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› BOSTITCH 23 Gauge 2-Inch Pin Nailer (Model BTFP2350K) Instruction Manual

Bostitch BTFP2350K

BOSTITCH 23 Gauge 2-Inch Pin Nailer (Model BTFP2350K) Instruction Manual

This manual provides detailed instructions for the safe and effective operation, setup, maintenance, and troubleshooting of the BOSTITCH 23 Gauge 2-Inch Pin Nailer, model BTFP2350K.

1. INTRODUCTION

The BOSTITCH BTFP2350K 23 Gauge 2-Inch Pin Nailer is a pneumatic tool designed for precision fastening in woodworking and finish carpentry applications. It is capable of driving 23 gauge headless pin nails ranging from 5/8-inch to 2-inch in length, suitable for materials such as oak and other dense woods. This tool features an oil-free operation, tool-free jam release, and tool-free depth adjustment for enhanced user convenience and efficiency.



Image 1.1: The BOSTITCH 23 Gauge 2-Inch Pin Nailer, Model BTFP2350K. This image shows the overall design of the nailer, highlighting its compact and ergonomic form factor.

2. IMPORTANT SAFETY INFORMATION

WARNING: Read and understand all tool labels and this manual before operation. Failure to follow these instructions may result in serious injury or death.

- Always wear ANSI Z87.1 approved safety glasses with side shields when operating or servicing the tool.
- Disconnect the air supply from the tool when clearing jams, performing maintenance, or when the tool is not in use.
- Keep fingers away from the trigger when not actively driving fasteners.

- Never use oxygen or other bottled gases as a power source for this tool. Use only clean, dry compressed air.
- Do not exceed the maximum operating pressure of 120 psi (8.4 bar).
- Ensure the triggering method is appropriate for your application. Refer to the manual for trigger options.
- Keep the work area clean and well-lit. Cluttered or dark areas invite accidents.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.
- Always maintain proper footing and balance. Do not overreach.



Image 2.1: Side view of the nailer showing safety warnings printed on the tool body. These warnings emphasize the importance of reading the manual, wearing eye protection, and disconnecting air during maintenance.

3. PRODUCT COMPONENTS

Familiarize yourself with the key components of your BOSTITCH Pin Nailer:

- **Air Inlet:** Connects to the air compressor hose.
- **Trigger:** Activates the firing mechanism. Features a safety trigger.

- **Magazine:** Holds the strip of pin nails.
- **Nosepiece:** The part of the tool that contacts the workpiece and guides the nail.
- **Depth Adjustment Dial:** Allows for tool-free adjustment of nail depth.
- **Jam Release Latch:** Provides tool-free access to clear nail jams.
- **Low Nail Lockout:** Prevents dry firing when the magazine is nearly empty and alerts the user to reload.
- **Reversible Belt Hook:** For convenient carrying on the jobsite.



Image 3.1: Close-up view of the nailer's nose area, highlighting the tool-free depth adjustment dial and the jam release mechanism. This design allows for quick adjustments and maintenance without additional tools.

4. SETUP AND PREPARATION

4.1. Connecting Air Supply

1. Ensure your air compressor is off and the air tank is drained.
2. Connect an air hose to the nailer's air inlet. Ensure the connection is secure.
3. Set your air compressor's regulator to the recommended operating pressure (typically between 70-120 psi, refer to specifications for exact range).
4. Turn on the air compressor and allow it to build pressure.
5. Check for any air leaks at the connections.

4.2. Loading Pin Nails

1. Disconnect the air supply from the nailer for safety.
2. Pull back the magazine follower until it locks in the open position.
3. Insert a strip of 23 gauge headless pin nails into the magazine with the points facing forward. The nail lengths can range from 5/8-inch to 2-inch.
4. Release the magazine follower, allowing it to gently push the nails forward. Ensure nails are seated correctly.
5. Reconnect the air supply.

5. OPERATING INSTRUCTIONS

5.1. Adjusting Nail Depth

The BOSTITCH BTFP2350K features a tool-free depth adjustment dial. To adjust the nail depth:

1. Disconnect the air supply before making adjustments.
2. Locate the depth adjustment dial near the nosepiece.
3. Rotate the dial to increase or decrease the depth at which the nail is driven. Test on a scrap piece of material to achieve the desired depth.
4. Reconnect the air supply.

5.2. Driving Nails

Always wear safety glasses and ensure the air supply is connected and set to the correct pressure.

1. Hold the nailer firmly against the workpiece, ensuring the nosepiece is flush with the surface.
2. Engage the safety trigger (if applicable to your model's trigger type).
3. Press the trigger to drive a nail. The tool is designed to drive 23 gauge, 2-inch nails recessed into dense wood.
4. Release the trigger after each nail.
5. The low nail lockout feature will prevent the tool from firing when the magazine is nearly empty, indicating it's time to reload.



Image 5.1: A user demonstrating the proper technique for operating the BOSTITCH Pin Nailer on a woodworking project. The user is wearing appropriate safety glasses.

6. MAINTENANCE

6.1. Clearing Nail Jams

The BTFP2350K features a tool-free jam release mechanism for quick and easy clearing of jammed nails.

1. **IMPORTANT:** Disconnect the air supply from the nailer immediately.
2. Locate the jam release latch near the nosepiece.
3. Open the jam release latch to expose the nail path.
4. Carefully remove any jammed nails or debris using pliers or a similar tool. Do not use excessive force.
5. Close the jam release latch securely.
6. Reconnect the air supply and test the tool on a scrap piece of material.

6.2. Oil-Free Operation

This BOSTITCH Pin Nailer is designed for oil-free operation. This eliminates the need for daily oiling and reduces the risk of oil stains on your work surface. Do not attempt to lubricate the internal components with oil.

6.3. General Cleaning

- Keep the tool clean and free of debris. Use a clean, dry cloth to wipe down the exterior.
- Periodically check the air inlet filter for blockages and clean if necessary.
- Inspect the nosepiece and magazine for any wear or damage. Replace worn parts as needed.

7. TROUBLESHOOTING

Refer to the table below for common issues and their potential solutions.

Problem	Possible Cause	Solution
Nailer does not fire	No air supply Low air pressure Magazine empty Nail jam Safety trigger not engaged	Connect air supply Increase air pressure to recommended range Reload nails Clear nail jam (see Section 6.1) Ensure safety trigger is fully engaged
Nails not driving fully	Low air pressure Depth adjustment set too shallow Worn driver blade	Increase air pressure Adjust depth setting deeper (see Section 5.1) Contact authorized service center for blade replacement
Nail jams frequently	Incorrect nail size/type Damaged nails Worn magazine or nosepiece Low air pressure	Use only 23 gauge headless pin nails (5/8" to 2") Use new, undamaged nails Inspect and replace worn parts Ensure adequate air pressure
Air leaks	Loose air fittings Damaged O-rings/seals	Tighten all air connections Contact authorized service center for seal replacement

8. TECHNICAL SPECIFICATIONS

Feature	Specification
Manufacturer	BOSTITCH
Model Number	BTFP2350K
Power Source	Air Powered (Pneumatic)
Nail Gauge	23 Gauge
Nail Length Capacity	5/8-inch to 2-inch
Operating Pressure	Refer to tool label for specific range (typically 70-120 psi)
Oil-Free Operation	Yes

Feature	Specification
Jam Release	Tool-free
Depth Adjustment	Tool-free
Item Weight	4.07 pounds
Product Dimensions	9.81 x 2.69 x 10.28 inches

9. WARRANTY AND SUPPORT

This BOSTITCH product comes with a manufacturer's warranty. For specific details regarding the warranty period, coverage, and terms, please refer to the warranty card included with your product or visit the official BOSTITCH website. For technical support, service, or to order replacement parts, please contact BOSTITCH customer service directly.

Manufacturer: BOSTITCH

Website: www.bostitch.com (Please check for regional variations)

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