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› Bostitch /

› BOSTITCH 16GA Smart Point Pneumatic Finish Nailer Kit (BTFP71917) Instruction Manual

Bostitch BTFP71917

BOSTITCH 16GA Smart Point Pneumatic Finish Nailer Kit

Model: BTFP71917

1. INTRODUCTION AND OVERVIEW

This manual provides instructions for the safe operation and maintenance of your BOSTITCH 16GA Smart Point Pneumatic Finish Nailer Kit, model BTFP71917. This tool is designed for driving 16 gauge finish nails for various woodworking and trim applications, ensuring efficiency and precision.



Image 1.1: The BOSTITCH 16GA Smart Point Pneumatic Finish Nailer Kit, showcasing its ergonomic design and key features.

Key Features:

- Drives 16 GA finish nails from 1-1/4 inches to 2-1/2 inches in length.
- Oil-free operation for reduced maintenance and minimized risk of oil stains on work surfaces.
- Tool-free jam release mechanism for quick and easy nail removal.
- Dial-A-Depth control for precise countersinking of nails, ensuring a clean finish.
- Selectable trigger system allows for switching between sequential (single shot) and contact (bump fire) actuation modes.
- Rear air exhaust directs air away from the work area.
- Integrated belt hook with a built-in pencil sharpener for convenience.

2. SAFETY INFORMATION

Always adhere to fundamental safety practices when operating power tools to prevent personal injury and damage to property. Read and understand all safety warnings and instructions before using this nailer.

General Safety Guidelines:

- **Eye Protection:** Always wear ANSI Z87.1 compliant safety glasses with side shields.
- **Hearing Protection:** Wear hearing protection during operation to prevent noise-induced hearing loss.
- **Respiratory Protection:** Wear a dust mask in dusty environments.
- **Proper Air Pressure:** Ensure the air compressor is regulated to the recommended operating pressure (70-120 PSI). Never exceed the maximum operating pressure.
- **Disconnect Air Supply:** Always disconnect the air supply before making adjustments, clearing jams, servicing, or when the tool is not in use.
- **Keep Hands Clear:** Never place hands or other body parts near the discharge opening or the work contact element.
- **Secure Workpiece:** Ensure the workpiece is stable and secured before fastening.
- **Avoid Accidental Firing:** Never carry the tool with a finger on the trigger.
- **Inspect Tool:** Before each use, inspect the tool for damaged parts, loose fasteners, or any other condition that may affect its safe operation.
- **Use Correct Fasteners:** Only use 16 gauge finish nails within the specified length range (1-1/4" to 2-1/2").

3. PACKAGE CONTENTS

Verify that all items listed below are present in your kit upon unboxing:

- BOSTITCH 16GA Smart Point Pneumatic Finish Nailer (Model BTFP71917)
- 1/4-inch Air Fitting
- Durable Carrying Case
- Extra No-Mar Tips

4. SETUP

4.1. Connecting to Air Supply

1. Ensure your air compressor is turned off and its regulator is set to the appropriate operating pressure (typically between 70-120 PSI).
2. Attach the provided 1/4-inch air fitting to the nailer's air inlet. Use thread sealant for a secure, leak-free connection.
3. Connect your air hose to the air fitting on the nailer.
4. Turn on the air compressor and allow it to build pressure. Check all connections for air leaks.

4.2. Loading Fasteners

1. Disconnect the nailer from the air supply.
2. Locate and open the nail magazine.
3. Insert a strip of 16 GA finish nails into the magazine. Ensure the nails are within the specified length range (1-1/4" to 2-1/2") and oriented correctly.
4. Close the magazine securely until it latches.
5. Reconnect the air supply.

4.3. Adjusting Depth (Dial-A-Depth)

1. Locate the Dial-A-Depth adjustment knob on the tool.
2. Before working on your final material, test the depth setting on a scrap piece of similar material.
3. Turn the dial to increase or decrease the nail's driving depth. Adjust until the nail head is flush with or slightly countersunk below the material surface.

4.4. Selecting Trigger Mode

1. Identify the selectable trigger switch on the nailer.
2. Choose between **Sequential Actuation** (single shot) for precise, controlled fastening, or **Contact Actuation** (bump fire) for faster, repetitive fastening.
3. Always ensure the desired mode is selected before beginning work.

5. OPERATING INSTRUCTIONS

5.1. General Operation

1. Hold the nailer firmly with both hands if possible, or with a secure grip.
2. Place the Smart Point tip squarely on the workpiece where the nail is to be driven.
3. Depress the safety contact element against the material.
4. Pull the trigger to drive the nail.



Image 5.1: Proper technique for using the nailer on door trim, demonstrating precise placement.

5.2. Smart Point Tip Usage

The Smart Point tip is designed for improved visibility and reduced marring. Ensure the tip is fully and firmly depressed against the work surface before pulling the trigger. This activates the safety mechanism and allows for accurate nail placement.

5.3. Driving Nails

Maintain a consistent, firm grip and apply steady pressure to the tool. If nails are not driving to the desired depth, refer to the 'Adjusting Depth' section (4.3) or the 'Troubleshooting' section (7) for guidance.



Image 5.2: Applying the nailer to secure baseboard, illustrating practical application.

6. MAINTENANCE

6.1. Oil-Free Operation

This BOSTITCH nailer is engineered for oil-free operation. **Do not add oil to the air inlet or any internal components.** Adding oil can damage the tool and void the warranty.

6.2. Clearing Jams (Tool-Free Jam Release)

1. **Immediately disconnect the nailer from the air supply.**
2. Locate and open the tool-free jam release mechanism, typically found near the nose of the tool.
3. Carefully remove any jammed or bent nails using pliers if necessary. Ensure all fragments are cleared.
4. Close the jam release mechanism securely.
5. Reconnect the air supply and test the tool on a scrap piece of material.

6.3. General Cleaning and Storage

- Keep the tool clean and free of dust, debris, and resin buildup. Use a dry cloth or compressed air for cleaning.
- Regularly inspect air fittings and the air hose for signs of wear or damage. Replace as needed.
- Store the nailer in its carrying case in a dry, secure location when not in use.

7. TROUBLESHOOTING

This section addresses common issues you might encounter during operation. If you experience a problem not listed here, or if the suggested solutions do not resolve the issue, contact BOSTITCH customer service.

Problem	Possible Cause	Solution
Nailer fails to fire	No air supply; Low air pressure; Empty magazine; Jammed nail; Safety contact not fully depressed.	Check air hose connection; Increase air pressure; Reload nails; Clear jam (Section 6.2); Ensure tool tip is firmly against workpiece.
Nails not driving fully	Low air pressure; Depth adjustment too shallow; Incorrect nail length; Worn driver blade.	Increase air pressure; Adjust depth setting (Section 4.3); Use correct nail length; Contact service for blade replacement.
Nails driving too deep	High air pressure; Depth adjustment too deep.	Decrease air pressure; Adjust depth setting (Section 4.3).
Jams occur frequently	Incorrect nail size/type; Bent or damaged nails; Dirty magazine; Worn driver blade.	Use recommended 16 GA nails; Inspect nails before loading; Clean magazine; Contact service for blade replacement.
Air leaks from tool	Loose air fittings; Damaged O-rings or seals.	Tighten air fittings; Contact service for O-ring/seal replacement.

8. SPECIFICATIONS

Feature	Detail
Manufacturer	BOSTITCH
Model Number	BTFP71917
Item Weight	7.34 pounds
Product Dimensions	14.4 x 14 x 5.4 inches
Power Source	Air Powered
Nail Gauge	16 GA
Nail Length Capacity	1-1/4 inches to 2-1/2 inches
Operation	Oil-free
Trigger System	Selectable (Sequential/Contact)
Included Components	Nailer, 1/4" Air Fitting, Carrying Case, Extra No-Mar Tips

9. WARRANTY AND SUPPORT

9.1. Warranty Information

This BOSTITCH product is covered by a **7-year limited manufacturer's warranty** for consumer use. For tools used in production applications, a **1-year limited warranty** applies. This warranty covers defects in material or workmanship. Please retain your proof of purchase for warranty claims.

9.2. Customer Support

For technical assistance, warranty claims, or to inquire about replacement parts, please contact BOSTITCH customer service. You can typically find contact information and additional resources on the official BOSTITCH website or through your product retailer.