



**Model 7991T
6"-8" Steel Pipe Squeezer
Sch. 40 & Sch. 80**

**Maintenance and Service
Manual**

Model 7991T 6"-8" Pipe Squeezer

1.0 Introduction

This manual is issued as a basic operation manual covering the Regent Model 7991T, Pipe Squeezer and Pump as manufactured by Regent Tools, Inc. Houston, TX. USA

2.0 Specifications

Working Load	150 tons
Pipe Size Capacity	6 and 8 in
Working Pressure	4715 PSI
Net Weight	900 lbs.
Cylinder Volume	600 cubic in.
Dimensions	37" x 56"

3.0 Features

Regent Model 7991T Flow Stop Pipe Squeezer is used for gas, oil and water line repairs and maintenance.

Model 7991T will give flow control on steel pipe, sizes 6 and 8 inch. Hard Chrome plated cylinder for a smooth sealing surface and to resist wear and corrosion.

"O" Ring packing and Teflon backup ring for long life and ease of repair.

Phosphate coated ram to resist corrosion.

Spring return on the ram.

Equipped with a mechanical lock-nut to insure complete pipe closure in case of any hydraulic leakage over an extended period of time.

Engineered to provide optimum operation and maintenance qualities.

Designed to withstand typical field usage in a sturdy design.

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4.0 Service

To service Ram Packing ("O" ring) item 17, or (backup ring) item 16 see below:

The six retaining rings (item 28), pins (item 8), screw (item 19) and top weldment (item 5).

Disconnect springs (item 15) and remove locknut (item 4)

Remove Bushing (item 3)

Extract ram (item 2) using care not to score the cylinder wall.

Replace packing ("o" ring) item 17, or (backup ring) item 16. Lubricate packing ('o" ring) and / or backup ring prior to installation. Replace backup ring by expanding over bottom of the ram so that the grain side (smooth side will come in contact with the packing "o" ring. The backup ring is installed above the packing ('o" ring) as shown.

Reassemble in reverse order.

SAE 30 Hydraulic fluid is acceptable. The tool takes approximately 2.6 gallons to pre fill the cylinder.

Inspect Pump Operation and all Hose assembly and connections, and replace damaged parts and hoses. All pumps use SAE 30 Hydraulic fluid. Inspect pressure gauge. Contact Regent Tools for Service Parts.

Inspect the tool for bent, missing or damaged hardware, Pins, Steel guide bars & Jaws. Replace parts as required. Non-Centered pipe squeezing or an unsupported tool can cause eccentric loads being applied to the jaw and tool. This off centered loading can lead to Jaw, Pin or fastener failure. Operation of the tool should be confirmed and corrected prior to use.

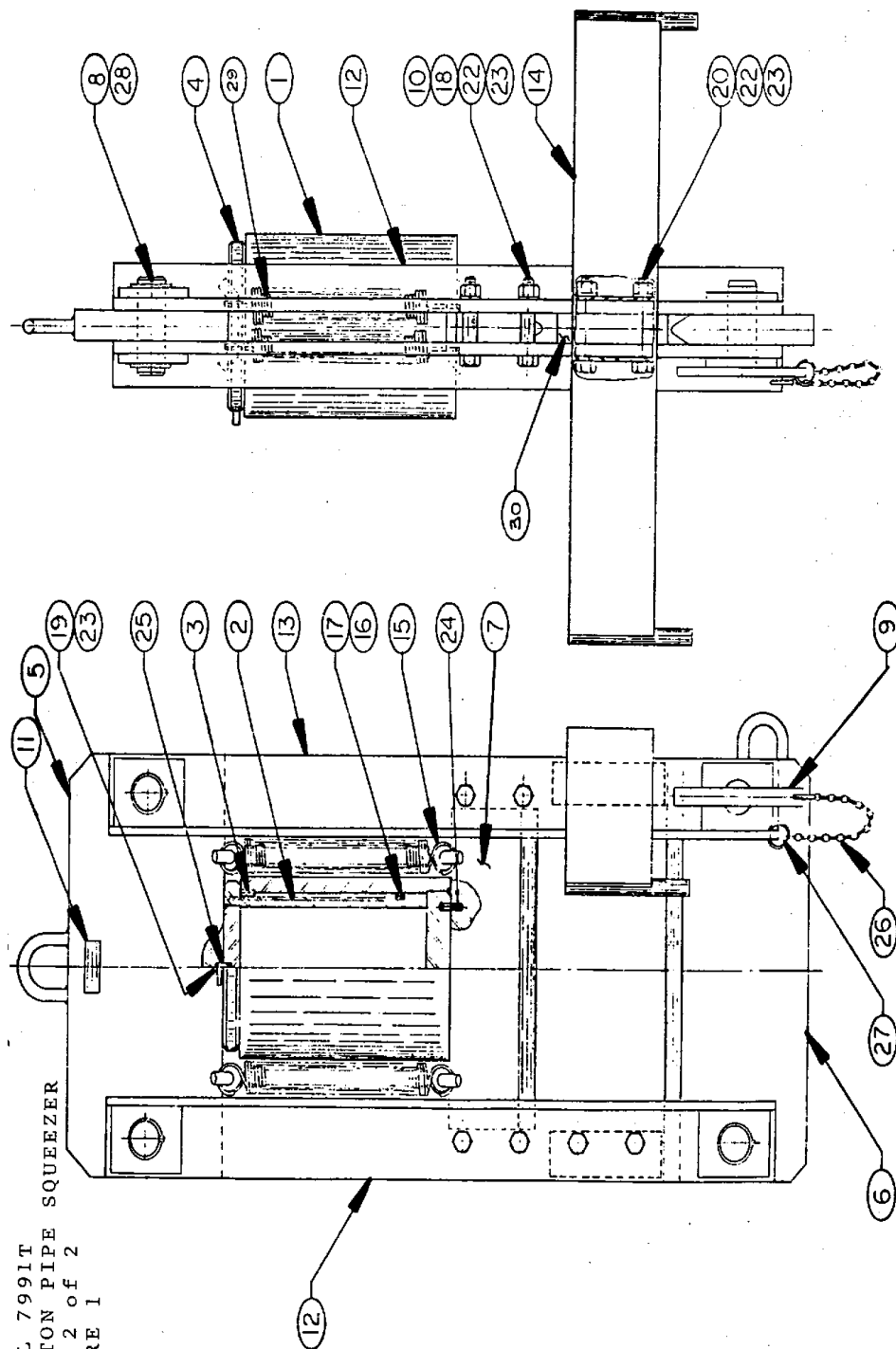
Model 7991T **6"-8" Pipe Squeezer**

5.0 Regent Parts Listing

FIG. & ITEM NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY
1-	7991T	150 Ton Pipe Squeezer	Ref.
-1	7991-1	Cylinder	1
-2	7991-2	Ram	1
-3	7991-3	Bushing	1
-4	7991-4	Locknut	1
-5	7991-5	Top Weldment	1
-6	7991-6	Lower Jaw	1
-7	7991-7	Upper Jaw	1
-8	7991-8	Pin	3
-9	7991-9	Removable Pin	1
-10	7991-10	Spacer	4
-11	915-176	Nameplate	1
-12	7991-12-1	Tension Bar	2
-13	7991-12-2	Tension Bar	2
-14	7991-13	Guide Bar	1
-15	916-186-40	Spring	4
-16	916-44-8.461	Backup Ring	1
-17	MS28775-445	O-Ring	1
-18	.5-13 x 4.0 Lg	Hex Head Capscrew	6
-19	.5-13 x 1.25 Lg	Hex Head Capscrew	1
-20	.5-13 x 4.5 Lg	Hex Head Capscrew	2
-21			
-22	.5-13	Hex Nut	8
-23	.5 ID	Lockwasher	9
-24	.5 Dia x 1.5 Lg	Roll Pin	2
-25	.5 Dia x 1.0 Lg	Roll Pin	1
-26	1/0 x 18 Long	Chain	1
-27	1.5 Dia	Key Ring	2
-28	5100-200ZD	Retaining Ring (Truarc)	6
-29	916-186-45	Spring	4
-30	7991-14	Spacer	2

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6.0 Drawing



MODEL 7991T
150 TON PIPE SQUEEZER
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FIGURE 1