLES

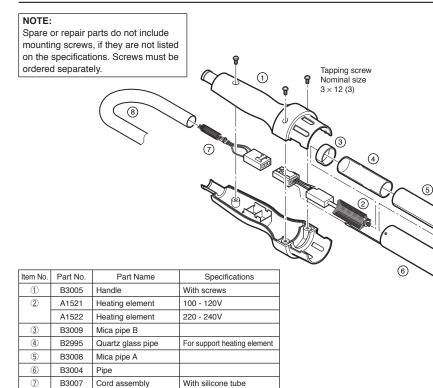




8. PARTS LIST / HANDPIECE

(8)

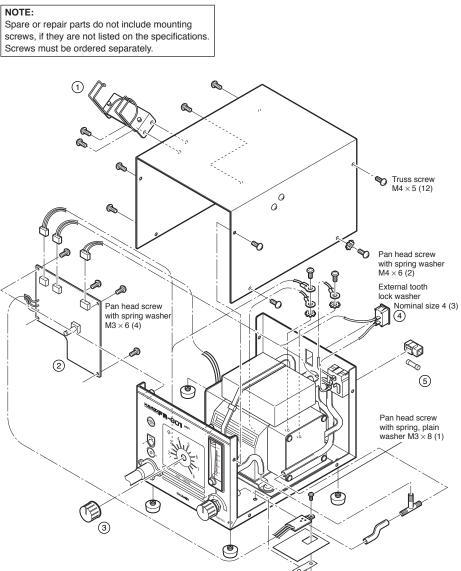
B1188 Silicone hose

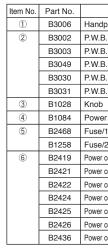


8. PARTS LIST / STATION









Optional Parts

Item No.	Part No.	Part Name	Specifications
1	B1438	FP pick-up	With 1pc. of pick-up wire (S) &(L)
2	B1439	FP pick-up wire (S)	
3	B1440	FP pick-up wire (L)	

Part Name	Specifications
piece holder	
l.	100V, with potentiometer, triac
i.	110V, with potentiometer, triac
k.	120V, with potentiometer, triac
k.	220V, with potentiometer, triac
i.	230~240V, with potentiometer, triac
	With screw
r switch	
125V-5A	100~120V
250V-3.15A(S)	220~240V
cord, 3 wired cord & American plug	
cord, 3 wired cord but no plug	
cord, 3 wired cord & BS plug	India
cord, 3 wired cord& European plug	220V KTL, 230V CE
cord, 3 wired cord & BS plug	230V CE U.K.
cord, 3 wired cord & Australian plug	
cord, 3 wired cord & Chinese plug	China





