

HEAVY DUTY *PRO-JACK*

BOTTLE JACK OPERATING INSTRUCTIONS



BBJ2002

Min Height
172mm

Max Height
372mm



JHM Butt & Co Ltd

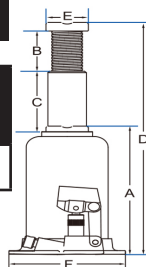
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Specifications

Specifications are subject to change without notice

Model	Capacity (Kg)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
BBJ2002	2000	172	88	112	372	28	103x105



WARNING! Failure to heed these warnings may result in loss of load, damage to bottle jack, and /or bottle jack failure resulting in personal injury or property damage.

WARNING:

- Read, Study and understand all warnings and operating instructions before using
- DO NOT OVERLOAD this jack beyond the rated capacity.
- This jack is a lifting device only
- This jack is designed for use on hard level surfaces only.
- The load must be supported immediately by other appropriate means such as a axle stand set.
- Lift only areas of the vehicle as specified by the manufacturer.
- Only attachments and/or adaptors supplied by the manufacturer should be used.
- No alterations to this jack should ever be made.
- Inspect the bottle jack carefully each time before use.

Operating Instructions

The owner and/or operator is responsible for providing maintenance, maintaining all decals or warning labels and while in use ensuring the unit is in good working order.

If the owner and/or operator is not fluent in English, the product warnings and instructions should be read and discussed with the operator in the operator's native language by the purchaser/owner or his designee.

You must ensure that the operator comprehends its contents. Safety information shall be emphasised and understood prior to usage.

Raising the vehicle

1. Ensure the jack and vehicle are on a level surface.
2. Always set the vehicle parking brake and chock the wheels.
3. Consult the owners manual prior jacking to assess correct lifting points.
4. Turn the release valve (fig1) clockwise to the closed position using the relevant end of the handle. **(DO NOT OVER TIGHTEN)**
5. To raise the vehicle to the desired height place the handle into the socket and begin pumping up and down.
6. Place axle stands beneath the vehicle at locations recommended by the vehicle manufacturer. **Do not get under the vehicle without axle stands!** Jacks are not designed to maintain heavy loads for long periods of time. Never attempt to put a jack stand simultaneously under both ends of the vehicle or under one side of the vehicle.
7. Turn release valve slowly anti-clockwise to lower the load onto the axle stands.



FIG 1

Lowering the vehicle

CAUTION: LOWER VEHICLE SLOWLY!! TURN RELEASE VALVE SLOWLY!

1. Turn the release valve (fig1) clockwise to the closed position.
2. Pump the handle to lift the vehicle off the axle stands.
3. Remove the axle stands. Do not get under the vehicle or allow anyone else to get under the vehicle whilst lowering.
4. Turn the release valve (fig1) SLOWLY to lower the vehicle to the ground.

Inspection

This product should be visually inspected before each use, to look for abnormal conditions such as cracked welds, damage, bent, worn or missing parts. The jack needs to be inspected immediately if it is believed to have been subject to and abnormal load or shock. Operators and/or owners should be aware that the repair of this product should be done by a specialist.

Maintenance

Monthly maintenance is recommended. Lubrication is critical to jacks as they support heavy loads. Any restriction due to dirt, rust etc can cause either slow movement or cause extremely rapid jerks, damaging the internal components. The following steps are designed to keep the jack maintained and operational.

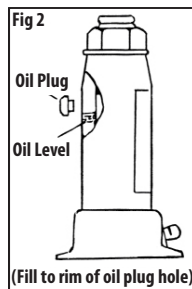
1. Lubricate the ram, linkages, saddle and pump mechanism with light oil.
2. Visually inspect the bottle jack for cracked welds, bent or loose missing parts or hydraulic oil leaks.
3. This product should be removed from service immediately if found to be worn or operates in an abnormal way.
4. Clean all surfaces and maintain all labels and warnings.
5. Check and maintain the ram oil level.
6. Check the ram every 3 months for any sign of rust or corrosion. Clean as needed and wipe with and oily cloth. When not in use always leave the saddle and ram all the way down.

Important

Do not use brake or transmission fluids or regular engine oil as they will damage the ram piston seals. Always use hydraulic jack oil

Checking the Oil Level

1. Place the jack in an upright position.
2. Turn the release valve (fig1) anticlockwise to allow the ram to fully retract. It may be necessary to apply force to the saddle for lowering.
3. Remove the oil plug (See fig2)



4. With the bottle jack in a vertical position and handle socket down the oil level should be level with the bottom of the fill hole. If not, fill to this level but **Do Not Over Fill** Always use new clean hydraulic oil.
5. (Purge the system of air as described below)
5. Replace the rubber oil plug
6. Lubricate pivoting joints and screw extension periodically for correct maintenance.

Purging Oil From Hydraulic System

Occasionally, air bubbles become trapped inside the jack, reducing its efficiency. Bleed air out of the jacks hydraulic system as follows:-

1. Turn release valve anticlockwise one full turn to open.
2. Pump the handle eight full strokes.
3. Turn release valve clockwise to close the valve.
4. Pump handle until the ram reaches maximum height and continue to pump several times to remove trapped air in the ram.
5. Carefully and slowly pinch oil fill plug to release the trapped air.
6. Turn the release valve anticlockwise one full turn and lower the ram to its lowest position. Use force if necessary.
7. Turn release valve clockwise to closed position and check for correct pump action. It may be necessary to repeat the above a number of times to ensure all air is purged from the system.

Possible Problems & Solutions

PROBLEM	SOLUTIONS
Jack will not lift load or full rated capacity Jack lowers under load	Release valve may not be tightly closed Jack may be low on oil or have air inside (see purging oil section)
Oil leaking from filler plug	Reservoir may be overfilled. Remove filler plug and drain excess oil.
Pump feels spongy	Jack may be low on oil or may have air inside. (see purging oil section)
Handle raises under load	Valves may not be closed or have foreign matter present. To flush valves lower the saddle and close the valve. Manually lift the saddle several inches, open the release valve and then force the saddle to lower as quickly as possible.
Jack will not lift to full height	Jack may be low on oil or have air inside (see purging oil section)

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