

**PETOL™ POP-IT™
Flange Spreader & Prying Tool**

Model P95-525

 **WARNING** 

Improper use of PETOL™ POP-IT™ Flange Spreader & Prying Tools may result in INJURY or DEATH. Do Not Exceed Rated Load of 10,000 lbs. Always Chock Your Work. Never use “cheaters”. Follow operating procedures. Always follow OSHA guidelines for Process Safety Management.

PETOL™ GEARENCH

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PETOL™ POP-IT™ Flange Spreader & Prying Tool Description

The PETOL™ POP-IT™ Flange Spreader & Prying Tool takes the place of the hammer, pry-bars and wedge when working with flanges. It can also be used as an equipment lifting tool. The Model P95-525 reduces the risk of injury, is lightweight and compact and requires minimal maintenance. The tool holds its setting without drifting, has precision adjustment and can spread 5 tons to 5 ¼ inches. The Model P95-525 is unique for tight spots since it has ratcheting action and a .070 inch entrance. The Model P95-525 comes with all parts attached and external power is not needed. It's ready to use out of the box.

PETOL™ GEARENCH Limited Warranty

What Is Covered

PETOL™ GEARENCH tools are expressly warranted to you, the purchaser, to be free of defects in material and workmanship.

How Long Coverage Lasts

This express warranty lasts for the lifetime of the PETOL GEARENCH tool. Warranty coverage ends when the tool becomes unusable for reasons other than defects in workmanship or material.

How Can You Get Warranty Service

To obtain the benefit of this warranty, contact a PETOL GEARENCH sales representative in Clifton, Texas.
PETOL GEARENCH · 4450 S. Highway 6 · P.O. Box 192 · Clifton, TX 76634

What Will We Do To Correct Problems

Warranted products will be repaired or replaced, at PETOL GEARENCH's option, and returned at no charge to you, the original purchaser; or, if after three attempts at repair or replacement during the warranty period, the product defect in material or workmanship persists, you can elect to receive a full refund of your original purchase price for the product.

What Is Not Covered

Defects, failures or conditions that are due to normal wear and tear, abuse or misuse, are not covered by this limited warranty. In addition, this limited warranty is in lieu of all other warranties, express or implied, verbal or written. To the maximum extent allowed by law PETOL GEARENCH disclaims all implied warranties, including implied warranties of merchantability and/or fitness for a particular purpose. PETOL GEARENCH also specifically denies any liability for any incidental damages and/or consequential damages, including but not limited to property damage to property other than the product itself, loss of sales profits, down time, costs or any other damages measurable in money, whether or not included in the foregoing enumeration.

Please be advised that some states do not allow the exclusion or limitation of incidental or consequential damages, so this limitation or exclusion may not apply to you. This warranty gives you specific rights, and you may also have other rights, which vary from state to state, province to province, or country to country.

Are Personal Injuries Covered

In the event you, someone working for you, or any other person sustain a personal injury as a result of using the PETOL GEARENCH tool, PETOL GEARENCH limits its potential liability for such a claim or injury to the fullest extent allowed by law, and disclaims and denies any liability for such personal injury.

Please be advised that some states do not allow the exclusion or limitation of liability for personal injuries, so the above limitation or exclusion may not apply to you, or the individual claiming injury.

No Other Express Warranty Applies

This PETOL GEARENCH LIMITED WARRANTY is the sole and exclusive warranty, express or implied for PETOL GEARENCH products. No employee, agent, dealer or other person is authorized to alter, modify, expand or reduce the terms of this warranty or to make any other warranty on behalf of PETOL GEARENCH.

Law Applicable

All matters related to the sale and/or use of the PETOL GEARENCH tool that is the subject of this limited warranty, along with the construction and enforcement of the terms of this limited warranty itself, shall be subject to the substantive and procedural laws of the state of Texas, not the conflicts of laws provisions of Texas, but rather the laws of Texas themselves.

Forum Selection Clause

Any dispute arising out of the sale and/or use of the PETOL GEARENCH tool that is the subject of this limited warranty shall be presented in the form of a claim or lawsuit to the offices of PETOL GEARENCH in Clifton, Bosque County, Texas. No claim or suit may be brought against PETOL GEARENCH, arising out of the sale and/or use of the tool, or arising out of the terms of this warranty, except in such forum. Purchase and/or use of the PETOL GEARENCH tool makes you subject to the benefits and limitations of this limited warranty. Accordingly, any writ, judgment or other enforcement, obtained from a jurisdiction, county, parish, state or federal court or other country, other than from the forum identified above, shall be void and unenforceable against PETOL GEARENCH.

Arbitration Clause

In the event of dispute or claim arises out of the sale and/or use of the PETOL GEARENCH tool that is the subject of this limited warranty, or arises out of the interpretation or enforcement of the terms and conditions of this limited warranty, such dispute shall be submitted to binding arbitration pursuant to the rules of the American Arbitration Association. If required to accomplish the purpose of this Arbitration clause, the purchaser hereby expressly waives any right to demand trial by jury.

Complete Agreement

This express limited warranty contains the entire agreement regarding express or implied warranties related to the PETOL GEARENCH tool that is the subject of it. No writing or language contained in the purchase order or any other document of the purchaser, or invoice of PETOL GEARENCH or any intermediate seller, shall be construed as modifying, in any way, the rights and liabilities contained in this limited warranty. PETOL GEARENCH expressly disclaims any obligations expressed in any customer purchase order or document that are contrary to the terms and limitations of this warranty.

Severability

If any term or limitation contained in this limited warranty is deemed unenforceable by law, then the term shall be severed from the remaining portions of the limited warranty which shall remain enforceable.

All communications to PETOL GEARENCH regarding the use of the tool and any aspect of the sale of the tool of this limited warranty should be addressed to PETOL GEARENCH.

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Safe Practices and Procedures

Responsibility

It is the responsibility of the employer to train the employee in the proper selection and use of tools, and to ensure that they are selected and used in that manner. A part of the job instruction program should therefore be detailed training in the proper use of PETOL™ POP-IT™ Flange Spreader & Prying Tools.

"Employers are responsible for the safe condition of tools and equipment used by employees, including tools and equipment which may be furnished by employees." - (Source: OSHA 1910.242A)

Safety

While we pride ourselves on the quality and dependability that we build into PETOL™ GEARENCH tools and products, we caution users that it is only prudent to know and follow the simple rules of safety when using our products, or anyone else's.

Always follow safe practices and procedures in accordance with the recommendations of OSHA, The National Safety Council (NSC), The Hand Tools Institute (HTI), The International Association of Drilling Contractors (IADC), Etc. All applicable Governmental rules, regulations or restrictions, now in effect or which may be promulgated, take precedence over the suggestions in this publication. The information in this publication is designed to supplement standard safe practices and procedures, not in lieu of, or replacement thereof.

Warnings

- Always chock your work
- Never use cheaters
- Never place fingers or other body parts between flanges or under equipment
- Do not jerk on the ratchet handle. Always use a steady pulling force
- Insert toes as far as possible into work piece
- If using two tools, always operate the tools in sync with one another
- Always tether the tool to keep it from falling

Tool Inspection

Prior to each use:

- Clean serrations on toes with a wire brush
- Inspect toes for possible cracks or chipped surfaces – replace immediately if either is found.
- Verify that all bolts and screws on the tool are tight.

Every six months:

- Remove screw assembly. Remove any debris from the screw and apply a thin coat of anti-seize compound.

Operating Procedure – Flange Work

Note: In some cases it will be necessary to use two PETOL™ POP-IT™ Flange Spreader & Prying Tools to keep from pinching the blind or gasket on the opposite side of the flange, or the flange may be so large and rigid that it requires two tools. **When using two tools, it is very important to operate the tools in sync with one another while opening and closing.**

Step 1

Before every use, clean the serrations on the toes with a wire brush. Drive the toes of the tool into the flange as far as possible. This is done by striking the rectangular metal plate at the back of the tool. Keep the center toe away from bolt holes if possible. The center toe may chip if it is not fully protected when under load.

Step 2

Once the toes are in as far as possible, flip the direction switch on the ratchet to the left. With one hand located on the handle of the tool, take your other hand and begin turning the ratchet handle clockwise in a slow manner as the flange begins to spread open. **DO NOT USE A CHEATER BAR. The PETOL POP-IT Flange Spreader & Prying Tool is designed to be operated with the ratchet supplied.** Do not jerk on the ratchet handle. A steady even pull ensures smooth operation. Approximately 120 lbs of force on the end of the ratchet handle will produce 10,000 lbs of force. If this is not enough, you may need two tools to spread the flange.

Step 3

ALWAYS CHOCK YOUR WORK. Never leave the PETOL POP-IT Flange Spreader & Prying Tool in the flanges while performing maintenance. After the flange is spread to the desired amount, set a chock between the flanges. Flip the direction switch on the ratchet handle to the right. With one hand on the tool handle, turn the ratchet handle counter clockwise to close the flanges onto the chock and remove the tool.

Step 4

Perform necessary flange maintenance.

Step 5

Insert the tool beside the chock. Flip the direction switch on the ratchet back to the left. While holding the tool handle, turn the ratchet handle clockwise until the chock comes free. After removing the chock, flip the direction switch to the right. Turn the ratchet handle counter clockwise until the flange is back to parallel.

Step 6

Remove the tool from the flange. If necessary, remove the tool by tapping lightly on the side of the tool with a hammer.

Operating Procedure – Lifting Work

Step 1

Before every use, clean the serrations on the toes with a wire brush. The PETOL™ POP-IT™ Flange Spreader & Prying Tool is designed to have the toes driven into place with a hammer, yet as a lifting tool, you may find it to be unnecessary. Make sure that all toes are fully engaged under the equipment to be lifted.

Step 2

Once the toes are in as far as possible, flip the direction switch on the ratchet to the left. With one hand located on the handle of the tool, take your other hand and begin turning the ratchet handle clockwise in a slow manner as the equipment begins to lift. **DO NOT USE A CHEATER BAR. The PETOL POP-IT Flange Spreader & Prying Tool is designed to be operated with the ratchet supplied.** Do not jerk on the ratchet handle. A steady even pull insures smooth operation. Approximately 120 lbs of force on the end of the ratchet handle will produce 10,000 lbs of force.

Step 3

ALWAYS CHOCK YOUR WORK. Never allow the tool to support the load while working on the equipment. After the equipment is lifted to the desired amount, set a chock under the equipment. **NEVER PLACE YOUR FINGERS OR ANY OTHER BODY PART UNDER THE EQUIPMENT WHILE THE PETOL POP-IT Flange Spreader & Prying Tool IS SUPPORTING THE LOAD.** Flip the direction switch on the ratchet handle to the right. With one hand on the tool handle, turn the ratchet handle to the right. With one hand on the tool handle, turn the ratchet handle counter clockwise to lower the equipment onto the chock. Remove the tool.

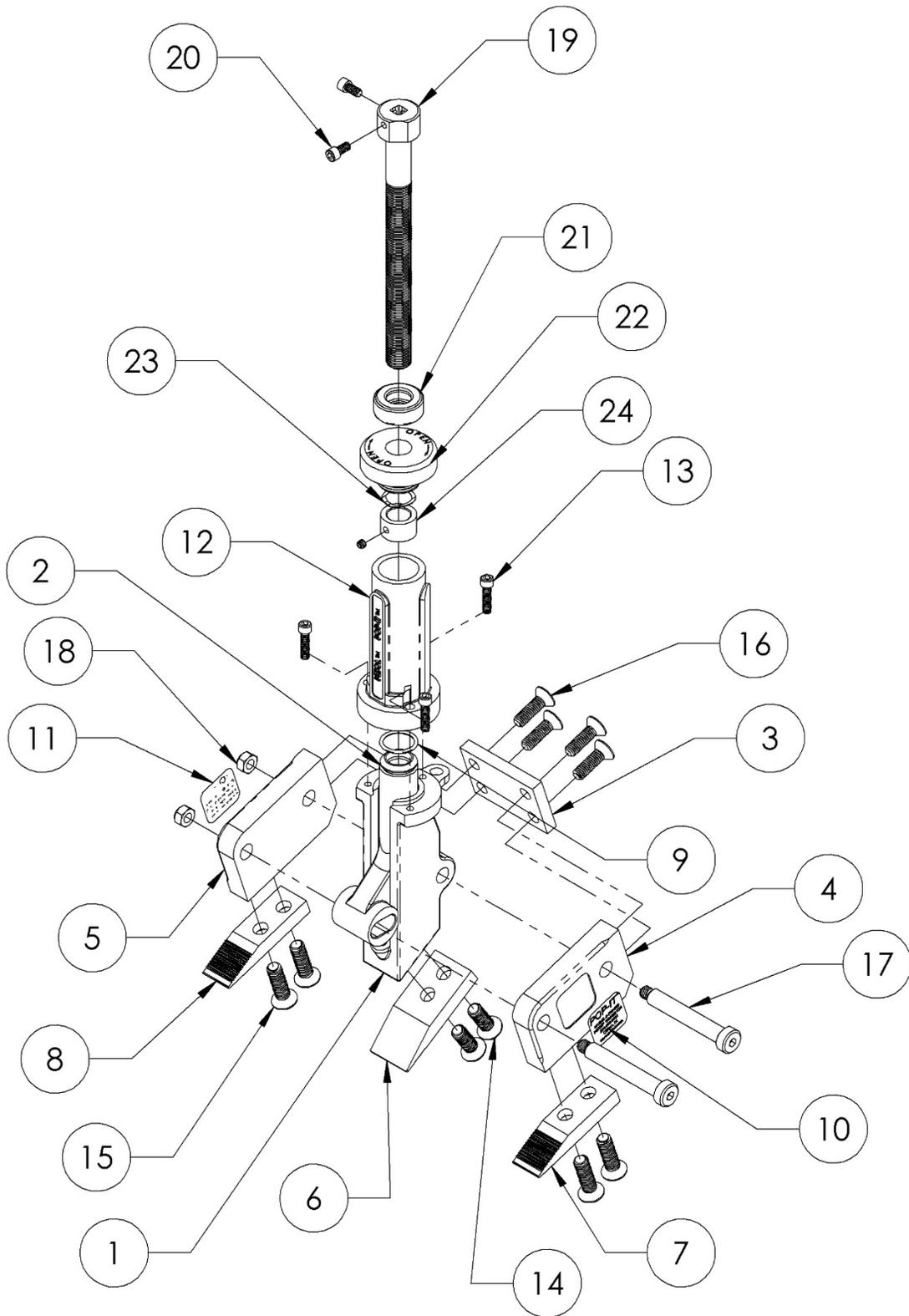
Step 4

Perform necessary maintenance/task.

Step 5

Insert the tool beside the chock. Flip the direction switch on the ratchet back to the left. While holding the tool handle, turn the ratchet handle clockwise until the chock comes free. After removing the chock, flip the direction switch to the right. Turn the ratchet handle counter clockwise until the equipment is lowered to its desired position. Remove the tool.

Replacement Parts



Item No.	Qty	Part No.	Description
1	1	PD0502	Body
2	1	PC0501	Riser
3	1	PB0503	Striker plate
4	1	PC0504L	Side plate (left)
5	1	PC0504R	Side plate (right)
6	1	PB0511	Inside toe
7	1	PB0512L	Outside toe (left)
8	1	PB0512R	Outside toe (right)
9	1	HXOR03	O-ring
10	1	LBL-093	Patent label
11	1	LBL-094	Caution label
12	1	PD0505	Handle
13	3	HXS056	Socket head cap screw 1/4-20UNC x 1
14	2	HXS064	Countersunk socket head cap screw 7/16-14UNC x 1-1/4
15	4	HXS065	Countersunk socket head cap screw 7/16-14UNC x 1-1/2
16	4	HXS058	Countersunk socket head cap screw 3/8-16UNC x 1
17	2	HXS059	Socket head shoulder screw 1/2 x 3
18	2	HXN065	Locking nut 3/8-16UNC
19	1	PC0508	Drive screw
20	2	HXS087	Socket head cap screw 1/4-20UNC x 1/2
21	1	HXB03	Thrust bearing
22	1	PB0507	End cap
23	1	HS33	Wave spring washer
24	1	PB0506	Locking sleeve with set screw
25	1	PC0509	Ratchet (not shown)