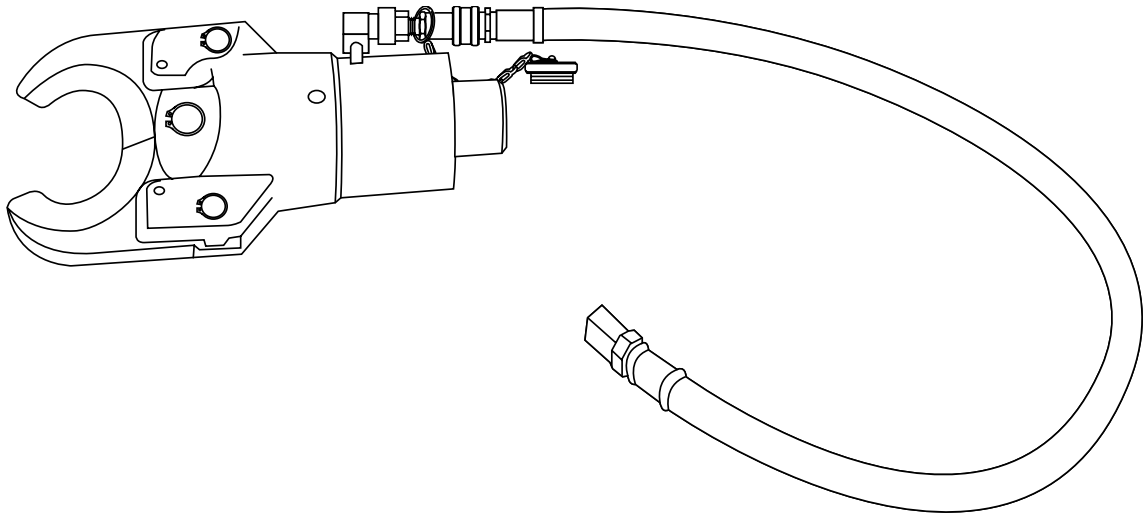


INSTRUCTION MANUAL



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750 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 750 Cable Cutter is a hydraulic cable cutter with hardened and precision-ground jaws designed to cut large cable.

The capacity of this tool is 1000 MCM standard copper or aluminum power cable and 1000 mcm underground million jacketed cable (260 mil/2.25 dia.)

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 750 Cable Cutter.

Keep this manual available to all personnel.

Replacement manuals are available upon request at no charge.

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SAVE THESE INSTRUCTIONS

IMPORTANT SAFETY INSTRUCTIONS



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**



Skin Injection Hazard:

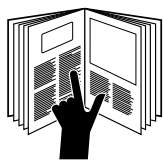
Oil under pressure easily punctures skin, causing serious injury, gangrene or death. If you are injured by escaping oil, seek medical attention immediately.

- Hand-tighten all couplings completely before operating the pump. All threads must be engaged. Do not use tools to tighten the couplings.
- Do not use fingers or hands to check for leaks while operating the pump.
- Do not hold hose or couplers while operating the pump.
- Depressurize hydraulic system before disconnecting hoses or couplers, and before servicing.



⚠ **WARNING**

Keep hands away from cutting jaws.



⚠ **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.

⚠ **WARNING**

- Use only Greenlee-supplied hoses and couplers.
- Do not cut cable under tension.
- Follow instructions and safety information supplied with pump.

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



⚠ **WARNING**

Electric Shock Hazard:

This tool is not insulated. Contact with live circuits can result in severe injury or death.



⚠ **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.

Setup

Connect the high-pressure hydraulic hose to hydraulic pump.

Note: Clean the quick-change couplers before making connections. Hand-tighten the couplers until all threads are fully engaged. Do not use tools.

Operation

	⚠ WARNING Electric Shock Hazard: This tool is not insulated. Contact with live circuits can result in severe injury or death.
---	---

	⚠ WARNING Keep hands away from cutting jaws.
---	---

1. Place the cable to be cut between the jaws.
2. Turn the pump knob to PUMP. Pump the lever until cable is cut completely.

Note: If using an electric pump, follow the instructions that came with the pump.

3. To open the jaws, turn the pump knob to RELEASE.

Converting a Greenlee Model 746 Hydraulic Ram to a Greenlee Model 750 Cable Cutter

To use your Greenlee Model 746 Hydraulic Ram to cut cable, see the following instructions to combine the 746 with a Greenlee Model 751 Cutter Head Unit.

Assembly

1. Remove the draw stud from the 746 ram unit.
2. Insert the ram into the cutter head unit. Thread the 751's draw stud into the 746 ram.
3. Turn the 746 clockwise until the jaw opening measures 1.96 inches. See Figure 1.
4. Tighten the set screw (30).
5. Connect the 746 ram to any Greenlee pump, such as the following models:

755 Hand Pump
767 Hand Pump
1725 Foot Pump
960 Electric Pump
975 Electric Pump
980 Electric Pump

Note: Use only Greenlee hoses and couplers.

6. Using the instructions supplied with the pump, advance the ram to close the cutter jaws.
7. Check for a minimum blade overlap of 0.030 inches on centerline prior to the end of the ram stroke. See Figure 2.

Maintenance

Keep all parts clean and lubricated with a light coat of moly-filled grease. Periodically check the open jaw dimension (2.25 inches between the jaws) and closed jaw dimension (0.030 inches minimum overlap on centerline). Inspect blades for wear or nicks and replace if necessary.

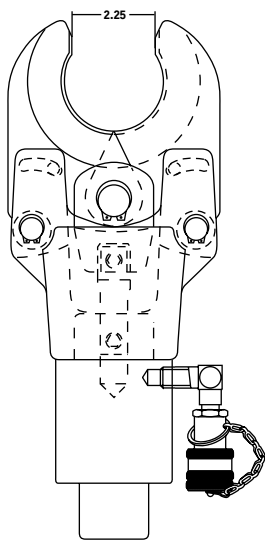


Figure 1

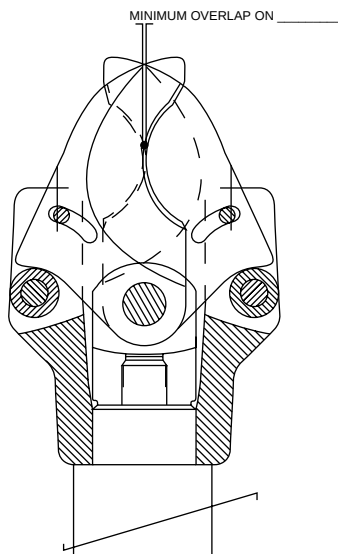


Figure 2

Troubleshooting

If the jaws cannot be adjusted to an opening of 2.25":

1. Check hydraulic fluid level. Add fluid if necessary.
2. Inspect the cutter jaw pin (10). Replace cutter jaw pin if it is bent or broken.

If the cutter jaws do not overlap at least 0.030 inches on centerline:

1. Remove and inspect roller pins (5). Replace if worn or damaged.
2. Remove and inspect pins (10). Replace if worn or damaged.
3. Replace the cutter jaws (3).

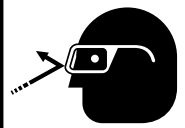
If the cutter jaws do not open properly, see the disassembly, repair, cleaning, and lubricating instructions under Disassembly and Reassembly.

Disassembly and Reassembly

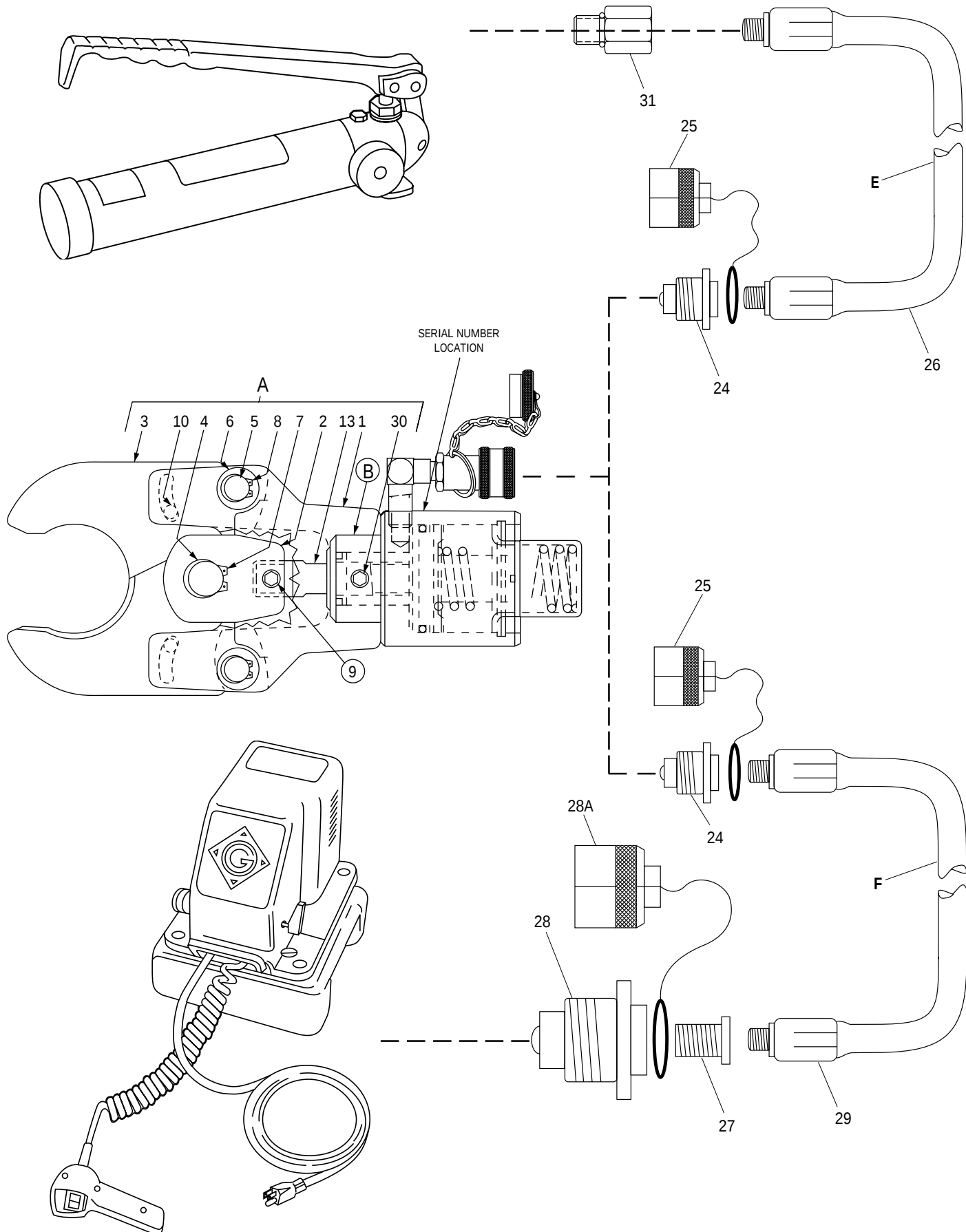
1. Turn the set screw (30) counterclockwise.
2. Unscrew the body (1) of the 751 from the ram (B).
3. Drive the two pins (10) out of the body, and pull the yoke pin (4) from the yoke (1).
4. Check the yoke (2) and the body (1) for galling. Remove small nicks and scratches with a fine cutting file.

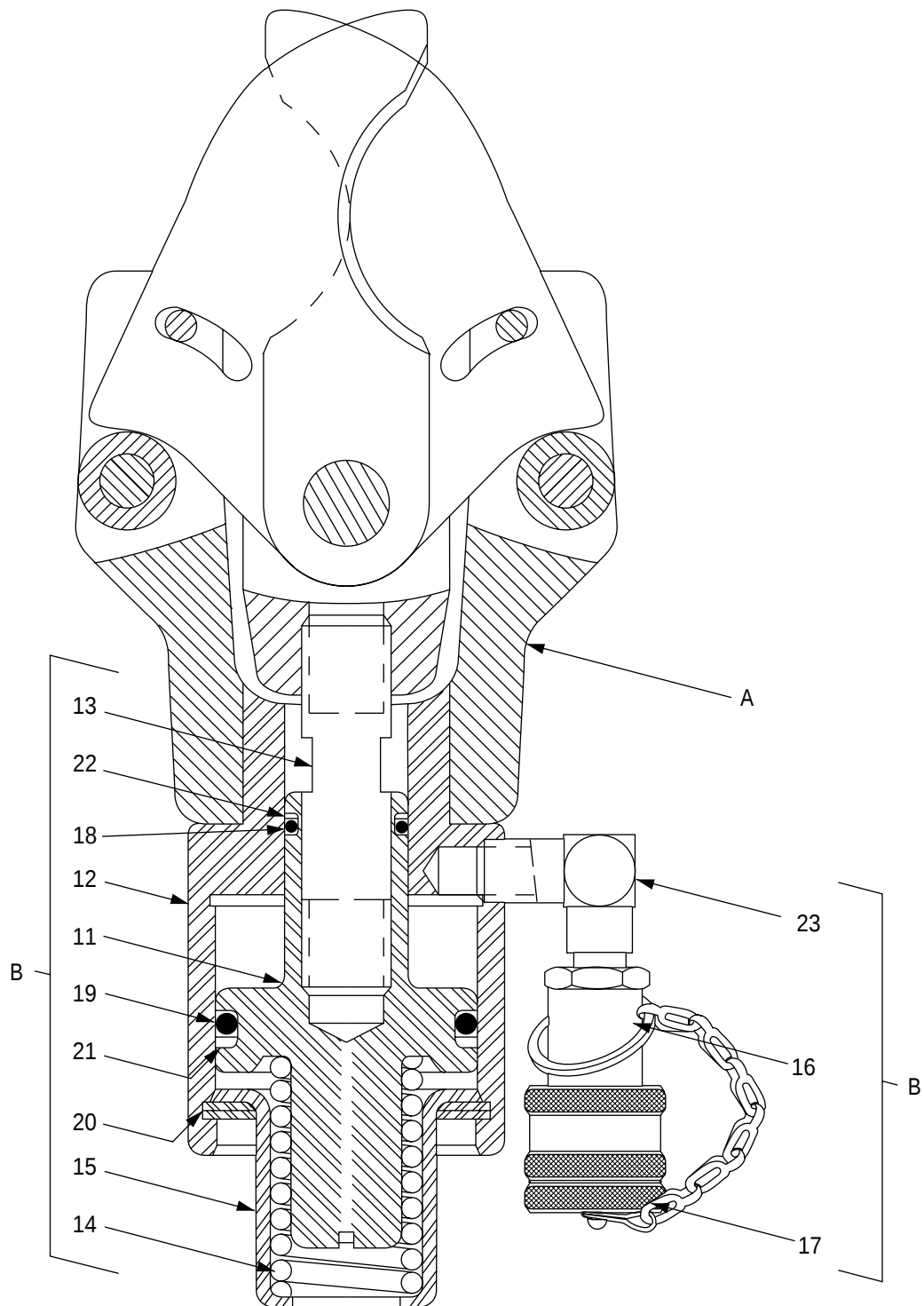
Note: Remove as little material as possible. Removing too much will cause the jaws to spread, resulting in incomplete cutting action.

5. Clean the parts by loosening grit and particles of metal with a small brush.

	⚠ 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.

6. Replace any other parts that show signs of wear or damage.
7. Lubricate the contact surfaces of all moving parts with a light coat of moly-filled grease.
8. Insert the shaft (13) into the yoke (2). Turn the shaft clockwise until it is flush with the radius in the yoke.
9. Place a few drops of grade CV Loctite onto the set screw (9) and tighten the set screw.
10. Insert the yoke pin (4) into the yoke (1).
11. Insert the two pins (10) into the body.
12. Insert the ram into the cutter head unit. Thread the 746 onto the draw stud.
13. Turn the 746 clockwise until the jaw opening measures 1.96 inches. See Figure 1.
14. Tighten the set screw (30).





Parts List

Key	UPC No. 78-3310-	Description	Qty.
A	502 2279.1	Cutter Head 751 (includes #1-10 & 13)	1
1	503 2890.5	Body	1
2	501 7869.5	Yoke	1
3	501 7459.2	Cutter Jaw	2
4	501 7460.6	Yoke Pin	1
5	503 2936.7	Roller Pin	2
6	501 7462.2	Roller	2
7	905 0283.3	Retaining Ring	2
8	905 1379.7	Retaining Ring	4
9	905 2233.8	Screw, 1/4-20 NC x 3/8 Cup Pt. Skt. Set	1
10	905 3623.1	Pin, 1/4 x 1-1/2	2
B	503 7985.2	Hydraulic Ram (includes #11-23)	1
11	501 7093.7	Piston	1
12	501 7095.3	Cylinder	1
13	501 7453.3	Shaft	1
14	501 1251.1	Compression Spring	1
15	501 1253.8	Retainer	1
16	905 4167.7	Quick-Coupler, 1/4 Female Half	1
17	905 4168.5	Protective Plug	1
18	905 0338.4	O-Ring, 7/8 x 1-1/8 x 1/8	1
19	905 0389.9	O-Ring, 2 x 2-3/8 x 3/16	1
20	905 0390.2	Retaining Ring	2
21	905 0832.7	Backup Ring, 2 x 2-3/8 x 3/16	1
22	905 1339.8	Backup Ring, 7/8 x 1-1/8 x 1/8	1
23	905 4188.0	Elbow, Street, 90° x 1/4 NPTF Pipe	1
C	501 3284.9	Hydraulic Hand Pump model 767 (see Parts List IM 727)	1
D	503 3516.2	Hydraulic Power Pump model 975 (see Parts List IM 1021)	1
E	503 8316.7	Hose Unit (includes #24-26)	1
F	501 7707.9	Hose Unit (includes #24-25, 27-29)	1
24	905 4169.3	Quick-Coupler, 1/4 Male Half	1
25	905 4170.7	Protective Cap	1
26	905 0386.4	High Pressure Hose, 1/4 x 3	1
27	905 0426.7	Steel Reducing Bushing, 3/8" x 1/4"	1
28	905 0823.8	Quick-Coupler, 3/8 Male Half with Dust Cap	1
28A	905 0846.7	Protective Cap	1
29	905 2515.9	High Pressure Hose, 1/4 x 10	1
30	905 2234.6	Screw, 5/16"-24 NF x 1/2 Cup Pt. Skt. Set	1
31	905 5160.5	Connector with O-Ring, 7/16-20 x 1/4 Pipe (if necessary)	1
	500 3466.9	Decal, Warning (not shown)	1
	501 7488.6	Decal, Caution (not shown)	1

750 H 767 (501 7450.9) Cable Cutter with 767 Hand Pump (includes A, B, C & E)

750 E 975 (501 7708.7) Cable Cutter with 975 Electric Power Pump (includes A, B, D & F)

750 (502 9149.1) Cable Cutter with Ram (includes A & B)

751 (502 2279.1) Cutter Head Unit (includes A)

GREENLEE TEXTRON

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