

TEXAS PNEUMATIC TOOLS, INC.

Service, Operation AND Parts Manual

BENCH RAMMER **TX-8/2-1/2" & TX-8-4"**



Suggested Hose Whip
Assembly: TX-2HW

TOOL
SPECIFICATIONS

PART #	WEIGHT	LENGTH	AIR CONSUMPTION	BORE	STROKE	BPM	TAPER	INLET	MINIMUM HOSE SIZE
TX-8/2-1/2"	7 lbs. 3.2 kg	16.25" 413 mm	15 CFM 425 L/min	1" 25 mm	2.5" 64 mm	1725	802	1/2" NPT	1/2" 13 mm
TX-8-4"	10 lbs. 4.5 kg	21.0" 533 mm	15 CFM 425 L/min	1" 25 mm	4" 102 mm	1240	802	1/2" NPT	1/2" 13 mm

~ Made in U.S.A. ~

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Service and Operations

Instructions for TX-8 Bench Rammers

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).

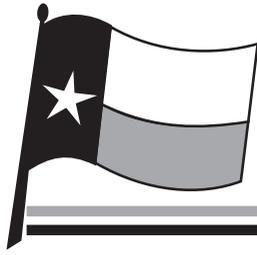
LUBRICATION

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-8 Bench Rammers are quality tools manufactured to close tolerances and care should be given to their maintenance, disassembly, and reassembly. The tightness of the packing has been set at the factory, and each rammer is ready for use. The tightness of the Packing (TX-00178) should be checked from time to time thereafter. You can check this by pushing the Piston (TX-00180 or TX-00181) 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 Packing Nut (TX-00175) should be backed off. If there is not enough drag to maintain compression and power, then the Packing Nut should be advanced. You have to remove the Packing Nut Lock Clip (TX-00204) from the slot in the Packing Nut to make the adjustment. For disassembly of the tool, you can remove the Butt from the end of the Piston 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. Most Butts are held only by the taper of the Piston. Some Butts use a Butt Screw (TX-00203) to retain the Butt on the Piston. Remove the Butt Screw and use the above procedure to remove the Butt from the Piston. Lift the Packing Nut Lock Clip (TX-00204) so the Packing Nut (TX-00175) can be unscrewed. Next, pull the Piston out of the Cylinder (TX-00182 or TX-00183) bringing with it the Packing Gland Bushing (TX-00177 or TX-00205), Packing (TX-00178), and Packing Gland Washer (TX-00179). The Front Rod Seal (TX-00176) can be pulled from the Packing Gland Bushing once it has been taken off the Piston. To clean or replace any valve parts, remove Backhead (TX-00189). The flats of the barrel can be placed in a vice so the Backhead can be unscrewed. The Screen (TX-00188) should be thoroughly cleaned. If the Valve (TX-00185) is worn badly, it should be replaced. The Throttle Valve Spring Plug (TX-00198) should be removed to inspect, clean or replace the Throttle Valve (TX-00194), Throttle Valve Spring (TX-00197) or Throttle Valve "O" Rings (TX-00195U or TX-00195L). The Throttle Valve Spring and "O" Rings should be carefully inspected and replaced periodically. Assembly of the tool is in 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.)