



Operating Manual

Please Read Before Operating Unit



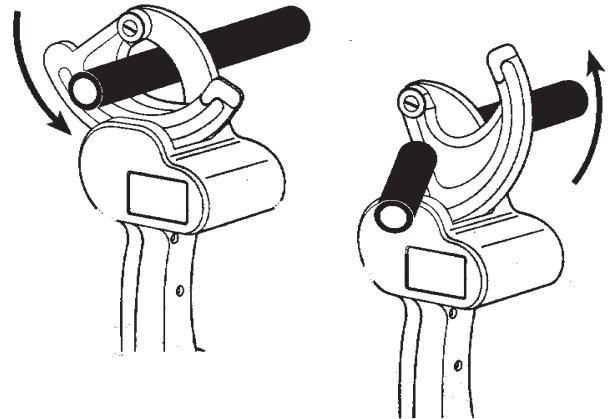
CCB100 Battery Operated Cable Cutter

Please Call for Service or Spare Parts

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CCB100 BATTERY OPERATED CABLE CUTTER



SPECIFICATIONS

Maximum cable diameter	1000 kcmil soft drawn copper 750 kcmil hard drawn copper May not be used on steel
Blades.....	One fixed, one rotating, both hardened steel
Decibel rating.....	70 dB(A)
Power	12.0 V DC motor powered by rechargeable NiCad Battery
Battery	12.0 V DC sealed nickel cadmium, rated capacity 1.2 A/hr. Charge time 1 hour to 80%, 4-6 hours for quick charge, and 14-16 hours for standard charge to 100%. May be recharged approximately 1,000 times.
Battery charger.....	120V, 60Hz AC single phase (Contact factory for 220/240V charger)

Sizes:

Unit	4" x 4-1/2" x 14-1/2" (102mm x 114mm x 368mm)
Battery	2-3/4" x 2-3/4" x 4-3/4" (70mm x 70mm x 121mm)
Battery Charger	5-3/4" x 3" x 2-13/16" (146mm x 76mm x 71mm)

Weights:

Unit (with battery)	6 lbs. (2.7 Kg)
Battery	1 lb, 4 oz. (0.6 Kg)
Battery charger.....	2 lbs, 3 oz. (1 Kg)

ORDERING INFORMATION

ER0601 (CCB100) Portable cable cutter kit,
includes batter pack, 110V charger and carrying case

IMPORTANT SAFETY INSTRUCTIONS READ ALL INSTRUCTIONS

! WARNING

DO NOT OPERATE TOOL UNTIL YOU HAVE READ THOROUGHLY, AND UNDERSTAND COMPLETELY, ALL INSTRUCTIONS, RULES, ETC., ON THESE PAGES. THESE ARE IMPORTANT SAFETY INSTRUCTIONS AND SHOULD BE KEPT FOR FUTURE REFERENCE. CONTACT ERASER IF INSTRUCTIONS ARE NOT CLEAR.

The information provided in this manual is essential for the safe handling, operation, and maintenance of the CCB100. The operator must read, understand, and follow these instructions and **all** safety warnings and labels before operating these tools.

Only use these tools in accordance with the manufacturer's specifications. Other use of these tools may lead to serious personal injury or death.



Tools are **NOT** insulated for use on or near energized conductors. Use of these tools near energized conductors may lead to electrical shock, causing severe injury or death. **DO NOT** use these tools near energized conductors without adequately insulating operator and surroundings.



Blade Hazard Blade moves at high speed and force and can cause severe personal injury. To avoid serious personal injury, keep all body parts away from moving parts of the tool.

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DO NOT over-reach while operating this tool. Loss of balance can cause serious personal injury or death. Move closer to work area and securely support yourself and your work. **ALWAYS** keep proper footing and balance.



Use all appropriate safety equipment when handling, operating, and servicing this tool such as: safety shoes, hard hat, eye and ear protection, work gloves, and sleeves.

To help ensure safe operation of this tool, keep all safety labels clean and legible. Replace labels when necessary with new labels. See the **ORDERING INFORMATION** section of this manual or contact Eraser for more information.

SET-UP:

The CCB100 is a 12.0V DC battery powered cable cutter capable of cutting up to 750 kcmil hard drawn copper cable, up to 1000 kcmil soft drawn copper and up to 2" O.D. aluminum cable. The CCB100 comes with cutting tool, sealed nickel cadmium 12V battery, 120V AC single phase charger, and carry case.

It is normal for copper residue to be found on the blades of the CCB100. This is the result of testing of the unit prior to shipping. Before using, clean the copper residue off the blades and charge the battery as described below.

CHARGING A BATTERY:

! WARNING



DO NOT short circuit charger output terminals. Shorting the output terminals can lead to electrical shock which may cause severe personal injury. To avoid short circuiting the charger unit, avoid exposing the charger to water, oil, or other liquid solvents.

DO NOT disassemble or modify the charger. Disassembly of the charger may lead to electrical shock, which can cause personal injury.

DO NOT use the charger supplied with your CCB100 for batteries other than those specifically recommended. Using this charger for other battery types may cause the battery to overheat and burst, which may cause serious personal injury.

DO NOT drop or otherwise abuse the charger. Dropping the charger may cause the battery pack-clip to break.

- 1) When a battery is inserted into the charger, the red LED indicator lights up and stays on as the battery charges. When the battery is at 80% capacity, the red LED turns off and the green LED turns on. The green LED indicates that the charger is still charging but in a *trickle* mode. To reach 100% capacity will take approximately 13-15 hours after the green LED switches on.

NOTE: The green LED is *always* on once the battery has reached 80% capacity. It is OK to use the battery after the red LED turns off and switches over to the green LED.

- 2) The charger will not operate effectively if it is overheated. Allow at least 15 minutes between charging when several batteries are charged continuously.
- 3) To achieve optimal charging, cool batteries before charging, and only charge batteries in an ambient temperature of 50 to 90 degrees F (10-35 degrees C).
- 4) The charge time is approximately 1 hour for a fast charge (80%), 4 to 6 hours for a quick charge and 14 to 16 hours for a standard charge (100%).

BATTERY CARTRIDGE:

! WARNING

DO NOT short circuit battery output terminals. Rapid battery discharge can cause overheating that may burst the battery, which may lead to serious personal injury. To prevent short circuiting the battery pack, avoid exposing the battery to water, oil, or other liquid solvents and metal objects.

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DO NOT disassemble or modify the battery. Disassembly of the battery may lead to short circuiting the battery cells, which may cause personal injury or damage to the battery.

DO NOT use the charger supplied with your CCB100 for batteries other than those specifically recommended. Using this charger for other battery types may cause the battery to overheat and burst, which can cause serious personal injury.

DO NOT drop or otherwise abuse the battery. Dropping a battery may cause the battery pack-clip to break.

DO NOT expose batteries to locations where temperatures may exceed 140 degrees F (60 degrees C). Overheating batteries can cause battery cell damage.

- 1) The battery provided with your cable cutter has a limited life. It can be recharged approximately 1000 times, although charging habits and conditions will affect the battery's life.
 - 2) If the battery is stored without being charged, natural drainage will cause the power to be reduced. Charge the battery approximately every 3 months to ensure it is ready when needed.
 - 3) Follow the instructions provided with the battery for properly disposing of a dead battery.
- 1) Refer to the SPECIFICATION SECTION in this manual for the recommended cables for use with this cutter. This tool is not for use with cables larger than those listed in the specification table.
 - 2) If the cutter is used continuously, the temperature of the motor may rise, causing the battery pack to become hot. This occurrence can cause the tool to malfunction. Cool the cable cutter tool between cuts to ensure proper operation.
 - 3) If the ambient temperature is low (less than 50 degrees F), the cable material may become harder and cutting may not be performed as efficiently. To achieve optimal performance from your cable cutter, allow the cable to warm before cutting.
 - 4) This tool contains precision parts and may not function correctly if it is abused. Take care to avoid exposing the cable cutter tool to shocks or other abuse that may damage the tool's components.

CUTTER:

! WARNING



Tools are **NOT** insulated for use on or near energized conductors. Use of these tools near energized conductors may lead to electrical shock, causing severe injury or death. **DO NOT** use these tools near energized conductors without an adequately insulating operator and surroundings.



Always wear protective gloves when handling the cutter blades. Cutter blades have sharp edges that can cut skin even when stationary.

DO NOT expose the tool to moist conditions. Moisture can lead to tool deterioration and can cause the circuit to malfunction.

OPERATING INSTRUCTIONS

! CAUTION:

DO NOT cut steel conductors or any other conductors that contain steel. Cutting steel can cause tool failure, which may lead to personal injury and property damage. Always wear eye protection when operating this tool.

REMOVING OR ATTACHING THE BATTERY:

- 1) While pressing the battery latch on the battery, pull the battery down and out of the tool. To replace the battery, properly align it with the tool's battery port and firmly push it until it clicks into position.
- 2) To ensure the battery is properly attached, pull it without pressing the latch. The battery should remain secure to the tool if properly inserted.

SWITCH OPERATION:

- 1) For safety purposes, the cutter has a 3-way action switch system - **FORWARD (F)**, **REVERSE (R)**, and **NEUTRAL (N)** when positioned in the center. The ON and OFF trigger switch will not function when the 3-way lever switch is in the neutral position.

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- 2) To activate the cutting mode, simply move the 3-way lever switch to the "F" position and depress the trigger switch.
- 3) To reverse or back up the moving blade, move the 3-way lever switch to the "R" position and depress the trigger switch.

CUTTING CABLE:

- 1) Read all of the SET-UP and SAFETY INSTRUCTIONS prior to cutting cable.
- 2) Activate the trigger switch to open the moving blade. The 3-way lever switch can be in either position "F" (Forward) or "R" (Reverse).
- 3) Place the cable to be cut onto the stationary blade and close the moving blade by hand so that the gear teeth engage the drive mechanism of the unit.
- 4) Move the 3-way lever switch to "F" position. Depress and hold the trigger switch until the cable is completely cut.
- 5) To make several small cable cuts continuously, you can alternate use of the Forward and Reverse modes to keep the blade engaged with the drive mechanism of the tool.
- 6) When finished, remove any dust or particles that may have become attached to the blade.

CIRCUIT BREAKER:

Your CCB100 is equipped with an internal circuit breaker to prevent damage to your tool. The following instructions will assist you to determine the causes for breaker activation and how to reset the breaker.

- 1) The tool will not operate when the circuit breaker is activated. The circuit breaker may activate under the following conditions:
 - The tool is used to cut oversized or hard material.
 - The tool becomes overheated from continuous use.
 - The tool draws current in excess of its rated amperage.

When activated, the reset pin will stick out about 1/16" from its original position.

- 2) To continue using the tool, wait 10 seconds to 1 minute and press the reset pin back into position (Normal operation can resume when the reset pin has been returned to its original position).
- 3) If the breaker activates again, allow the tool to return to room temperature before using. Also, eliminate any conditions that may lead to the breaker activation, such as those described in (1) above.

MAINTENANCE:

Daily maintenance is important to keep your cable cutter in good working condition. Follow the advice below to help ensure your tool provides long, reliable performance.

To ensure smooth operation and prevent rust, store the tool in a cool, dry place.

Inspect blades for damage or burrs. If burrs exist, they can be removed with a flat grinding stone on the back side of the blades. Clean, sharp blades will provide better and safer performance.

When the plastic housing becomes dirty, clean it with a soft soaped cloth. Keep handle clean, dry and free from oil and grease at all times.

SERVICE:

Service information is provided only for experienced tool technicians. We do not recommend you attempt to service or repair any tool yourself. Tool servicing by unqualified personnel will void the warranty and may lead to serious personal injury.

COMPLETE DISASSEMBLY OF THE TOOL IS NOT RECOMMENDED.

The disassembly procedure is divided into sections of the tool. Complete disassembly of the tool is seldom necessary. Disassemble only the areas necessary to correct the problem.

GENERAL GUIDELINES:

Disassembly should be done on a flat, clean surface. Some parts may fall free during disassembly. To prevent part loss or damage, keep the tool as close to the working surface as possible.

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Inspect all parts as they are disassembled and their mating parts in the tool that are not removed for signs of damage, wear, cracks, etc. Replace any parts which appear to be damaged.

When disassembling the tool for service, it is recommended that O-rings, back-up rings and gaskets be replaced.

Clean grease and oil from all parts (take care to protect eyes) then dry thoroughly. Do not expose O-rings or other packing components to cleaning agent for long periods of time.

Inspect all parts as they are assembled for signs of damage, wear, cracks, etc. Do not install any parts which appear to be damaged.

Apply hydraulic fluid or O-ring lubricant to all O-rings and their mating surfaces to facilitate installation. When installing an O-ring over a sharp edge, use a rolling action to avoid damage to the O-ring.

Whenever assembled parts cause metal-to-metal contact, coat the surface with hydraulic fluid or O-ring lubricant.

Gear Guide Replacement:

- 1) Make sure that the blades are free of any obstructions.
- 2) There are two gear guides, left and right. Operate the cutter in either the forward or reverse direction to move the blade completely out of the gear mechanism. This will expose the gear guide that you wish to replace.
- 3) Remove the battery from the cutter.

- 4) Using an M2.5 Allen wrench, loosen and remove the screw (Item M) and lock-washer that secure the gear guide to the moving blade.
- 5) Install the replacement gear guide on the new moving blades, making sure to position it correctly. Make sure that the lock-washer is positioned between the screw head and the gear guide.
- 6) Using the Allen wrench, tighten the screw securely.
- 7) To replace the other guide, repeat steps (2) to (6).
- 8) Re-install the battery and operate cutter. The Forward/Reverse switch may have to be switched, depending upon the position of the blade. Keeping your fingers away from the blade areas, carefully feed the moving blade into the gear mechanism to engage the blade. Make sure the cutter operates correctly, without any binding, before using it to cut cable. If binding is evident, stop the tool immediately and repeat steps (2) to (6).

IMPORTANT: NO LIABILITY WILL BE INCURRED BY THE ERASER COMPANY FOR INJURY, DEATH, OR PROPERTY DAMAGE CAUSED BY A PRODUCT WHICH HAS BEEN SET UP, OPERATED, AND/OR INSTALLED CONTRARY TO ERASER'S WRITTEN OPERATING MANUAL, OR WHICH HAS BEEN SUBJECTED TO MISUSE, NEGLIGENCE, OR ACCIDENT, OR WHICH HAS BEEN REPAIRED OR ALTERED BY ANYONE OTHER THAN ERASER, OR WHICH HAS BEEN USED IN A MANNER OR FOR A PURPOSE FOR WHICH THE PRODUCT WAS NOT DESIGNED.

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