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INSTRUCTION MANUAL

Soldering Iron Handles

Ref. T210 / T245 / T470

Features

For C245 Cartridge range

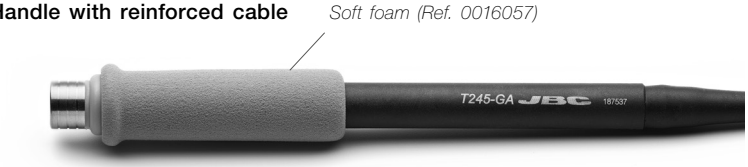
The soldering iron handles for general purposes are suitable for both SMD components and jobs with high power requirements (e.g. ground plane soldering).

General Purpose Handle
Ref. T245-A

Blue Handle
Ref. T245-PA

Non-slip Handle
Ref. T245-B

General Purpose Handle with reinforced cable
Ref. T245-GA



Note: All models are supplied with a 1.5 m cable.

For C210 Cartridge range

The T210 handles are suitable for precision soldering jobs with medium power requirements. Due to their size, they work with conventional and small SMDs as well as under a microscope.

Precision Purpose Handle
Ref. T210-A

Blue Precision Handle
Ref. T210-PA

For C470 & C245 Cartridge ranges

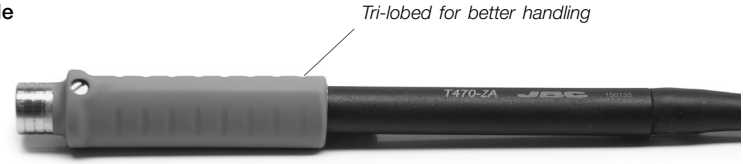
For intensive soldering jobs requiring continued high thermal power. They feature good thermal insulation with a screw to fasten the cartridge which prevents rotation.

HD Purpose Handle
Ref. T470-A

Heavy Duty HD Handle
Ref. T470-B

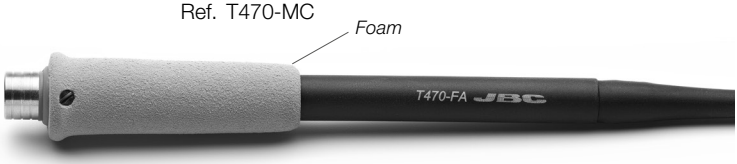
HD Purpose Handle + 3m cable
Ref. T470-SA

Tri-lobed HD Handle
Ref. T470-ZA



Thermal Insulator HD Handle
Ref. T470-FA

Soft Thermal Insulator HD Handle + 3m cable
Ref. T470-MC



Note: All models are supplied with a 1.5 m cable except those specified with 3 m.

Nitrogen Handles features

These are for working in an oxygen-free atmosphere providing better quality soldering. They offer extra heat to the solder joint and help prevent oxidation. The JBC GN-A Nitrogen Generator Module or an external nitrogen feed is needed at the operator's bench.

For C210 Cartridge range

Nitrogen Precision Handle
Ref. T210-NA

Nozzles
Ref. B6647

For C245 Cartridge range

Nitrogen Handle
Ref. T245-NA

Nozzles
Ref. B7968
B7244

For C470 Cartridge range

Nitrogen HD Handle
Ref. T470-NA

Nozzles
Ref. B6193
B6194
B6195

Changing T210 & T245 Cartridges

Save time and change cartridges safely without switching the station off.

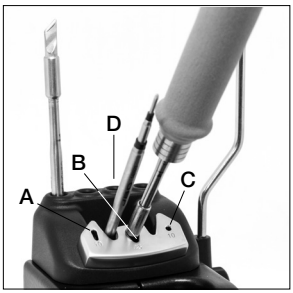
1. Removing

Place the Cartridge in the extractor and pull the handle to remove it.

2. Inserting

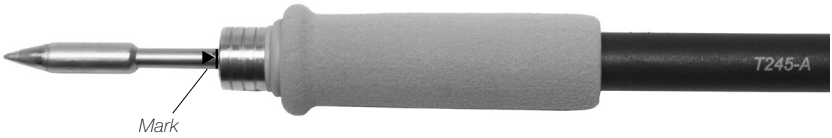
Place the handle on top of the new Cartridge and press down.

3. Fixing



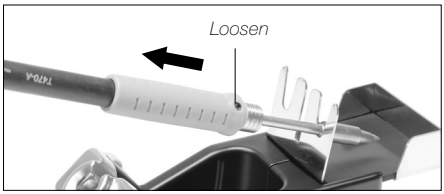
Use the holes to fix the Cartridge* as follows:
A. For straight C210.
B. For curved C245.
C. For curved C210.
D. For cold cartridge holder

***Important**
It is essential to insert the cartridges as far as the mark for a proper connection.



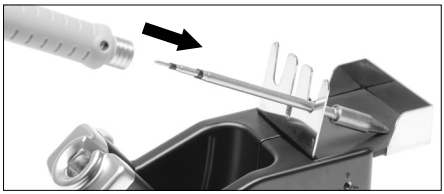
Changing T470 Cartridges

1. Removing



Loosen the screw. Place the Soldering Iron in the extractor and remove the cartridge.

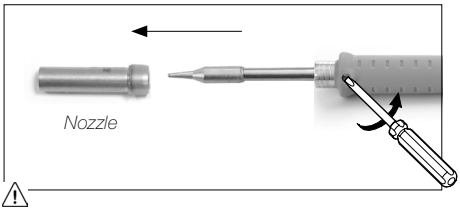
2. Inserting



Insert the new cartridge* and press slightly as far as the mark and tighten the screw.

Changing Nitrogen Cartridges

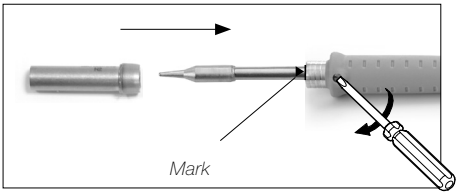
Before changing the cartridge



First remove the nozzle. Then loosen the screw to remove the cartridge (T245-NA / T470-NA).

Use a pliers to change or remove nozzles when hot.

After changing the cartridge



Insert the cartridge, tighten the screw and then place the nozzle.

***Important**

It is essential to insert the cartridges as far as the mark for a proper connection.

Maintenance

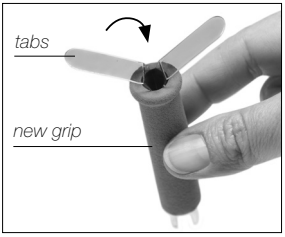
- Before carrying out maintenance, always unplug the stand and the tool.
- Check periodically that the metal parts of the tool and the stand are clean to ensure detection of the tool when it is in the stand. Use a damp cloth or alcohol.
- Periodically check all cables and tubes connections.
- Replace any defective or damaged pieces. Use original JBC spare parts only. Repairs should only be performed by a JBC authorized technical service.

Replacing grips

Easily replace the **Grips** (Ref. 0016057 and Ref. 0018658) using the slide-on tabs.

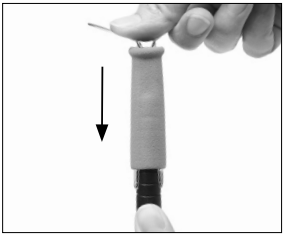
⚠ Before replacing the grip, unplug the power supply and make sure the device is not hot.

1. Inserting tabs



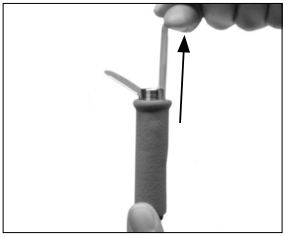
Insert the slide-on tabs into the new grip.

2. Inserting handle



Push the grip with the tabs onto the handle.

3. Removing tabs



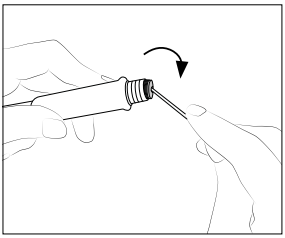
Hold the grip and pull them out. Use a pliers if necessary.

Replacing Seals

The Seal is meant to prevent undesirable flux vapors or particles from entering inside the tool. Its usage is highly recommended for intensive applications when soldering in exposed to FOD environments or for applications where the soldering iron works close to vertical position.

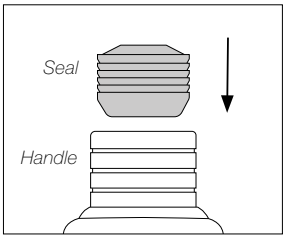
⚠ Before replacing the seal, unplug the power supply and make sure the device is not hot.

1. Removing the Seal



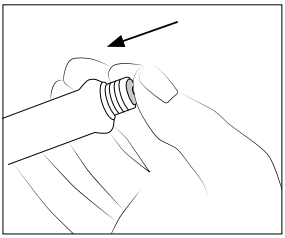
Enter a small shaft or screwdriver in order to gently lift and pull the Seal.
Do not insert the tool more than 8 mm deep.
Never use a cartridge to do this operation.

2. Mounting position



Note the Seal mounting position. The chamfered side has to be positioned towards the Handle.

3. Inserting the Seal



Gently push the Seal inside the handle until it is completely into the Handle.
Handle and Seal edges have to be aligned.

Accessories

Fume extractor
Ref. F3435 (for T245 / T470)
Ref. F3450 (for T210)

Clips can be easily removed for quick maintenance.

Cable collector
Ref. CC1001
Keeps the work area free of cable.

Compatibility

Handle	Cartridge Range	CD	Stand	DI	DDE	DME	HDE
T210-A	C210	●	AD-SE	●	●	●	
T210-PA		●		●	●	●	
T245-A	C245	●		●	●	●	
T245-PA		●		●	●	●	
T245-B		●		●	●	●	
T245-GA		●		●	●	●	
T470-A	C245	●	AD-SE	●	●	●	
	C470		HD-SE				●
T470-B	C245	●	AD-SE	●	●	●	
	C470		HD-SE				●
T470-SA	C245	●	AD-SE	●	●	●	
	C470		HD-SE				●
T470-ZA	C245	●	AD-SE	●	●	●	
	C470		HD-SE				●
T470-FA	C245	●	AD-SE	●	●	●	
	C470		HD-SE				●
T470-MC	C245	●	AD-SE	●	●	●	
	C470		HD-SE				●
T210-NA*	C210		DN-SE	●	●	●	
T245-NA*	C245			●	●	●	
T470-NA*	C245			●	●	●	
	C470						●

* The MNE Nitrogen Flow Regulator is required. Use the proper nozzle according to the cartridge.

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 cable must be plugged into approved bases. Make 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 after the station is turned off. Handle with care, including when adjusting the stand position.

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

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

- Avoid flux coming into contact with skin or eyes to prevent irritation

- 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.

- 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 as well as persons with reduced physical, sensory or mental capabilities or lacking 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.

Notes

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.

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.

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