

PORTER-CABLE BN200SB

PORTER-CABLE BN200SB 18 Gauge 2-inch Brad Nailer Instruction Manual

Model: BN200SB

1. INTRODUCTION

This manual provides essential information for the safe operation, maintenance, and troubleshooting of your PORTER-CABLE BN200SB 18 Gauge 2-inch Brad Nailer. Please read and understand all instructions before using the tool. Retain this manual for future reference.

The PORTER-CABLE BN200SB is designed for driving 18-gauge brad nails from 5/8 inches to 2 inches in length. It is suitable for applications such as interior trim, crafts, and paneling.

2. SAFETY INFORMATION

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

General Safety Rules:

- Always wear eye protection that conforms to ANSI Z87.1 and hearing protection when operating this tool.
- Never point the tool at yourself or others.
- Disconnect the air supply before making adjustments, clearing jams, or servicing the tool.
- Do not exceed the maximum recommended air pressure.
- Keep hands and body parts away from the discharge area of the tool.
- Ensure the workpiece is stable and secured before nailing.
- Operate the tool in a well-lit and clear work area.
- Do not operate the tool if you are tired or under the influence of drugs, alcohol, or medication.
- Keep children and bystanders away from the operating area.

Specific Nailer Safety:

- Never use oxygen, combustible gases, or bottled gases as a power source for this tool.
 - Always assume the tool contains fasteners.
 - Do not carry the tool with your finger on the trigger.
 - Check for live electrical wires, water pipes, or other obstructions behind the work surface before nailing.
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3. PRODUCT FEATURES

- **Model:** BN200SB
 - **Nail Type:** 18 Gauge Brad Nails
 - **Nail Length Range:** 5/8 inch to 2 inches
 - **Power Source:** Air-powered (Pneumatic)
 - **Depth Adjustment:** Tool-free depth of drive adjustment for consistent nail head setting.
 - **Applications:** Ideal for interior trim, crafts, and paneling.
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4. SETUP

4.1 Unpacking

Carefully remove the nailer and all accessories from the packaging. Inspect the tool for any damage that may have occurred during shipping. If any damage is found, do not operate the tool and contact customer service.

4.2 Connecting to Air Compressor

1. Ensure the air compressor is turned off and the air tank is drained.
2. Attach an air hose (minimum 1/4 inch inner diameter) to the air inlet fitting on the nailer. A quick-connect coupler is recommended.
3. Set the air compressor regulator to the recommended operating pressure, typically between 70-120 PSI (pounds per square inch). Do not exceed 120 PSI.
4. Turn on the air compressor and allow it to build pressure.
5. Check all connections for air leaks.



Figure 1: The Porter-Cable BN200SB Brad Nailer. Note the air inlet fitting at the rear of the handle for connecting to an air compressor.

4.3 Loading Nails

1. **Disconnect the air supply before loading nails.**
2. Pull back the magazine follower until it locks in the open position.
3. Insert a strip of 18-gauge brad nails into the magazine with the points facing down. Ensure the nails are the correct length (5/8 inch to 2 inches) for the tool.
4. Release the magazine follower, allowing it to push the nails forward until they are seated against the nosepiece.
5. Reconnect the air supply.



Figure 2: The Porter-Cable BN200SB Brad Nailer shown with a box of 18-gauge brad nails, illustrating the type of fasteners used with this tool.

5. OPERATING INSTRUCTIONS

5.1 Adjusting Depth of Drive

The BN200SB features a tool-free depth of drive adjustment. Locate the adjustment dial or lever near the nosepiece. Rotate the dial or move the lever to increase or decrease the nail's penetration depth. Test on a scrap piece of material to achieve the desired depth before working on your project.

5.2 Firing the Nailer

1. Ensure all safety precautions are followed.
2. Place the nosepiece firmly against the workpiece where the nail is to be driven.
3. Press the trigger to fire a nail. The tool is equipped with a contact trip mechanism, meaning the nosepiece must be depressed against the surface for the tool to fire.
4. For continuous nailing, keep the trigger depressed and move the tool along the workpiece, depressing the nosepiece at each desired nailing point.
5. Always maintain a firm grip on the tool.

5.3 Clearing Jams

WARNING: Disconnect the air supply before attempting to clear any jams.

If a nail jam occurs:

1. Disconnect the air hose from the tool.
2. Remove any remaining nails from the magazine.
3. Carefully inspect the nosepiece and magazine for the jammed nail.
4. Use pliers or a screwdriver to gently remove the jammed nail. Avoid forcing it, as this can damage the tool.
5. Once the jam is cleared, reload nails and reconnect the air supply. Test the tool on a scrap piece of material.
6. *Note:* This model does not feature a quick-release nosepiece for jam clearing, requiring careful attention during this process.

6. MAINTENANCE

WARNING: Disconnect the air supply before performing any maintenance.

6.1 Lubrication

Apply 3-5 drops of pneumatic tool oil into the air inlet daily or before each use. This lubricates internal components and extends tool life. Do not use detergent oil or automotive oil.

6.2 Cleaning

- Keep the tool clean and free of debris. Wipe down the exterior with a clean cloth.
- Periodically clean the magazine to ensure smooth nail feeding.
- Ensure the nosepiece area is free of glue or wood particles.

6.3 Inspection

- Regularly inspect the air hose for wear, cuts, or leaks. Replace damaged hoses immediately.
- Check all screws and fasteners for tightness. Tighten as necessary.
- Inspect the trigger and safety mechanisms to ensure they are functioning correctly.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not fire	• No air supply or low air pressure • No nails in magazine • Nosepiece not fully depressed • Safety mechanism engaged	• Check air hose connection and compressor pressure. • Load nails. • Ensure nosepiece is firmly against workpiece. • Check trigger and contact trip for proper function.
Nails jam frequently	• Incorrect nail size or type • Damaged nails • Low air pressure • Dirty magazine or nosepiece	• Use only 18-gauge brad nails, 5/8" to 2" length. • Inspect nails for damage before loading. • Increase air pressure within recommended range. • Clean magazine and nosepiece.

Problem	Possible Cause	Solution
Nails not driven flush	• Low air pressure • Depth adjustment set too shallow • Worn driver blade	• Increase air pressure. • Adjust depth of drive deeper. • Contact a qualified service center for inspection.
Air leaks	• Loose fittings • Damaged O-rings or seals	• Tighten all air fittings. • Contact a qualified service center for repair.

8. SPECIFICATIONS

Feature	Detail
Model Number	BN200SB
Brand	PORTER-CABLE
Nail Gauge	18 Gauge
Nail Length Range	5/8 inch to 2 inches
Power Source	Air-powered (Pneumatic)
Item Weight	3.04 pounds
Product Dimensions	11.1 x 2.24 x 10.32 inches
Manufacturer	Porter Cable

9. WARRANTY AND SUPPORT

This product may have been sold as a refurbished item. Warranty coverage for refurbished products can vary. Please refer to the specific warranty terms provided by your seller at the time of purchase, or contact PORTER-CABLE directly for information regarding their refurbished product warranty policy.

For technical assistance, parts, or service, please contact PORTER-CABLE customer support or visit their official website. Have your model number (BN200SB) and serial number (if applicable) ready when contacting support.

PORTER-CABLE Official Website: www.portercable.com (Please verify current URL)

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