

TEXAS PNEUMATIC TOOLS, INC.

Service, Operation AND Parts Manual

TX-00 SAND RAMMER



Suggested Hose Whip Assembly: TX-2HW

TOOL
SPECIFICATIONS

PART #	WEIGHT	LENGTH	AIR CONSUMPTION	BORE	STROKE	BPM	TAPER	INLET	MINIMUM HOSE SIZE
TX-00	3.85 lbs. 1.75 kg	12" 305 mm	12 CFM 340 L/min	.7" 18 mm	2" 51 mm	1600	401	3/8" NPT	1/2" 13 mm

~ Made in U.S.A. ~

www.airtools.com

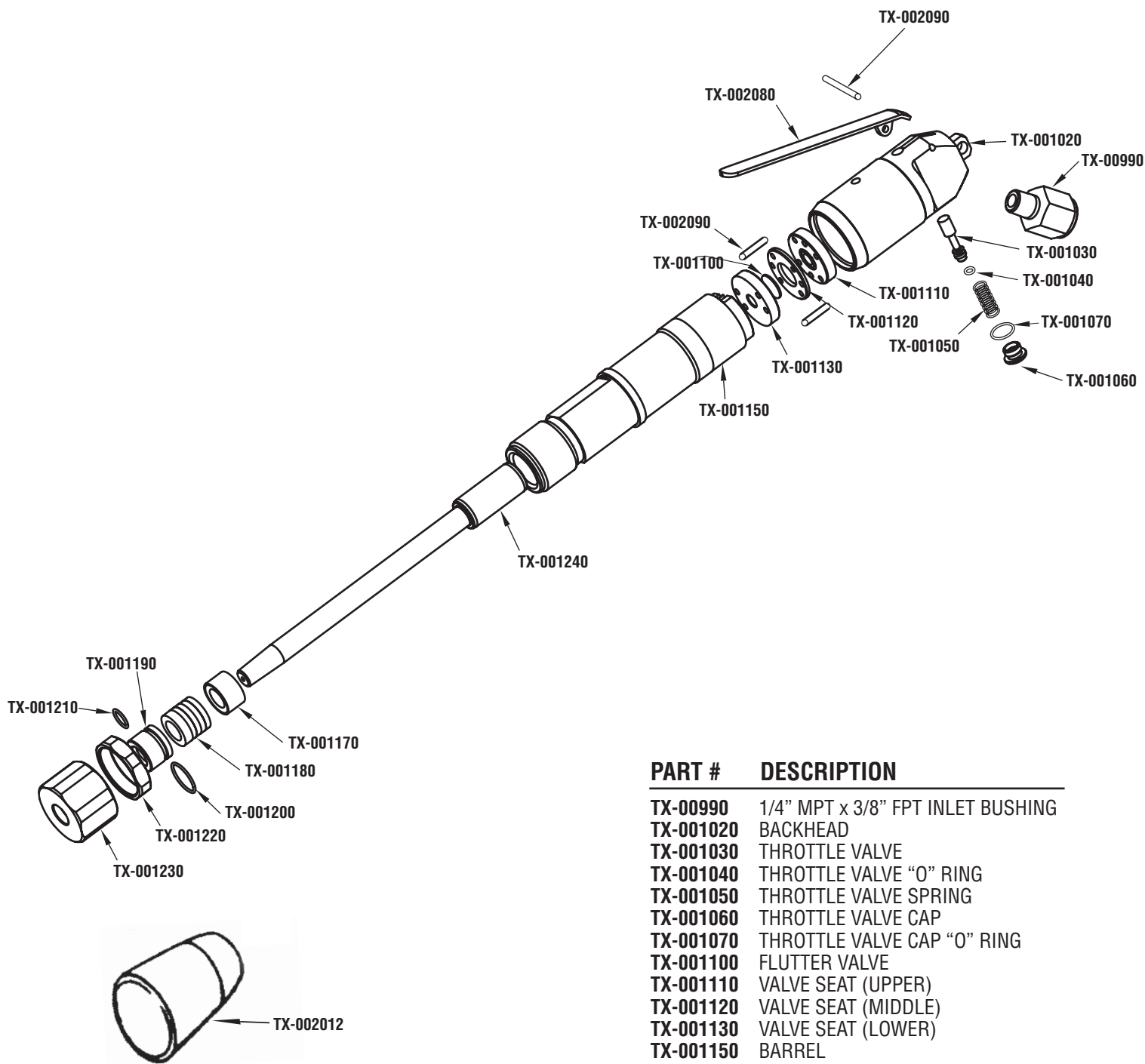
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254-587-2533 (Int'l calls)

NEVADA
1-800-858-1222

VIRGINIA
1-800-626-1091

MICHIGAN
1-877-575-5733



PART #	DESCRIPTION
TX-00990	1/4" MPT x 3/8" FPT INLET BUSHING
TX-001020	BACKHEAD
TX-001030	THROTTLE VALVE
TX-001040	THROTTLE VALVE "O" RING
TX-001050	THROTTLE VALVE SPRING
TX-001060	THROTTLE VALVE CAP
TX-001070	THROTTLE VALVE CAP "O" RING
TX-001100	FLUTTER VALVE
TX-001110	VALVE SEAT (UPPER)
TX-001120	VALVE SEAT (MIDDLE)
TX-001130	VALVE SEAT (LOWER)
TX-001150	BARREL
TX-001170	INNER BUSHING
TX-001180	PACKING ASSEMBLY (5 PCS)
TX-001190	OUTER BUSHING
TX-001200	OUTER BUSHING O.D. "O" RING
TX-001210	OUTER BUSHING I.D. "O" RING
TX-001220	JAM NUT
TX-001230	GLAND NUT
TX-001240	PISTON
TX-002012	1-5/8" ALL RUBBER BUTT
TX-002080	THROTTLE LEVER
TX-002090	SPRING PIN

Service AND Operations

Instructions for TX-00 Sand Rammer

AIR SUPPLY

For efficient performance, a regulated supply of clean, dry air is required (90 psi at the tool). Most air tools will give superior service if the air is moisture free and lubricated, plus down time will be minimized. If the compressor is pumping excessive water, a cooler or moisture separator (TX-MSS-400 or TX-MSS-800) should be attached to the compressor or air line. A filter, pressure regulator and Texas Pneumatic in-line lubricator (TX-0L) should be part of the air line system to the tool. The air supply line should be a minimum 1/2" I.D, hose with no restrictive couplings or fittings in the hose line. If quick disconnect air couplings are used, they should definitely be separated from the tool by the use of a hose whip (TX-2HW).

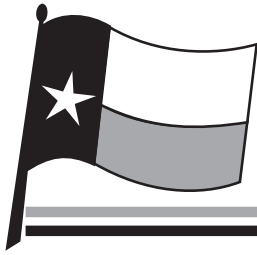
LUBRICATION

An in-line lubricator such as the Texas Pneumatic TX-0L is recommended. If an automatic lubricator is not used, it is recommended before using and after 2-3 hours use, to pour several drops of oil into the air inlet port. Texas Pneumatic Lubricating Oil (TX-PL001) or 5 wt. oil of good grade is recommended. A heavy oil will cause loss of power and efficiency. In the matter of preventative maintenance, Texas Pneumatic Tool Flush (TX-TF001) or similar solvent can be used to flush the tool. Add a couple of teaspoons to the air inlet port and operate the tool for a few seconds. It may be necessary to do this several times. The above should be done anytime the tool becomes sluggish or erratic or stops working. Flushing of the tool will most likely remove any foreign particles. After flushing and always before storage (this is most important if the air line has excessive moisture), the tool should be re-lubricated to prevent rust which will cause the tool to malfunction.

PREPARING FOR OPERATION

Disconnect the air line prior to any maintenance or repairs to the tool.

The TX-00 Rammer is a quality tool manufactured to close tolerances and care should be given to its maintenance, disassembly, and reassembly. The tightness of the Packing has been set at the factory, and the rammer is ready for use. The tightness of the Packing should be checked periodically thereafter. You can check this by pushing the Piston in and out by hand. A slight drag should be felt when the Piston is moved in and out. If the drag is too great, the Gland Nut (TX-001230) should be backed off. If there is not enough drag to maintain compression and power, then the Gland Nut should be advanced. Tighten the Jam Nut (TX-001220) against the Gland Nut when finished. For disassembly of the tool, you can remove the Butt (TX-002012) from the end of the Piston (TX-001240) by placing an open end wrench on top of the small end of the Butt and around the Piston. Strike the wrench with a couple of hammer blows, and the Butt should fall off. The Butt is held only by the taper of the Piston. Next, unscrew the Gland Nut (TX-001230) from the tool, pull the Piston out of the Barrel (TX-001150) bringing with it the Inner (TX-001170) and Outer (TX-001190) Bushings and Packing (TX-001180). Replace the Packing and the two "O" Rings (TX-001210 and TX-001200) on the Outer Bushing. To clean or replace any valve parts, remove Backhead (TX-001020). Make sure the Upper (TX-001110), Middle (TX-001120) and Lower (TX-001130) Valve Seats are properly aligned when reinstalling and the Flutter Valve (TX-001100) doesn't get pinched between the Bottom and Middle Valve Seats. The Throttle Valve Cap (TX-001060) should be removed to clean the Throttle Valve (TX-001030). The Spring (TX-001050) and "O" Ring (TX-001040) on the Throttle Valve should be carefully inspected and should be replaced periodically. Assembly of the tool is in the reverse order. Light lubrication should be applied to all parts on reassembly. ***LAST, BUT MOST IMPORTANT, APPROVED SAFETY GLASSES SHOULD BE WORN AT ALL TIMES WHEN OPERATING THIS OR ANY OTHER PERCUSSION TOOL.***



TEXAS PNEUMATIC TOOLS, INC.



TX-2HW



Butts
(Many other sizes and shapes available.)