BULLETIN IM-985 REV. NO. 1 OCTOBER, 1986

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TYPICAL SETUP USING ADAPTER ADILUNANDA HANDER AD **PUNCH DRIVER**



SAFETY FIRST

- 1. Be sure to operate your driver only with 6. The driver is capable of punching its rated holes GREENLEE manufactured punches, dies, and draw studs. anetau8-pula
- 2. CAUTION: Do not exceed capacity of unit and draw studs as shown in chart on page 2.
- 3. Be sure to use only GREENLEE supplied draw studs. Keep the draw stud installed securely to the driver.
- 4. Do not use 31874 adapter except as outlined in the capacity chart shown on page 2.
- 5. Always observe the outlined procedures as described in this manual for installation of draw studs, punches, and dies.

- with a maximum of 80 lbs. input force. If excessive force is required, stop and inspect set up for proper assembly.
- 7. Be sure to check punch sharpness and draw stud threads for wear before using. If dull or damaged replace immediately.
- 8. Always stand erect on firm, level surface providing solid footing when operating tool.
- 9. Handle extentions (cheaters) must never be used with this tool.
- 10. This tool operates at 10,000 psi hydraulic pressure and develops approx. 16,000 lbs. force. Treat and use it with care and respect.

The Timesavers

GREENLEE TOOL COMPANY

a division of

Ex-Cell-O

A D UT 4455 Boeing Drive, Rockford, IL 61109 U.S.A.

The Slug-Buster punches may not split the slug when used with thin adapter because of the small

GA. Mild Steel

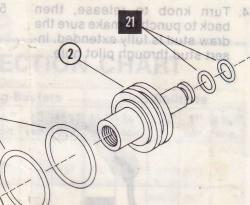
PARTS LIST A087 PARTS LIST A08

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	503 2457.8	Cylinder	WII.
2	503 2456.0	Piston	The transfer of the second of the second
3	503 2468.3	Return Spring	PERSONAL CATACONS CHICAGO
4	503 2465.9	Pump Block	
5	503 2463.2	Plunger	THE RESERVE TO SERVE ASSESSMENT
6	503 2461.6	Intake Seat and Valve Screen	THE RESIDENCE OF THE PARTY OF T
7	503 2458.6	Pump Lever	
8	503 2464.0	Lever Pin	1
9	503 2467.5	Valve Screw	2
10	503 2471.3	Pump Handle and Cap	
11	503 2470.5	Reservoir	
12	503 2469.1	Reservoir Cap	
dragnstud tightly		Lever Grip of a letge be bend	Layout rand drift pilot hore.
Placettie on draw	503 1878.0	Punch Release Decal	Using Greenlee 736 Unibit®
15	503 2480.2	Release Valve	drill a 11/2" hole. Refer to
16	905 3466.2	7mm O-ring	capacit charts for punch and
17	905 3465.4	3 x 10mm Roll Pin	deam at a coloction
18		Piston Packing	draw stgd selection.
19	905 0678.2	3/16" Dia. Steel Ball	1
20 .		Piston Rod Packing	3
21	SING-DREEL ST	Plunger and Piston	
		Extension Packing	Commercial of the
22	905 3467.0	25mm O-ring Retainer	2
23	503 2462.4	Seat Washer	
24	905 3463.8	E-type Retaining Ring	
25	503 2466.7	Check Spring	4
	503 2536.1	Caution Decal (Not Shown)	2
		Tallet Booki (Not Onowil)	1

r and punch ays install are fully engaged in punch or clarks toward adaptar.

WARD ONA YIJOAPAO

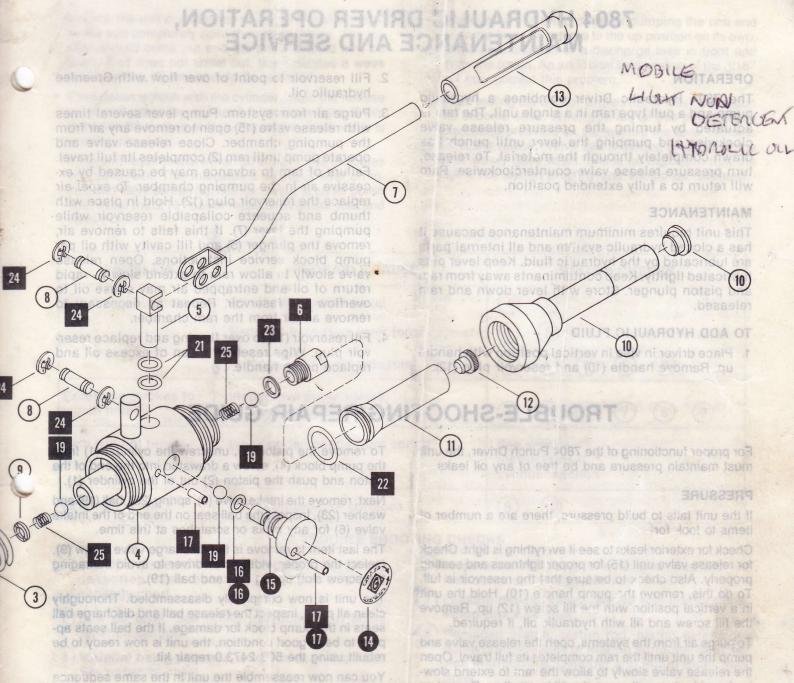
5. Thread on adapter and punch until tight. Always install punch with the points toward the sheet metal.



20

8. Release by turning Co. Remove punch and die.

Pump driver levs until the punch is completely through material. Caution: Driver will nonger be supported by



by A recid return will cause the fill to overflow. REPAIR KITS worklow the pump handle off A recident to remove all an income to remove all an income

503 2472.1

voir to overflow, replace the reserve, plug and Release Valve Unit Repair Kit includes items keyed and amus alband amus and ollus byd Ideil diw in black circles; 14, 15, 16, and (1)17. delv en edeal on it exect to sped one may

ssembling the block, lightly reseat the three

503 2473.0 Hydraulic Repair Kit includes items keyed in Ir evomen or ob of Alluder bas be gringmug edt mott sie yn black squares; 6, 16 thru 25 seat edt mott fio edt nietb bas (St) werde litt edt evomen Close the release valve and pump the lever until the ram

DRAW STUDS AND ACCESSORIES wolfnevo lihw lio artt bris.

PART NO.	DESCRIPTION	oins (8) and remove the pins from the unit. Socion the release valve unit (15) in closed position and
503 1873.0 502 9451.2	3/8" Draw Stud	place a small screly driver between the pump block (4) and the pin (17) that is on the release valve unit (15). Apply
503 1872.1	3/4" Draw Stud	pressure against the pin using the block as a fulcrum
503 1874.8 500 3248.8	Adapter (adapts punche Spacer (1924AA)	es for 3/4" studs to 7/16" studs) in III/1 (T) nig ent inicc