

plumBOSS Australia

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(PO Box 793)

Bulimba QLD 4171

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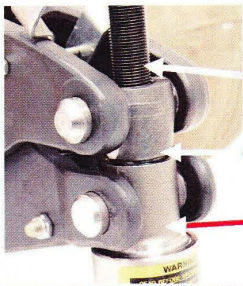
Email: info@plumboss.com.au

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3890 Hydraulic Pipe Cutter Operation and Maintenance

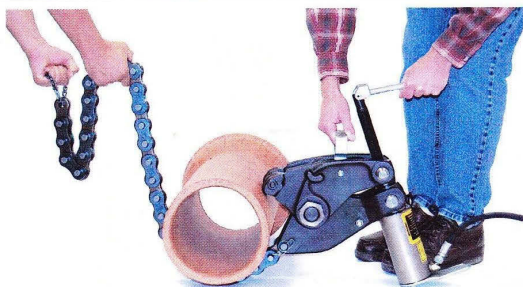


1. Turn adjusting screw until outer collar is at it's **lowest** limit of travel. Do this for EACH cut.

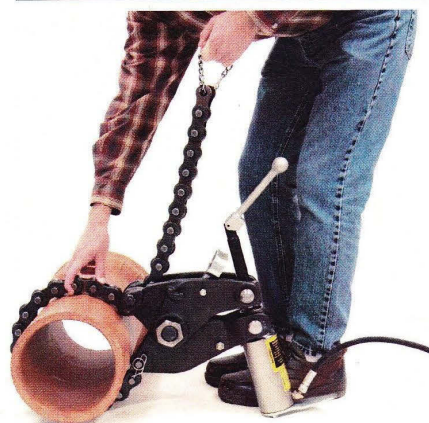
Adjusting Screw

Upper Trunnion

Lower Trunnion



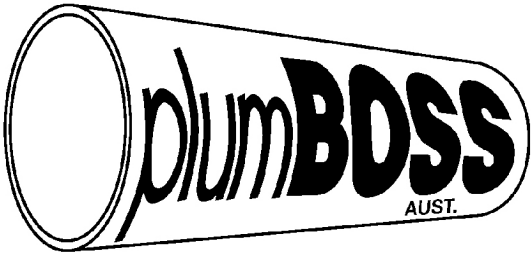
2. Slide chain under pipe at location of cut.



3. Using hand ring, pull chain over pipe and under tie bolt, then up between jaws as tightly as possible. Allow chain to relax so nearest pin is engaged in slots under upper nose jaw. Chain then can be folded over on itself.

Be sure pins are actually seated in their respective slots before applying any pressure.

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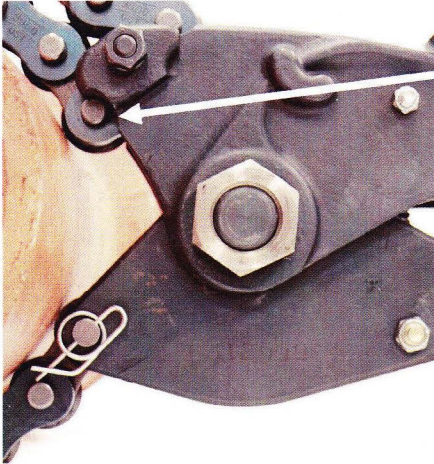
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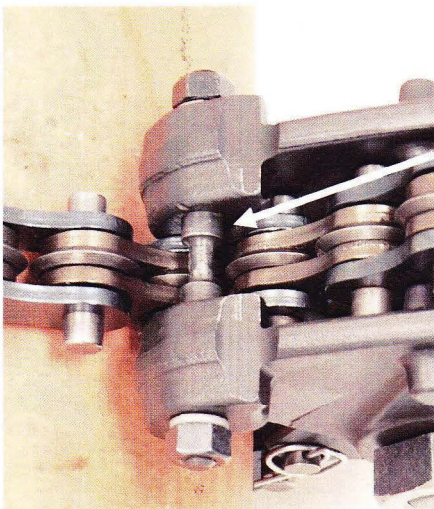
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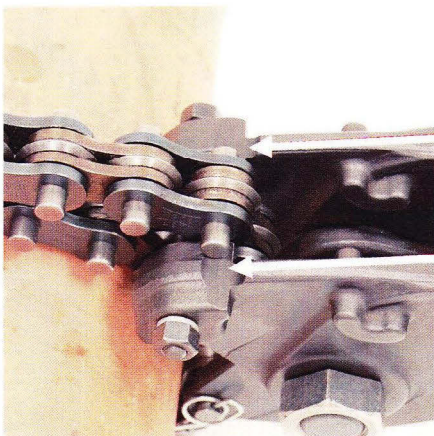
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4. Front pin location (Nose Jaw)

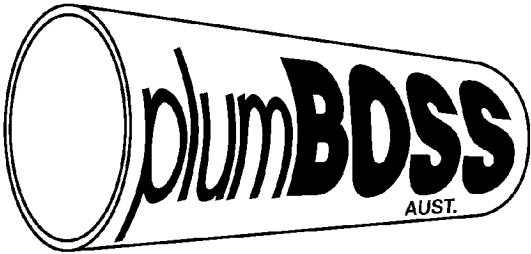


5. Tie Bolt



5. Rear pin location (Back side of Jaw)

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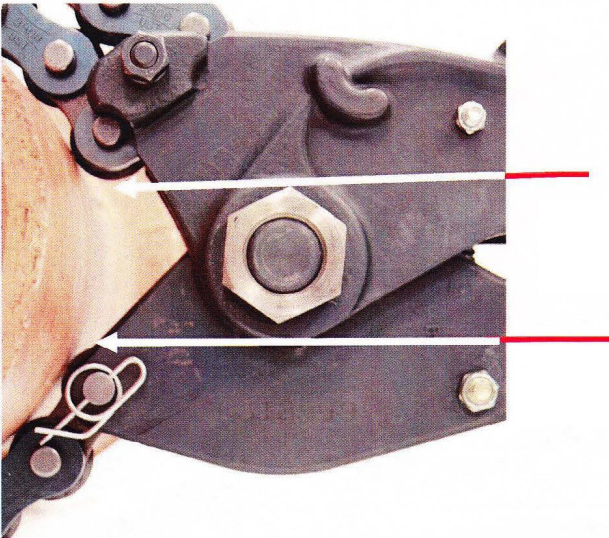
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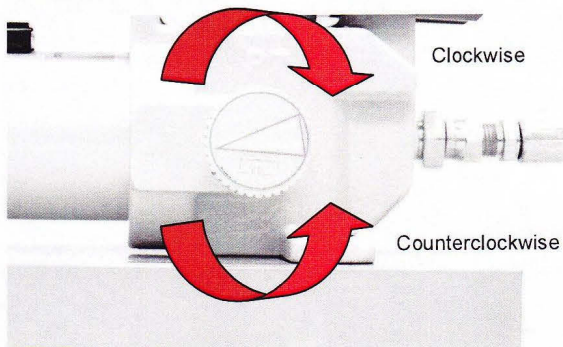
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6. Take up remaining slack with adjusting screw.

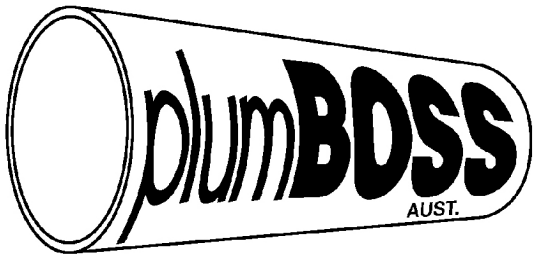


7. Cutter wheels should touch pipe.



8. Turn valve clockwise on the pump until it is **HAND TIGHT. DO NOT USE A WRENCH.** Make strokes necessary to snap pipe. Turn knob counterclockwise to release valve after cut to retract piston.

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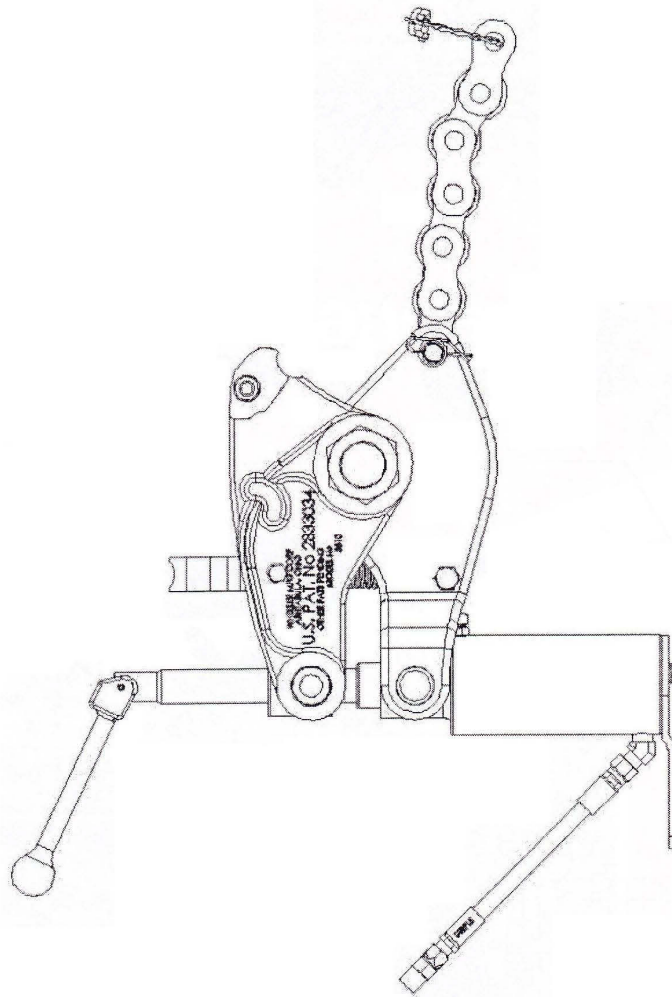
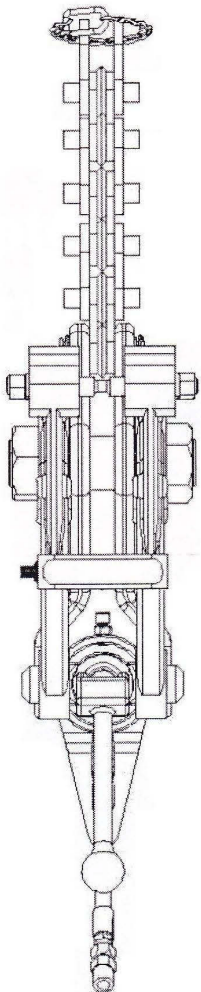
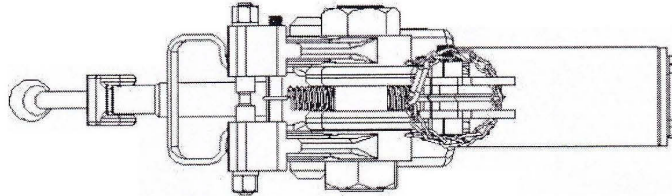
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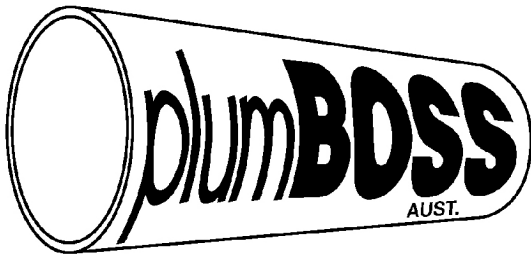
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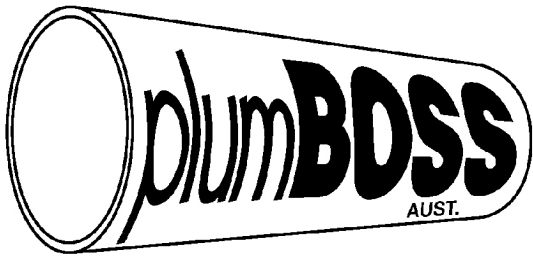
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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	5532	CYLINDER	1
2	220728	PISTON	1
3	3841	UPPER TRUNION	1
4	3842	LOWER TRUNION	1
5	275770	SEAL	1
6	275771	BACKUP RING	1
7	275772	BEARING RING	1
8	3810	3810	2
9	3820	JAW, LOWER RIGHT	1
10	3821	JAW, LOWER LEFT	1
11	3884	JAW SPACER	1
12	3848	PISTON ROD	1
13	3855	HANDLE (MACHINING)	1
14	275862	3/16" DIA x 1 1/2" ROLL PIN	1
15	3908	HAIR PIN CLIP	2
16	3915	HOSE	1
17	275542	ADAPTER, PH3103-6-6	1
18	275557	ADAPTER HY-TEK 1404-6-4	1
19	3892	JAW PIVOT	1
20	3893	JAW PIVOT NUT 1 1/2"-12	2
21	3895	3/8"-16 x 4 1/2" HHCS	1
22	105	3/8"-16 ESNA NUT	1
23	126	5/16"-18 Hex Nut	1
24	3537	5/16"-18 x 3/4" SHCS	1
25	3828	1/2"-13 ESNA NUT	1
26	3839	UPPER TIE ROD STUD	1
27	3866	1/2"-13 HEX NUT	2
28	3827	1/2"-13 x 2 3/4" HHCS	1
29	5507	3/8"-16 x 3/4" HHCS	2
30	3879	1/2" SPLIT LOCK WASHER	2
31	7179	3/8" SPLIT LOCK WASHER	2
32	3883	RING-PISTON WIPER	1
33	5508	KICK PLATE	1
34	3851	HANDLE	1
35	3878	RETURN SPRING	1
36	SEE CHART	CHAIN	1
37	5408	CHAIN HANDLE	1
38	5418	COLD SHUT	1

CHAIN CHART	
PART NO.	PIPE SIZE
3824	12"
382415	15"
382418	18"
382424	24"

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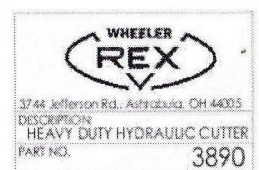
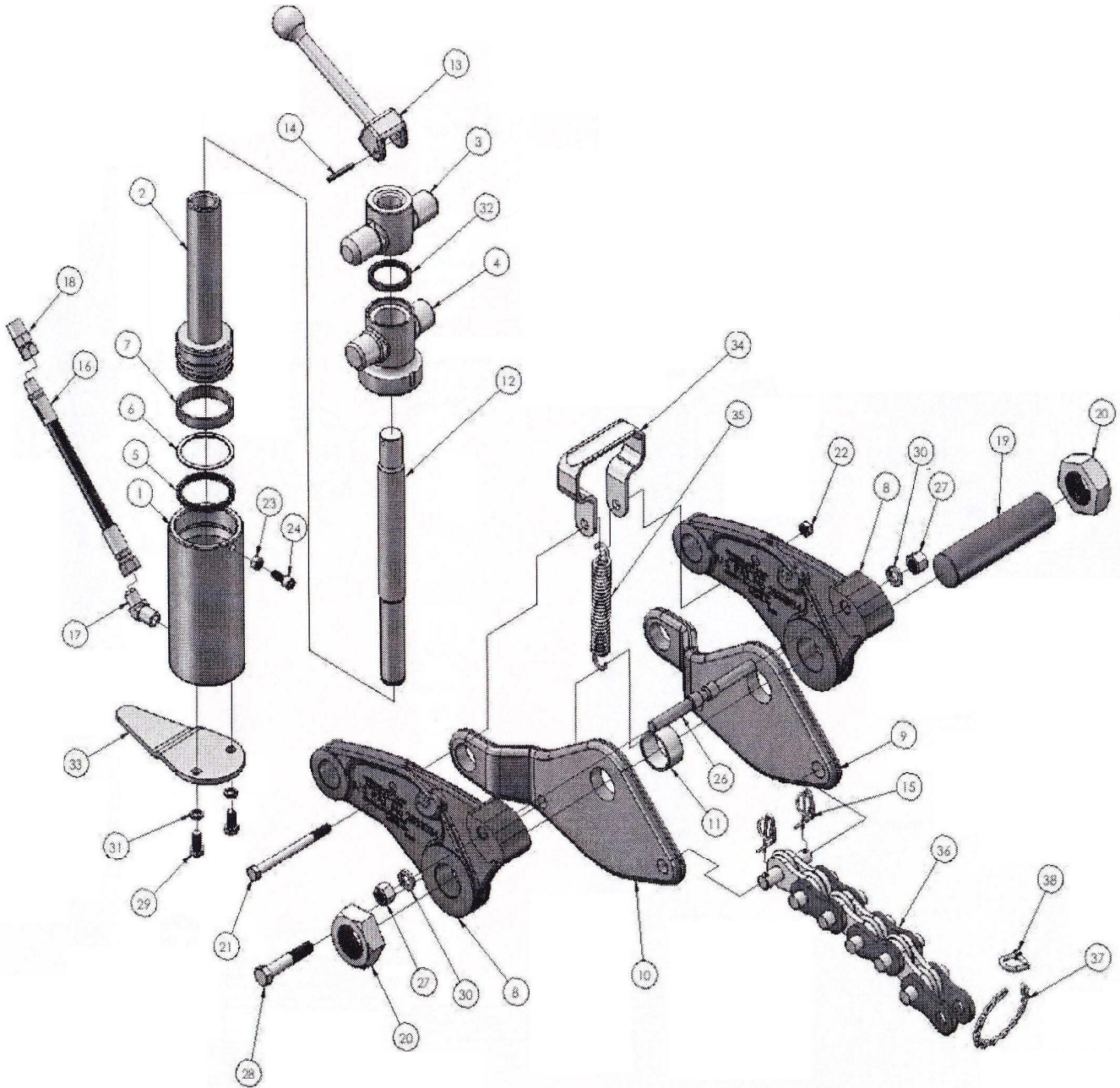
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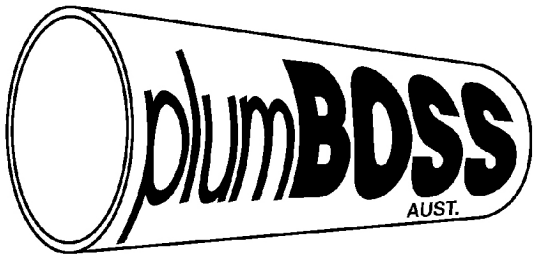
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Hydraulic Hand Pump

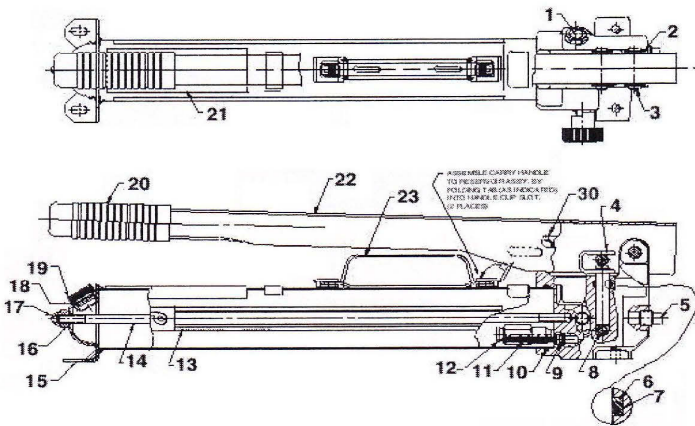
Wheeler-Rex Pump Model Numbers:

Model 1930 for 5590 10,000psi

Model 1830 for 3890 5,700psi

Model 1630 for 2990 9,000psi

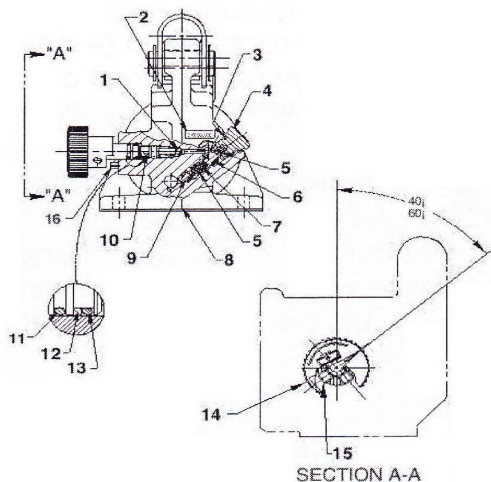
HYDRAULIC HAND PUMP



Hydraulic Hand Pump PFF-WMC

Item	Description	Wheeler #	Spx #	Qty
1	Decal	276182	215907	1
2	Retaining Ring	275795	211743	4
3	Pin	275583	211742	2
4	Piston Assembly	220843	211468	1
5	Pressure Plug	277074	11127	1
*6	Backup Washer	276154	213987	1
*7	O-Ring viton	276155	11445	1
8	Steel Ball	276157	10378	1
*9	O-Ring viton	276171	18973	1
*10	O-Ring viton	276174	213209	1
11	Filter Plug	276172	215075	1
12	Relief Valve (Red)	1857	21278-52	1
	Relief Valve (Blue)	1657	21278-86	1
	Relief Valve (Black)	1957	21278-80	1
14	Tie Rod	276178	252502	1
15	Reservoir Assembly	276176	351367	1
*16	Viton O-Ring	277075	11439	1
17	Acorn Nut	277076	10842	1
18	Viton O-Ring	277077	253597	1
19	Filler Cap	277078	351245	1
20	Handle Grip	580	580	1
22	Handle (Blue)	276149	64117BL2	1
	Handle (Red)	276151	64117RE3	1
	Handle (Black)	276150	64117BK2	1
23	Carry Handle		58048	1
25	Hydraulic Hose	3915		1

END VIEW AND SECTION A-A

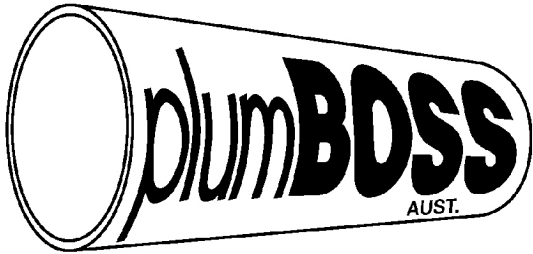


End View Parts

Item	Description	Wheeler #	Spx #	Qty
1	Ball	203197	12223	1
2	Decal	N/A		1
3	Copper Washer	276162	14874	1
4	Valve Screw	277079	351952	1
5	Compression Spring	276163	10444	2
6	Steel Ball	276157	10378	1
7	Compression Spring	276165	211797	1
8	Pump Body	276167	61295	1
9	Steel Ball	276166	10375	1
10	Release Valve Screw	275585	350185	1
11	O-Ring		14763	1
*12	Backup Washer	276161	15085	1
*13	Viton O-Ring	276160	18974	1
14	Release Valve Knob	277080	351087	1
15	Set Screw	276165	10556	1 or 2
16	Slotted Spring Screw	277081	10714	1

* Included in 1856 Repair Kit

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Hydraulic Pipe Cutters

- When cutting in a line, remove excess mud, scale and rust from surface of pipe where chain wheels will make contact. This will allow wheels to contact solid pipe for maximum penetration. An excellent tool for this is the Wheeler-Rex Pipe Scraper Model 1300 or Model 1350.
- Keep the upper jaw tie bolt tightened at all times! Operation of the cutter with this bolt loose can result in serious damage.
- Do not use brake fluid in the hydraulic system under any circumstance! It will irreparably damage the packings.
- The pump oil tank should be kept at least 3/4 full.
- Repairs to the hydraulic system should be made only by qualified personnel in accordance with factory specifications.
- Transportation charges must be prepaid on all units sent to service stations or to the factory for repair. If factory defect is disclosed, the repaired unit will be returned to you prepaid.
- Manufacturers liability and warranties are voided if anything other than factory authorized parts are used.
- We suggest once you have established which chain pin must be engaged for a specific pipe size, that you clearly mark this pin for easy recognition (a dab of paint will work). This will facilitate quick, sure, efficient operation for all cuts of the same pipe size.
- We recommend pumping the piston all the way to the top of its stroke after each use. This will lubricate the cylinder and remove any water that has entered the cylinder. This is especially after the unit has been in used water or under extremely dirty conditions. Release pressure so that the piston returns to a completely closed position. If necessary, apply hand pressure to return the piston back to its closed position.

CAUTION !!!

Avoid standing close to either end of the pipe!

The great amount of pressure exerted by the cutter may cause the cut sections to pop-off in opposite directions!

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