

BLUERANGE®

HYDRAULIC BOTTLE JACK

OPERATING INSTRUCTIONS



Model No's:

BRBJ3T ~ 3 Tonne

BRBJ5T ~ 5 Tonne

BRBJ10T ~ 10 Tonne



PROTECT THE ENVIRONMENT

When this product reaches the end of its useful/working life it should be recycled in line with local policies and regulations. Take the product to you recycling centre to be disposed of in an environmentally friendly manner.

IMPORTANT:

We reserve the right to update our product specification, data and parts with out notice, as part of our continuous improvement policy.

We accept no liability for any incorrect use of this product.

Document BRBJ – Dated 1st May 2021 Rev 1.2

IMPORTANT:

KEEP THESE INSTRUCTIONS SAFE FOR FUTURE REFERENCE.



READ INSTRUCTIONS CAREFULLY, FOLLOW THE SAFE WORKING PRACTICES OUTLINED AND HEED THE WARNINGS. FAILURE TO DO SO MAY LEAD TO PERSONAL INJURY OR DAMAGE THE PRODUCT.

SAFETY

Before use ensure the Bottle Jack is in good working order and not damaged. If the Bottle Jack is damaged remove from service immediately. Damaged parts should be repaired or replaced before the unit is used again. This should be undertaken using genuine parts by a trained technician.

- **Ensure** the load is within the lifting capacity of the jack.
- **Ensure** the jack is used on level ground, preferably concrete. Avoid soft surfaces like Tarmac as the jack may sink.
- **Ensure** all but essential personnel keep a safe distance while the jack is in use.
- **Ensure** the work area is well lit, clean and free from clutter.
- **Ensure** work area floor is sound and not slippery so a firm footing can be maintained.
- **Ensure** only competent personnel operate the hydraulic jack.
- Ensure the area is clear before lowering the load
- Ensure the lifting point is centred and stable on the jack saddle – to avoid loads slipping.
- **If using the jack on a Vehicle:-**
 - **Ensure** the vehicle weight is within capacity and that the recommended lifting points are used – see owner’s manual. Position the Jack to avoid operating it from under the vehicle.
 - Ensure jacking the vehicle will not result in a leakage of fuel or other dangerous fluids.
 - **Ensure** wheel nuts are slightly loosened before jacking, and only lightly tightened before lowering. Fully tighten the nuts to the specified torque when the car is on the ground. This process avoids moving the vehicle while it is raised. Check wheel nut torque again after a short journey.
 - **Ensure** the hand brake is applied (in Park for Automatics), engine switched off and chocks placed under the wheels.
 - **Ensure** a minimum clearance of 0.5m between the vehicle and any other objects to allow for raising and tilting during jacking.
 - **Ensure** all occupants are out of the vehicle before lifting and never let anybody in the vehicle while on the jack or axle stands.
 - **Ensure** suitable axle stands, correctly positioned, are used to support the vehicle before placing any part of your body under the vehicle.

DANGER – Changing the wheel at the roadside is hazardous. Take extra care -avoid jacking on Tarmac, traffic may cause the vehicle to rock, use hazard warning lights and NEVER go under the vehicle. If in doubt seek professional help – especially with caravans or trailers.

DANGER

Use the jack for lifting only – never to support the lifted load for other work tasks eg welding..

- **DO NOT** exceed the rated capacity Jack or exceed its maximum pump stroke.
- **DO NOT** allow untrained personnel to operate the Jack.
- **DO NOT** remove labels from the Jack – replace any damaged or unclear labels.
- **DO NOT** modify the Jack or use it for any purpose it was not intended for.
- **DO NOT** use when under the influence of drugs, alcohol or medication that may cause drowsiness.
- **DO NOT** top the Jack up with Brake fluid. USE only the recommended hydraulic oil.
- **DO NOT** use the lever hoist if any chains are kinked or knotted.

IMPORTANT-CAUTION

Install, operate and maintain this equipment in accordance with these instructions. Failure to do so may lead to personal injury, damage to the Jack and invalidation of the warranty.

Take immediate action to repair or replace damaged parts by contacting your supplier. Ensure that all accessory lifting devices are suitably certified. If Jack is damaged, remove from service immediately.

Read thoroughly the contents before use and keep this handbook for future use.



Refer to instructions



Wear protective gloves



Wear safety footwear

OPERATION

The Bottle Jack may have accumulated air during transit, to ensure this is eliminated by purging the system as follows. Open the release valve (1) and pump the system several times. Close the release valve (1) .

LIFTING

1. Before operating estimate the weight of the load. Do not operate the jack above its rated load.
2. Identify the centre of gravity of your load and place the jack on hard ground. A suitable solid pad may be used under the jack to avoid it sinking or leaning in softer surfaces.
3. Before operating the jack, insert the notched end of the handle into the release valve (1). Turn the operating handle clockwise until the release valve is closed. Do not over tighten the valve.
4. Insert operating handle into the socket slowly pump until the saddle touches the load. Ensure it seats properly with the load, then slowly continue pumping until the load is at the required height. The ram will stop rising when the maximum height is reached – do not try to over extend the jack.

OPERATION

• **LOWERING**

1. Lower the Jack by turning the release valve (1) slowly anti-clockwise with the notched end of the handle. Do not release the valve too much as this could result in an uncontrolled descent of the load.
2. To stop the descent at any time close the release valve with an clockwise turn.

MAINTENANCE & STORAGE

• **STORAGE**

Before storing the Jack clean and lubricate all moving parts with a acid free oil. The Jack should be stored in a clean dry area.

When storing the jack the ram should be in its lowest position to minimise corrosion and the handle removed and stored safely.

• **MAINTENANCE**

IMPORTANT only fully qualified personnel should attempt any maintenance.

DO NOT use the Jack if it is believed to have been subject to abnormal loads or shock. Inspect the unit and take appropriate remedial action.

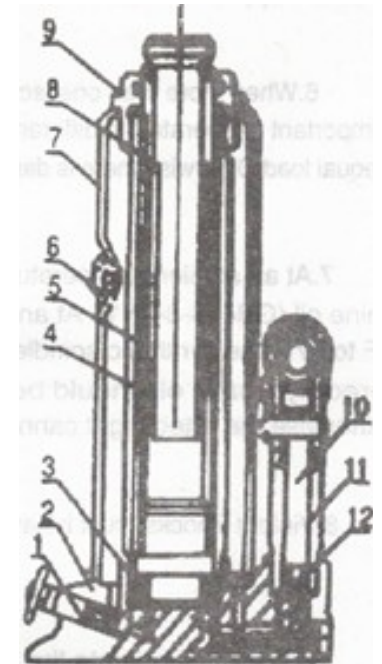
Before each use visually check the Jack for abnormal wear, cracks, corrosion or other signs of wear or damage.

At ambient temperatures (-3C – 45C) use machine oil (GB 443-84) N15 at temperatures 15C to 13C use synthetic spindle oil (GB44164)

Ensure sufficient oil is in the Jack to enable it to reach its full lift.

SCHEMATIC DIAGRAM

1. Release valve lever
2. Base
3. O-Ring
4. Hydraulic cylinder
5. Ram
6. Hydraulic oil
7. Oil-tight tank
8. Extension screw
9. Top cap
10. Pump plunger
11. Pump Body
12. O-Ring



Dual Document



**EC DECLARATION
OF CONFORMITY**



**UKCA DECLARATION
OF CONFORMITY**



Designation: Hydraulic Bottle Jack 3 Tonne, 5 Tonne, 10 Tonne.

Model No: BRBJ3T / BRBJ5T / BRBJ10T

Complies with the following directives:

Machinery Directive 2006/42/EC

The conformity assessment procedure followed was in accordance with EN ISO 1494:2000+A1:2009

Manufacturing Date/serial number :

Please refer to product data label for Batch number

Technical file holder : Bluerange

Authorised signatory

Dated: 11/05/2021

Signature:

Malcolm Lewis

Name: Mr Malcolm Lewis

Position: Brand Manager

Company:

Bluerange 76 Regent Road Bootle Merseyside L20 1BL

MAINTENANCE NOTES
