



Model 5045T
3/4" – 2" Steel Pipe Squeezer
Sch. 40 & Sch. 80

Maintenance & Service
Manual

Model 5045T

$\frac{3}{4}$ " – 2" Pipe Squeezer

1.0 Introduction

This manual is issued as a basic service & maintenance manual covering the Regent Model 5045T, Pipe Squeezer manufactured by Regent Tools, Inc. Houston, TX. USA.

2.0 Specifications

Working Load	38 Tons
Max Working Pressure	10000 PSI
Net Weight	45 Lbs.
Dimensions	7 $\frac{1}{2}$ " x 20 $\frac{1}{2}$ "

3.0 Features

The Regent model 5045T Flow Stop Pipe Squeezer is used for Gas, Oil & Water lines emergency repairs and maintenance.

The Model 5045T will give flow control on steel pipe sizes from $\frac{3}{4}$ " through 2" schedule 40 & 80 steel pipe and up through 2 $\frac{1}{2}$ " Copper pipe. Grounding Strap may be attached to the tool as required by company policy.

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4.0 Service

To Service Ram "O" Ring (23) and or Backup Ring (24) Figure 1.

Remove the six retaining rings (37), top tension pins (11), screw (29) and Top plate (5)

Remove Safety Nut (2)

Remove Snap ring (18) by inserting a 1/8" rod into the hold provided in the cylinder

Remove bushing (8)

Extract ram (4) using care not to score the cylinder wall

Replace "O" Ring and or backup ring with 5045T Seal Kit as mfg by Regent Tools. Lubricate with STP prior to installation. Replace backup ring by expanding over the bottom of the ram so that the grain side (smooth side) will come in contact with "O" Ring. (It may require a little heat to expand the seal for easy of installation.

Reassemble in reverse order.

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.

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Figure 1

FIG. & ITEM NO.	PART NUMBER	DESCRIPTION	UNITS PER ASS'Y
1-	5045T-B		Ref.
-1	915-176	Nameplate	1
-2	5045T-2	Safety Nut	1
-3	5045R-31	Cylinder	1
-4	5045R-32	Ram	1
-5	5045R-34	Top Plate	1
-6	5045R-35	Upper Jaw	1
-7	5045R-36	Spacer	4
-8	5045R-38	Cylinder Bushing	1
-9	5045R-39	Pin	1
-10	5045R-40	Tension Bar	4
-11	5045R-42	Tension Bar Pin	3
-13	5484-1A	Lower Jaw	1
-14	5484-1B	Jaw Insert	1
-15	5486-1	Guide Bar	2
-18	915-150.12-3.40	Snap Ring	1
-19	916-186-5	Tension Spring	2
-20	916-186-6	Tension Spring	2
-21	916-202	Decal	1
-22	915-DZ	Female Coupler	1
-23	MS28775-335	"O" Ring	1
-24	MS35803-335	Backup Ring	1
-25	#6 x 3/8 LG	Drivescrew, (Stl Cad Pl)	1
-26	1/0 x 8 LG	Chain, Safety (Plumber's)	1
-27	3/8-16UNC x 3.00 LG	Capscrew, Hx Hd (Stl Cad Pl)	2
-28	3/8-16UNC x 3 1/4 LG	Capscrew, Hx Hd (Stl Cad Pl)	2
-29	1/4-20UNC x 5/8 LG	Capscrew, Skt Hd (Stl Cad Pl)	1
-30	3/8-16UNC	Hex Nut Self Lkg (Stl Cad Pl)	4
-31	1/4 DIA x 3/4 LG	Roll Pin (Stl Cad Pl)	2
-32	1/4 DIA x 2 1/4 LG	Roll Pin (Stl Cad Pl)	2
-33	#2(.098) x 1/8 LG	Drivescrew (Stl Cad Pl)	2
-34	1/4-20UNC x 1/2 LG	Thumb Screw (Stl Cad Pl)	1
-36	3/8 CD-S	Street Elbow 3/8 NPT (Stl Cad Pl)	1
-37	5100-62ZD	Retaining Ring (5/8 Dia Shaft Stl Cad Pl) ...	6
-38	1 1/2 DIA	Key Ring (Stl Nickel Pl)	1

NOTE: Unlisted Item Numbers Are Not Used.

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Drawing 5045T

