

500.630 Mechanical Crimping Tool JT-150 Instruction Manual

Due to continuing improvements, actual product may differ slightly from the product described herein.

General Safety Rules

To work in safe conditions with this tool, it is imperative to read carefully the directions for use and to follow the instructions it contains. If you do not follow the information written in the instruction manual the warranty will be cancelled.

1. Work Area Safety

- a. Keep work area clean and well-lit. Cluttered or dark areas invite accidents.
- b. Keep children and bystanders away while operating the mechanical crimping tool. Distractions can cause you to lose control.
- c. Do not leave the tool in acidity, alkaline or other corrosive gas or liquid and do not operate or store the tool in high temperature to avoid damage.

2. Personal Safety

- a. Stay alert, watch what you are doing and use common sense when operating the tool. Do not use the tool while you are tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating hydraulic tools may result in serious personal injury.
- b. Use safety equipment. Always wear eye protection. Safety equipment such as dust masks, non-skid shoes, hard hats, or hearing protection used for appropriate conditions will reduce personal injuries.
- c. Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts. Loose clothes jewelry or long hair can be caught in moving parts.
- d. Do not force the tool. Use the correct power tool for you application. The correct power tool will do the job better and safer at the rate for which it was designed.
- e. Store idle power tools out of the reach of children and do not allow persons who are unfamiliar with the mechanical crimping tools to use. This tool is dangerous in the hands of untrained users.
- f. Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the mechanical crimping tool operation. If damaged, have the mechanical crimping tool repaired before use. Many accidents are caused by poorly maintained power tools.
- g. Use the mechanical crimping tool, accessories and tool bits etc., in accordance with these instructions and in the manner intended for the particular type of tool, taking into account the working conditions and the work to be performed. Use of the mechanical crimping tool for operations different from those intended could result in a hazardous situation.

3. Service

Have your mechanical crimping tool service by a qualified service technician using only identical replacement parts. This will ensure that the safety of the mechanical crimping tool kit is maintained.

Specific Safety Rules

1. Maintain labels and nameplates on the tool which carry important safety information. If unreadable or missing, contact the agent to replace
2. This product is not a toy, keep it out of reach of children
3. Do not slide your fingers in the dies profile
4. Do not put your fingers in the head of the crimping tool when you slide the dies inside it. Your fingers could be pinched very severely
5. Do not use the tool without a die
6. Do not crimp on live cables or conductors
7. Do only crimp copper or Al conduction material
8. Please keep the tool in the tooling case after finishing work and ensure the crimping die is out of the tool
9. The warnings, precautions and instructions discussed in the instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator

JT-150 is a tool for connecting lugs and cable. It carries many advantages of good design, easy operation, high pressure high efficiency etc. It is a perfect tool to be used in electrical construction sites.

1. Specifications

Crimping range	10-150mm ² for Cu conductor 6-120mm ² for Al conductor
Crimping force	35KN
Crimping type	Hexagon crimping
Stroke	8mm
Working temperature	-20 to 40°C
Length	Approximately 415-565mm
Weight	Approximately 2.40kg
Package	Plastic box
Accessories	
Crimping dies	10, 16, 25, 35, 50, 70, 05, 120, 150 mm ²

The size was marked on the surface of the dies, if asked for special size or special shape, please contact the distributor or manufacturer; they can custom make dies according to detailed requirements.

2. Description of the components

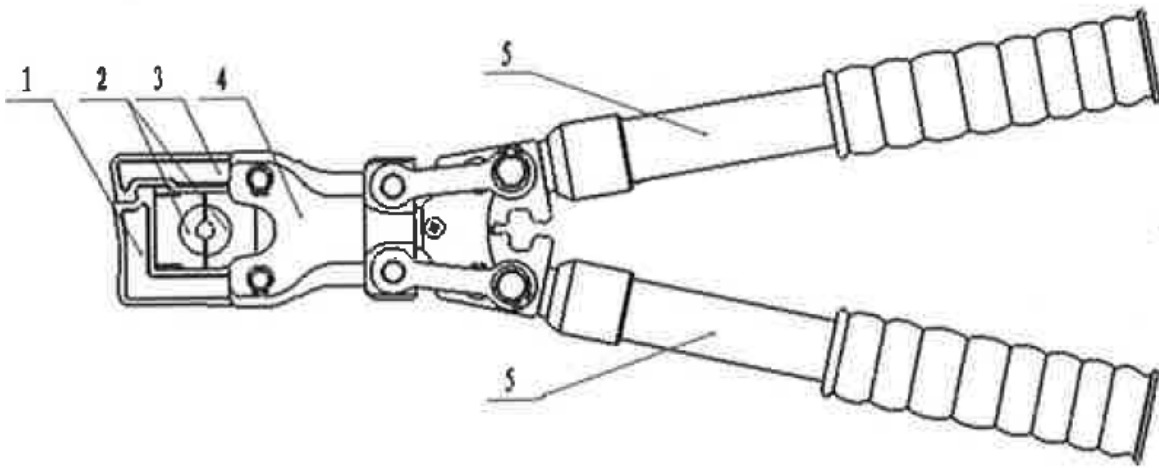


Table 1

Item No.	Description	Function
1	Upper die holder	To fix upper die
2	Die	Interchangeable crimping die for crimping
3	Latch	For open or close the die holder
4	Crimping head holder	For fix the down die
5	Active handle	For operating

Operating Instructions

Read the entire Safety Information section at the beginning of this manual including all text under subheadings therein before using this product.

DANGER - Any parts of the tool cannot be knocked; the tool is dangerous when the parts are broken

1. Select the appropriate die set. Ask an authorized facility or distributor to choose proper compression die set for the connector and cable being used.

CAUTION - do not operate the tool without dies

2. Pull out the latch to open the crimping head, insert the upper crimping die and the down crimping die.
3. Make sure both dies halves are secured before operating the tool
4. Fully insert the cable into the barrel of the connector
5. Put the connector in the crimping head, to lengthen the telescopic handle to adjust to a suitable length and tighten handles after

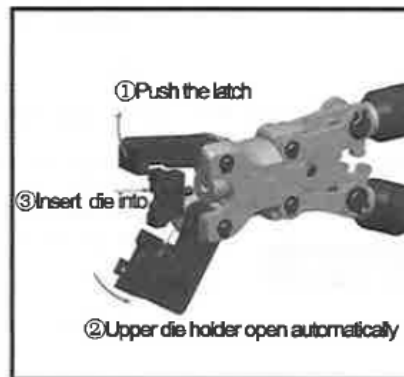
WARNING - with the telescopic handle, the handle cannot be lengthened with extra length to operate again

6. Close the handles, the connector is crimped when the dies touch together, the crimp is completed when the handles are completely closed
7. Open the head to open the head to take out the connector for next cycle

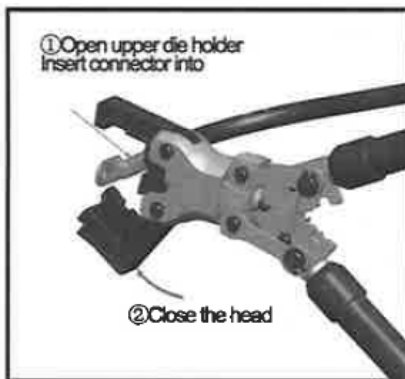
Please refer to the illustrations below:



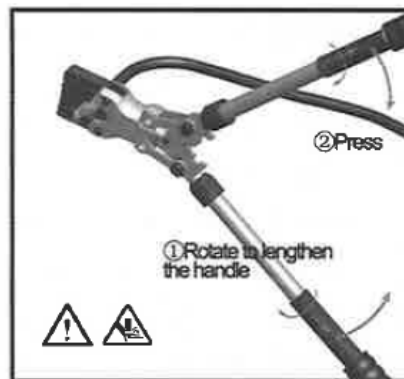
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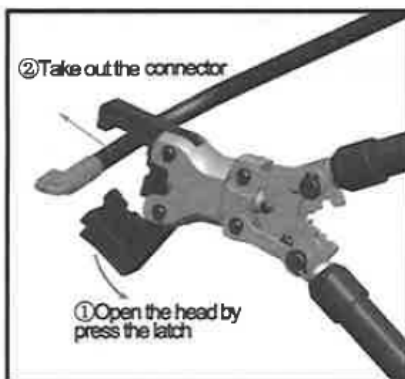
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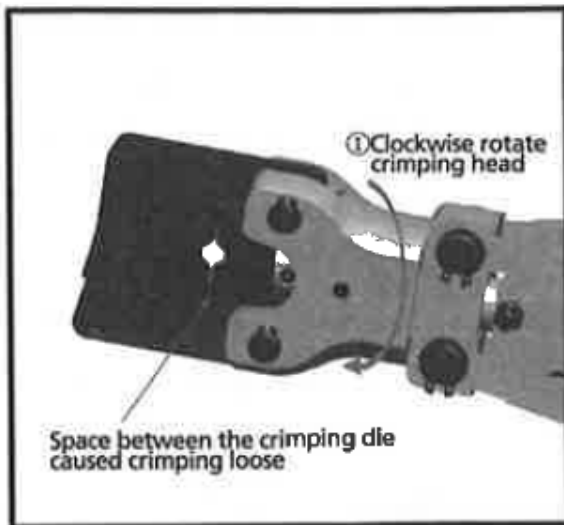


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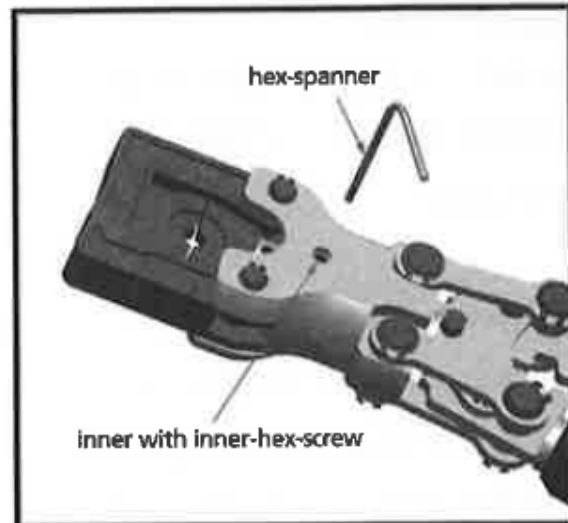


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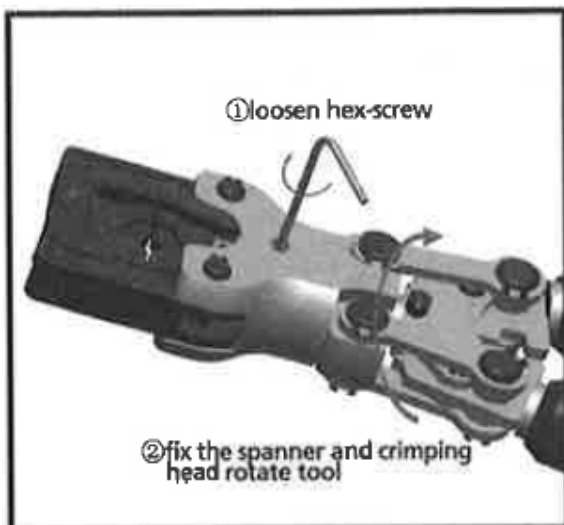
If the tool cannot crimp the connector right enough with the right dies, it means the gap of upper and down dies is too big, we have to use the hex wrench to adjust the pressure. Please refer to the illustration on the next page:



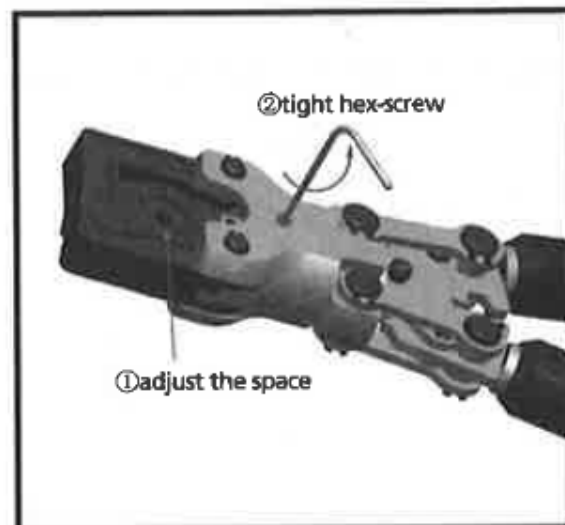
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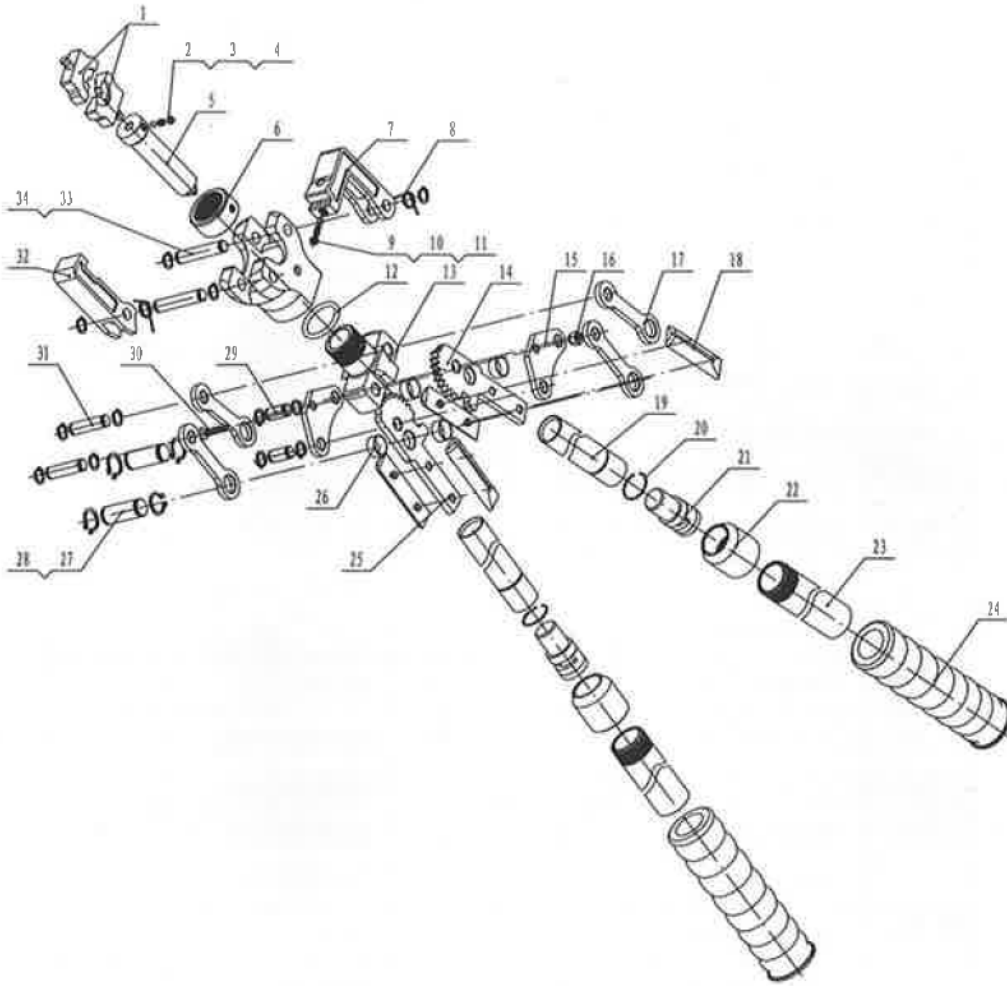
WARNING - please take the crimping die out from the tool. Long time under stress will cause the tool head damage.

Maintenance and Servicing

WARNING - damaged equipment may cause serious personal injury. Do not use damaged equipment. If abnormal noise or vibration occurs, have the problem corrected before further use.

1. Before each using, inspect the general condition of the tool. Check for loose screws, misalignment or binding of moving parts, cracked or broken parts, or any other condition that may affect its safe operation
2. After using, clean external surfaces of the tool with clean, moist, smear the rust preventing oil on the metal surface of the tool and the dies to avoid rust. Store the tool in a dry environment
3. 3. Service to the tool should only be done by a qualified Service Technician

Part List



No.	Description	Quantity	No.	Description	Quantity
1	Die	1	18	Toothed plate pad	4
2	Hex screw M5X4	1	19	Strength rod	2
3	Spring 0.5x3.5x4x3	2	20	Snap spring	2
4	Steel ball C4	1	21	Plug set	2
5	Mandrill	1	22	Strength rod sleeve	2
6	Lock cap	1	23	Strength rod	2
7	Upper die holder	2	24	Handle grip	2
8	Torsional spring	1	25	Left toothed plate	1
9	Steel-ball C4	1	26	ring	4
10	Hex screw M5x5	1	27	Pin 21x31	2
11	Spring 0.5x3.5x8x6	1	28	Type A circlip 12	4
12	O-ring 23.8x3.1	1	29	Pin 8x17	2
13	Locating sleeve	1	30	Type H screw M5x20	1
14	Right toothed plate	1	31	Pin 8x30.5	2
15	Linking board	2	32	Latch	1
16	Type 1 hex nut	1	33	Pin 8x41	2
17	Draw string	4	34	Type A circlip 8	12