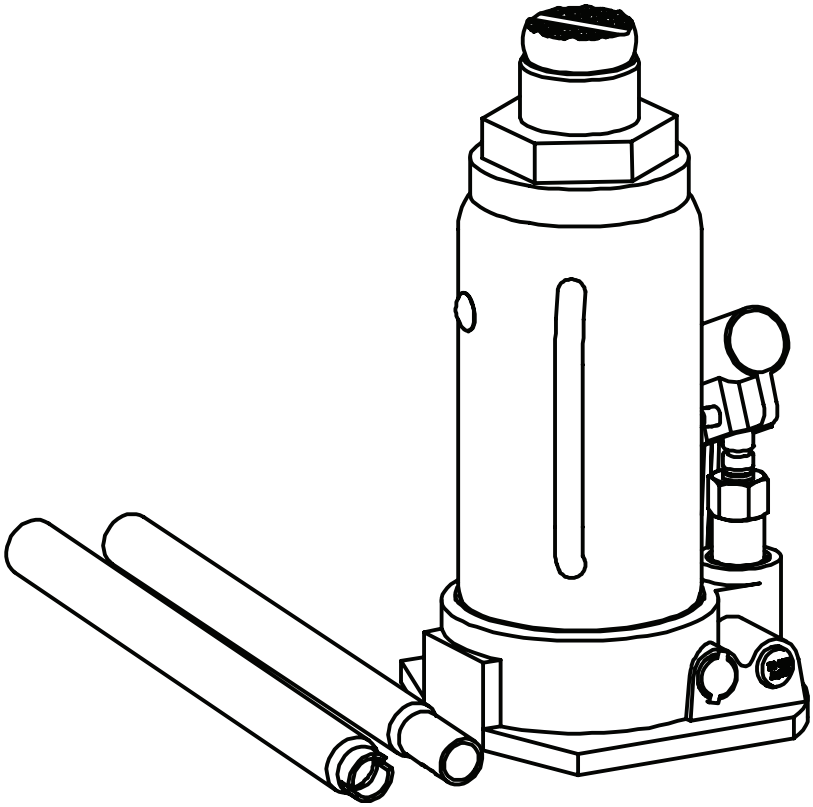
Bottle Jack Instruction Manual

MODELS: J10205

SFA Companies 10939 N. Pomona Ave. Kansas City, MO 64153
Tel: 888-332-6419 * Fax: 816-448-2142
E-mail: sales@bvahydraulics.com Website: www.bvahydraulics.com

Maximum Operating Pressure 10,000 PSI



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

© July 2018

Printed in China

SAFETY AND GENERAL INFORMATION

Save these instructions. For your safety, read, understand, and follow the information provided with and on this device before using. The owner and/or operator shall have an understanding of the device, its operating characteristics and safety operating instructions before operating the equipment. The owner and/or operator shall be aware that use and repair of this product may require special skills and knowledge. Instructions and safety information shall be read to and discussed with the operator in the operator's native language, making sure that the operator comprehends their contents, before use of this equipment is authorized. If any doubt exists as to the safe and proper use of this device, remove from service immediately.

Inspect before each use. Do not use if abnormal conditions such as cracked welds, damaged, loose or missing parts are noted. Any equipment that appears damaged in any way, is found to be worn, or operates abnormally shall be removed from service until repaired. If the equipment has been or is suspected to have been subjected to an abnormal load or shock, immediately discontinue use until inspected by a factory authorized repair facility (contact distributor or manufacturer for list of authorized repair facilities). It is recommended that an annual inspection be made by an authorized repair facility. Labels and Operator's Manuals are available from the manufacturer.

PRODUCT DESCRIPTION

BVA Hydraulic Bottle Jacks are designed to lift, not support, rated capacity loads consisting of one end of a vehicle. Immediately after lifting, the load must be supported by a pair of appropriately rated jack stands.

⚠ **WARNING:** *Never use hydraulic jack as a stand alone device. After lifting, immediately support the lifted load with a pair of appropriately rated jack stands.*

SPECIFICATIONS

Model	Capacity	Base Size (L x W)	Min. Height	Max. Height	Extension Screw
J10205	20 Ton	6" 1/8" x 5" 7/8"	9" 7/8"	18" 7/8"	3" 1/8"

PREPARATION

Before Use

1. Before using this product, read the operator's manual completely and familiarize yourself thoroughly with the product, its components and recognize the hazards associated with its use.
2. Verify that the product and application are compatible, if in doubt call BVA Technical Service (888) 332-6419.
3. Assemble handle, ensure spring clips align with slots.
4. To familiarize yourself with basic operation, use the notched end of provided Pump Handle to engage and turn the Release Valve:
   a. *Clockwise* until firm resistance is felt to further turning. This is the '**CLOSED**' Release Valve position used to raise the ram plunger.
   b. *Counter-clockwise*, but no more than 1/2 turn from the closed position. This is the '**OPEN**' Release Valve position used to lower the Ram Plunger.
5. With Ram Plunger fully retracted and release valve closed, pump the operating handle. If Ram Plunger responds immediately, jack is ready for use. If jack does not respond, follow **Bleeding/Venting Trapped Air** instruction below.
6. Check that the pump operates smoothly and that the Extension Screw will thread up/down easily before putting into service. Replace worn or damaged parts and assemblies with BVA authorized replacement parts only.

Bleeding/Venting Trapped Air

With the Release Valve in the OPEN position (step 4b above) and with Ram Plunger fully lowered, locate and remove the Oil Filler Plug/Screw. Insert the Pump Handle into the Handle Sleeve; then pump 6 to 8 full strokes. This will help release any pressurized air which may be trapped within the reservoir. Oil level should be even with the bottom of the oil filler hole. Reinstall the Oil Filler Plug/Screw.

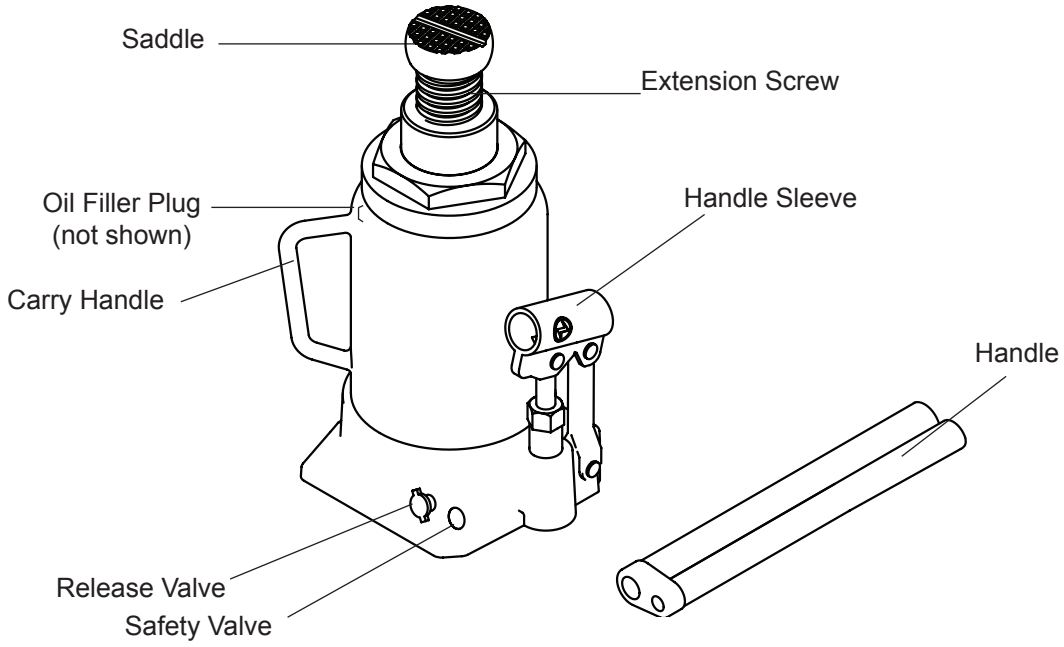
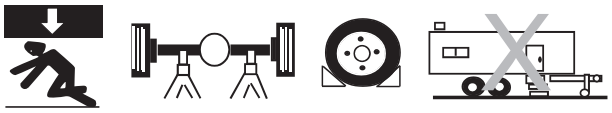


Figure 1 - Typical Bottle Jack Nomenclature

⚠WARNING

- *Study, understand, and follow all instructions before operating this device.*
- *Do not exceed rated capacity.*
- *Use only on hard, level surface.*
- *This is a lifting device only. Immediately after lifting, support the load with appropriate means.*
- *Lift only on areas of the vehicle as specified by the vehicle manufacturer.*
- *No alterations shall be made to this product.*
- *Only attachments and/or adapters supplied by the manufacturer shall be used.*
- *Failure to heed these markings may result in personal injury and/or property damage.*

⚠WARNING



To avoid crushing and related injuries:

- *Never work on, under or around a load supported only by hydraulic jack.*
- *Always use adequately rated jack stands.*
- *Chock each unlifted tire in both directions.*
- *Do not use this device to lift, level, lower, support nor move a house, mobile home, travel trailer, camper or any building structure.*
- *Be alert and sober when using this product. Do not operate under the influence of drugs or alcohol.*

OPERATION

Raising the Ram Plunger

1. Assemble Pump Handle, align spring clips with corresponding slots.
2. Place vehicle in park, with emergency brake on and wheels securely chocked to prevent inadvertent vehicle movement.
3. Locate and close Release Valve by turning Pump Handle clockwise until firm resistance is felt.
4. Verify lift point, center jack Saddle under lift point.
5. Insert Pump Handle into Handle Sleeve and pump to contact lift point. To lift, continue pumping until load reaches desired height.
6. Transfer the lifted load to a pair of appropriately rated jack stands.

NOTICE: *Use Pump Handle provided by jack manufacturer. The handle provided with this jack will safely engage the release valve and operate the Handle Sleeve. If handle is worn, operates abnormally, or will not positively engage the release valve, STOP, discontinue use of the jack until a factory replacement handle can be acquired.*

Lowering

⚠ **WARNING:** *Clear all tools and personnel before lowering load. Open release valve slowly. The further handle is turned counter-clockwise, the faster the load will descend. Maintain control of the load at all times.*

1. Raise load high enough to clear the jack stands, then carefully remove jack stands.
2. Slowly turn the Pump Handle counter-clockwise, but no more than 1/2 turn. *If the load fails to lower*:
   a. Use another jack to raise the vehicle high enough to reinstall jack stands.
   b. Remove the affected jack and then the stands.
   c. Use the functioning jack to lower the vehicle.
3. After removing jack from under the load, push Ram Plunger and Handle Sleeve down to reduce exposure to rust and contamination.

MAINTENANCE

NOTICE: *Use only good quality hydraulic jack oil. Avoid mixing different types of fluid and NEVER use brake fluid, turbine oil, transmission fluid, motor oil or glycerin. Improper fluid can cause premature failure of the jack and the potential for sudden and immediate loss of load. Premium hydraulic jack oil is recommended.*

Adding oil

1. With Ram Plunger fully lowered and pump piston fully depressed, set jack in its upright, level position. Remove Oil Filler Plug/Screw.
2. Fill with oil until just below the rim of the oil filler hole. Reinstall the Oil Filler Plug/Screw.

Changing oil

For best performance and longest life, replace the complete fluid supply at least once per year.

1. With Ram Plunger fully lowered and pump piston fully depressed, remove the Oil Filler Plug/Screw.
2. Lay the jack on its side and drain the fluid into a suitable container.

NOTICE: *Dispose of hydraulic oil in accordance with local environmental regulations.*

3. Fill with oil until just below the rim of oil filler hole.
4. Perform Bleeding/Venting Trapped Air procedure (page 3). Reinstall the Oil Filler Plug/Screw.

Lubrication

A periodic coating of light lubricating oil to pivot points, axles and hinges will help to prevent rust and assure that pump assemblies move freely.

Cleaning

Periodically check the pump piston and Ram Plunger for signs of rust or corrosion. Clean as needed and wipe with an oily cloth.

NOTICE: *Do not use sandpaper or abrasive material on ram or pump piston surfaces.*

Storage

When not in use, store the jack with pump piston and Ram Plunger fully retracted and air supply disconnected.

TROUBLESHOOTING

Symptom	Possible Causes	Corrective Action
Jack will not lift load	• Release Valve not tightly closed • Overload condition	• Ensure Release Valve tightly closed • Remedy overload condition
Jack will lift, but not maintain pressure	• Release Valve not tightly closed • Hydraulic unit malfunction	• Ensure Release Valve tightly closed • Contact BVA Tech. Service
Jack will not lower after unloading	• Reservoir overfilled	• Ensure load is removed, then drain fluid to proper level
Poor lift performance	• Fluid level low • Air trapped in system	• Ensure proper fluid level • Follow **Bleeding/Venting Trapped Air** procedure on page 3
Will not lift to full extension	• Fluid level low	• Ensure proper fluid level

Bottle Jack Service Parts

SFA Companies 10939 N. Pomona Ave. Kansas City, MO 64153
Tel: 888-332-6419 * Fax: 816-448-2142
E-mail: sales@bvahydraulics.com Website: www.bvahydraulics.com

Not all components of the pump are replacement items, but are illustrated as a convenient reference of location and position in the assembly sequence.

Parts List

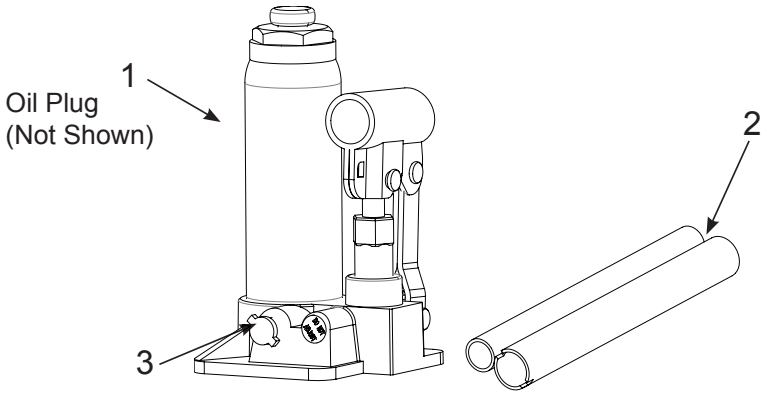


Figure 2 - Parts Illustration

Item	Part No.	Description	Qty
1	SQ-004P-009	Oil Filler Plug	1
2	SQ-004P-037	Handle Assembly	1
3	SQ-004P-018	Release Valve Assembly	1
-	SQ0020A-K00 (J10205)	Repair Kit (includes all soft seals, oil filler plug & release valve assembly)	-

LIMITED LIFETIME WARRANTY

BVA Hydraulics®, represented in the United States by SFA Companies [“SFA”] warrants this product to be free from defects in material and workmanship for the life of the product as long as the original purchaser owns the product. The warranty is non-transferable and is subject to the terms, exclusions, and limitations described below:

- Damaged components, including but not limited to bent rams, dented or crushed cylinder walls, broken welds or couplers as well as worn out seals, o-rings and springs are the result of misuse and not covered by warranty and BVA Hydraulics will not provide any warranty credit for such damaged components.
- This warranty does not cover ordinary wear and tear, overloading, alterations (including repairs or attempted repairs not performed by BVA Hydraulics or one of its authorized personnel), improper fluid use, or use of the product in any manner for which the product was not intended or the use of which is not in accordance with the instructions or warnings provided with the product.
- In the unlikely event that a BVA Hydraulics product fails due to material defect in workmanship, you may contact SFA for disposition. In such cases, the customer’s sole and exclusive remedy for any breach or alleged breach of warranty is limited to the repair or replacement of the defective product.
- Under no circumstances is BVA Hydraulics liable for any consequential or incidental damage or loss whatsoever.
- THIS WARRANTY IS LIMITED TO NEW PRODUCTS SOLD THROUGH AUTHORIZED DISTRIBUTORS AND OTHER CHANNELS DESIGNATED BY BVA HYDRAULICS. NO AGENT, EMPLOYEE OR OTHER REPRESENTATIVE OF BVA HYDRAULICS IS AUTHORIZED TO MODIFY THIS WARRANTY.
- THE FOREGOING IS EXCLUSIVE AND IS IN LIEU OF ALL OTHER EXPRESS AND IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FOR A FITNESS FOR A PARTICULAR PURPOSE.
- Components not manufactured by BVA Hydraulics including certain motor systems, gasoline engines, and other are not covered by this warranty and instead are covered by the manufacturer’s separate manufacturer’s warranty provided in the package.
- BVA Hydraulics’ liability in all cases is limited to, and will not exceed the purchase price paid for the product.

SFA Companies
10939 N. Pomona Ave. Kansas City, MO 64153
Tel: 888-332-6419
E-mail: sales@bvahydraulics.com

SFA Companies
10939 N. Pomona Ave. Kansas City, MO 64153
Tel: 888-332-6419
E-mail: sales@bvahydraulics.com