

# 908

## Instruction Manual

Thanks for your purchasing.

This product possesses two kinds of functions as Hot blast unsoldering and Electric Welding Iron To ensure satisfactory operation, this instruction manual should be read carefully before using it.

After reading, keep it in a safe place for future reference.

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## PACKAGE LIST Please First Confirm Package's Items

POWER Cord.....	1
Welding Iron Stand.....	1
Welding Iron Stand.....	1
(including clean sponge)	
Welding Iron.....	1
Pick- up.....	1
Hexagonal Head Wrench(1.5mm).....	1

## Control Desk

Power Consumption	320W
Output Power	AC 24V-50W 220V-270W
Pump Power	45 W
Pump Formal	membrane type

## Flat IC Hot-blast Welding Iron

Power Consumption	AC 220/250W
Total Length	1.2m
Weight	Approximately 4kg



## Welding Iron

Heating Element	AC 24V-50W
Range of Temperature	100℃~480℃

## CAUTIONS FOR SATETY AND OPERATION

### WARNING

“Warning” and “Caution” in the manual are defined as follows:

-  Warning: Abuse may cause death or serious injury of the users.
-  Caution: Abuse may cause injury of the users or essential damage of objects.

- To keep security, please ensure yourself to follow such instructions as follows:

### WARNING

Do not set the input air and temperture of Heat Degree Protector (Heating elemet' s indicator turns off). Some units of Heating element may fail to work. Make sure of automatic cooling down without plugging out after operation.

### ATTENTION

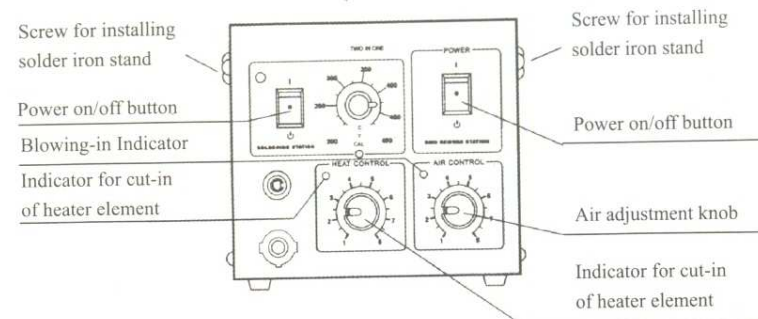
When connecting mains cord to the power source, temperature nearby the tip and air nozzle is up to 100℃~450℃  
To avoid scald or fire resulting from abuse,please follow severely such notices as follows;  
Switch it off and wait until it cools down to room temperature when changing components or cleaning it.  
Do not touch the metal section near welding iron head.  
Inform other people in the site when discovering obvious burning heat of the welding iron head,which may bring about dangerous accidents after setting swith to “OFF”.

- To prevent product's from damage and maintain secure performance environment, such matters need your attention:

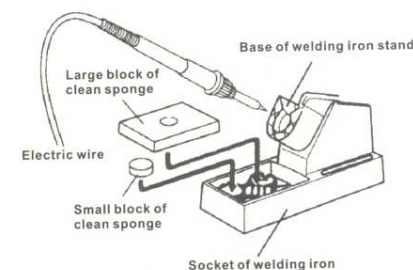
Do not employ welding iron head for any other use except welding.  
Do not knock the operation desk with welding iron to clean away flux residual,which may bring badly damage down on it.  
Do not change electric welding desk on your own autheority. Replace it with 908 original production.  
Do not impose violent attack on the operation desk by welding iron.  
Make sure to use it after grounding.  
Do not detach the pump or vacuum pump.  
Pull out or insert power cord by holding plug.  
Ensure good ventilation on function.

## PARTS IDENTIFICATION

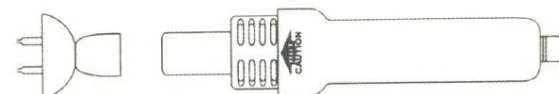
### BODY



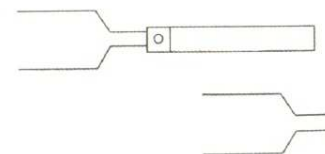
### Welding iron parts



### Unsoldering iron parts



### Accessories



## INSTALLATION AND OPERATION

### A. Welding Iron Stand

- ⚠ Caution: Sponge is capable of being squeezed and it enlarges when wetted. Please wet it first and then squeeze the water out for use, or it will damage welding iron head.

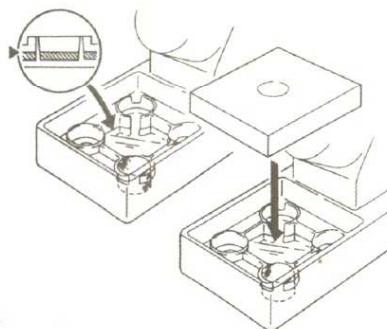
#### 1. Small block of clean sponge

Wet the small block of clean sponge and squeeze it dry, afterward place it into one of the four concave holes in the welding iron stand's basement.

#### 2. Add water in to the level shown in the diagram. Put the small sponge block with water on the large one to maintain humid. Simply using the large sponge is also possible. (regardless of using small block sponge and adding water).

#### 3. Then, wet the large one to put it on the base

Note: The welding stand of Mode 990S differs from that of Mode 901/908. Appropriate items should be chosen at replacement of old welding iron.



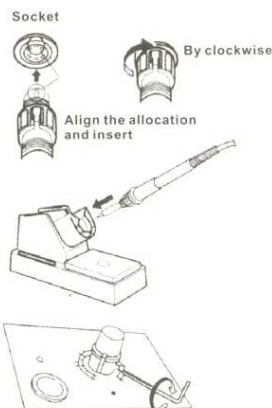
### B. Connection

- ⚠ Caution: Be sure to switch it off so as not to damage printing circuit board when connecting and disconnect welding iron.

#### 1. Connect wire device to the socket of welding iron.

#### 2. Place welding iron on welding iron stand.

#### 3. Insert the plug into the socket. Be sure to be grounded.



### C. Set temperature

#### 1. Set air adjustment knob at the temperature desired.

#### 2. Lock air adjustment knob.

is fixed with temperature adjustment knob lock. After setting a necessary temperature, tighten the hexagonal nut near the base clockwise by the hexagonal head wrench supplied.

- ⚠ Caution: Do not tighten the knob basement by rotating excessively. Do not turn it around when locked.

### D. Push Power on/off button.

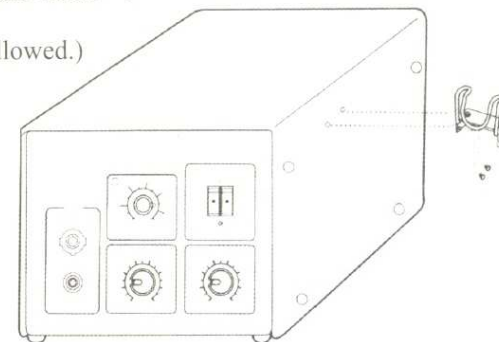
Indicator of the heater will flash when the temperature of welding iron head comes up to the set temperature, which indicates welding can go on. In order to achieve more convenience and efficiency of welding performance, two electric welding desks can be overlapped.

- ⚠ Attention: Position welding iron on the stand when out of operation.

## INSTALLATION AND OPERATION

### E. Install welding iron stand

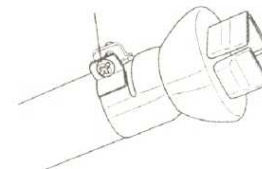
Take the mail off the body and install welding iron stand in it (either side of the body is allowed.)



### F. Assemble welding iron part

Loosen the screw and install air nozzle. Lock the screw tightly.

Lock the screw tightly



Do not take off the screw inside air nozzle for use.



### G. Connect wires and turn the power on

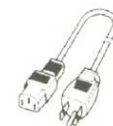
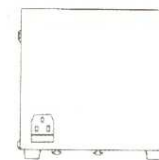
#### 1. Connect wires to the socket behind the body.

#### 2. Put the welding iron section on the stand.

#### 3. Insert the plug into the socket.

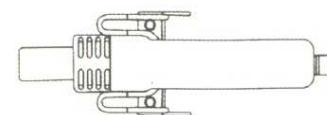
Automatic blowing-in will start operation, however, heating element is set to Power "off".

#### 4. Press Power button.



#### Note:

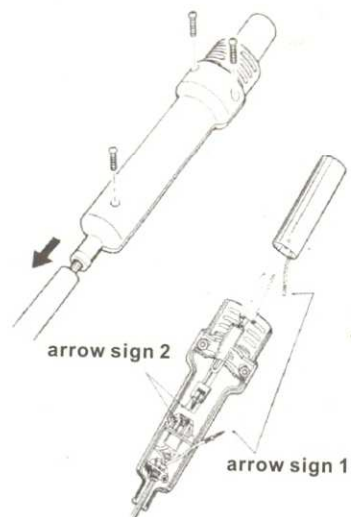
At any time as automatic blowing-in functions On/Off button can be pressed. Once turning it on, heating element begins warming up.



⚠ Attention: Quartz glass and breaking material are fixed inside the sleeve of heating elements. Ensure it in correct position and good condition.

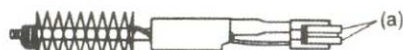
## Open welding iron section

1. Take off the three screws fixing the welding iron section.
2. Move downward the protector tube.
3. Open the welding iron section, disconnect ground wires (arrow sign 1) and take off the sleeve of heating element.
4. Remove terminal (arrow sign 2) and pull heating element out



## Measure electric resistance rate

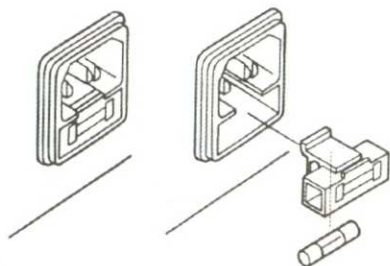
Measure electric resistance rate of heating element. The normal rate is 26 ohm(210-240V) (in room temperature). Please replace with a new one when resistance is abnormal.



⚠ Attention:  
Be careful of heating element.  
Be sure not to rub wires of heating element.

## Renewal method of fuse

1. Pull electric wire out of outlet.
2. Pull fuse socket out.
3. Replaced by new fuse.  
5A (210-240V)
4. Re-assemble according to its original form.



## Inspection and cleaning-up of welding iron head

⚠ Attention: Do not clean up oxide on the welding iron head by file.

1. Set temperature to 250°C(482°F)
2. After temperature stabilizes, clean up welding iron head with clean sponge and check welding condition.
3. When the tinning part of welding iron head contains dark oxide, the head can be plated with new tin and then wipe it clean sponge. Repeat such method until complete removal of oxide. Renewal shall be taken when derivation rust arises.

## Calibrate welding iron's temperature

Recalibrate welding iron's temperature each time after changing welding iron, heater or welding iron head

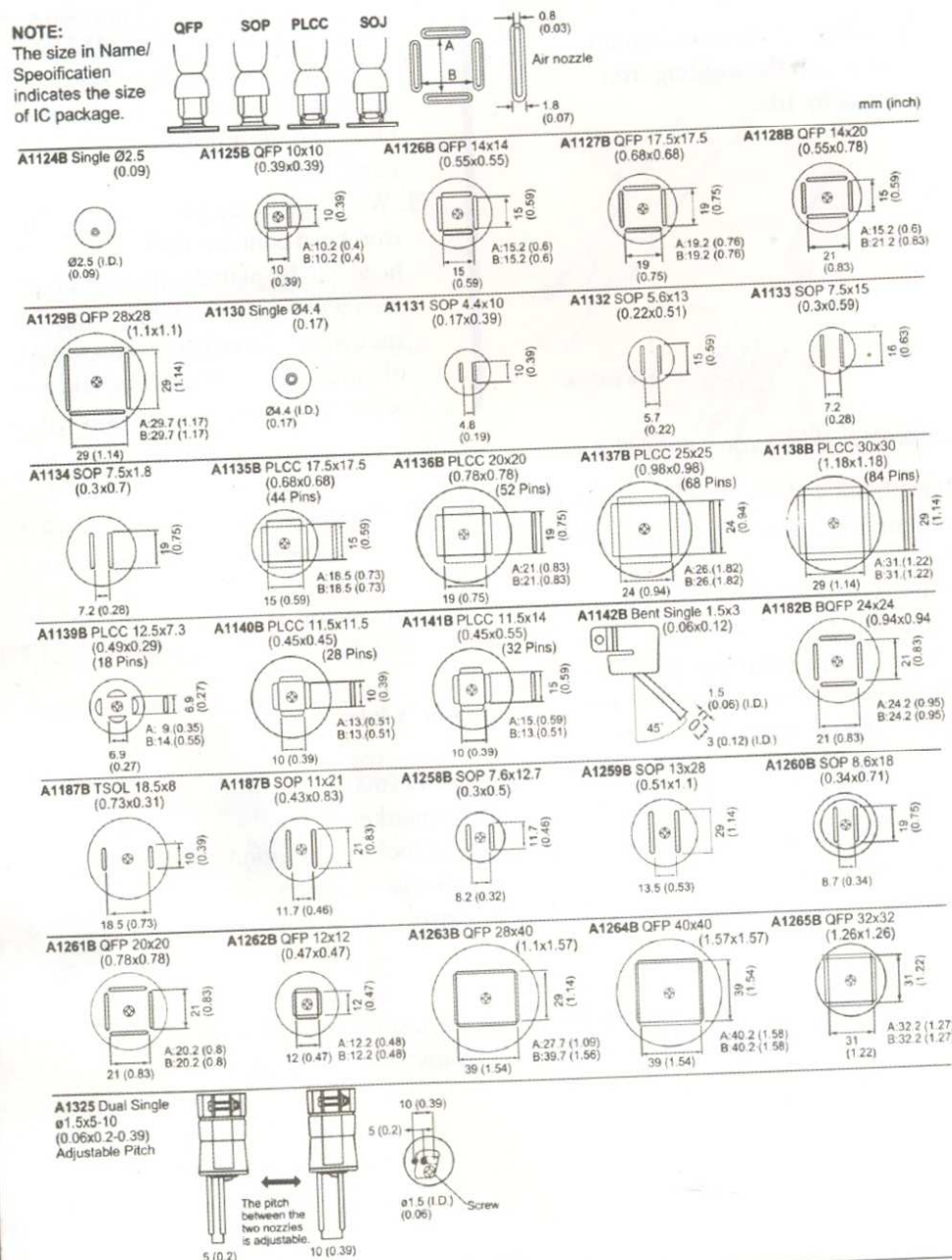
1. Insert the plug of electric device into the outlet of electric welding desk.
2. Position air adjustment knob to 400°C(750°F).
3. Press power button, and then remove calibrator's tube-shaped plug when temperature stabilizes.
4. After temperature maintains stable, rotate screws (marked with CAL on electric welding desk) by screwdriver marked "-" or "+" until the thermometer indicates 400°C(750°F). Clockwise rotation indicates increase in temperature, counterclockwise indicates decrease in temperature. Connect with CAL arrow-shaped plug of calibrator.

\* It is recommended to employ thermometer for testing welding iron head's temperature. Welding iron head's temperature of different mode may be differential.

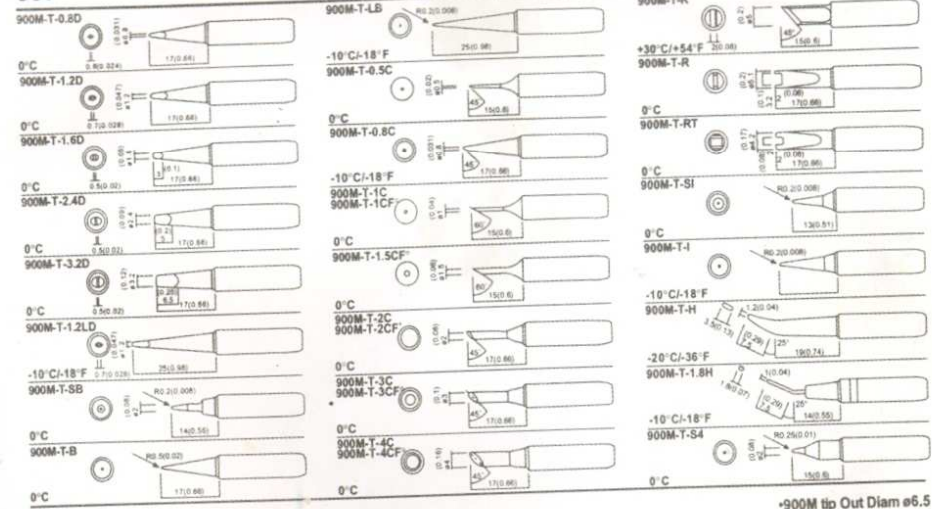
# OPTIONAL NOZZLES

## NOTE:

The size in Name/ Specification indicates the size of IC package.

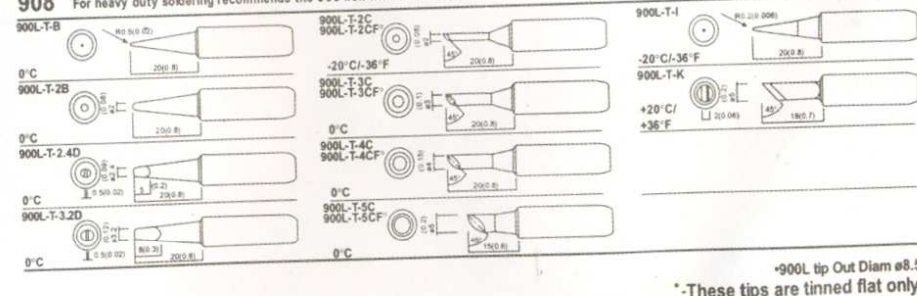


## 907



## 908

For heavy duty soldering recommends the 908 iron with heavier tips.



## 900S

For micro soldering recommends the 900S iron with fine tips.

