

JBC

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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



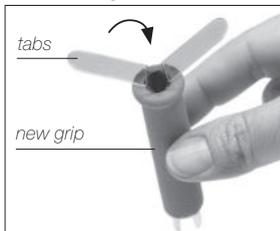
General Purpose Handle with reinforced cable

Ref. T245-GA



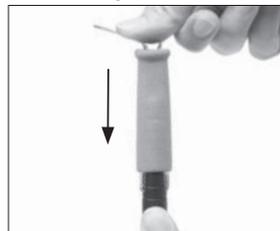
Easily replace the **Grips** (Ref. 0016057 and Ref. 0018658) using the slide-on tabs.

1. Inserting tabs



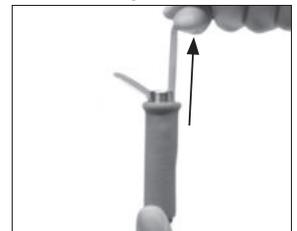
Insert the slide-on tabs into the new grip.

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.

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

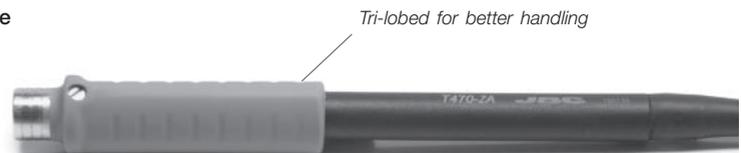
Ref. T470-B

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. B7243
B7244

For C470 Cartridge range Nitrogen HD Handle

Ref. T470-NA

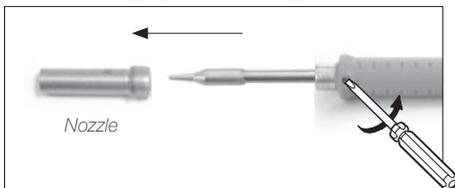


Nozzles

Ref. B6193
B6194
B6195

Changing cartridges

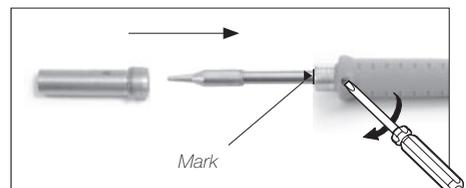
Before changing the cartridge



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.

T210 & T245 Changing cartridges

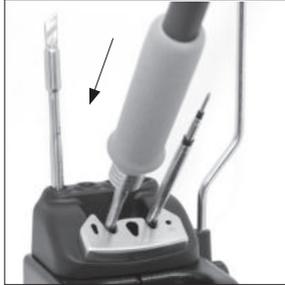
Save time and change cartridges safely without switching the station off.

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

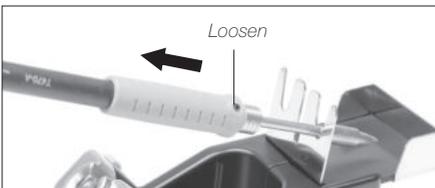
*Important

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



T470 Changing 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.

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.

Accessories

Fume extractor

Ref. F3435 (for T245 / T470)

Ref. F3450 (for T210)

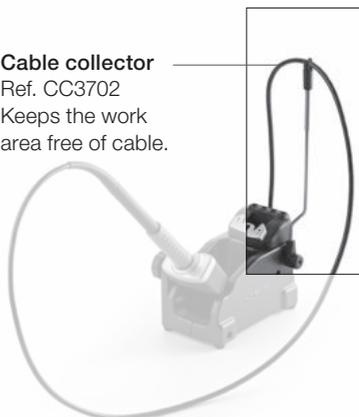
Clips can be easily removed for quick maintenance.



Cable collector

Ref. CC3702

Keeps the work area free of cable.



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 inflammable 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.

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.

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Warranty

JBC's two-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.

Register your warranty within 30 days of purchase in www.jbctools.com/productregistration



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.



Manual in other languages available on our website

www.jbctools.com

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