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› Bahco BH1EU3000 3 Ton Floor Jack Instruction Manual

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Bahco BH1EU3000 3 Ton Floor Jack Instruction Manual

Model: BH1EU3000

1. INTRODUCTION

This manual provides essential instructions for the safe and effective use of your Bahco BH1EU3000 3 Ton Floor Jack. Please read and understand all instructions and safety warnings before operating this equipment. Proper use and maintenance will ensure long-lasting performance and user safety.



Image 1: Bahco BH1EU3000 3 Ton Floor Jack. This image displays the complete floor jack assembly, highlighting its robust construction and orange finish.

2. SAFETY INFORMATION

WARNING: Failure to follow these instructions may result in serious injury or property damage.

- Always read and understand the entire manual before use.
- Do not exceed the rated capacity of 3 tons (3000 kg).
- Use only on a hard, level surface.
- Always use jack stands to support the vehicle immediately after lifting. Never work under a vehicle supported only by a jack.
- Ensure the vehicle's parking brake is engaged and wheels are chocked before lifting.
- Center the load on the jack saddle. Off-center loads can cause instability.
- Keep hands and feet clear of moving parts.
- Do not modify the jack or use it for purposes other than lifting vehicles.
- Inspect the jack for damage or leaks before each use. Do not use if damaged.
- Wear appropriate personal protective equipment (PPE) such as safety glasses and gloves.

3. PRODUCT FEATURES

The Bahco BH1EU3000 Floor Jack is equipped with the following features:

- **3-Ton Lifting Capacity:** Capable of lifting vehicles up to 3000 kg.
- **Dual Piston System:** Allows for rapid lifting, reaching maximum height in approximately 7 pump strokes.
- **Nylon Wheels:** Provides quiet and smooth maneuverability, reducing floor damage.
- **Rubber Saddle Pad:** Protects the vehicle's chassis from scratches and damage during lifting.
- **Parts Tray:** Conveniently located tray for holding nuts, bolts, and small components.
- **Integrated Safety Overload Valve:** Prevents the jack from being used beyond its rated capacity, enhancing safety.

4. SETUP AND INITIAL PREPARATION

1. **Unpacking:** Carefully remove the jack from its packaging. Inspect for any signs of damage during shipping. If damaged, do not use and contact your supplier.
2. **Handle Assembly:** Insert the handle into the handle socket. Secure it according to the instructions provided with the jack (typically involves aligning holes and inserting a pin or tightening a screw).
3. **Bleeding the Hydraulic System (if necessary):** Air can become trapped in the hydraulic system during shipping. To bleed the system:
 - Turn the release valve counter-clockwise to fully open it.
 - Pump the handle rapidly 10-15 times without a load.
 - Turn the release valve clockwise to close it.
 - The jack should now operate smoothly. Repeat if necessary.
4. **Check Fluid Level:** Ensure the hydraulic fluid level is adequate. Refer to the maintenance section for details on

checking and refilling.

5. OPERATING INSTRUCTIONS

5.1. Lifting a Vehicle

1. **Preparation:** Park the vehicle on a hard, level surface. Engage the parking brake and chock the wheels that will remain on the ground.
2. **Positioning the Jack:** Locate the vehicle manufacturer's recommended lifting points. Position the jack so the saddle is directly under the lifting point. Ensure the rubber saddle pad is in place.
3. **Raise the Jack:** Turn the release valve clockwise until it is fully closed. Pump the handle to raise the jack saddle until it makes contact with the vehicle's lifting point.
4. **Lift the Vehicle:** Continue pumping the handle to lift the vehicle to the desired height. Lift only high enough to allow for the placement of jack stands.
5. **Secure with Jack Stands:** Immediately place appropriately rated jack stands under the vehicle's designated support points. Lower the vehicle slowly onto the jack stands by gradually turning the release valve counter-clockwise. Ensure the vehicle is stable on the jack stands before performing any work.
6. **Remove Jack:** Once the vehicle is securely supported by jack stands, fully lower the jack and remove it from under the vehicle.

5.2. Lowering a Vehicle

1. **Preparation:** Ensure the area around the vehicle is clear.
2. **Raise Slightly:** Position the jack under the vehicle's lifting point and raise the vehicle slightly, just enough to clear the jack stands.
3. **Remove Jack Stands:** Carefully remove the jack stands from under the vehicle.
4. **Lower Vehicle:** Slowly turn the release valve counter-clockwise to gradually lower the vehicle to the ground. Do not open the valve too quickly, as this can cause the vehicle to drop rapidly.
5. **Remove Jack:** Once the vehicle is fully on the ground, fully open the release valve, lower the jack completely, and remove it.

6. MAINTENANCE

Regular maintenance is crucial for the safe and efficient operation of your jack.

- **Before Each Use:** Inspect the jack for any visible damage, leaks, or loose parts. Ensure all moving parts are clean and lubricated.
- **Lubrication:** Periodically lubricate all pivot points and moving parts with light machine oil.
- **Hydraulic Fluid:** Check the hydraulic fluid level every three months or as needed. To check, lower the jack completely, remove the oil filler plug, and ensure the fluid is level with the bottom of the filler hole. Use only high-quality hydraulic jack oil. Do not use brake fluid or motor oil.
- **Cleaning:** Keep the jack clean and free of dirt, grease, and corrosive materials.
- **Storage:** Store the jack in a dry, clean area with the ram fully retracted.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Jack will not lift load.	Release valve open; Low hydraulic fluid; Air in system; Overload.	Close release valve; Check fluid level and refill; Bleed air from system; Ensure load is within capacity.
Jack lifts slowly or only partially.	Low hydraulic fluid; Air in system; Obstruction in pump.	Check fluid level and refill; Bleed air from system; Inspect for obstructions.
Jack loses pressure and lowers.	Release valve not fully closed; Leaking seals; Air in system.	Ensure release valve is fully closed; Inspect for leaks (contact service if found); Bleed air from system.

8. SPECIFICATIONS

Feature	Detail
Model Number	BH1EU3000
Brand	Bahco
Manufacturer	BAHCO
Maximum Load Capacity	3000 kg (3 tons)
Minimum Height	10 cm
Product Dimensions (L x W x H)	74.5 x 38.5 x 21 cm
Item Weight	30.5 kg
Material	Alloy Steel
Color	Orange
Spare Parts Availability	15 Years

9. WARRANTY AND SUPPORT

For warranty information, technical support, or to inquire about spare parts, please contact your Bahco dealer or visit the official Bahco website. Keep your purchase receipt as proof of purchase for any warranty claims.
Note: Spare parts for this model are available for 15 years from the date of manufacture.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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