

ZDBX-20 Wire Stripping and Cutting Machine

Operation Manual

Preface

Before using [wire stripping and cutting machine](#), please read this book carefully, and make sure that you have paid enough attention to this book. By using this machine properly, you cannot only avoid accidents, but also prolong the life of the equipments. So please do give your attention to the operation. To make this machine work to its best, you should do as the below.

Please do read this book carefully and make sure that you have understood it well, and then you may carry on operation, maintenance as well as attendance.



If you want to transfer this machine to someone else, please transfer this book together. Please keep this book where you can get at any moment, and put it in good condition. We provide the customers with high standard service, and we have carried out “one- year maintenance and lifetime upkeep” for the all of our customers.

This machine has **one-year guarantee** (starting at the day of the assignment). During the guaranty period, if there are any problems caused by the quality, such as the machine cannot work soundly, or something abnormal happens while it is operating. Please contact with our Maintenance Department or Sales Department for instant settlement.

Beware that the circumstances below are beyond maintenance.

Damages caused by improper use.

Damages caused by tearing down the machine privately.

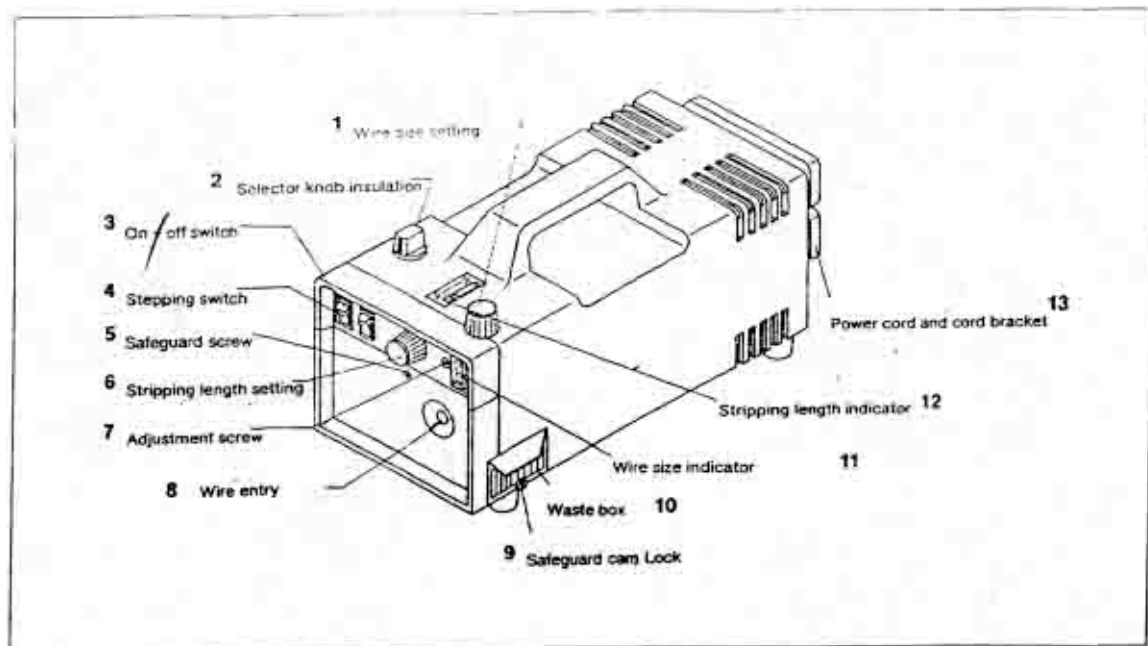
Damages caused by using the improper voltage.

Damages caused by the force majeure.

Exceeding 1 year limited, we will charge you proper fee for changing the wearing parts and fittings.

You can either deliver the machine to our factory or ask our technicians to yours for repair. And their travel expense will be count on your if the maintaining happens beyond the guaranty.

You can contact us through Telephone Call, FAX, E-mail so that we may provide you with satisfied service.



Performance Characteristics:

Stripping length: 1.5 - 10mm

Stripping range: Stranded wire: 0.05 - 2.5mm²

AWG 30 - 14

Solid wire: 0.25 - 2.5 mm diameter

AWG 10 - 30

Max. Insulation:

Diameter: 4.2mm

(1.4mm with clamping head)

Min.free length:

Of cable jacket: 12.5mm+stripping length

Strippable wire Teflon, PVC or similar insulation type material.

Rated voltage: 220 volt 50 Hz

110 volt 60 Hz

Rated current: 260mA

0.44amp

Rated input: 60watt

60watt

Power cord: 1.8m long with molded on plug

German standard

North American

Weight: 6.7 kg

Machine dim.: 340*150*170

Performance characteristics pertain to standard machines

Specials on request.

Machine positioning

The stripping box needs except power supply no further equipment. Due to the low weight it can be placed on any standard table or work bench.

Putting into operation

Remove transportation security

(See note on waste box)

Insert waste box in opening provided for and secure with safeguard cam lock.

Connect power plug to power line.

Switch on-off switch to on position.

Stripping

Scale reading is only standard values.

1. Wire size setting.

The wire size is set by turning the yellow knob (1). Check wire size indicator (11) for reference.

Remarks: the wire size indicator (11) is adjusted for wire with standard PVC-insulation.

With non standard insulation, or if wire size is not known, the suitable setting must be established on a trial/error basis.

It is recommended to start the setting from a larger size and then work down to the final setting. If insulation is cut too deep or not deep enough adjust setting accordingly.

2. Stripping length setting.

The stripping length is set by turning the blue knob (6). Check stripping length indicator (12) for reference.

3. Insulation removal setting.

For complete stripping push selector knob (2) and turn to symbol.

For partial removal of insulation push selector knob (2) and turn to symbol.

4. Insertion of wire

Insert wire horizontally into wire entry until it butts against stop.

Touching the stop actuates the stripping operation. Remove stripped wire.

5. Waste

The stripping insulation material is collected in the sliding box at the right side. The box has to be emptied from time to time. When the machine is extensively used it can be more practical to work without the waste box.

Hints for the use

If insulation is cut not deep enough: set wire size lower.

If conductor shows notches or if strands are cut or knicked: Set wire size higher.

If signal lamp switches off: actuate stripping operation by stepping switch.

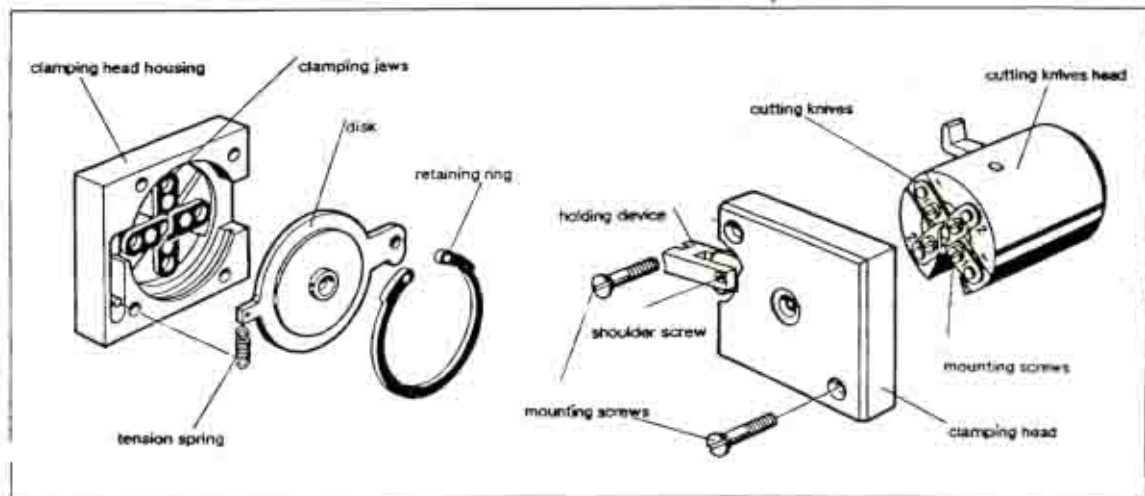
The adjustment screw for wire size has been pre-set at the factory. It is only necessary for exchange of cutting knives.

The cutting knives should be replaced, if the adjusted wire size differs too much (0.3 to

0.4mm²) from the scale reading.

No special maintenance is needed.

A special clamping head is available for mainly stripping of wires from 0.05 to 0.14 mm².



6. Exchange of replacement parts

Attention: Disconnect the power supply in all cases of repair work and exchange of part.

6.1 Exchange of clamping head

6.1.1 Removal

Unscrew safeguard screw.

Move front cover open towards operator.

Unscrew the two diagonally positioned mounting screws.

Remove clamping head.

6.1.2 Exchange of disk

Remove retaining ring.

Lift out tension spring.

Lift out disk.

Align clamping jaws in right angle.

Mount disk in such a way that the pins of the disk engage the holes of the clamping jaws.

Replace tension spring

Replace tension spring.

Replace retaining ring.

6.1.3 Remounting

Insert clamping head into holding device.

Fasten mounting screws.

Close corer.

6.2 Exchange of cutting knives.

6.2.1 Removal

Remove clamping head (see 6.1.1)

Unscrew for mounting screws of cutting knives.

Remove cutting knives.

6.2.2 Remounting

Insert new knives according to the indication mark. Inscription has to be seen.

Fasten mounting screws.

Check cutting knives if they move correctly

Remount clamping head(see 6.1.2).

Check stripping range. If necessary adjust with a adjusting screw.

6.3 Exchange of printed board.

6.3.1 Removal

Remove the selector knob and wire size knob on top of machine. To unscrew them flip covers on knobs with screwdriver.

6.3.2 Remounting

Insert new printed board.

Remount cover if machine.

Fasten mounting screws on the bottom.

Mount the two knobs back in place.

Watch for correct position of selector knob.

6.4 Transportation security

Prior to returning the safeguard screw (5) adjust wire size indicator (11) to the final position. Wire size AWG14, respectively 2.5mm². Otherwise damaging of the cutting knives head.