INSTRUCTION MANUAL

GREENLEE
A Textron Company

HK520
Hydraulic Cable Cutter

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

The HK520 Cable Cutter is intended to cut copper and aluminum cable up to 350 MCM, 397 ACSR, 1/2” reinforcement bar (rebar), 1/2” guy wire and 3/4” wire rope. It is not intended for use on EHS guy wire.

Safety

Safety is essential in the use and maintenance of Greenlee tools and equipment. 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.

Purpose

This instruction manual is intended to familiarize personnel with the safe operation and maintenance procedures for the Greenlee HK520 Cable Cutter.

Keep this manual available to all personnel.

Replacement manuals are available upon request at no charge.

All specifications are nominal and may change as design improvements occur. Greenlee Textron shall not be liable for damages resulting from misapplication or misuse of its products.

KEEP THIS MANUAL
IMPORTANT SAFETY INFORMATION

SAFETY ALERT SYMBOL

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

⚠️ DANGER

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

⚠️ WARNING

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

⚠️ CAUTION

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

⚠️ WARNING

Electrical Shock Hazard: This tool is not insulated. Use protective equipment when utilizing this unit near energized electrical lines. Failure to observe this warning could result in severe injury or death.

⚠️ WARNING

• Electrical Shock Hazard: The owner of this cutter must be certain that all users of this tool are trained in the applicable safety codes and standards, as well as, in the safe use of this tool and its accessories.
• Do not cut cable under tension.
• This tool is intended for two-handed operation. Maintain a firm grip on both handles during operation. Failure to observe these warnings could result in severe injury or death.

⚠️ WARNING

Read and understand all of the instructions and safety information in this manual before operating or servicing this tool. Failure to observe this warning will result in severe injury or death.
IMPORT IMPORTANT SAFETY INFORMATION

⚠️ WARNING

High Pressure Hazard:
Do not use fingers or hands to check for oil leaks. High pressure oil easily punctures skin causing serious injury, gangrene or death. If injured seek medical help immediately to remove oil.

⚠️ WARNING

Keep hands and fingers away from closing blades.

⚠️ WARNING

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

⚠️ CAUTION

- Inspect the tool before use. Replace any worn or damaged parts. A damaged or improperly assembled tool can malfunction, injuring nearby personnel.
- Do not perform any service or maintenance other than as described in this manual. Injury or damage to the tool may result.
- Use this tool for the manufacturer’s intended purpose only. Use other than that which is described in this manual could result in injury or property damage.

⚠️ IMPORTANT

Do not place the tool in a vise. The cutter is designed for hand-held operation.
Operation

1. Lift the head latch to open the cutter.
2. Place the material to be cut between the jaws.
3. Close the head latch completely.
4. Align the material at a 90° angle to the blades.
5. Pump the pump handle to advance the blade.
6. When the cut is complete, press the release lever to retract the blade.

Note: Do not continue to advance the blade after the cut is finished. This could cause the cable cutter to jam.

**WARNING**

Electrical Shock Hazard: This tool is not insulated. Use protective equipment when utilizing this unit near energized electrical lines. Failure to observe this warning could result in severe injury or death.

**WARNING**

Keep hands and fingers away from closing blades.

**WARNING**

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

**WARNING**

- Do not cut cable under tension.
- This tool is intended for two-handed operation. Maintain a firm grip on both handles during operation.

Failure to observe these warnings could result in severe injury or death.

**CAUTION**

- Inspect the tool before use. Replace any worn or damaged parts. A damaged or improperly assembled tool can malfunction, injuring nearby personnel.
- Do not perform any service or maintenance other than as described in this manual. Injury or damage to the tool may result.
- Use this tool for the manufacturer’s intended purpose only. Use other than that which is described in this manual could result in injury or property damage.
Maintenance

**WARNING**

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

**CAUTION**

Do not perform any service or maintenance other than as described in this manual. Injury or damage to the tool may result.

Use a spray lubricant to keep the cutting head free of grit, dirt and metal chips.

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**Blade Sharpening Instructions**

1. Set blade on flat surface with beveled edge facing down (see Figure A).
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 (approximately 1/32" wide flat).

**Figure A**

Flatten this surface.

Beveled Edge

Edge should be flat

BACK SIDE

FRONT SIDE

**Do not leave a sharp edge.**
This will cause chipping of cutting surface and will decrease blade life.
# Troubleshooting

<table>
<thead>
<tr>
<th>Problem</th>
<th>Probable Cause</th>
<th>Possible Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cutting blade does not advance. Ram advances but will not build enough pressure to cut.</td>
<td>Check balls are not properly seated.</td>
<td>Seat check ball (47) into induction valve (48).</td>
</tr>
<tr>
<td></td>
<td>Hydraulic fluid level is low, or there is air in the system.</td>
<td>Remove main handle (55) exposing bladder (51). Remove plug (52). Fill with oil and replace plug (52).</td>
</tr>
<tr>
<td>Blade does not retract after cut is completed.</td>
<td>Debris is caught between the moving blade and the cutter head.</td>
<td>Unlatch the head. Press down on the release lever (31). Jog the head back and forth to free the blade. If the blade still doesn’t retract, spray the head and moveable blade with a spray lubricant and repeat.</td>
</tr>
<tr>
<td>Release lever (31) cannot be depressed.</td>
<td>Check ball will not unseat.</td>
<td>Place the tip of a screwdriver directly on the release valve stem (34) under the release lever (31). Using the screwdriver as a lever, pull up on the screwdriver handle to depress the release ball stem.</td>
</tr>
<tr>
<td>Blades do not cut cleanly.</td>
<td>Blades are dull.</td>
<td>See blade sharpening instructions and diagrams.</td>
</tr>
</tbody>
</table>
HK520 Hydraulic Cable Cutter

Exploded View
## Parts List

<table>
<thead>
<tr>
<th>Key</th>
<th>Part No.</th>
<th>Description</th>
<th>Qty</th>
<th>Key</th>
<th>Part No.</th>
<th>Description</th>
<th>Qty</th>
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<td>1</td>
<td>500 0333.0</td>
<td>Locking jaw</td>
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<td>31</td>
<td>500 1019.0</td>
<td>Release lever</td>
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<td>32</td>
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<td>Release valve stem</td>
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<td>Ring cover</td>
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</tbody>
</table>

* 500 1078.6 | Seal kit (includes items marked with asterisk)  
501 0620.1 | Stud kit (includes items 6,7,10)  
501 0621.0 | Pivot kit (includes items 8,9)