

Bahco BH12000

Bahco BH12000 Extra Low Jack 2T Instruction Manual

Brand: Bahco

1. INTRODUCTION

This instruction manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Bahco BH12000 Extra Low Jack 2T. Please read this manual thoroughly before using the jack to ensure proper understanding and to prevent injury or damage to property. Keep this manual for future reference.

2. SAFETY INFORMATION

WARNING: Failure to follow these safety instructions may result in serious injury or death.

- **Read the Entire Manual:** Understand all instructions and warnings before operating the jack.
- **Load Capacity:** Never exceed the rated load capacity of 2 tons (2000 kg). Overloading can cause jack failure and severe injury.
- **Use Jack Stands:** Always use appropriate jack stands to support the vehicle immediately after lifting. Never work under a vehicle supported only by the hydraulic jack.
- **Stable Surface:** Operate the jack only on a hard, level, and stable surface. Avoid uneven ground, soft surfaces, or inclines.
- **Center the Load:** Ensure the load is centered on the jack's saddle. Off-center loads can cause instability.
- **Clear Area:** Keep hands, feet, and other body parts clear of moving parts and the area under the load.
- **Personal Protective Equipment:** Wear appropriate safety gear, including safety glasses and gloves.
- **Inspect Before Use:** Before each use, inspect the jack for any signs of damage, leaks, or wear. Do not use a damaged jack.
- **No Modifications:** Do not modify the jack or use it for purposes other than its intended design.
- **Controlled Lowering:** Lower the load slowly and in a controlled manner.
- **Vehicle Stability:** Ensure the vehicle's parking brake is engaged and wheels are chocked before lifting.

3. PRODUCT OVERVIEW AND COMPONENTS

The Bahco BH12000 Extra Low Jack 2T is a high-quality hydraulic floor jack designed for efficient and safe vehicle lifting. Key features include:

- **Dual Pistons:** Reduces the number of strokes required for lifting by 50%, enhancing speed and efficiency.
- **Dust Cover:** Protects internal pistons and springs from dust and dirt, extending product life.
- **Rubber Saddle:** Included to protect vehicle surfaces and prevent slipping during lifting.
- **Curved Handle:** Designed for increased comfort and accessibility during operation.
- **Steel and PU Covered Wheels:** Ensures durability and quiet movement.
- **Tool Tray:** Conveniently located at the bottom of the handle for storing small tools, screws, or nuts.
- **Safety Pressure Valve:** Prevents overloading beyond the 2-ton capacity.
- **Safety Lowering Valve:** Ensures controlled and safe lowering, even under maximum load.



Figure 1: Bahco BH12000 Extra Low Jack 2T. This image shows the complete jack assembly with its handle attached, ready for use.



Figure 2: Bahco BH12000 Jack with its handle detached. This illustrates the main body of the jack and the separate handle component, useful for assembly and storage.

4. SETUP

1. **Unpacking:** Carefully remove the jack and all components from the packaging. Inspect for any shipping damage.
2. **Handle Assembly:** Insert the handle into the handle socket on the jack. Secure it according to the instructions provided with the jack, typically involving a pin or bolt.
3. **Bleeding the Hydraulic System (Initial Use):** Before first use, it is recommended to bleed any air from the hydraulic system. To do this, ensure the jack is fully lowered. Open the release valve by turning the handle counter-clockwise. Pump the handle several times without a load to circulate the hydraulic fluid and expel air. Close the release valve by turning the handle clockwise.
4. **Function Test:** Perform a test lift without a load to ensure the jack raises and lowers smoothly.

5. OPERATING INSTRUCTIONS

Always refer to your vehicle's owner's manual for specific lifting points and procedures.

1. **Vehicle Preparation:** Park the vehicle on a hard, level surface. Engage the parking brake and place wheel chocks on the wheels that will remain on the ground.
2. **Locate Lifting Points:** Consult your vehicle's owner's manual to identify the correct lifting points. These are typically reinforced areas designed to support the vehicle's weight.
3. **Position the Jack:** Roll the jack under the vehicle, aligning the rubber saddle directly under the designated lifting point. Ensure the load will be centered on the saddle.
4. **Lifting the Vehicle:** Close the release valve by turning the handle clockwise until it is firm. Begin pumping the handle to raise the jack. The extra large round shaped foot pedal can be used for a quick approach to the lifting point. Continue pumping until the vehicle is raised to the desired height.
5. **Secure with Jack Stands:** Immediately after lifting, place appropriately rated jack stands under the vehicle's designated support points. Ensure the vehicle is securely resting on the jack stands before performing any work.
6. **Lowering the Vehicle:** Once work is complete and all tools are removed, slightly raise the vehicle with the jack to relieve pressure on the jack stands. Carefully remove the jack stands. Slowly turn the handle counter-clockwise to open the release valve, allowing the vehicle to lower gradually and in a controlled manner. Once fully lowered, remove the jack.



Figure 3: Bahco BH12000 Jack positioned under the rear of a vehicle. This image demonstrates the jack's low profile and its application for lifting a car.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Bahco BH12000 jack.

- **Inspection:** Before each use, inspect the jack for any signs of damage, wear, or hydraulic fluid leaks. Check all bolts and fasteners for tightness.
- **Cleaning:** Keep the jack clean and free of dirt, grease, and debris. Wipe down the exterior after each use. The

dust cover helps protect internal components.

- **Hydraulic Fluid:** Periodically check the hydraulic fluid level. If low, refill with a high-quality hydraulic jack oil. Do not use brake fluid or other non-specified fluids. Consult a qualified service technician if you suspect a significant leak.
- **Lubrication:** Lubricate moving parts, such as pivot points and wheel axles, with light machine oil as needed.
- **Storage:** Store the jack in a dry, clean, and safe location, preferably with the ram fully retracted to protect the hydraulic seals.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Jack does not lift or lifts slowly	Low hydraulic fluid level Air in hydraulic system Overload (exceeding 2 tons)	Check and refill hydraulic fluid Bleed air from the system (refer to Setup section) Reduce load; ensure it is within 2-ton capacity
Jack does not hold load / drifts down	Release valve not fully closed Internal hydraulic leak (worn seals) Overload	Ensure release valve is fully closed Contact qualified service technician Reduce load; ensure it is within 2-ton capacity
Jack lowers too quickly	Release valve opened too far	Open release valve slowly and incrementally for controlled lowering
Jack does not lower	Release valve stuck or obstructed Mechanical binding	Check for obstructions; gently attempt to free valve Inspect for bent or damaged components; contact service technician

8. SPECIFICATIONS

Specification	Value
Model Number	BH12000
Brand	Bahco
Load Capacity	2 tons (2000 kg)
Minimum Height	70 mm (2.76 inches)
Maximum Height	490 mm (19.29 inches)
Overall Length	785 mm (30.9 inches)
Product Dimensions (L x W x H)	31.3 x 15.35 x 8.66 inches
Item Weight	99 pounds (44.5 kg)
Saddle Diameter	119 mm (4.69 inches)

9. WARRANTY AND SUPPORT

For information regarding the product warranty, please refer to the documentation included with your purchase or contact the retailer where the product was acquired. For technical support, spare parts, or service inquiries, please contact Bahco customer service or an authorized Bahco service center.

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