www.jbctools.com

English

Premium Desoldering station with Pneumatic Pump

Ref. DIV-D

Packing List

The following items should be included:

DI Control Unit .....1 unit
Ref. DI-1D (120V)
DI-2D (230V)
DI-9D (100V)

Desoldering Iron.....1 unit
Ref. DR560-A

Union Flanges ..... 1 unit
Ref. 0011356

Stand Cable..... 1 unit
Ref. 0011283

Pneumatic Desoldering Module.....1 unit
Ref. MV-A

Tip Cleaner.....1 unit
Ref. CL9885

Power cord .....1 unit
Ref. 0009417 (100V/120V)
0009401 (230V)

Stand ..... 1 unit
Ref. DR-SD

Sponge ..... 1 unit
Ref. S0354

Brush ..... 1 unit
Ref. CL6217

Module Cable .....1 unit
Ref. 0010207

DR560 Accessories.....1 unit

Long Cleaning tips set
Ref. 0965760

Cleaning tips set
Ref. 0965970

Internal joint Case
Ref. 0812360 (x2)

Tip ..... 1 unit
Ref. C560013

Tip ..... 1 unit
Ref. C560004

Tip ..... 1 unit
Ref. C560005

Escape Filter .....1 unit
Ref. 0008446

Suction Filter ..... 1 unit
Ref. 0821830

Filter Box .....1 unit
Ref. 0780840
It contains 10 filters

Cotton Filter .....10 unit
Ref. 0781046

Filter Box .....1 unit
Ref. 0005966
It contains 50 filters

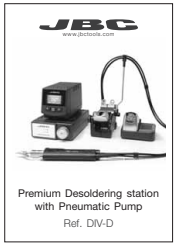
Spanner ..... 1 unit
Ref. 0780550

Metal tin diposit ..... 1 unit
Ref. 0812630

Tin diposit .....1 unit
Ref. 0812620

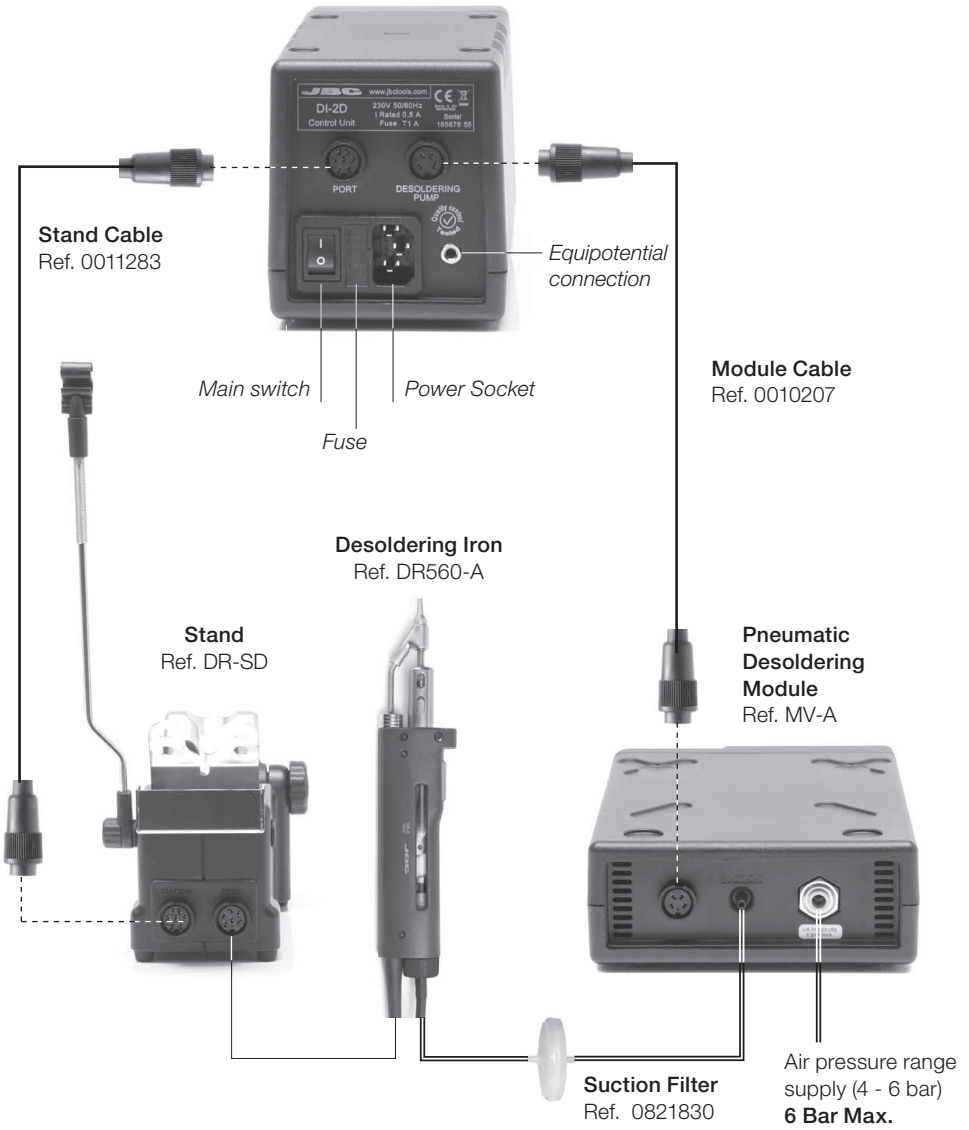
Cleaning stick .....1 unit
Ref. 0786640

Manual ..... 1 unit



Features

DI Control Unit
Ref. DI-1D (120V)
DI-2D (230V)
DI-9D (100V)

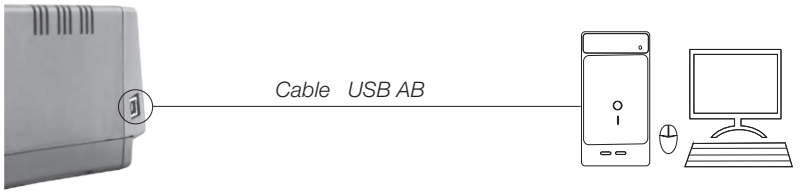


USB Connector

Download the latest software from our website to improve your soldering station.

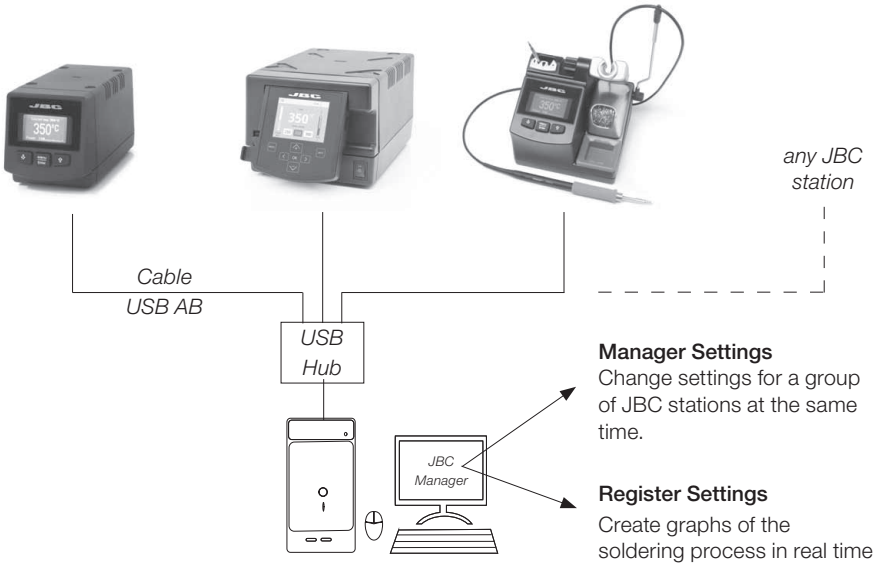
JBC Updater
www.jbctools.com/software.html

Update the station software via USB connection:



JBC Manager
www.jbctools.com/manager.html

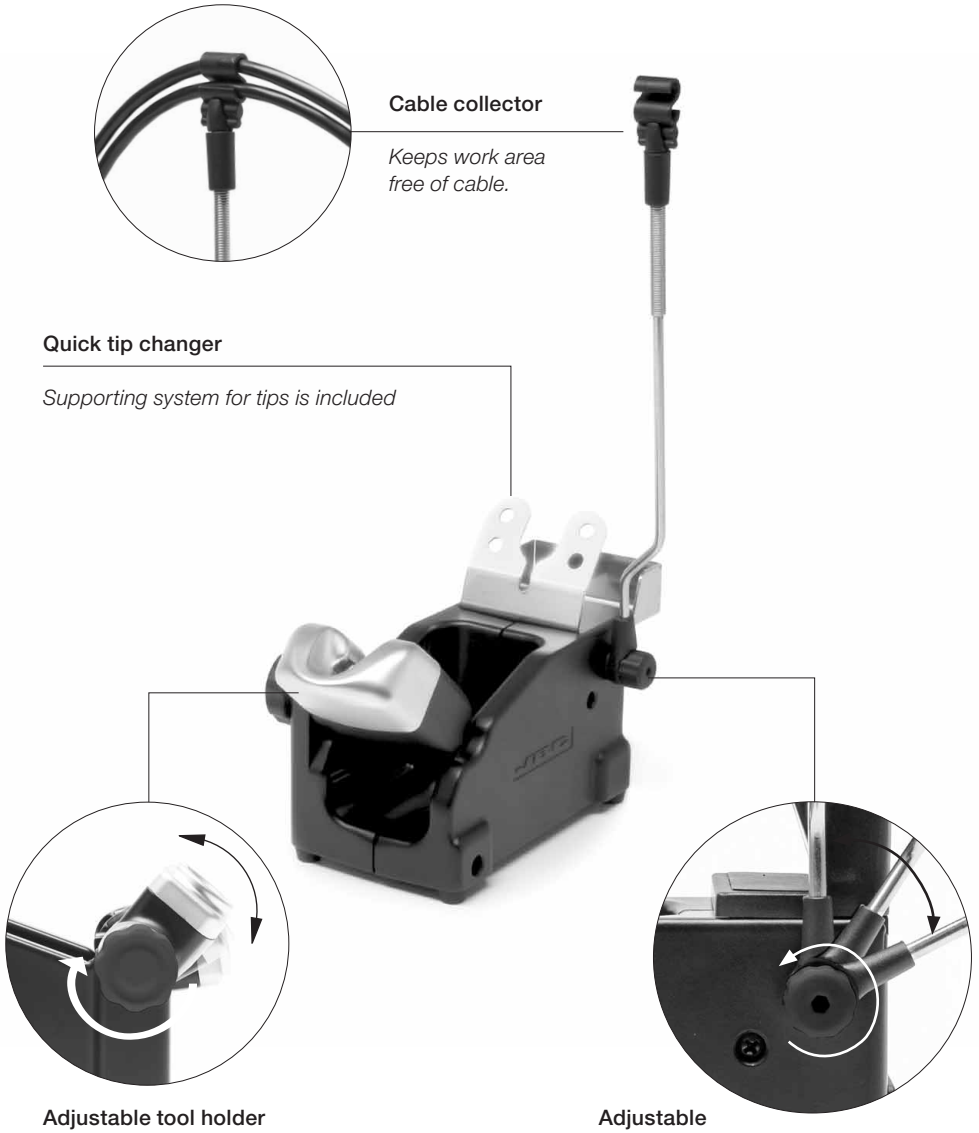
Manage and monitor as many stations as your Windows PC can handle by using the JBC Manager. You can export data to another PCs.



Manager Settings
Change settings for a group of JBC stations at the same time.

Register Settings
Create graphs of the soldering process in real time with power and temperature data.

Stand



Cable collector

Keeps work area free of cable.

Quick tip changer

Supporting system for tips is included

Adjustable tool holder
Suits your work position.

Adjustable cable collector

Tip Cleaner

Improve thermal transfer by cleaning the tip after each solder joint.

Brass wool
Ref. CL6210
Very effective cleaning method. It leaves a small layer of solder on the tip to prevent oxidation between cleaning and rewetting.

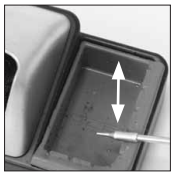
Sponge
Ref. S0354
The least harmful cleaning method. Keep the sponge damp with distilled water when working to avoid tip wear.

Splashguard
It prevents splashing of solder particles when using the brass wool.

Non-slip base
No need to hold the base while cleaning tips.

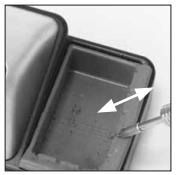
Wiper
Ref. CL0236
A temperature resistant receptacle lets the operator remove excess solder by gentle tapping or wiping. It can be easily removed for cleaning.

Tapping:



Tap gently to remove excess solder.

Wiping:



Use the slots to remove remaining particles.

Optional

Inox wool
Ref. CL6205

Brushes
Ref. CL6220

Tip-tinner
Ref. TT-A

Sand
Ref. CL6211

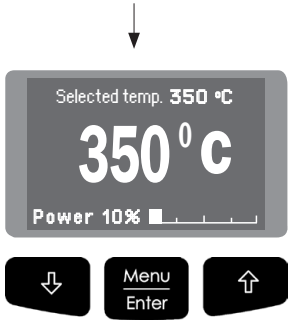
Operation

The JBC Exclusive Heating System

This revolutionary technology is able to recover the tip temperature extremely quickly.
This allows the user to work at a lower temperature.
As a result, tip life is extended by 5.

1. Work

When the tool is lifted from the stand it will heat up to the selected temperature.



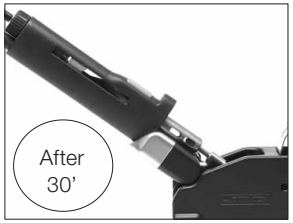
- *Change temperature (from 90 to 450ºC)*
- *Set temperature limits*
- *Select temperature levels*
- *Fix one temperature*

2. Sleep

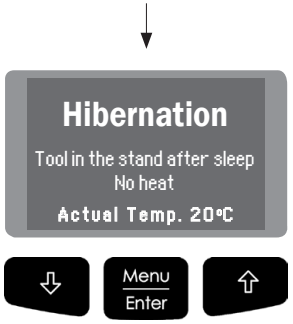
When the tool is in the stand, the temperature falls to 180ºC / 360ºF (preset sleep temperature).

- *Change Sleep temperature*
- *Set Sleep delay (from 0 to 9 min or no Sleep)*

3. Hibernation



After longer periods of inactivity (pre-set to 30 min.), the power is cut off and the tool cools down to room temperature.

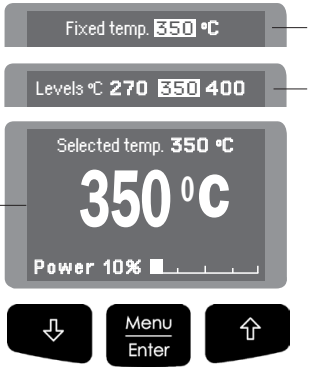


- *Set Hibernation delay (from 0 to 60 min or no hibernation)*

Process Control

Work Screen

The work screen provides useful information of tool status in real time.

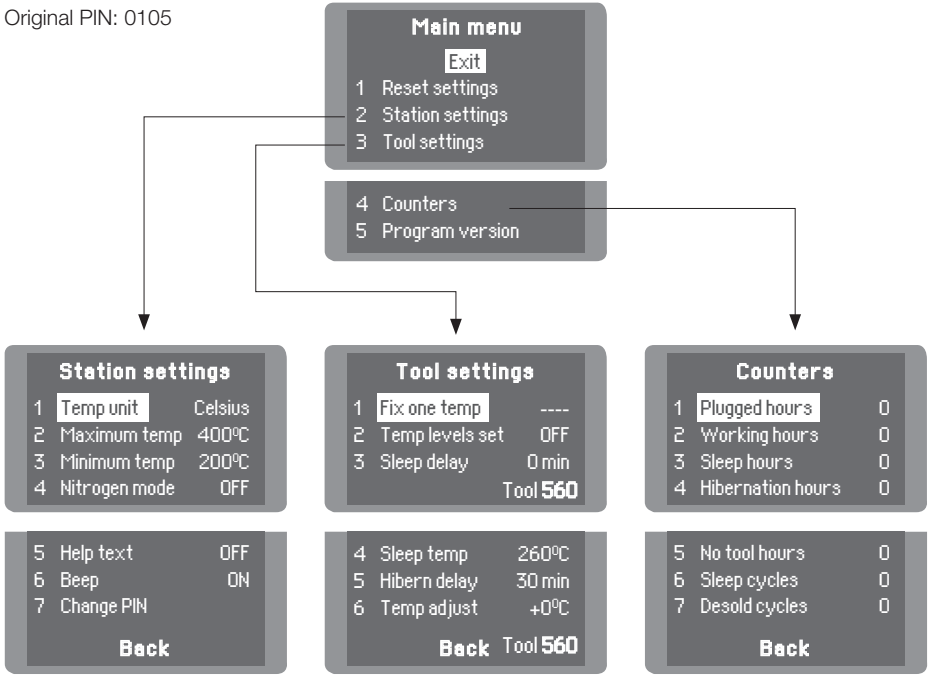


Displays a specific fixed temp.

Shown when you have selected temp. levels.

Menu Screen

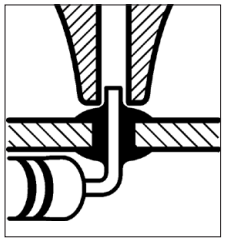
Original PIN: 0105



Desoldering process

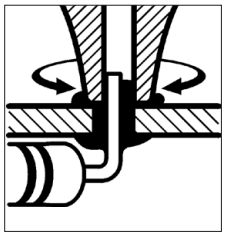
Use a tip with a larger diameter than the pad to achieve maximum aspiration and thermal efficiency.

1. Placing



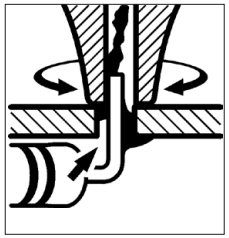
Place the tip with the component terminal in the hole.

2. Rotating



When the solder liquefies, gently rotate the tip so that the component terminal can be lifted off.

3. Aspirating



Press the vacuum pump button long enough to remove the solder.

After pressing the desoldering key there is a slight delay until the self-contained vacuum pump stops. This makes sure that the vacuum circuit is completely empty. If any solder remains are left on a terminal after desoldering it, resolder it with fresh solder and repeat the desoldering operation.

Changing Tips

This operation should be done while the tip is hot, not below 250°C, so that any tin left inside is in molten state.

1. Removing
Unscrew the tip using the spanner supplied.

2. Inserting
Fit the new tip and tighten with the spanner to make sure it is air tight.

Compatible Tips

The DR560 works with C560 tips. Find the model that best suits your work needs in **www.jbctools.com**

Changing the Heating Element

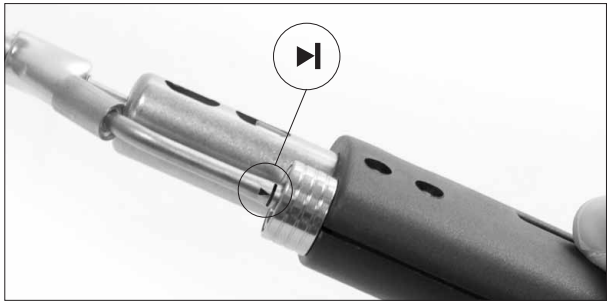
To perform this operation, turn off the station or disconnect the tool.

1. Loosening
The deposit lid needs to be loosened.

2. Removing
Loosen the screw as shown and remove the Heating Element.

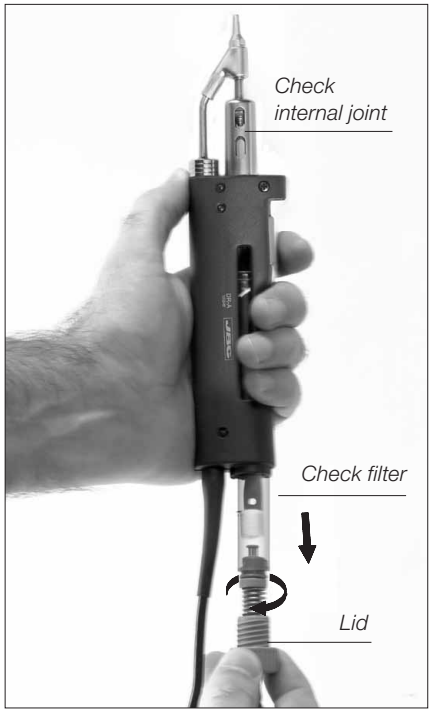
3. Placing
Place the new Heating Element and follow the steps conversely.

Important
For a proper connection it is essential to insert the cartridge by lining it up to the mark ▶|.



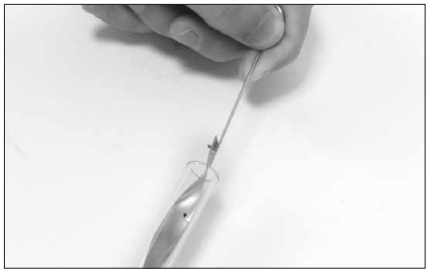
Tin Deposit Cleaning

1. Removing the lid

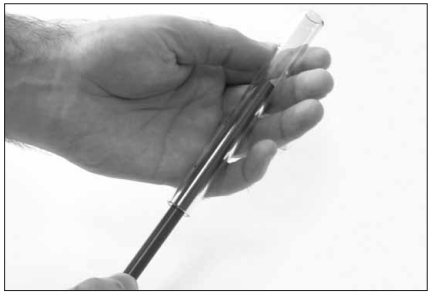


The lid must be removed with the DR560 in vertical position.

2. Cleaning



Remove the coil to clean the inside of the deposit with the stick supplied.

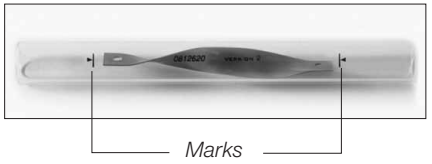


The filter and internal joint must be checked and replaced if dirty or damaged.

3. Inserting the deposit

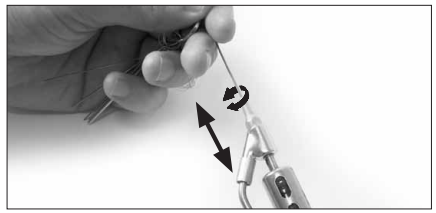
The deposit must be inserted with coil filter in place, positioned between the 2 lines marked on the tin deposit.

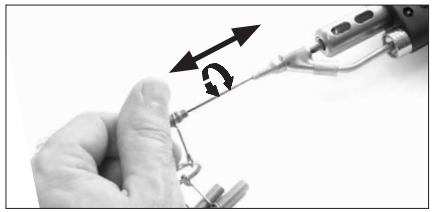
Then the whole unit must be closed by screwing the lid.



Tip Care

The intake tube should be periodically cleaned by the largest rod.

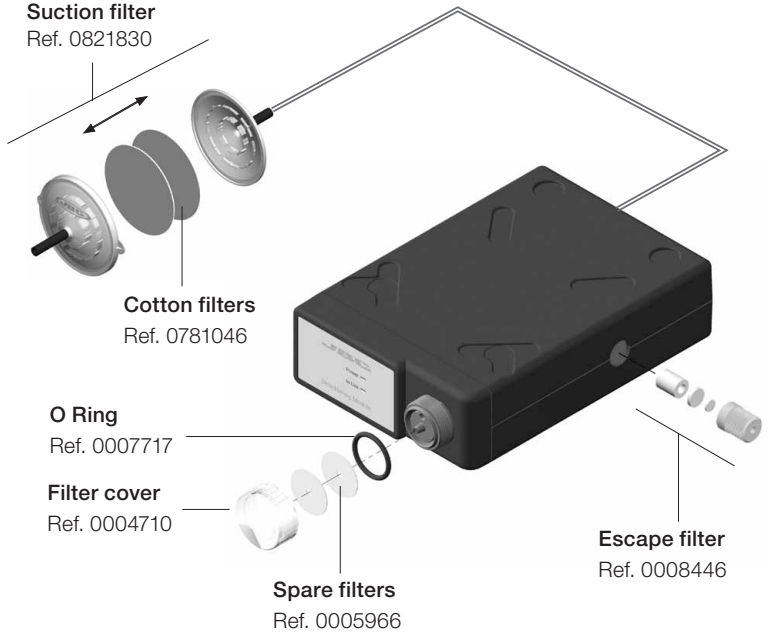




Important
DO NOT press the vacuum pump button while tinning the desoldering tip, as the fumes given off by the flux would quickly block the ducts and the air filter.

Changing the Pump Filters

Important
Do not use sharp pointed objects to open the suction filter.



Maintenance

Before carrying out maintenance or storage, always allow the equipment to cool.

- Clean the station screen with a glass cleaner or a damp cloth.

- Use a damp cloth to clean the casing and the tool. Alcohol can only be used to clean the metal parts.

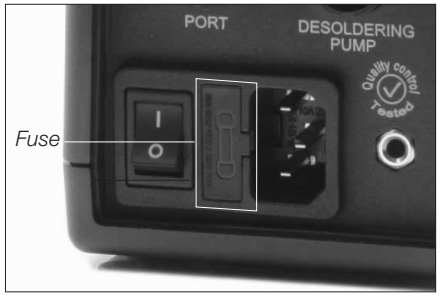
- Periodically check that the metal parts of the tool and stand are clean so that the station can detect the tool status.

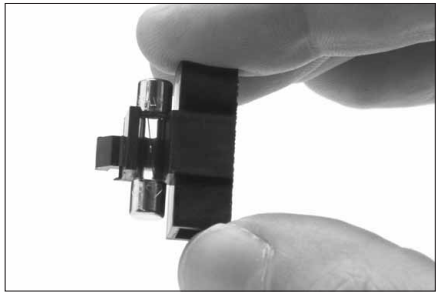
- Maintain tip surface clean and tinned prior to storage in order to avoid tip oxidation. Rusty and dirty surfaces reduce heat transfer to the solder joint.

Clean periodically

- Periodically check all cables and tubes.

- Replace a blown fuse as follows:





1. Pull off the fuse holder and remove the fuse. If necessary use a tool to lever it off.

2. Press the new fuse into the fuse holder and replace it in the station.

- Replace any defective or damaged pieces. Use original JBC spare parts only.

- Repairs should only be performed by a JBC authorized technical service.

Safety

It is imperative to follow safety guidelines to prevent electric shock, injury, fire or explosion.

- Do not use the units for any purpose other than soldering or rework. Incorrect use may cause fire.

- The power cord must be plugged into approved bases. Be sure that it is properly grounded before use. When unplugging it, hold the plug, not the wire.

- Do not work on electrically live parts.

- The tool should be placed in the stand when not in use in order to activate the sleep mode. The soldering tip, the metal part of the tool and the stand may still be hot even when the station is turned off. Handle with care, including when adjusting the stand position.

- Do not leave the appliance unattended when it is on.

- It is necessary to turn the station off before changing tips.

- Do not cover the ventilation grills. Heat can cause inflamable products to ignite.

- Use a “non residue” classified flux and avoid contact with skin or eyes to prevent irritation.

- Be careful with the fumes produced when soldering.

- Keep your workplace clean and tidy. Wear appropriate protective glasses and gloves when working to avoid personal harm.

- Utmost care must be taken with liquid tin waste which can cause burns.

- This appliance can be used by children over the age of eight and also persons with reduced physical, sensory or mental capabilities or lack of experience provided that they have been given adequate supervision or instruction concerning use of the appliance and understand the hazards involved. Children must not play with the appliance.

- Maintenance must not be carried out by children unless supervised.

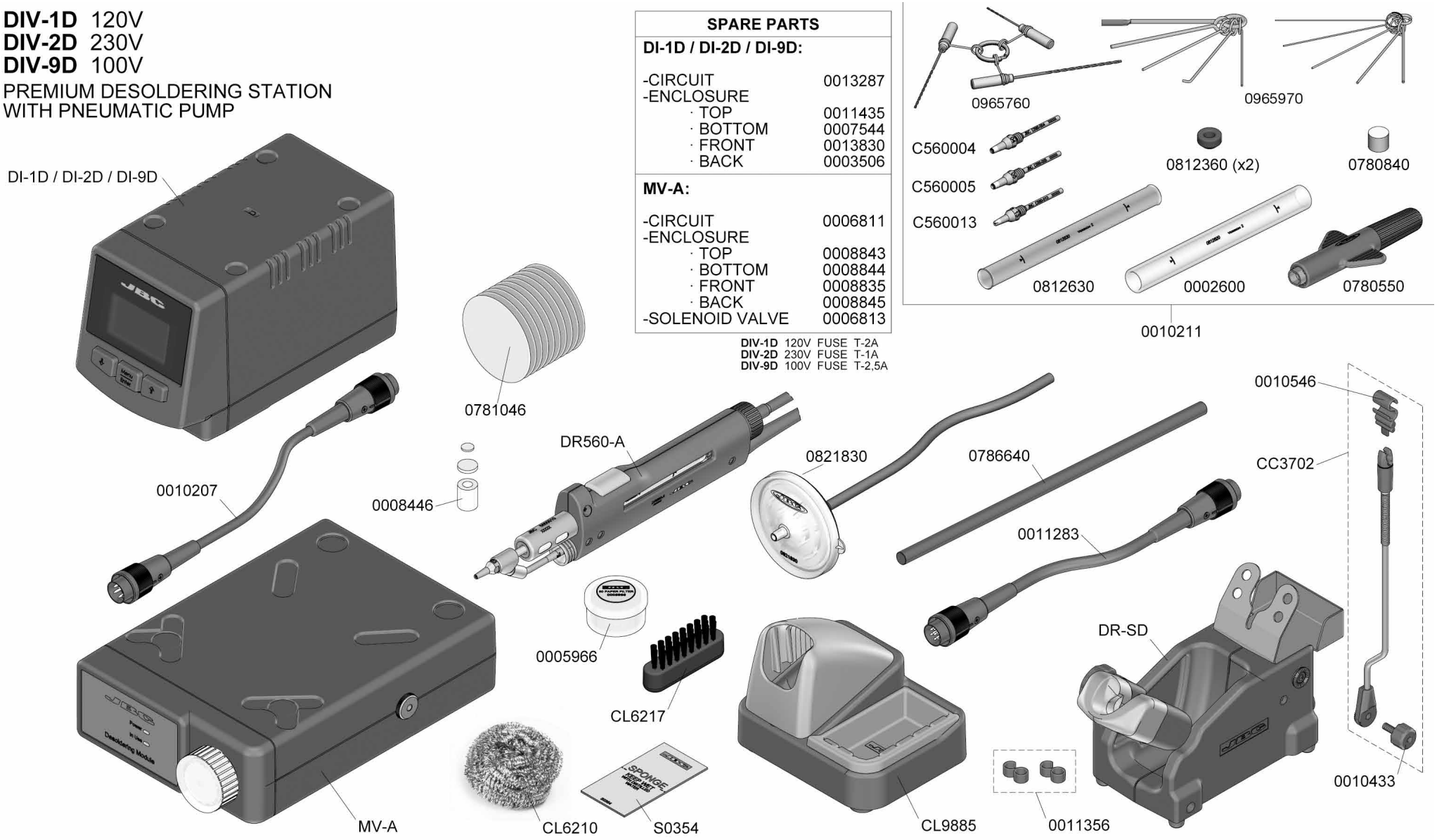
Exploded View

DIV-1D 120V
DIV-2D 230V
DIV-9D 100V

PREMIUM DESOLDERING STATION
WITH PNEUMATIC PUMP

SPARE PARTS	
DI-1D / DI-2D / DI-9D:	
-CIRCUIT	0013287
-ENCLOSURE	
· TOP	0011435
· BOTTOM	0007544
· FRONT	0013830
· BACK	0003506
MV-A:	
-CIRCUIT	0006811
-ENCLOSURE	
· TOP	0008843
· BOTTOM	0008844
· FRONT	0008835
· BACK	0008845
-SOLENOID VALVE	0006813

DIV-1D 120V FUSE T-2A
DIV-2D 230V FUSE T-1A
DIV-9D 100V FUSE T-2,5A



Specifications

Premium Desoldering station with Pneumatic Pump
DIV-1D / **DIV-2D** / **DIV-9D**
- Total weight: 5.6 kg (12.3 lb)

DI-1D 120V 50/60Hz. Input fuse: 2A. Output: 23.5V.
DI-2D 230V 50/60Hz. Input fuse: 1A. Output: 23.5V.
DI-9D 100V 50/60Hz. Input fuse: 2.5A. Output: 23.5V.
- Total unit weight: 4.4 kg (9.6 lb)
- Size: 90 x 105 x 180 mm
- Temperature selection from 90°C (190°F) to 450°C (840°F)
- Output Peak Power: 130W
- Tip to ground resistance: <2 ohms
- Ambient operating temp: 10-40 ºC / 50-104 ºF
- USB connector station-PC

MV-A
- Weight: 0,7 Kg (1.6lb)
- Dimensions:145 x 55 x 225 mm
- Air pressure range supply: 4 - 6 bar
- Vacuum (at 6 bar): 90% / 680 mmHg / 26.8 inHg
- Flow rate: 15 SLPM

Complies with CE standards
ESD protected housing “skin effect”

JBC

Warranty

JBC's 2 year warranty covers this equipment against all manufacturing defects, including the replacement of defective parts and labour.
Warranty does not cover product wear due to use or mis-use.
In order for the warranty to be valid, equipment must be returned, postage paid, to the dealer where it was purchased.

This product should not be thrown in the garbage.
In accordance with the European directive 2002/96/EC, electronic equipment at the end of their life must be collected and returned to an authorized recycling facility.

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