LF-988D+

LCD Touchscreen Control

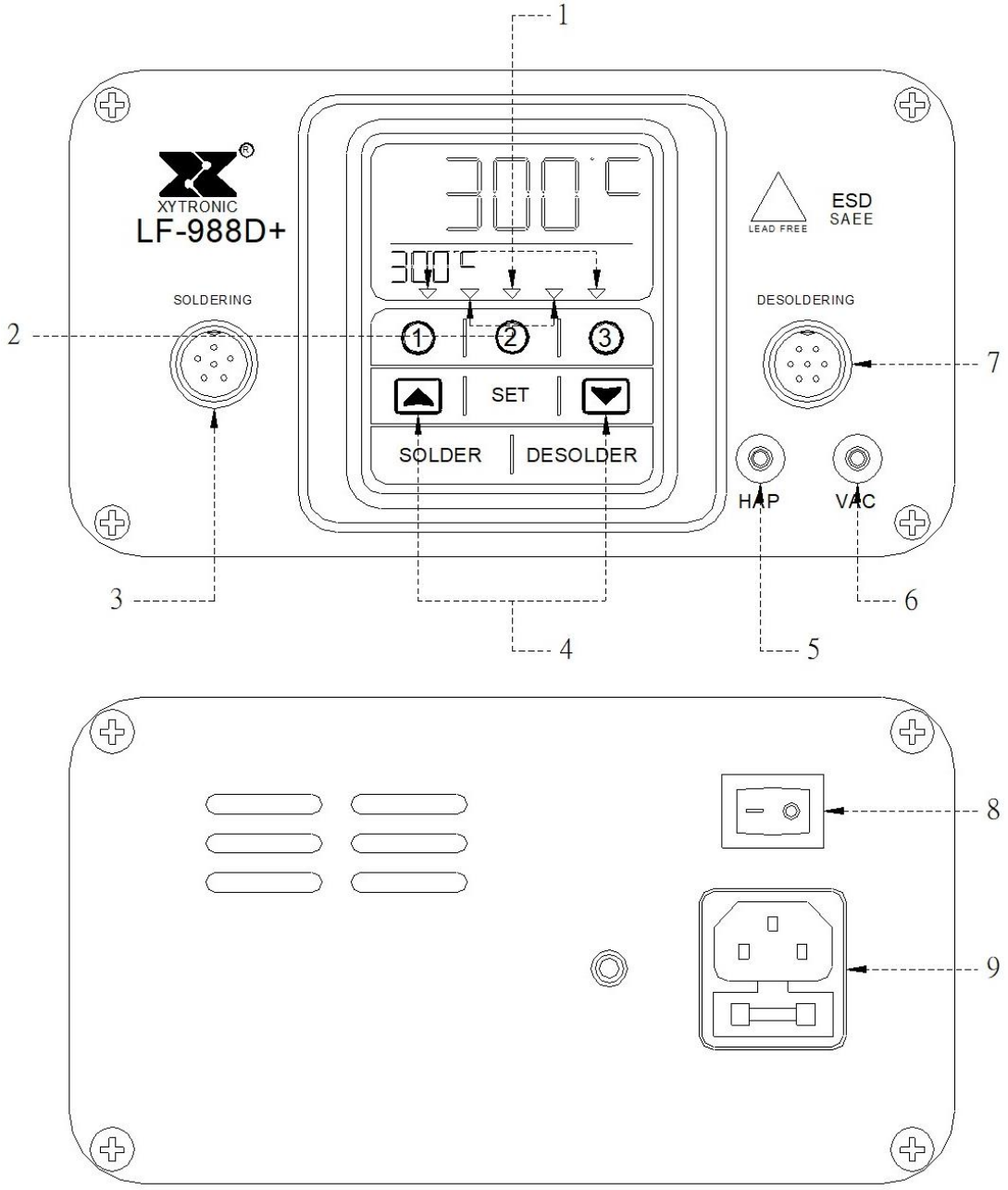
Soldering / De-soldering Station

Manual



BOOT

First insert the power cord connector into the power cord connector at the back of the machine, and then insert the power cord plug into the power socket. Turn on the power switch on the back of the machine



1.Temperature Control Optional 2. Function Key

3. Soldering iron connector 4. Temperature control key

5.Hot-Air Pencil connector 6.Vacuum Connector

7.De-soldering Iron connector 8 Switch 9.Power Cord connector

Features

• Suitable for lead free soldering applications • Variable temperature control via LCD touch screen • Zero switching circuitry for spike suppression • High idle stability • Fast heat recovery • Interchangeable handle • Three channels for stored temperature presets

Introduction

Thank you for purchasing the soldering / de-soldering LCD touchscreen station – the best solution for your soldering equipment needs especially for lead free applications! We believe that you will be more than satisfied with many features and the versatility of your new soldering station. Please carefully read the instruction manual prior to operation to maximize the advantages of using your new soldering station. **WARNING**: This appliance is not intended for use by children or inform persons without assistance or supervision if their physical, sensory or mental capabilities prevent them from using it safely. Children should be supervised to ensure that they do not play with the appliance. Failure to observe this safety regulation could result in a risk to life and limb. The manufacturer or supplier shall not be liable for damage resulting from misuse of the unit or unauthorized alterations**. Caution**: • Always place the soldering and De-soldering iron in its original holder when not being used. • Keep the soldering and de-soldering tip and heating element away from the body, clothes and flammable material when in operation. • The soldering tip and the heating element remain hot for some time after being switched off. Ensure that you do not touch the soldering tip and the heating element. • For your health, do not inhale solder fumes. • You must not undertake work on live parts. Only a technician is recommended to undertake repairs. Use original replacement parts only.

Temperature setting function:

3 Temperature settings from CH1 to CH3
The setting method is as follows:
To select the function you want to set, first press the function selection key at the bottom of the display screen to select **SOLDER or DESOLDER**. After the selection is completed, the function indication key will point to the function you selected. Please refer to the attached panel diagram.

after selecting the function, please select the temperature setting selection key, you can set three groups of temperatures. If you want to set the first group, **press 1** Then use the temperature adjustment button to adjust to the temperature you want to set, and then press **the SET button** to save the temperature you set，

When setting the second group, **press 2** and then adjust to the temperature you want and press **SET** to save the second group of temperatures, and the third group will be **SET** in this way. When working with the set temperature, the temperature you set will be displayed above the temperature set number you set. After the three sets of temperature settings are completed, the settings can be changed at any time as needed.
The factory setting is 150°C for the first group, 300°C for the second group, and 450°C for the third group.

* **SOLDER AND DESOLDER temperature display** shares the same display screen, you can only see the temperature display of one function at the top at the same time. If you want to see the temperature of another function, please use the **SOLDER and DESOLDER keys at the bottom of the screen to switch to read the temperature data**

Time extension function in order to prevent the tin from staying in the tip of the soldering iron after releasing the button too quickly after using the soldering iron to remove the tin, this machine is equipped with the function of removing the tin after a two-second delay after the switch is released.

Energy safe function If the machine is set 300C and not in use, it will enter a sleep model **“ - - - “** after 20 minutes. Just pick up the soldering iron or press the soldering button to wake up.

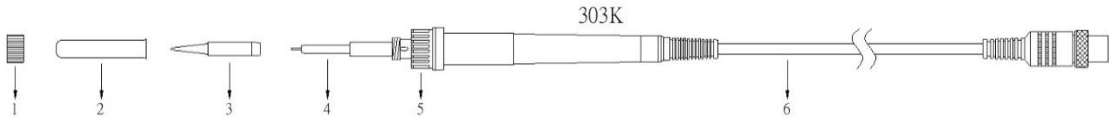
* **Fahrenheit and Celsius conversion :** Unplug the soldering iron on SOLDER, then **press** the SOLDER key and the **number 3 key** to switch

Specification :

Model#	LF-988D+
Power Supply	230V/50Hz
Temperature Range	100℃- 500℃
Dimension	180x105x195mm(W x H x D)
Weight	3.6kg(controller)
	4.5kg(Total weight)

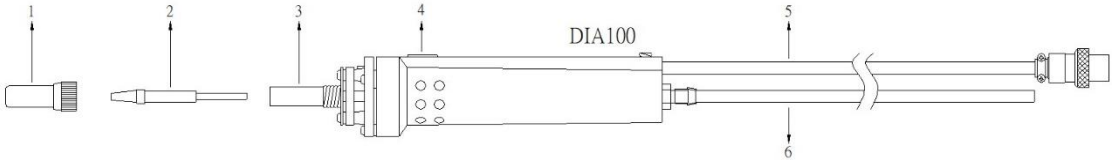
Spare Parts:

Soldering iron 303K



1.**Nut 2.Barrel 3.Soldering tip 4. Heating Element**
5. Heater Holder 6.Power Cord

De-Soldering Iron DIA100+

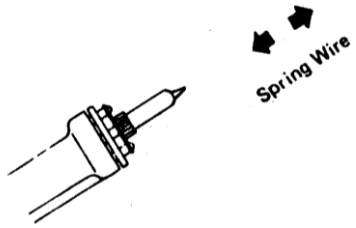


1.Barrel and Nut ass'y 2. Soldering tip 3.Heating element 4.Button

PROCEDURE FOR CLEANING CLOGGED TIPS

CAUTION: This procedure is to be working in high temperature.
Be careful to avoid burning your fingers during this operation.

1. Be sure that the spring wire (included) will not go through the nozzle of the desolder tip.
2. Adjust the heating element to a higher temperature allowing the clogged solder to melt. Clean the tip by sliding the spring wire up and down until the passage is clear. (See Fig. 3)



1. Unscrew the barrel nut assembly as in Figures 4 & 5.

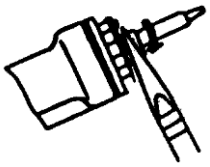


FIG-4

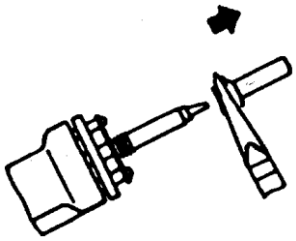


FIG-5

2. Remove the tip by using a pliers as in Figures 6 & 7.

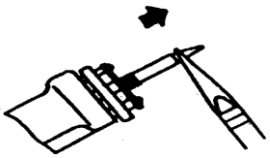


FIG-6

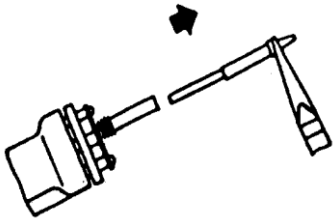


FIG-7

3. Insert the stainless tube of the tip back in the barrel to melt the solder in around 5 seconds as in Figure 8.

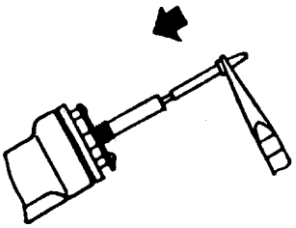


FIG-8

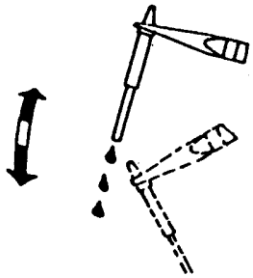


FIG-9

4.Remove again and shake out any loose melted solder in the tip per Figure 9, the tip should now be unclogged. Replace the tip and screw back the retaining barrel nut assembly but care should be taken not to over tighten!

PROCEDURES FOR CLEANING THE SOLDER COLLECTOR

CAUTION: The desolder switch must be turned “OFF” and the iron allowed to cool
before this operation.

1. Hold iron as in Figure 10. Press and turn the red knob at the butt of the iron.

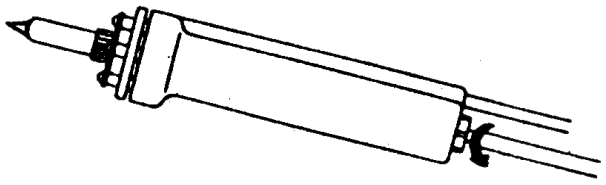


FIG-10

2. Slide out the solder collector as in Figure 11. (CAUTION: The solder collector is
glass and thus retains heat, handle with care!)

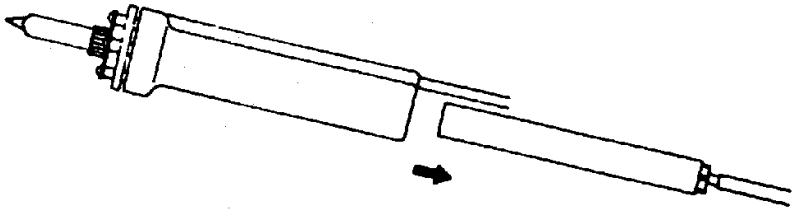


FIG-11

3. Point the collector down while shaking slightly (see Figure 12.) and the waste solder will fall out. This task must be carried out periodically for proper operation of the station.

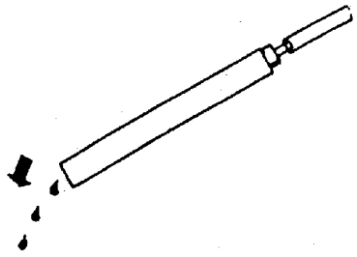


FIG-12

4. Remove cooling strip with a pair of long nose pliers or tweezers. (see Figures 13 & 14)

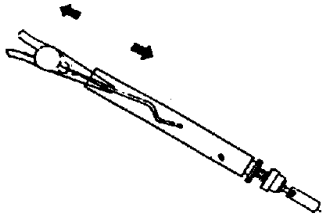


FIG-13

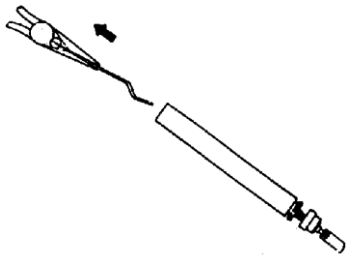


FIG-14

5. Clean the cooling strip and glass collector with wire brush (included).

PROCEDURE FOR REPLACING FILTERS

SOLDER COLLECTOR FILTERS

1. Be sure the iron/filter assembly have cooled.
2. Hold iron as in Figure 10, press/turn red knob on the butt of iron.
3. Remove solder collector (see Figure 11).
4. Disassemble the solder collector into 2 pars (see Figures 15 & 16).

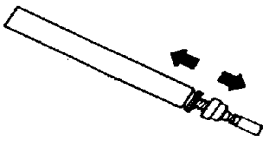


FIG-15

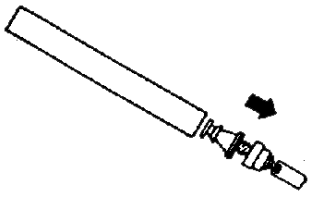


FIG-1

5.Remove old cotton filter and replace (see Figures 17 & 18).

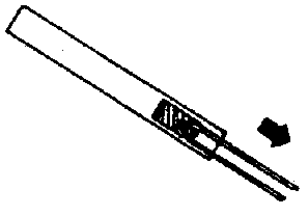


FIG-17

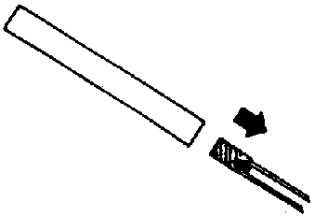


FIG-18

IN LINE FILTERS

1. Unscrew in line filter (see Figure 19) and then pull apart (Figure 20).



FIG-19

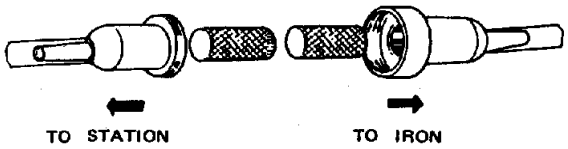
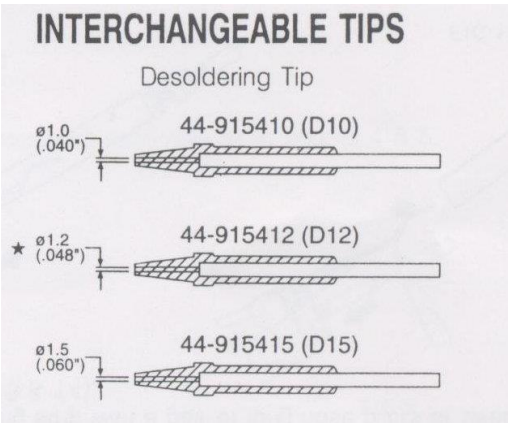


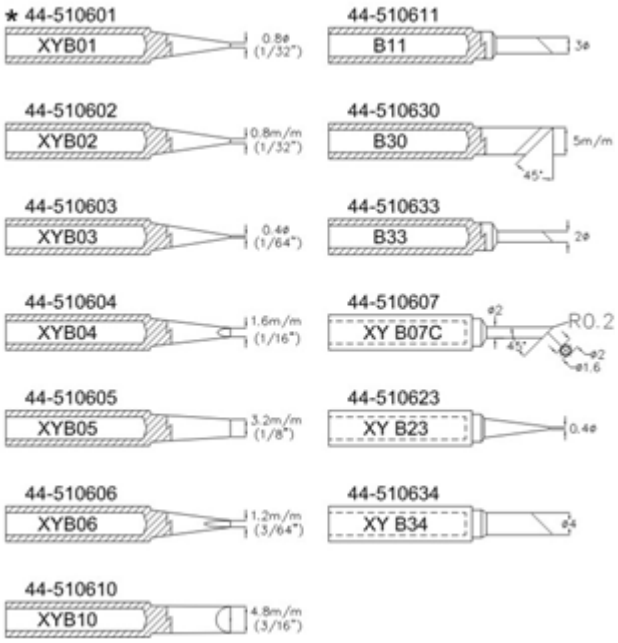
FIG-20

INTERCHANGEABLE TIPS FOR LF-988D+

Desoldering tips DIA100+



Soldering tips for 303K



MAINTENANCE NOTE FOR DIA100+

Change of Cotton Filament (76-1411030):
Please note that the cotton filament cannot be washed with the water. Water drops would be sucked into the Pump and may cause the pump damaged within 1 to 2 months. If you wash with the water, **Cotton filament** will turn solid and will stop the DIA100 working well. Please change **at least** once 3 to 5 days if you use **8 hours** per day.

Change of Charcoal Filter (78-151500):
Charcoal filter will turn solid if you wash with the water. If you use 8 hours per day that the Charcoal filter has to be changed within 3 weeks. On the other hand, if you wash the Charcoal filter and do not dry properly, water drops will be sucked into the Pump and may cause the pump damaged easily.

Change of Glass Solder Collector (75-160110):
Glass solder collector will be broken easily if the client knocked the DIA100 against the desktop. The glass collector also needs to be changed every 3 to 5 months usage.

Maintenance for Desoldering Heater and Tip:

To prevent the desoldering tip being stuck by solder, the desoldering tip has to be cleaned by a Probe after every time usage. In such ways, desoldering tip's life can be lasting longer. Desolder Heater would be probably broken when you remove the desoldering tip with a pliers careless in hot condition. Slightly remove the tip with pliers or may use the anti-rusty cleaner when the tip clogged with the heater and do not forced open. Please read the "**Procedure for Cleaning Clogged Tips**" carefully on page9 on the manual.