



**Before** using this product, read and understand this manual. Follow all Safety and Operating instructions. Failure to do so may result in severe personal injury and/or property damage. Save this manual for future access.

## Hydraulic Bottle Jack Manual

**Model BJ2A – 2 Ton Capacity**  
**Model BJ4A – 4 Ton Capacity**  
**Model BJ6A – 6 Ton Capacity**  
**Model BJ8A – 8 Ton Capacity**  
**Model BJ12A – 12 Ton Capacity**


**Model BJ12AS – 12 Ton Capacity Stubby**  
**Model BJ20A – 20 Ton Capacity**  
**Model BJ20AS – 20 Ton Capacity Stubby**  
**Model BJ30AS – 30 Ton Capacity Stubby**  
**Model BJ50A – 50 Ton Capacity**

### **BEFORE USE:**

During the shipping process, your hydraulic jack may have been tipped over during handling. This movement could cause air to get trapped within the hydraulic fluid. This air could cause your unit to not operate correctly.

1. Prior to operating the bottle jack, use the crimped end of the handle to open the release valve by rotating it counter clockwise one full turn.
2. With the release valve open, insert the handle into the handle socket. Pump the jack 8 complete strokes to purge the air from the hydraulic system.
3. Using the crimped end of the handle, rotate the release valve clockwise to close.
4. Without a load, use the handle to pump the handle socket until the jack is fully extended. Continue to pump the jack 2 more times to purge any remaining air.

5. Use the jack handle to open the release valve and push the jack into the lower position.
6. Repeat if needed.

 **WARNING**

Use hydraulic jacks for lifting only.  
Not intended to support loads.  
Loads must be supported by appropriate equipment.  
Do not overload jack.  
Read and heed all safety precautions and warnings.

## SAVE THESE INSTRUCTIONS

Save these instructions for future reference. This product manual contains important safety information. The product instructions, parts breakdown, and troubleshooting are included.

### IMPORTANT SAFETY MESSAGES

The following safety alert symbols and signal words are used to provide important safety warning messages. Failure to heed these warnings could result in possible injury or death.




The *safety alert symbol*: The safety alert symbol may be used alone or together with signal words. This signal indicates a potential risk for person injury. Observe all safety warnings.

 **DANGER**

Danger is a notification of an imminent hazardous situation, if not avoided, will result in death or serious personal injury.

 **WARNING**

Warning is a notification of a potentially hazardous situation, if not avoided, could result in a serious injury or death.

 **CAUTION**

Caution and the safety alert symbol indicates a hazardous situation or unsafe practice, if not avoided, could cause personal injury, product damage, or property damage.

**NOTICE**

Notice advises you of practices not related to personal injury.

**CAUTION**

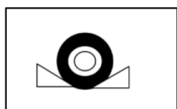
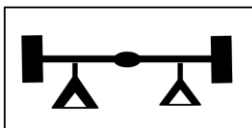
The word CAUTION without the safety alert symbol points out practices not related to personal injury.

## SAFETY INSTRUCTIONS

### **WARNING**

- **Study, understand, and follow** all instructions provided in this manual and on the jack before use.
- **Do not** exceed rated capacity.
- This device is for **lifting only**.
- After lifting, load **must be** transferred to appropriate rated equipment.
- Use only on **hard, level surfaces**.
- Lift **only** on areas of the vehicle specified by the vehicle manufacturer.
- Do not modify or alter a hydraulic jack.
- Use only attachments supplied by the manufacturer.
- Failure to heed safety warnings and markings may result in personal and/or property injury.

### **WARNING**




#### **To avoid crushing and severe injuries:**


- **Never** work on, under or around loads supported solely by hydraulic jacks.
- **Read, understand, and follow** all safety statements.
- **Immediately** support elevated loads with appropriately rated jack stands.
- Lift **only** on areas of the vehicle specified by the vehicle manufacturer. Failure to use the proper lift points could lead to vehicle damage, equipment failure, or injury.
- **Chock** each tire to remain on the level surface in both directions.
- **Never** operate this equipment when under the influence of drugs or alcohol.
- **Do not** use this device to lift, level, lower, support, adjust or otherwise move a house, mobile home, travel trailer, camper or building structure of any type, size, or configuration.


Hydraulic bottle jacks are designed to lift heavy loads. They are NOT designed to sustain loads. The correct load capacity hydraulic jack should be used for your application. This jack is designed for vertical use. After lifting, your load should be secured by the appropriate equipment.

## **OPERATING INSTRUCTIONS**

1. During the shipping process, air may have become trapped within the hydraulic system of the jack. Bleed air as directed on Page 1 under **BEFORE USE**.
2. Perform all work on a hard level surface.
3. With the jack handle, rotate the release valve clockwise to ensure it is closed.
4. Position the lowered jack below the manufacturer approved lift point. At this time, the elevating screw (if equipped) can be raised.


 **Warning** – Never place yourself or others under a load.

 **Warning** – Always set the vehicle parking break.


 **Warning** – Always chock all wheels not being lifted on both sides.

5. Insert the handle into the handle socket.
6. Pump the jack handle in an up and down motion until it is close to the lift point.
7. Verify that the jack saddle and lift point are in alignment.
8. Continue to pump the handle until you have reached the required height.
9. After lifting, **immediately** support the elevated load with properly rated


matching jack stands (follow manufacturer directions). Jack stands are not included.

 **Warning** – Never place yourself or others under a load.

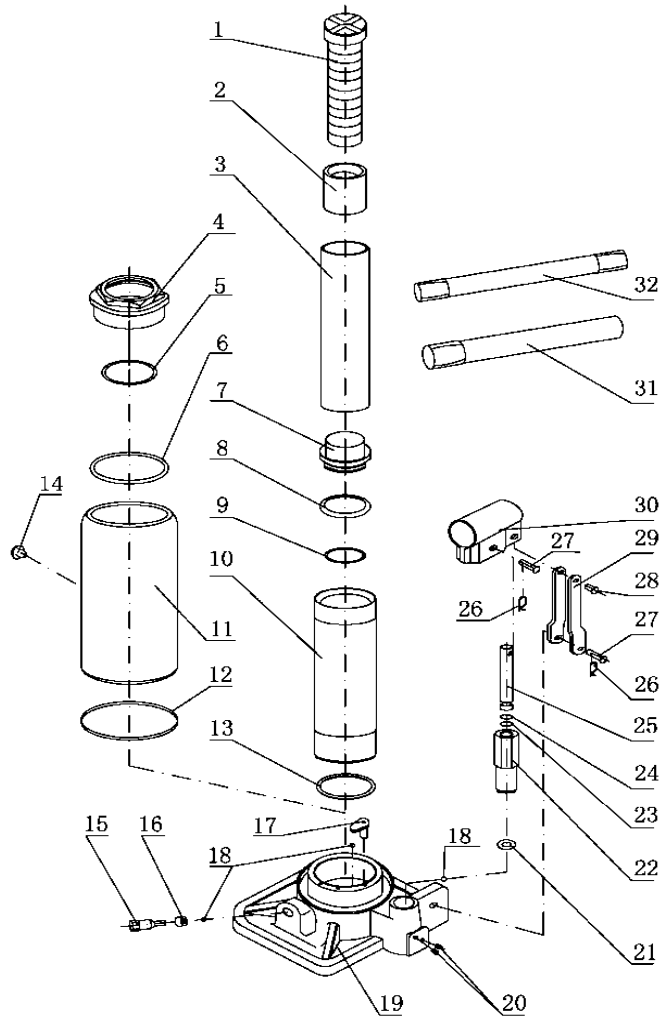
10. Once elevated load is securely supported by the jack stands, use the handle to slowly turn the release valve counterclockwise ½ turn.
11. To lower the jack at the completion of the job, turn the release valve clockwise to close. Align the jack saddle and lift points.
12. Raise the elevated load high enough to clear the jack stands for removal.

 **Warning** – Never place yourself or others under a load.

13. Remove the supporting jack stands.
14. Use the jack handle to slowly turn the release valve counterclockwise 1 turn to open.
15. Once the load is lowered, remove the bottle jack.
16. Press the ram down into the bottle jack to reduce exposure to the elements.

 **Warning** – Failure to follow directions can lead to serious injury, death or property damage.

## Parts Break Down



### Parts List

Part	Description	Qty
1	Adjust Screw	1
2	Adjust Screw Socket	1
3	Piston Rod	1
4	Nut	1
5	O-Ring (Nut)	1
6	Seal of Nut	1
7	Piston	1
8	Bowl Washer	1
9	O-Ring (Piston)	1
10	Cylinder	1
11	Reservoir	1
12	Sealing Part (Trapeziform)	1
13	Base Plate Wahser	1
14	Oil Fill Plug	1
15	Release Valve	1
16	Release Valve Seal	1

Part	Description	Qty
17	Ball Stopper	1
18	Ball	3
19	Base	1
20	Bolt	2
21	Washer (Pump)	1
22	Pump	1
23	O-Ring (Plunger)	1
24	Back Ring	1
25	Plunger	1
26	Spring Bolt	2
27	Pin	2
28	Short Pin	1
29	Link Plate	2
30	Swing Socket	1
31	Handle (Front)	1
32	Handle (Back)	1

For technical questions, please call  
**1-800-345-0169.**

## Product Specifications

SKU	Model	Capacity (Ton)	Min. Height (In.)	Lift Height (In.)	Adjust Height (In.)	Max. Height (In.)
103148	BJ2A	2	6.2	3.5	2.3	12.1
103149	BJ4A	4	7.6	5	2.3	15
103150	BJ6A	6	7.75	5	2.3	15
103151	BJ8A	8	8	5	2.3	15.7
103330	BJ12A	12	8.4	5	2.3	15.7
103331	BJ12AS	12 Stubby	7.5	3.9	2.3	13.7
103332	BJ20A	20	9.6	5.7	2.3	17.7
103333	BJ20AS	20 Stubby	7.5	3.5	2.3	13.4
103334	BJ30AS	30	9.4	5.1	-	14.5
103335	BJ50AS	50	9.3	4.7	-	14

## Maintenance

**⚠ Warning – Do not** use a jack that is not functioning properly. Failure to inspect and identify damage prior to use can lead to personal injury, death or property damage.

1. Inspect hydraulic jacks prior to each use. Visual damage, missing parts, loose fittings could impair proper function. If any damage is observed, do not use the jack. Remove any impaired jack from service.
2. Prior to each use, operate the jack without a load. If the jack is not operating correctly, use the **Troubleshooting Guide** on Page 7.

**⚠** Use only quality hydraulic jack oil to refill/replace oil.

3. To replace the hydraulic oil in the jack, open up the release valve. Remove the oil filler plug. (Note: If you are removing the existing oil, empty the used hydraulic oil in an appropriate sealable container. Used hydraulic oil should be disposed of according to local, state and federal regulations.) Replace with new hydraulic oil. Fill the hydraulic cylinder only to the point where oil starts to come out of the fill hole. Insert the oil filler plug.
4. The piston can be cleaned with a cleaning lubricant to remove visual rust and debris.
5. Store jack fully lowered. Store in a dry area away from children and non-trained personnel.

## Troubleshooting Guide

Jack will not lift load	Jack will not hold load	Jack will not lower all the way	Poor jack lifting (Spongy).	Jack will not lift to max height	Jack handle raises when under load	Causes/Solutions
X	X					Release valve is open. Turn valve clockwise to close.
X		X	X	X	X	Air is in the hydraulic oil. Release air from system (See page 1)
X						Weight Capacity is Exceeded
X	X		X	X		Oil level is low. Add oil as required.
		X				Oil reservoir is too full. Remove excess hydraulic oil
X	X		X		X	Hydraulic jack is malfunctioning. Replace.