

# **JBC**

[www.jbctools.com](http://www.jbctools.com)

## **INSTRUCTION MANUAL**



### **DS360**

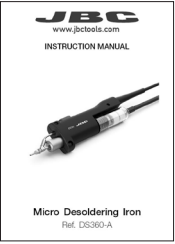
Micro Desoldering Iron

This manual corresponds to the following reference:

**DS360-A**

**Packing List**

The following items are included:



**Micro Desoldering Iron** ..... 1 unit  
*Tip Ref. C360004 already inserted*

**Manual** ..... 1 unit  
 Ref. 0028149

**DS360 Accessories**  
 Ref. 0010259

<p><b>Tips</b> ..... 10 units          Ref. C360002 (x5)          C360004 (x5)</p>	<p><b>Union Flanges</b> ..... 2 units          Ref. 0011356</p>	<p><b>Filter</b> ..... 2 units          Ref. 0008473</p>
<p><b>Cleaning Brush</b> ..... 1 unit          Ref. 0008297</p>	<p><b>Solder Collector</b> ..... 2 units          Ref. 0008467</p>	<p><b>Cleaning Rods</b> ..... 1 unit          Ref. 0008466</p>

## Connection

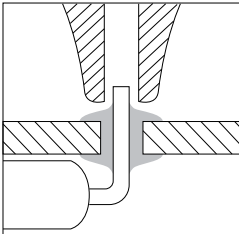
### Micro Desoldering Iron Ref. DS360-A



## Desoldering process

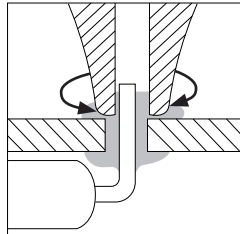
When desoldering, use a tip with a diameter larger than the pad being desoldered. This will achieve maximum suction and thermal efficiency.

### 1. Placing



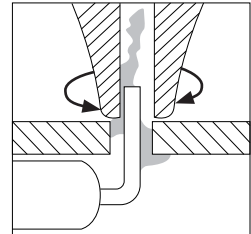
Place the tip so that it fits over the component terminal.

### 2. Circular Movement



When the solder joint liquifies gently describe circles around the pin. Using the pin as the center of your movement.

### 3. Aspirating



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

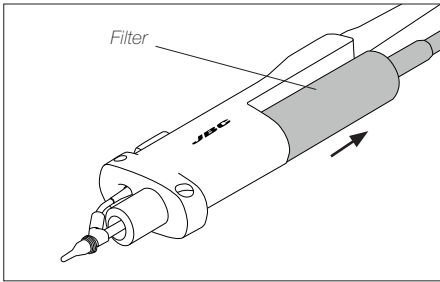
The vacuum pump will continue to run for a few seconds. This makes sure that the vacuum circuit is completely empty. If there is any solder remains left on a terminal, just resolder it with fresh solder and repeat the desoldering operation.

# Desoldering Iron Maintenance

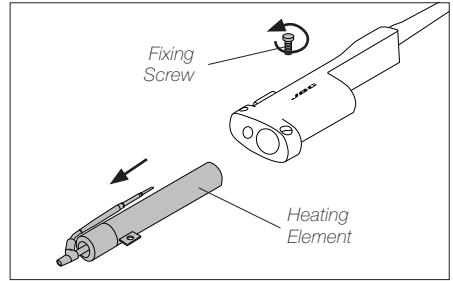
**⚠ Note:** For the following operations, turn off the station or disconnect the tool and wait until the tool temperature drops to room temperature.

## Changing Heating Element

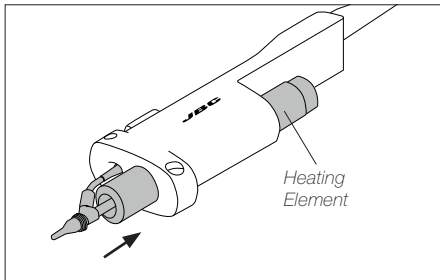
1. Remove the filter before changing the heating element.



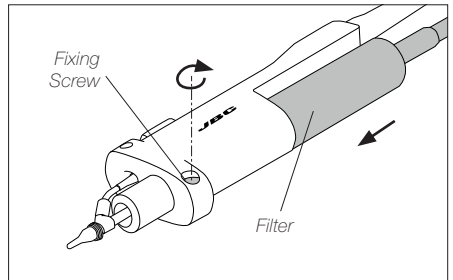
2. Remove the fixing screw and take out the heating element.



3. Insert the new heating element into the tool.

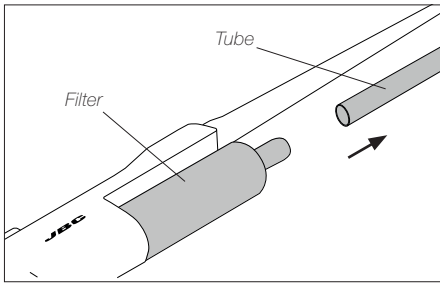


4. Tighten the fixing screw and insert the filter.

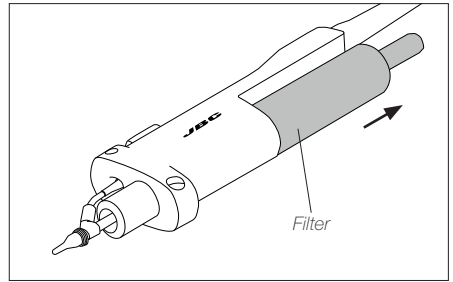


## Changing Iron Filter

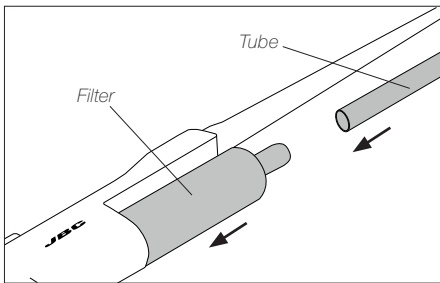
1. Remove the tube from the filter.



2. Remove the filter from the tool.



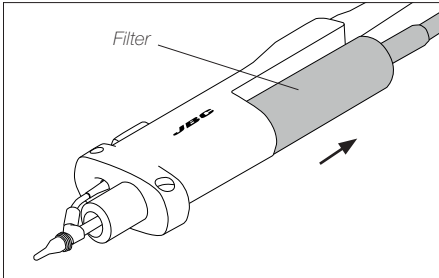
3. Insert a new filter (ref. 0008473) into the tool and mount the tube onto the filter.



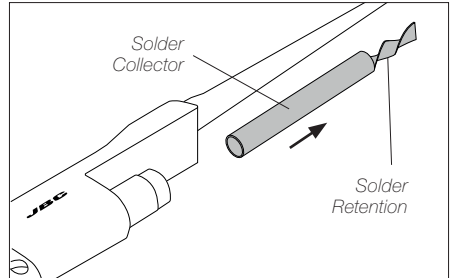
## Cleaning Solder Collector

**⚠ Note:** For these operations, turn off the station or disconnect the tool and wait until the tool temperature drops to room temperature.

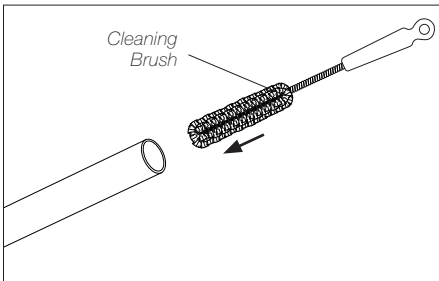
1. Remove the filter before cleaning the solder collector.



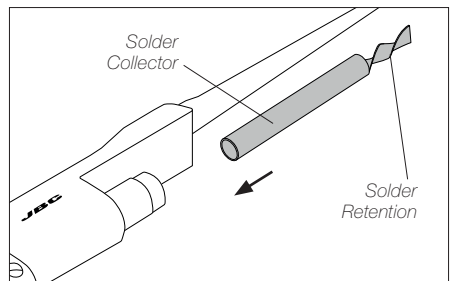
2. Take out the solder collector with the metal solder retention.



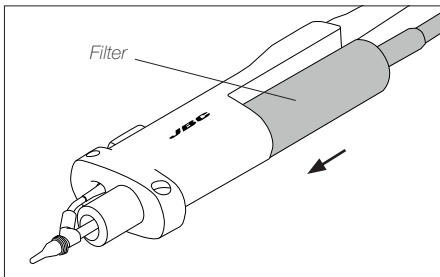
3. Use the cleaning brush (ref. 0008297) to clean the solder collector inside or replace it with a new one.



4. Insert the solder collector with the metal solder retention into the heating element.



5. Mount the filter onto the tool.



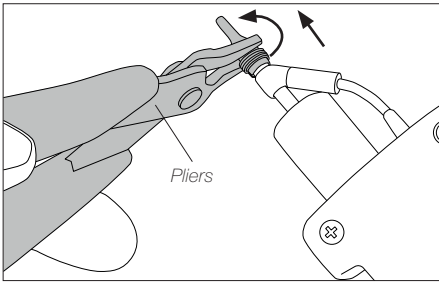
## Tip Care

To prevent tip oxidation cover the tip with solder tin when not in use. **⚠️ Note:** 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.

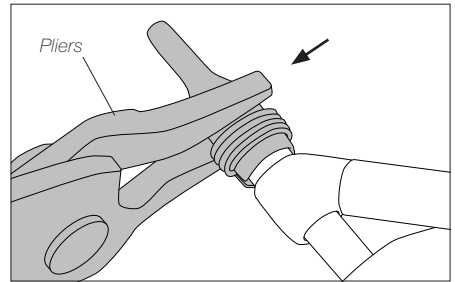
### Changing Tips

**⚠️ Note:** This operation should be done while the tip is hot and at a minimum temperature of 250°C so that any tin left inside is still molten.

1. To remove the tip, use a pair of flat-nosed pliers, twist the tip and pull.



2. To fasten the tip, do not hold it on the spring clamp. Place the pliers directly in front of the spring.

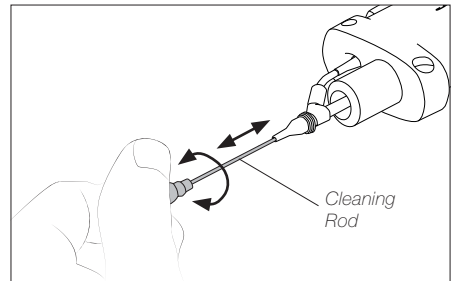


### Cleaning Tips

The tip hole should be periodically cleaned.

**⚠️ Note:** Let the tool cool down before performing this operation.

Choose the cleaning rod diameter according to the tip size. Put the rod at the tip and gently move it back and forth while turning it slightly.



### Compatible Tips

DS360 uses C360 tips. Different sizes are available for through-hole desoldering and pad cleaning. Find the model that best suits your soldering needs at: [www.jbctools.com](http://www.jbctools.com)

Through-Hole  
Desoldering



Pad Cleaning



# Maintenance

Before carrying out maintenance, always switch the device off and disconnect it from the mains. Allow the equipment to cool down.

- Use a damp cloth to clean 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's status.
- Maintain the 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.
- Periodically check all cables and tubes.
- 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 protect health and prevent electric shock, injury, fire or explosions.**

- Do not use the tool for any purpose other than soldering or rework. Incorrect use may cause a fire.
- 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 or nozzle, 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.
- Heat can cause inflammable products to ignite even when out of sight.
- Be careful with the remains of liquid tin. Avoid flux coming into contact with skin or eyes to prevent irritation.
- Utmost care must be taken with liquid tin waste which can cause burns.
- Be careful with the fumes produced when soldering.
- Keep your workplace clean and tidy. Wear appropriate protection glasses and gloves when working to avoid personal harm.
- This appliance can be used by children over the age of eight as well as persons with reduced physical, sensory or mental capabilities or lacking of experience provided that they have been given adequate supervision or instruction concerning the 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.





# Specifications

## DS360

### Micro Desoldering Iron

Ref.: **DS360-A**

- |                                |                                  |
|--------------------------------|----------------------------------|
| - Total Net Weight:            | 176 g / 0.39 lb                  |
| - Package Dimensions / Weight: | 300 x 125 x 65 mm / 341 g        |
| (L x W x H)                    | 11.81 x 4.92 x 2.56 in / 0.75 lb |

Complies with CE standards.  
ESD safe.

# 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 or misuse.

In order for the warranty to be valid, equipment must be returned, postage paid, to the dealer where it was purchased.

**Get 1 extra year JBC warranty by registering here:**  
<https://www.jbctools.com/productregistration/>  
**within 30 days of purchase.**



This product should not be thrown in the garbage.

In accordance with the European directive 2012/19/EU, electronic equipment at the end of its life must be collected and returned to an authorized recycling facility.



[www.jbctools.com](http://www.jbctools.com)

0028149-211222