

IToolCo User's Guide



WCT1000 12 Ton Cordless Dieless

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BEFORE OPERATION OF THIS TOOL, READ AND UNDERSTAND ALL OF THE INSTRUCTIONS AND SAFETY INFORMATION IN THIS MANUAL



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SAFETY FIRST

Safety is essential in the use and maintenance of this tool. This instruction manual and any markings on the tool provide information for avoiding hazards and unsafe practices related to the use of this tool. Observe all of the safety information provided.

SAFETY ALERT SYMBOLS

This symbol is used to call your attention to hazards or unsafe practices that could result in injury or property damage. The three signal words, defined below, indicate the severity of the hazard. The message after the signal word provides the information for preventing or avoiding the hazard.



DANGER

Immediate hazards that, if not avoided, **WILL** result in severe injury or death.



WARNING

Hazards that, if not avoided, **COULD** result in severe injury or death.



CAUTION

Hazards or unsafe practices that, if not avoided, **MAY** result in injury or property damage.

IMPORTANT SAFETY INFORMATION FOR WCT1000 12 TON CRIMPER



WARNING

Read and understand all instructions and safety information in this manual before operating or servicing this tool.

FAILURE TO OBSERVE THESE WARNINGS CAN RESULT IN SEVERE INJURY.



WARNING – PERSONAL SAFETY HAZARDS

Only qualified persons should use iTOOLco WCT100.

Do not use this tool while tired or under the influence of drugs, alcohol, or medication.

Always follow operating procedures.

FAILURE TO OBSERVE THESE WARNINGS CAN RESULT IN SEVERE INJURY.



WARNING – EYE PROTECTION HAZARD

Wear eye protection when operating this tool. Failure to wear eye protection could result in serious eye injury from flying debris or hydraulic oil.

FAILURE TO OBSERVE THESE WARNINGS CAN RESULT IN SEVERE INJURY.



WARNING – PINCH POINT HAZARD

Compression dies at high force can cause severe personal injury. Keep all body parts away from moving parts during operation.

FAILURE TO OBSERVE THESE WARNINGS CAN RESULT IN SEVERE INJURY.



WARNING – TOOL USE HAZARDS

Use this tool for manufacturer's intended purpose only. Use other than that which is described in this manual can result in injury or property damage.

FAILURE TO OBSERVE THESE WARNINGS CAN RESULT IN SEVERE INJURY.

SPECIFICATIONS & DESCRIPTION

WCT1000 KIT INCLUDES:

- 1 Battery Powered Tool
- 1 Carrying Case
- 1 CH-90 Tri-Chemistry Charger
- 2 BP-80 Lithium Ion Batteries
- 1 Carrying Strap

- Battery and Charger:
 - BP-80 Lithium Ion Battery
 - CH-90 Tri-Chemistry Charger
 - This charger can charge the BP-80 and ALL previous batteries, including the BP-70, BP-70EI and the BP-70MH.



Specifications

| | |
|-----------------|--------------------------|
| Output | 12 Ton |
| Weight | 13.4 lbs. with battery |
| Size | 20" L x 4.75" H x 3.9" W |
| Connector Range | 8 AWG TO 1000 MCM |

Features

- 12 Ton Streamline Tool
- One handed operation
- Rotational Head
- Tested up to 75kV
- Rapid Advance
- Ergonomically Balanced
- Weather Resistant Housing
- Audible Bypass when Predetermined Pressure is Achieved

OPERATING INSTRUCTIONS

Charging the Battery

1. Insert the plug end into a 120V power source. The LED (Power) indicator will be steady green indicating the charger is now in “stand-by” mode and ready to charge the battery. Do not plug the charger into a generator as this will likely cause the fuse in the charger to short, and will not operate.
2. To charge a drained battery, insert the battery into the charger. The LED indicator shows a steady amber while charging. A depleted battery will be completely charged in approximately 50-70 minutes. The LED indicator will show a steady green when the battery is fully charged.
3. If the LED indicator goes out or is flashing quick amber, this could be a possible short in the battery circuit, or a problem with the charger itself. It is best to consult the factory at 1-800-860-3713 for service if such a condition occurs.
4. For technical questions or difficulty in operation, please call our customer service department at 1-800-860-3713.

Attaching the Battery Cartridge

1. While pressing the latch, pull out the battery cartridge. To replace the battery cartridge, push the new cartridge firmly into place.
2. After inserting a battery cartridge, check that it is securely in place by pulling gently. Do not press the latch when pulling the cartridge.

Trigger Release and Button

1. The ram advances when the trigger is pressed and stops when the trigger is released.
2. To retract the ram, push the release.

Compression

1. Select the appropriate size connector for the wire.
2. Insert the wire into the connector. Use the window on the connector to ensure the wire is fully inserted.
3. Push and turn the lock pin clockwise to open latch on tool and place connector inside the crimping area.
4. Close the latch and push the lock pin and turn counter clockwise.
5. Press the trigger to advance the ram just before the crimping nib is in contact with the connector.
6. Position the crimper over either Dot crimping areas, locate over the middle of the crimping nib as shown in **Figure 1**.



Figure 1

7. Making sure the connector is still in the correct position; press the trigger until the compression is completed. A series of clicks will be heard followed by a release in pressure when compression is completed.
 8. Press the release button to retract the ram. The ram continues to retract while the release button is pressed.
 9. Slide the connector or tool to the to the second Dot. Position it so that the next dot is located within the middle of the crimping nib as shown in [Figure 2](#).
- Note: Some Connectors only require one crimp. Please refer to [Connector Cable Codes Tables](#) for crimping number instructions.
10. Complete the second crimp following the instructions stated in Step Number 6.
 11. Remove the connector from the tool.

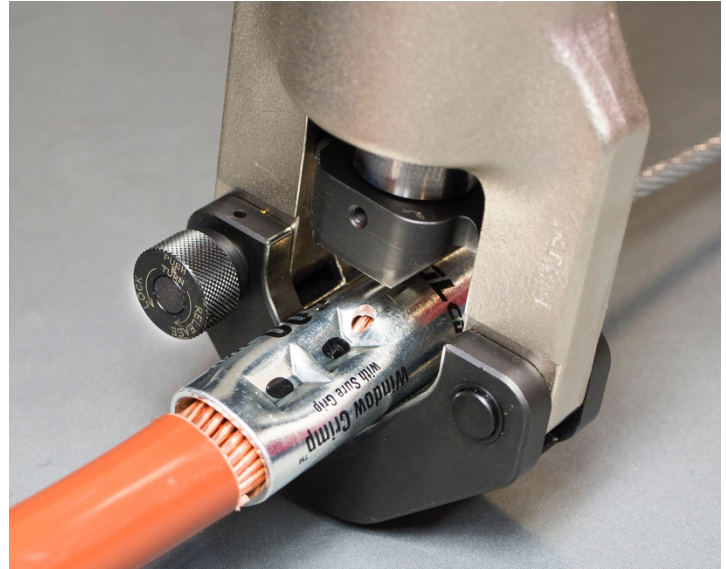


Figure 2

Connector Cable Codes for Working with the WCT1000 or other Crimping Tools

| Connector Size | Die Crimping Color Codes | Number of Crimps |
|----------------|--------------------------|------------------|
| 8AWG | RED | 1 |
| 6AWG | BLUE | 1 |
| 4AWG | GREY | 1 |
| 3AWG | GREY | 1 |
| 2AWG | BROWN | 1 |
| 1AWG | GREEN | 1 |
| 1/0 AWG | PINK | 2 |
| 2/0 AWG | BLACK | 2 |
| 3/0 AWG | ORANGE | 2 |
| 4/0 AWG | PURPLE | 2 |
| 250 MCM | YELLOW | 2 |
| 300 MCM | WHITE | 2 |
| 350 MCM | RED | 2 |
| 400 MCM | BLUE | 2 |
| 500 MCM | BROWN | 2 |
| 600 MCM | GREEN | 2 |
| 750 MCM | BLACK | 2 |
| 1000 MCM | GREY | 2 |

Maintenance and Inspection

1. Daily maintenance is required to ensure that the tool is kept in good working condition.
2. Check pressure of tool with factory approved pressure gauge (Semi-annually).
3. Do not store the tool in a humid environment.
4. Wipe away any excess oil with a soapy cloth.
5. Provided that maintenance of the tool is carried out regularly, the tool should provide many years of service.

Precautions for the Tool

1. Always point the tool AWAY from other people.
2. If the tool is stored for an extended period at a temperature of less than 25° F (-5°C), the tool should be allowed to return to room temperature to ensure smooth operation Use the tool only after it has been at room temperature for 1 hour.
3. Do not drop the tool. Dropping the tool may damage the hydraulic circuit and result in the tool not functioning correctly.
4. Keep the head and ram clean and free of debris. Solvents can be used to clean the head, but should not be used on the plastic body. Use soap and water to clean the body.
5. Do not use tool for continuous use. If any sign of overheating, allow the tool to cool for 15 minutes.
6. Do not allow tool to be submerged in water. The tool may be used in damp or wet environments. However, it is recommended for tool to be air-dried before use.

Precautions for the Battery Cartridge

1. Do not short circuit the contacts or expose the cartridge to water, oil or solvents.
2. Do not disassemble or attempt to repair the battery cartridge or dispose of in a fire.
3. Do not drop or otherwise abuse the battery cartridge.
4. Do not leave the cartridge in locations where it will be exposed to a temperature greater than 140°F (60°C) for an extended period.
5. The battery has a limited life. When the crimping capacity becomes about 1/2 that of the original capacity, the battery should be replaced.
6. If the battery cartridge is stored without being charged, natural drainage will cause the power to be reduced. The battery should be charged every 3 months if not in use.

Precautions for the Charger

1. The LED indicator lights up amber and remains lit when the unit starts charging a battery cartridge. The indicator turns green when charging is completed.
2. This unit is for charging battery cartridges BP-80, BP-70E, BP-70EI and BP-70MH only. Do not use the charger for any other devices.
3. Allow battery cartridges to cool before charging. Allow at least 15 minutes between charges when charging several cartridges in succession.
4. Charge batteries at an ambient temperature of 50°-95°F (10°-35° C). Charging time is approximately 50-70 minutes for the BP-80, 50 minutes for the BP-70E and BP-70EI, and 70 minutes for the BP-70MH.
5. Never short circuit the output terminals.
6. Do not expose the charger to water, oil or solvents.
7. Do not disassemble, attempt to modify, drop or otherwise abuse charger.

TROUBLE SHOOTING GUIDE

| Problem | Cause | Solution |
|--|---|--|
| Motor runs, but tool jaws will not advance | Insufficient hydraulic oil | Consult factory for repair service. |
| | Air block in hydraulic system | Invert tool to allow air to rise towards the top of the oil bladder. |
| | Defective hydraulic circuit | Consult factory for repair service. |
| Motor runs, tool jaws advance, but will not build pressure | Insufficient hydraulic oil | Consult factory for repair service. |
| | Defective suction valve or bypass cartridge | Consult factory for repair service. |
| | Insufficient hydraulic oil | Consult factory for repair service. |
| Motor will not run at all | Defective battery | Charge or replace battery. |
| | Bad contact or loose battery connections | Check all connections and wires. |
| | Misaligned switch | Check to make sure switch is properly aligned with the trigger. |
| | | Consult factory for repair service. |
| Tool jaws will not release | Tool did not complete a full cycle and bypass | Press trigger and allow tool to bypass. Then release tool jaws. |
| | Connector is jammed in tool jaws | Press and hold release trigger while prying tool jaws apart. |
| | Release trigger is bent or misaligned | Consult factory for repair service. |



LIMITED WARRANTY: ITOOLCO WCT1000

iTOOLCO warrants all new WCT1000 12 Ton Crimpers covered by his agreement, when properly used, to be free from defects in material and workmanship under normal use and service for which it is intended for a period of one year from date of delivery by the dealer. Date of delivery shall be the date product is placed in possession of the user. NORMAL WEAR FROM USE IS NOT PART OF THIS WARRANTY. This limited warranty is extended to the original user only and is not transferrable to, nor enforceable by any other person.

iTOOLCO will replace free of charge any part(s) of the product found to be defective when such part(s) is returned to iTOOLCO at the address shown below, freight prepaid. If the part(s) is found to be defective, iTOOLCO will refund freight charges paid by you in returning the defective part(s) and prepay replacement part(s) freight charges. iTOOLCO will not be responsible for more than replacement of any defective part(s) and standard freight charges (parcel post or UPS ground rate) of any part(s) found to be defective.

THIS IS THE EXCLUSIVE REMEDY. ITOOLCO SHALL NOT BE RESPONSIBLE OR LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY DEFECTS COVERED BY THIS WARRANTY OR ANY IMPLIED WARRANTY APPLICABLE TO THE PRODUCT INCLUDING, BUT NOT LIMITED TO, PROPERTY DAMAGE, LOSS OF USE OF PRODUCT, LOSS OF TIME, LOSS OF PROFITS, INCONVENIENCE, COMMERCIAL LOSS, LABOR COSTS, SERVICE TRIPS, AND MILEAGE.

Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you.

Dealer/Distributor Warranty Claim Procedure

1. All warranty claims must be pre-approved by iTOOLCO Warranty Department PRIOR to starting any warranty work. Warranty work performed without prior approval will not be considered.
2. All claims must be handled through dealer/distributor.
3. Written approval must be received from iTOOLCO before return of merchandise. A Return Authorization is to be returned with the merchandise which is sent back.
4. All parts must be returned to iTOOLCO at the address shown below, freight prepaid.
5. The serial number of the product and the date of delivery must accompany the part(s) being returned.
6. If the part(s) is found to have failed because of a defect in material or workmanship, replacement will be made on a no-charge basis, and the part(s) returned, freight prepaid. Standard freight charges (parcel post or UPS ground rate) incurred in returning the part(s) will be refunded.
7. For reasons of expediency, replacement and/or repair part(s) may be shipped as soon as possible and billed to the dealer/distributor. When part(s) is returned, if it is covered under warrant, credit will be issued for the part(s) and freight charges.
8. All parts found to be defective shall be retained by and shall become the property of iTOOLCO. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Corporate Address: iTOOLCO
100 Meco Lane
Oak Ridge, TN 37830

