

User Guide

10-Ton 3-Jaw Hydraulic Gear Puller

555-80824



Table of Contents

Read Before Use.....	.01	Function.....	.03
Safety Information.....	.01	Operation.....	.04
Tool Components.....	.02	Maintenance.....	.04
Assembly.....	.03	Notes.....	.05

Read Before Use

Thank you for your purchase of the JEGS 555-80824 10-Ton 3-Jaw Hydraulic Gear Puller. Please read this user guide completely before use.

Verify all components are included before use. If any components are missing or damaged, or if you have any questions contact us at 1.800.345.4545

Return Information: *Once any components of this hydraulic gear puller has been modified, it will not be accepted for return.*

Safety Information

- Wear ANSI-approved safety goggles during use.
- Use as intended only.
- Inspect before use; do not use if parts loose or damaged.
- The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator

WARNING

Read all of the safety warnings and instructions prior to use.

Failure to follow the warnings and instructions may result in serious injury.

Save all warnings and instructions for future reference

This gear puller will deliver up to 5 tons (10,000 lb.) of pulling force.

DO NOT use this tool on any work piece which cannot withstand this amount of pressure.

Tool Components



PART #	PART	QTY		PART #	PART	QTY
1	Pump	1		7	Nuts	6
2	Pump Handle Socket	1		8	Bolts	6
3	Handle	1		9	Adjustment Threads	1
4	Puller Sleeve	1		10	Thimble	1
5	Connector Plates	6		11	Return Valve	1
6	Jaws	3				

Assembly

1. Thread the **Puller Sleeve (#4)** onto the **Adjustment Threads (#9)** about halfway up the **Pump (#1)**. *Ensure that the Puller Sleeve stays fully engaged on the Adjustment Threads at all times during use.*
2. Determine if the best grip on the part to be pulled is from the outside or the inside. The hooks on the **Jaws (#6)** face inward when gripping the part from the outside. They face outward when gripping the part from the inside.
3. The Jaws have four different settings (two holes and then flip over the Jaws for the other two settings). Each can be for both inside and outside pulling. Determine whether to use the upper or lower holes in the Jaws and which way the jaws should be turned.

CAUTION

Attach all the Jaws in the same orientation to ensure even pulling.

4. Assemble each of the three Jaws onto the **Puller Sleeve (#4)** using two **Connector Plates (#5)** and two sets of **Bolts (#8)** and **Nuts (#7)** as shown.
5. Insert the **Handle (#3)** into the **Pump Handle Socket (#2)**.
6. Assembled puller in image to right.

Function

This tool is designed to pull items such as bearings, pulleys, and chucks from shafts. The jaws can grip the object from the inside or outside, depending on the application. In action, the piston will push on the part's central shaft while the jaws pull away. This will remove the item from the shaft by pulling it straight out evenly, without hammering or binding from pulling at an angle.



Operation

1. Open **Return Valve (#11)** to fully retract Piston. Close the Return Valve by turning it clockwise until hand tight. Do not over-tighten, as this will damage the seal.
2. Place the **Jaws (#6)** around (or in) the item to be pulled. Be sure they will have a firm grip.
3. While holding the Jaws in place, rotate the **Puller Sleeve (#4)** on the **Adjustment Threads (#9)**, until the **Thimble (#10)** contacts the part.
4. Pump the **Handle (#3)** up and down to extend the piston, causing the Jaws to pull upward.
5. Continue pumping the Handle, being sure the Jaws stay in place on the object and the object is not being damaged.
6. In most cases, a certain amount of pressure will build up, and the Gear Puller will suddenly loosen and release. Support the Gear Puller to prevent it from falling.
7. When finished, open the Return Valve by turning it 1 turn counter-clockwise (do not remove), and remove the Gear Puller from the workpiece.
8. To prevent accidents, clean, then store the Gear Puller in its case, indoors out of children's reach

Maintenance

1. Before each use, inspect the general condition of the Gear Puller. Check for loose screws, binding, or misalignment of moving parts, cracked or broken parts, and any other condition which may affect its safe operation.
2. After use, clean external surfaces with clean cloth.
3. Lightly oil the threads and pivoting joints periodically to keep them operating smoothly.
4. Keep the Piston in the fully retracted position while in storage to prevent rust or damage.
5. If rust appears on any part of the tool, remove with a penetrating oil.
6. If the tool fails to perform adequately, the oil level in the system should be checked and air purged from the system, as follows:

Note: This procedure should only be performed by a qualified technician.

1. Remove the **Pump Handle Socket (#2)**.
2. Using an oil gun, pour oil slowly into the pump housing to overflowing.
3. Reassemble, and wipe excess oil from the tool.

Notes

This image shows a blank sheet of white paper with horizontal blue or grey ruling lines. A single vertical line runs down the center of the page, creating two equal-width columns. The lines are evenly spaced and extend across the entire width of the page. There is no handwriting or other markings on the paper.



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