

LocoLoc®

Cutting Tools

Leos Ends®



HC-S20BAT

Handheld Battery-Powered Cutter

Operator's Manual

LEOS & CO. INC.
CABLEWARE® DIVISION

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SPECIFICATIONS

FEATURES

- Flip-Top Latching Head
- Tested UP to 75kV
- One Hand Operation
- Rotational Head
- Rapid Advance

CRIMPING TOOL

Output:	6 ton
Weight:	7.7 lbs.
Size:	19" L
Jaw Opening:	.75"

CAPACITIES

Wire Ropes:	16 mm, 5/8"
Soft Steel Bolts:	13 mm, 1/2"
Chain: EHS	DO NOT CUT
Guy Wire :	10 mm 3/8"

STANDARD ACCESORIES



BATTERY CARTRIDGE



BATTERY CHARGER



CARRYING CASE

SAFETY GUIDELINES

This guide presents the setup, use, maintenance and troubleshooting of the charger along with instructions for conditioning your batteries.

Before using the battery charger, read all instructions and cautionary markings on the battery charger, battery and on any product using the battery.

WARNING

To reduce the risk of injury, use this charger only with authorized products. Other batteries or adapters may cause personal injury and/or damage.

- Do not expose the charger to rain, snow or direct sunlight.
- Use the charger at room temperature 68°F (20°C) to 77°F (25° C).
- Place the charger in a well-ventilated area free of foreign objects/matter.
- To reduce risk of electric shock, unplug the charger from the outlet before cleaning or changing adapters.
- Dispose of used batteries in accordance with local hazardous material laws.
- Do not disassemble, incinerate, modify or short circuit batteries, charger or related components.

POWER SUPPLY CONNECTION

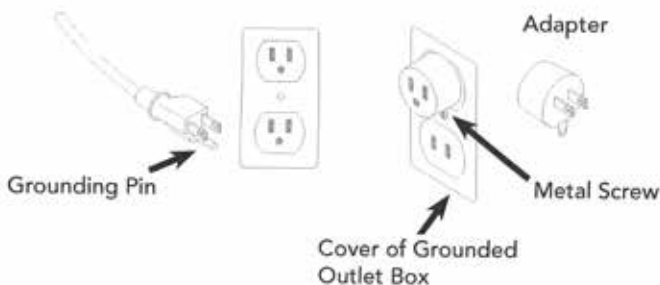
The power supply uses a nominal 220 volt circuit. The power supply manages and conditions the power input to the charger. The power supply does not use a resettable or replaceable fuse. If a power surge occurs the power supply temporarily interrupts the current supply until the condition is corrected. If the power light on the power supply fails to light, an extreme surge may have occurred and the power supply may trigger an internal fuse that must be serviced by the manufacturer. Return the power supply for repair or replacement immediately.

WARNING

Never alter an AC cord or its plug. If it does not fit into your outlet, have a proper outlet installed by a qualified electrician. An improper connection can cause an electric shock. To reduce the risk of electric shock, the charger must be grounded.

Before using an adapter, ensure that the outlet box is grounded. If you are not sure the box is grounded, have it checked and repaired, if necessary, by a qualified electrician.

A temporary adapter can be used to connect the grounding plug to a properly grounded two-prong outlet. A 110-volt adapter is shown below. Connect the grounding plug on the adapter to the outlet box using the cover plate screw. Use the temporary adapter only until a properly grounded, three-prong outlet can be installed by a qualified electrician.



GENERAL INFORMATION GUIDE

The following steps are guidelines for safe operation of the cutters. Please take the time to review them as these are helpful hints that have been accumulated over the years.

1. After inserting a battery pack, check if it is securely in place by pushing it gently, and a “click” will be heard. While pressing the latch, pull out the battery pack, to replace the battery pack, push the new one firmly into place.
2. Open the fixed cut head, insert cable, then close the fixed cut head and press the trigger to be cut.
3. Once the cut is done, press the release button to retract the cutter.
4. Stay within the maximum cutting limits of each tool as listed.
5. Try to keep the cutter head clean. When cleaning, use a spay lubricant to avoid a build up of dirt and sand which damage the cutter head.
6. Stop cutting when the blade reaches the extreme end of its advance. If the material being cut (usually wire rope or soft cables) seems to be cut but does not break free of the tool, this indicates that the blade is jammed on a small piece of cable. Refer to “troubleshooting” to free the blade.
7. All tools require proper care. Occasional cleaning and degreasing in solvent, and sharpening blade and cutter head, will keep these tools operating without problems.
8. The most common problem encountered is blade breakage.

GENERAL INFORMATION GUIDE

Ninety-nine percent of all breakage occurs because the cutter head is not securely latched before cutting. If the latch is not secured, the blade will push open the cutter head and damage both the body head and blade. This causes the outside ear to the blade to break on an angle. In some cases, the whole cutter head may crack in half. Cutting material that is not specified may also cause blade damage. In time, these blades will fatigue and crack and must be replaced.

9. There may be a residue of oil present on new tools when they are removed from the original shipping container. This is to protect the tool from corrosion during shipment and storage, and should not be considered defective. The tool can be cleaned with a spray degreaser or soapy water.
10. If tool is jammed, avoid beating directly on the tool with a hammer, especially avoid flattening the piston cylinder. Use a hammer in conjunction with a block of wood or soft material to free the blade. See troubleshooting in page 5.
11. All tools can be reconditioned and overhauled. Call factory and obtain an RGA# for returning tools.
12. Always return tools to their carrying case to protect them from sand and dirt.
13. Always carry a spare blade (Part No. 20-07), preferably attached to the carrying case.
14. When cutting, keep area clear of spectators as hardened metals may fly apart when severed.

GENERAL INFORMATION GUIDE

1. Always cut the material at a 90 degree angle to the blade. Any other angle may cause the blade and head shear to fracture. See illustration below.
2. Head rotates 180° for proper cut angle.

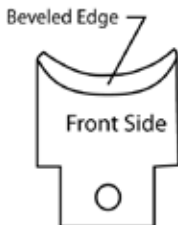
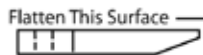


BLADE SHARPENING INSTRUCTIONS

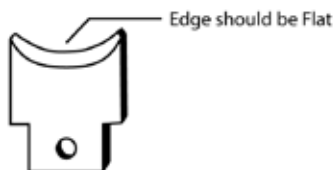


1) Set Blade on Flat Surface with Beveled Edge Facing Down.

2) Use a Sharpening Stone to Remove All Burrs From Back Surface.



3) Use a High Speed Dremel Type Tool to Flatten Top Edge of Blade.
* Do Not Sharpen Like a Knife Edge!!



OPERATING INSTRUCTIONS

1. Before cutting, make sure the material being cut is within the proper cutting capacity of the tool being used.
2. Open cutter head by lifting latch.
3. Insert material between cutter head and blade and secure latch. It is important that you check the latch for proper engagement before continuing with the cut. **Failure to secure the latch can result in severe tool damage and personal injury.**
4. Align the material 90 degree angle to the blade. This will ensure a proper cut with minimal distortion. If the material is cut at any other angle, severe blade damage may occur. Refer to diagram on page 9 for proper alignment.
5. Once the cut is made, the release lever under trigger can be depressed to retract the blade.
6. These cutters do not have a by-pass cartridge like our compression tools, so they should be released once the cut is made and not continued to be advanced. If the tool is advanced under pressure with no load, it is difficult to release the blade. Refer to the troubleshooting on page 10 if this condition occurs.
7. Always wear eye protection and any other specified safety equipment when cutting. Be sure surrounding area is clear, as hardened metals may fly apart when severed.
8. **Do not use to cut EHS Guy Wire or Bridge Strand. Contact Loos & Co., Inc. Cableware Division for these cutters.**

TOOL TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
MOTOR RUNS, BUT THE 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 System	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
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 that Switch is Properly Aligned with Trigger
		Consult Factory for Repair Service
TOOLS 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

TROUBLESHOOTING CUTTER

1. **Problem:** Small wire strands or pieces of cable or debris get jammed between the cutter head and blade, not allowing the blade to retract.

Solution:

A) Hold release lever down while tapping on the ram with a block of wood and a hammer. If this does not work or tool continues to hang up, proceed to step "B".
B) Remove blade screw and release the ram. Then disassemble cutter head and remove burrs from both blade and head shear, using a flat grinding stone on the rolled edge. Do not sharpen like a knife - leave cutting edge flat! See illustration on page 8

2. **Problem:** Blade is advanced under pressure with no load and the release lever seems to be stuck.

Solution:

A) Use both hands to depress release trigger using body weight and the ground or other strong surface for support.

BATTERY TROUBLESHOOTING

Symptom/Situation	Probable Cause	Corrective Action
Power indicator (charger) is not lit/displayed. (All stations)	AC power supply cord not connected to wall outlet. Power supply cord not connected to battery charger.	Check power supply connections.
	Bad power supply.	Replace power supply.
	Bad fuse.	Replace fuse.
Power indicator (charger) is not lit/displayed. (Single Station/ Fault)	Bad docking station, charger.	Do not use station.
	Faulty LED.	Return for repair. Try another charger.
Battery Rejected indicator is displayed. (Amber flashing)	Faulty condition identified.	Remove battery from charger and reinsert. Re-seat docking station.
	Over discharge of battery.	Allow to sit in charger for 15 minutes, then reinsert.
	Defective Battery.	Replace battery.
Station goes to ready in a short period of time (5-15 minutes).	Battery is fully charged.	Try conditioning battery.
	Faulty battery.	Replace battery. Remove battery from charger and reinsert.
	New Battery.	
Station will not go into Charge mode. (Amber solid indicator)	Charger not seated correctly.	Re-seat charger.
	Bad charger.	Replace charger.
	Defective battery.	Replace battery.
	Faulty LED.	Send in for repair.
Station will not go into Condition mode. (Amber solid indicator) (NiMH only) (Li-Ion does not condition)	Battery too hot.	Remove battery.
	Battery not designed to condition in the charger.	Do not condition.
	Faulty LED.	Send in for repair.
Battery becomes hot	Defective battery.	Immediately remove battery from charger and replace.
Power supply shuts down temporarily.	Power line surge.	Power will automatically reset.

WARRANTY

Huskie Tools products carry a warranty that makes us a leader in the tool industry. No other manufacturer dares to back its tools as we do.

All Huskie REC-SERIES battery-operated products carry a 5-year warranty. The ECO-SERIES battery-operated products carry a 1-year warranty. The IL-ND battery-operated products carry a 3-year warranty. The BP-70E, BP-70EI, BP-70MH, and TBP-84 batteries carry a 5-year or 1,000 recharge cycles warranty from the date stamped on the battery.

PRODUCT WARRANTY

REC-Series battery-operated products	5 Years
ECO-Series battery-operated products*	1 Year
IL-ND battery-operated products	3 Years
Batteries (BP-70E, BP-70EI**, BP-70MH, TBP-84)	5 Years
Chargers (CH-35R, CH-70DCH, CH-90, CH-86	5 Years

*Please call the factory with warranty questions.

**The BP-70EI is no longer available. The LED indicator on the BP-70EI carries a 1-year warranty from purchase date.

The warranty does not cover any damages incurred from a Huskie tool including damages to property, bodily injuries, and lost wages resulting from such injuries. This warranty solely covers the repair or replacement of tools supplied by Huskie. These remedies are exclusive, and the total liability of Huskie Tools, Inc. whether based on contract, warranty, negligence, indemnification, strict liability or otherwise, shall not exceed the purchase price of the tool. In no event shall Huskie Tools, Inc. be liable for consequential, incidental or special damages.

HUSKIE TOOLS, INC. MAKES NO OTHER WARRANTIES OF ANY KIND, EXPRESSED OR IMPLIED, AND ALL IMPLIED WARRANTIES INCLUDING ANY WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED.

WARRANTY (CONT.)

Huskie reserves the right to determine all warranty claims. Huskie will not warranty tools containing parts or batteries not originally supplied by Huskie. Failure due to misuse, improper maintenance, misapplication, not following instructions or warnings, abuse or repairs attempted by anyone other than Huskie Tools, Inc. or an authorized service center renders this warranty null and void.

Repair and Warranty Claims

All claims must be sent to Huskie for inspection and authorization. A Return Goods Authorization (RGA) is required before shipping tools to Huskie. Secure the authorization by telephoning or writing to Huskie's main office with details of the claim. Non-warranty repairs are handled using the same procedure. Repairs exceeding 50 percent of the cost of a new tool will be advised before repairs are made.

Payment Terms

Upon credit approval, Huskie's standard payment terms are net-30 days. Visa, Mastercard, Discover, and American Express are also accepted.

Freight

All Huskie Tools are FOB, Glendale Heights, Illinois. Goods will be shipped pre-paid and added, unless otherwise specified. Freight shipments over \$17,000 are pre-paid.

Quotations

Special quantity quotations should be phoned in to discuss the scope of your tool requests.

WARRANTY (CONT.)

Complete Support Services

Our customers have direct access to us for training, service, and problem solving. As specialists in tools, we maintain a trained repair staff and a large stock of parts. This contrasts with many tool suppliers who carry tools as a sideline without offering support services. Here are some reasons why our customers love to do business with us:

- Quick delivery
- We maintain inventory in our headquarters
- Training and troubleshooting services
- Fast repair service
- Design and engineering service for special tools

HOW TO GET SERVICE UNDER THE TERMS OF THE LIMITED WARRANTY

Return your product directly to Huskie Tools, Inc. as our representative network is not prepared to service the product under the terms of this warranty.

1. Write, call, or fax Huskie stating the tool's purchase date and problem. You will be given an RGA # to assure that your merchandise will be properly handled upon its receipt.
2. CAUTION: Make sure the product is packaged adequately so as to prevent damage or loss during transit. The shipment must be prepaid and we recommend that it be insured. A cover letter indicating the reason for the return should be included in order to facilitate repairs.
3. To fill out an RGA online, go to HuskieTools.com and click on "Repairs."



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