



EHT-300 BATTERY-POWERED CRIMPING TOOL

Operation Instruction



Fivestar Tools Co.,Ltd

EHT-300 Battery Powered Crimping Tool

1. Instruction

EHT-300 is a professional tool for crimping Cu/Al terminal with the advantage of 360° rotates head, two stage hydraulic quick motor stop, and automatic retraction. Before starting use the tool please read the instruction carefully. The mounting and assembly of material must only be performed by trained person.

2. Technical Parameters

Crimping force	60KN
Stroke	17mm
Crimps per charge	Approx. 160times
Crimping cycle	3s-6s (depending on size)
Voltage	14.4V
Capacity	3.0AH
Charge time	1.5h
Crimping range	16-300mm ²
Weight	Approx.5.7kg (without charger)
Weight of box	6kg

3. Component



1.latch	2.head
3.die	4.button
5.indicator	6.switch
13.oil cup	14.frame

4. Operation

First you have to check the indicator is light or not. If the indicator is light, it means no power of the battery and should change the full powered battery to settle on the tool.

Crimping Version

To open the head (No.2) has to press the latch (No.1), select the right dies for the intended application, the dies will be inserted consecutively into the opened head.

Then the connecting material must be positioned in the crimping head which must be closed thereafter, In order to start the crimping procedure.

A crimping process is initiated by pressing the switch (No.6). It is defined by the closing motion of the dies. The connection material is positioned in the stationary half of the crimping dies and the moving part is approaching the compression point.

A crimping cycle is terminated when the dies contacted each other and when the maximum crimping force is reached. After the crimping cycle is completed the piston retracts automatically. Afterwards a new crimping cycle can be initiated or the crimping process can be terminated by opening the latch and remove the connecting material out of the head.

5. Attention

- 1): Do not crimp anymore when the up and down dies touch together, otherwise it would destroy the spare parts.
- 2): Avoid the head of tool and dies from knocked by hard material, otherwise it would damage the tool.
- 3): Keep the tool out of the gas or liquid acid and alkali
- 4): Make sure the oil full after a long time working and the oil filtered by 200# net.
- 5): Make sure the environment clean before working.
- 6): After finishing the working please smear the antirust grease on the head of tool.
- 7): Do not disassemble at mind.
- 8): The tool should be kept by expert.
- 9): It will be better to heat treated before working of the copper lugs.
- 10): Don't use the tool without dies.
- 11): Do only crimp copper and Al conducting material.
- 12): Do not crimp on live cable of conductors.
- 13): If the motor overheat, please stop working till the temperature drops.

6. Troubleshooting

- 1): Leakage of the piston:

Disassembly the crimping head and take out the piston (No.8) from the oil vat (No.9), change the O-ring (\varnothing 28X3.55GB/T3452.1-1992). Make sure the oil vat verticality, fill the hydraulic oil 32# (avoid the air into). Equip the piston and crimping head as former.

2): Leakage on the cartridge. That means the leakage on the retarded. Disassembly the retarded (No.10) and motor (No.12) group, take out the cartridge then change the O-ring ($\varnothing 3.55 \times 1.8$ GB/T3452.1-1992). Set the parts as original. Mean while take the oil cup (No.13) out then fill the oil(the oil should be filtrated by 200# net fully in order to expel the air, then assemble all the parts to working.)

7. Accessories

Crimping die: 16,25,35,50,70,95,120,150,185,240,300mm ²	
Battery	2pcs
Battery charger	1pc
All-main set	1set
Rubber O-ring used in cylinder	1set
Rubber O-ring used in safety valve	1set

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