

Bahco BP815

Bahco BP815 Pneumatic Impact Wrench Instruction Manual

1. INTRODUCTION

Thank you for choosing the Bahco BP815 Pneumatic Impact Wrench. This manual provides essential information for the safe operation, maintenance, and troubleshooting of your tool. Please read it thoroughly before use and keep it for future reference. The Bahco BP815 is a robust pneumatic impact wrench designed for various fastening applications, offering a torque range of 320 to 620 Nm. It features a lightweight composite housing, a comfortable grip, and a twin hammer mechanism for efficient performance.

2. SAFETY INFORMATION

Always observe general safety precautions when using power tools. Failure to do so may result in serious injury or property damage.

- **Wear Eye Protection:** Always wear ANSI-approved safety goggles or a face shield.
- **Wear Hearing Protection:** Prolonged exposure to noise from pneumatic tools can cause hearing damage.
- **Wear Hand Protection:** Use appropriate gloves to protect hands from vibration and potential pinch points.
- **Secure Workpiece:** Ensure the workpiece is stable and secured before operating the wrench.
- **Disconnect Air Supply:** Always disconnect the air supply before changing accessories, performing maintenance, or when the tool is not in use.
- **Maintain Proper Air Pressure:** Do not exceed the recommended maximum air pressure for the tool.
- **Inspect Tool:** Before each use, inspect the tool for any damage, loose parts, or air leaks. Do not use a damaged tool.
- **Keep Work Area Clear:** Ensure the work area is well-lit and free from obstructions.
- **Avoid Accidental Starting:** Ensure the trigger is not engaged when connecting to the air supply.
- **Use Correct Sockets:** Only use impact-rated sockets with this tool.

3. PRODUCT OVERVIEW

The Bahco BP815 is a powerful pneumatic impact wrench. Familiarize yourself with its main components:

- **Square Drive Anvil:** For attaching impact sockets.
- **Trigger:** Activates the tool.
- **Forward/Reverse Selector:** Changes the direction of rotation.
- **Air Inlet:** Connection point for the air hose.
- **Exhaust Port:** Releases spent air.
- **Torque Adjustment Dial (if present):** Allows for setting different torque levels.



Image 1: Bahco BP815 Pneumatic Impact Wrench. This image shows the overall design of the impact wrench, highlighting its compact form and ergonomic grip.

4. SETUP

1. **Air Supply Connection:** Connect the air inlet of the wrench to a clean, dry, regulated air supply using an appropriate air hose and quick-connect fitting. Ensure the air compressor is capable of providing sufficient airflow (CFM) and pressure (PSI) for the tool's requirements.
2. **Lubrication:** Before first use and regularly thereafter, add a few drops of pneumatic tool oil into the air inlet. This lubricates the internal components and extends tool life.
3. **Air Pressure Adjustment:** Set the air pressure regulator on your compressor to the recommended operating

pressure, typically between 90-100 PSI (6.2-6.9 bar). Do not exceed the maximum operating pressure specified for the BP815.

- 4. **Socket Attachment:** Select the correct impact-rated socket for your application. Push the socket firmly onto the square drive anvil until it locks securely.

5. OPERATING INSTRUCTIONS

5.1. Direction Control

The forward/reverse selector allows you to change the rotation direction of the anvil. Move the selector to the desired position for tightening (forward) or loosening (reverse) fasteners. Always ensure the tool has come to a complete stop before changing direction.

5.2. Torque Application

The Bahco BP815 provides a torque range of 320 - 620 Nm. While the tool delivers significant torque, it is recommended to use a torque wrench for final tightening to achieve precise torque specifications, especially for critical applications. Avoid over-tightening fasteners.

5.3. General Operation

1. Attach the appropriate impact socket to the anvil.
2. Place the socket onto the fastener.
3. Select the desired direction (forward for tightening, reverse for loosening).
4. Press the trigger to operate the tool. Apply steady pressure to the tool to prevent it from kicking back.
5. Release the trigger to stop the tool.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your Bahco BP815 impact wrench.

- **Lubrication:** Add a few drops of high-quality pneumatic tool oil to the air inlet before each use or after every hour of continuous operation. This is crucial for the internal twin hammer mechanism. The design allows for easy lubrication without dismantling the housing.
- **Air Filter:** Regularly check and clean or replace the air filter in your air supply system to prevent contaminants from entering the tool.
- **Cleaning:** Keep the tool clean and free from dirt and debris. Use a soft, dry cloth. Do not use solvents that may damage the composite housing.
- **Storage:** Store the tool in a dry, clean environment when not in use. Disconnect it from the air supply.
- **Inspection:** Periodically inspect the tool for worn or damaged parts. Any repairs should be performed by qualified service personnel.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool not operating or low power	Low air pressure; insufficient air flow; lack of lubrication; clogged air filter; internal wear.	Check air compressor pressure and CFM; add pneumatic tool oil; clean/replace air filter; inspect air hose for kinks or leaks; contact service for internal issues.

Problem	Possible Cause	Solution
Air leaking from tool	Loose fittings; worn O-rings or seals.	Tighten all air fittings; replace worn seals or O-rings.
Excessive vibration	Worn internal components; damaged socket.	Inspect socket for damage; contact service for internal component inspection.

8. SPECIFICATIONS

Feature	Detail
Model Number	BP815
Brand	Bahco
Operation Mode	Pneumatic
Torque Range	320 - 620 Nm
Material	Steel (or a steel alloy)
Item Weight	1.95 Kilograms (4.29 pounds)
Product Dimensions	8.27 x 8.46 x 3.15 inches
Head Style	Square Drive
Finish Type	Powder Coated
Included Components	Impact wrench

9. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the warranty card included with your product or visit the official Bahco website. For technical support, spare parts, or service inquiries, please contact your local Bahco dealer or authorized service center. Keep your purchase receipt as proof of purchase.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for

conversion attribution. [Privacy details](#).

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.

Submit question