JBC

INSTRUCTION MANUAL

WS440

High-Temperature
Wire Stripper Tweezers

Index

This manual corresponds to the following reference:

WS440-A

Packing List

The following items are included:

High-Temperature Wire Stripper Tweezers .... 1 unit

Screw Driver .... 1 unit
Ref. 0023511

Metal Brush .... 1 unit
Ref. 0022793

WS440 Sealing Plug .... 2 units
Ref. OB3000 *(includes 10x)*

Manual .... 1 unit
Ref. 0023034

Features and Connections

Control Unit

USB Connector

Stand cable
Ref. 0024227

230V 50/60Hz
I Rated 0.4A
www.jbctools.com Fuse T0.63A
WS-2B Serial 236495-051 WS-2B

PORT

Main Switch

Equipotential connector

Power Socket

Fuse

W440 Cartridges
(not included)

Stand
Ref. WSBT-A

**High-Temperature Wire
Stripper Tweezers**
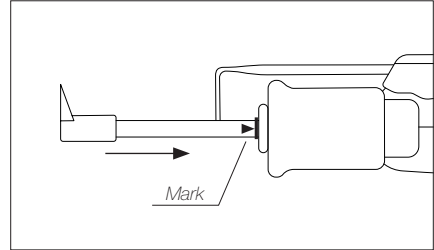Ref. WS440-A
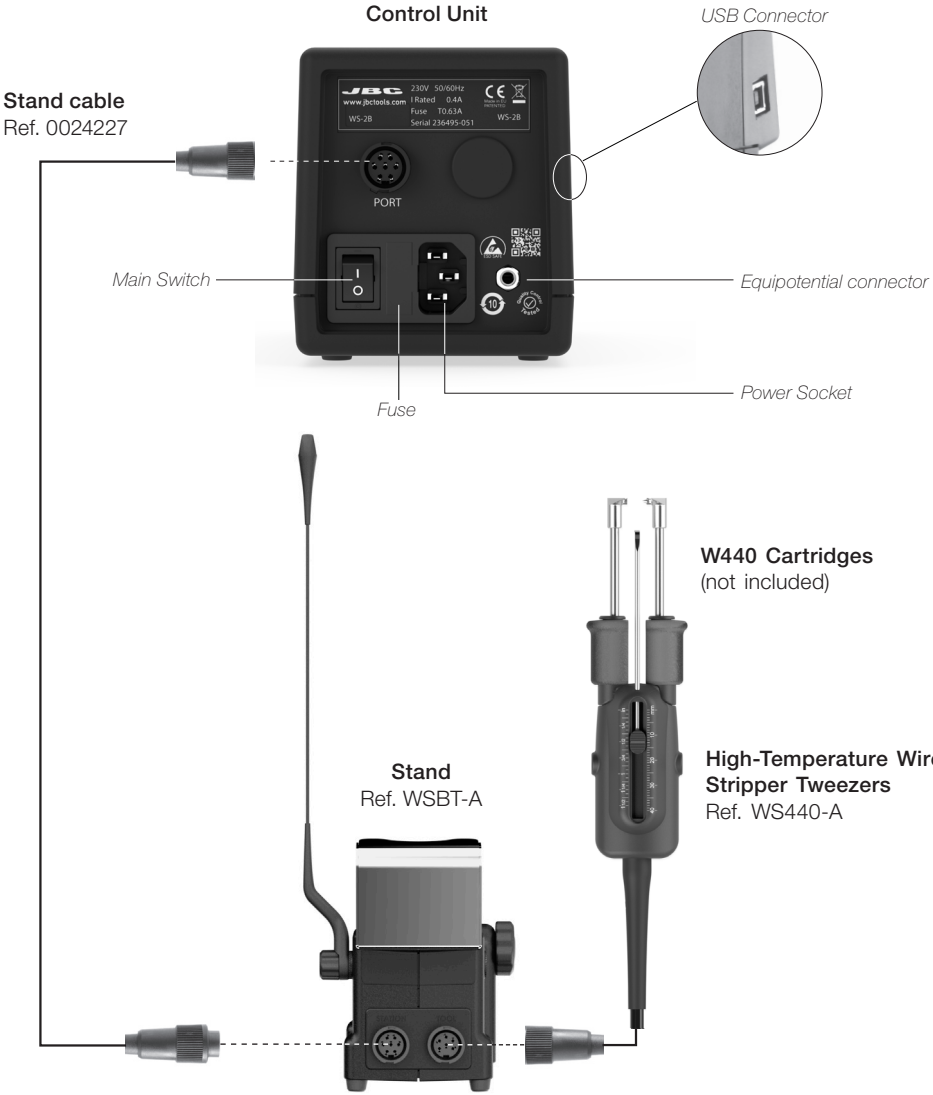
Changing Cartridges

1. Removing
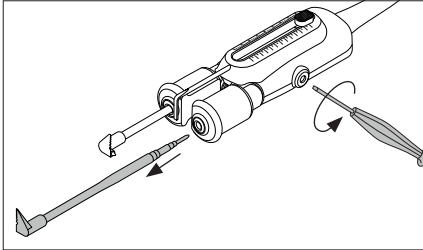
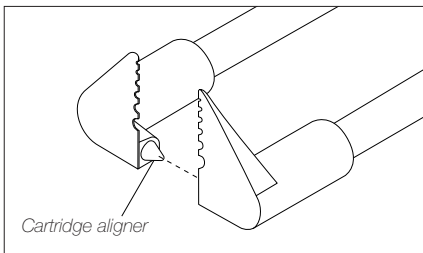Loosen the screws and remove the cartridges.

2. Inserting

Mark

Insert the cartridge until the reference mark. Take the mark as reference and check that both tips match.
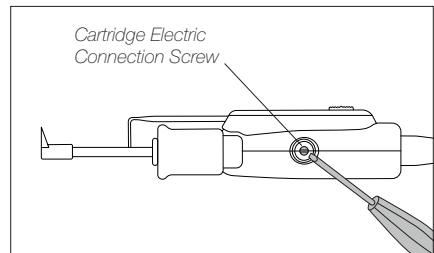
Important: It is esential to insert the cartridge till the mark for a good connection.

3. Positioning

Cartridge aligner

Align the cartridges in working position using a flat pliers (JBC Ref. PLR-195).
The conical cartridge aligner helps centering both cartridges and ensure a good functionality.
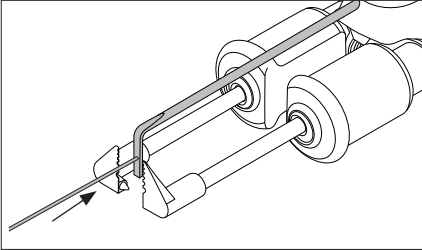
4. Fixing

Cartridge Electric Connection Screw

Fix the cartridges in its working position. by tightening the screw.

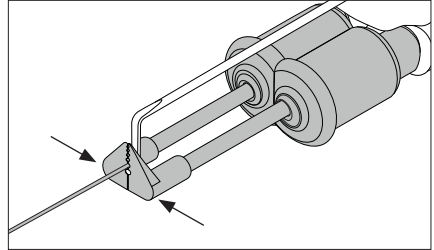**Important:** It is essential to tighten the screws for the tool to function.
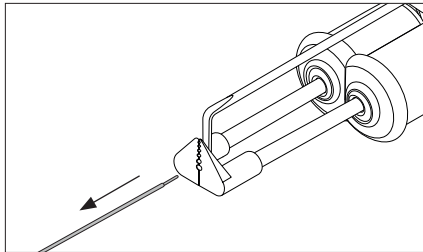
Stripping a Wire

1. Align Wire

Place the wire touching the strip gauge.

2. Close Cartridges

Choose cartridges according to the wire diameter. Pinch the wire with the blades. The pinched area will be melted by heat.
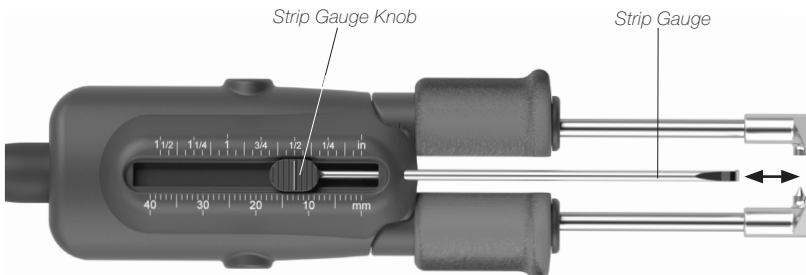
3. Remove Wire

Pull the wire stripper toward to stripp off the wire end.

Adjustable Strip Gauge

Adjust the strip gauge according to your stripping requirements.

Strip Gauge Knob   *Strip Gauge*

Cartridge Range

WS440-A is compatible with **W440** Blade Cartridge Range. Find the model that best suits your soldering needs on **www.jbctools.com**.

If an application requires a special tip design, contact JBC by mail **customtips@jbctools.com.**

Cartridge Ref.	Tip Hole ø mm / in	AWG Stranded	AWG Solid	
W440021	0,16 / 0,0063	36 (7x44)	34	
	0,25 / 0,0098	32 (19x44)	30	
	0,32 / 0,0126	30 (7x38)	28	
		30 (19x42)		
	0,40 / 0,0157	28 (19x40)	26	
		27 (7x35)		
	0,51 / 0,0201	26 (19x38)	24	
		26 (10x36)		
	0,64 / 0,0252	24 (19x36)	22	
		24 (7x32)		

Cartridge Ref.	Tip Hole ø mm / in	AWG Stranded	AWG Solid	
W440023	0,40 / 0,0157	28 (19x40)	26	
		27 (7x35)		
	0,51 / 0,0201	26 (19x38)	24	
		26 (10x36)		
	0,64 / 0,0252	24 (19x36)	22	
		24 (7x32)		
	0,81 / 0,0319	22 (19x34)	20	
	1,02 / 0,0402	20 (42x36) 20 (19x32) 20 (7x28)	18	
	1,29 / 0,0508	18 (19x30)	16	

| Cartridge Ref.	Tip mm / in	
W440025	Flat Blade 12,5 / 0.4921	

Sealing Plug Replacement

The Sealing Plug is meant to prevent undesirable flux vapors or particles from entering inside the tool.

Its usage is highly recommended for intensive applications when soldering is exposed to FOD environments or for applications where the soldering iron works close to vertical position.
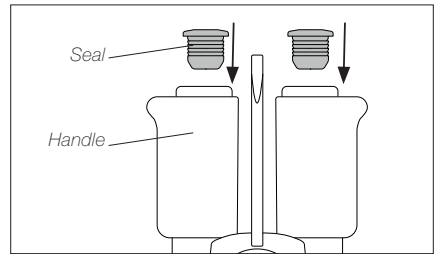
⚠ Before replacing the seal, unplug the power supply and make sure the device is not hot.
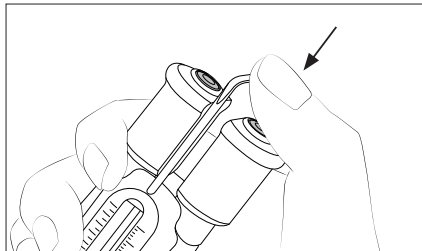
1. Removing
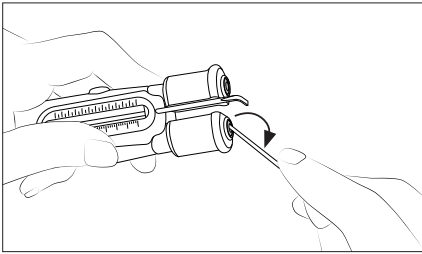
Enter a small shaft or screwdriver in order to gently lift and pull the sealing plug.
Do not insert the tool more than 8 mm deep.
Never use a cartridge to do this operation.

2. Mounting

Note the sealing plug mounting position:
The chamfered side has to be positioned to-wards the handle.

3. Inserting

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

Accessories

Flat Screw Driver

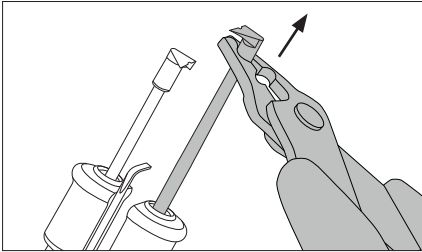To open or fix the wire stripper srews use JBC Flat Screw Driver Ref. 0023511.

Cartridge Extractor Pliers*

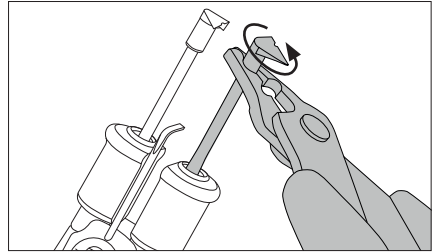To manipulate the cartridges use JBC Cartridge Extractor Pliers Ref. PLR195. More Information at **www.jbctools.com**

Removing

Remove cartriges with JBC pliers.

Inserting and Positioning

Align cartridges with JBC pliers.

Metal Brush

For cleaning the tips if unwanted material is stuck there. Metal Brush Ref. 0022793.
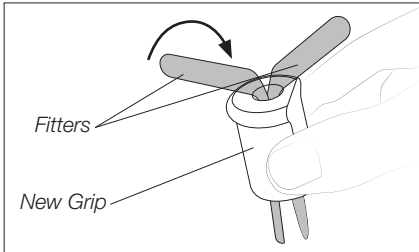
* Not included
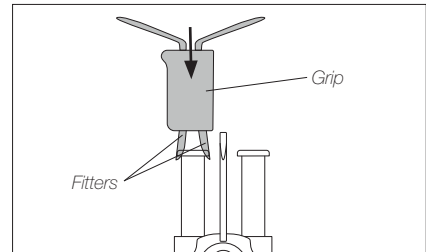
Grips for WS440*

W3533 Grips
Ref. 0023533

* Not included

Easily replace the damaged grips using the fitters like shown in the pictures.

1. Inserting Fitters

Fitters

New Grip

Insert the fitters into the new grip.
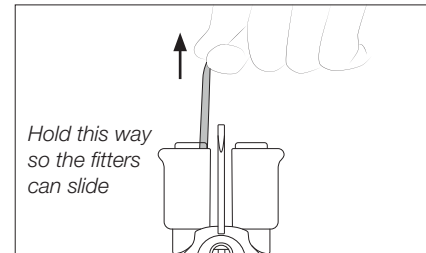
2. Placing Fitters

Grip

Fitters

Place the fitters inserted into the grip at the top of the tweezers.

3. Pushing Grips
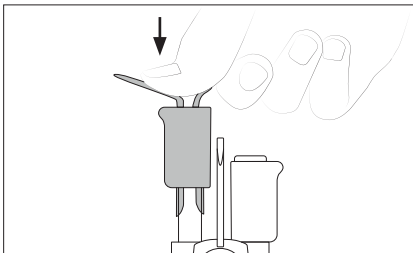
Push the grip with the fitters onto the tweezers.

4. Removing Tabs

Hold this way so the fitters can slide

To remove the fitters, hold the grip and pull them out. Use pliers if necessary.

Safety

Warning

- Do not touch the blade or the metal parts arround.

- Do not allow the blade be close to flammable materials.

- 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 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.

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

- Place the tool on the stand when is not in use.

- Turn off the power when not in use, changing parts or storing.

Caution

- Do not use the Wire Stripper for other applications than wire stripping.

- Do not modify or customize the Wire Stripper.

- Do not hit the blade against workbench to eliminate stripped insulation debris. This behavior would damage the blade.

- Remove power from the tool by holding the plug, not the wires.

- Be careful with the fumes produced when stripping. We recomend to use our fume extractor.

Specifications

WS440
High-Temperature Wire Stripper Tweezers
Ref.: **WS440-A**

- Max. Power per Cartridge:	40W
- Cable Length:	1.2 m / 47.2 in
- Dimensions / Weight:	97 x 36 x 27 mm / 0.12 kg
(L x W x H)	3.82 x 1.42 x 1.06 in / 0.26 lb
- Package Dimensions / Weight:	277 x 73 x 50 mm / 0.16 kg
(L x W x H)	10.91 x 2.87 x 1.97 lb / 0.35 lb

Complies with CE standards
ESD Safe

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