

Model 5470, 5475,  
5480, 5485, 5490,  
5495, 5496

# TEKTON®

## BOTTLE JACK

### OPERATOR'S MANUAL

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STORE THIS MANUAL IN A SAFE  
PLACE FOR FUTURE REFERENCE

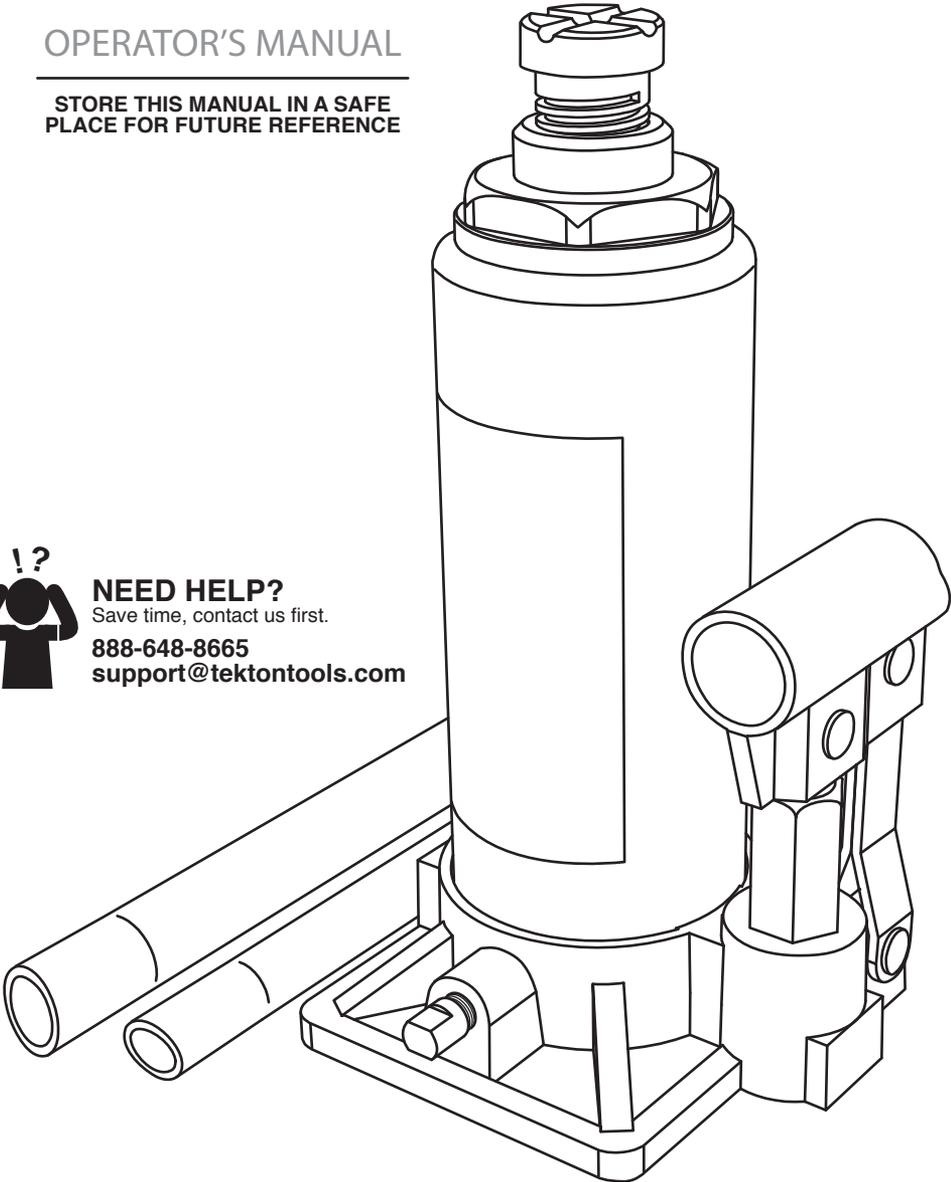


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## **WARNING**

READ AND UNDERSTAND ENTIRE MANUAL BEFORE OPERATING JACK. FAILURE TO FOLLOW INSTRUCTIONS OR WARNINGS COULD RESULT IN PERSONAL INJURY AND/OR PROPERTY DAMAGE.

### **Important Safety Rules**

1. Do not exceed the lifting capacity listed on this bottle jack.
2. This jack is intended for lifting only. Never use jack as a support. Once load is lifted, it must be supported immediately with a suitable structure (jack stands, if lifting vehicle) capable of bearing load. Never work on, under, or around a load supported only by a jack.
3. When lifting vehicles, use only approved lift points as specified in vehicle manufacturer's manual. Turn off engine, apply parking brake, and use wheel chocks to prevent vehicle from rolling.
4. Operate jack only on a hard, level surface capable of bearing weight of load.
5. Clear all bystanders from work area before lifting load.

### **Operating Jack**

#### **LIFTING**

1. Place jack only on a hard, level surface that can support weight of load and solid enough to prevent base of jack from sinking or shifting.
2. Assemble two pieces of pump handle and press together firmly.
3. Fit narrow end of pump handle over release valve screw and close by turning clockwise until tight.
4. Position jack under load to be lifted at a secure point strong enough to support stress of lifting. When lifting vehicles, consult vehicle manufacturer's manual for approved lifting points. Turn off vehicle engine, shift vehicle into park or lowest gear, engage parking brake, and chock all wheels not being lifted. Place chock in front and back of each wheel to prevent rolling.
5. Adjust extension screw to establish solid, secure contact between saddle and load.
6. Insert pump handle into socket and operate up and down until load is raised to desired height.
7. **▲ Immediately insert supports (jack stands, if lifting vehicle) under load.**

#### **LOWERING**

1. **▲ Visually inspect area under load before lowering. Be sure it is cleared of bystanders. Remove load supports or jack stands.**
2. Remove pump handle from socket and fit narrow end of pump handle over release valve screw. Open by slowly turning counterclockwise until jack begins to lower.  
**▲ Keep all body parts out from under load while lowering! Turn release valve screw very slowly! Less than 1/8 rotation is needed to begin lowering. Continue to adjust release valve screw carefully to control descent until load is stable and jack is completely disengaged from load.**
3. Turn extension screw clockwise until fully retracted.
4. Remove jack from beneath load and push ram completely down into jack before storage.

### **Maintaining Jack**

#### **ADDING HYDRAULIC OIL**

1. Place the jack upright on a level work surface.
2. Ensure ram and pump piston are completely in down position.
3. Remove hydraulic oil plug.
4. Fill hydraulic oil reservoir to level of fill hole.
5. Bleed air from hydraulic system (see following section for instructions).
6. Replace hydraulic oil plug.

#### **BLEEDING AIR FROM HYDRAULIC SYSTEM**

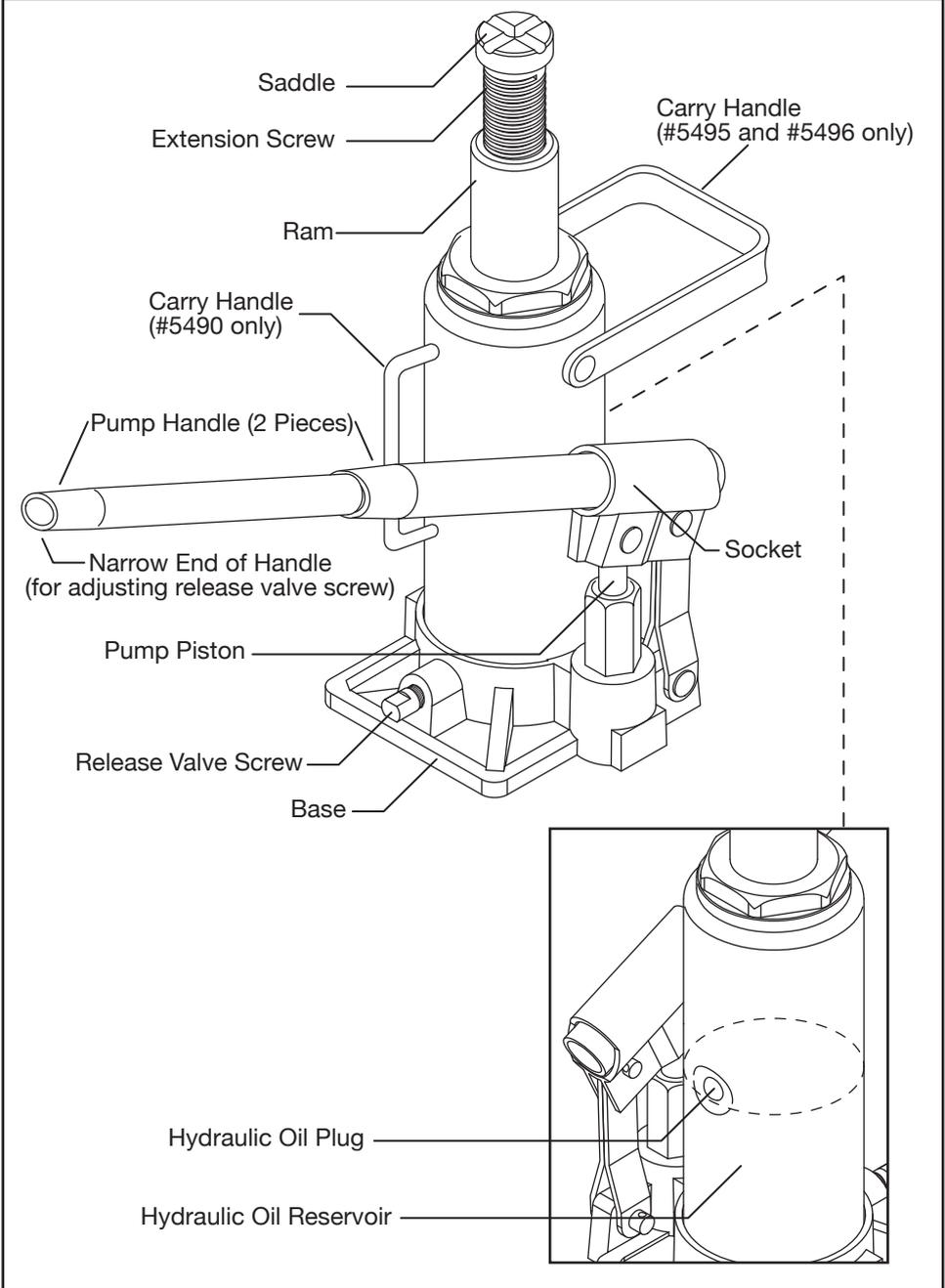
1. Place the jack upright on a level work surface.
2. Remove hydraulic oil plug.
3. Fit narrow end of pump handle over release valve screw and open 1-1/2 turns counterclockwise.
4. Insert pump handle into socket and pump rapidly 10 times to purge air from system.
5. Fit narrow end of pump handle over release valve screw and close (turn clockwise until tight).
6. Top off hydraulic oil reservoir to level of fill hole and replace hydraulic oil plug.

#### **STORAGE AND LUBRICATION**

To protect jack from damage and corrosion, be sure ram and extension screw are fully retracted and pump piston is fully in down position before storage. Store jack upright in a dry location.

To prolong life of jack and assure reliable operation, lubrication may be applied when needed. Apply light machine oil to all pivot points, extension screw, piston, and ram. Never use solvents on any part of jack.

# Parts Reference



## Troubleshooting Guide

Problem	Solution
Ram does not advance	<ul style="list-style-type: none"> <li>- Ensure <b>release valve screw</b> is closed. Turn clockwise to close.</li> <li>- Check <b>hydraulic oil reservoir</b> for proper oil level.</li> <li>- Bleed air from <b>hydraulic oil reservoir</b> (see page 2)</li> </ul>
Ram does not fully extend	<ul style="list-style-type: none"> <li>- Check <b>hydraulic oil reservoir</b> for proper oil level.</li> </ul>
Ram extends but loses pressure	<ul style="list-style-type: none"> <li>- Ensure <b>release valve screw</b> is closed tightly. Turn clockwise to close.</li> <li>- Check oil reservoir for proper oil level.</li> <li>- Bleed air from <b>hydraulic oil reservoir</b> (see page 2)</li> </ul>
Jack leaks oil	<ul style="list-style-type: none"> <li>- Ensure <b>hydraulic oil plug</b> is closed tightly.</li> <li>- Ensure <b>release valve screw</b> is closed tightly.</li> </ul>
Ram will not retract	<ul style="list-style-type: none"> <li>- Ensure <b>release valve screw</b> is open. Turn counterclockwise to open.</li> <li>- Debris or rust could cause ram to stick. Clean/lubricate exposed section of ram.</li> </ul>
Erratic performance	<ul style="list-style-type: none"> <li>- Check <b>hydraulic oil reservoir</b> for proper oil level.</li> <li>- Bleed air from hydraulic system.</li> </ul>

## Capacities and Dimensions

Model	Lifting Capacity	Min. Clearance	Adj. Screw	Max. Lifting Height	Base
5470	4000 lb. (1818 kg)	7-3/4" (19.5 cm)	2" (5 cm)	13-7/8" (35.25 cm)	3-1/2" x 3-5/8" (9 cm x 9.25 cm)
5475	8000 lb. (3636 kg)	7-1/4" (18.4 cm)	2-3/8" (6 cm)	15-1/8" (38.5 cm)	4-3/8" x 4-1/8" (11 cm x 10.5 cm)
5480	12000 lb. (5454 kg)	8-1/2" (21.5 cm)	2-3/4" (7 cm)	17-1/4" (43.8 cm)	4-3/8" x 4-3/8" (11 cm x 11 cm)
5485	16000 lb. (7272 kg)	9" (23.8 cm)	3-7/8" (9.8 cm)	18-3/4" (47.5 cm)	4-3/4" x 4-3/4" (12 cm x 12 cm)
5490	24000 lb. (10910 kg)	9-1/4" (23.5 cm)	3-1/4" (8.25 cm)	18-5/8" (47.3 cm)	5-1/2" x 5-1/4" (14 cm x 13.3 cm)
5495	40000 lb. (18180 kg)	9-1/2" (24 cm)	2-3/8" (6 cm)	18-1/8" (46 cm)	6-3/8" x 6" (16 cm x 15.25 cm)
5496	40000 lb. (18180 kg)	7-1/2" (19 cm)	2-3/8" (6 cm)	14-1/4" (36 cm)	6-3/8" x 6" (16 cm x 15.25 cm)



Michigan Industrial Tools  
3707 Roger B. Chaffee Dr.  
Grand Rapids, MI 49548

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