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TOTAL TAT81501

Total TAT81501 Pneumatic Brad Nailer Instruction Manual

Model: TAT81501

1. Introduction

This manual provides essential instructions for the safe operation, setup, maintenance, and troubleshooting of your Total TAT81501 Pneumatic Brad Nailer. Please read this manual thoroughly before using the tool to ensure proper function and to prevent injury.

The Total TAT81501 is a versatile pneumatic tool designed for fastening applications in wood, such as staining and corking. It operates using compressed air and is capable of driving both brad nails and staples.

Included in the box:

- Total TAT81501 Pneumatic Brad Nailer
- 1000 Brad Nails
- 1000 Staples

2. General Safety Instructions

Always observe basic safety precautions when using power tools to reduce the risk of fire, electric shock, and personal injury. Keep this manual for future reference.

- **Eye Protection:** Always wear ANSI Z87.1 approved safety glasses with side shields.
- **Hearing Protection:** Wear hearing protection during operation.
- **Hand Protection:** Wear appropriate gloves to protect hands.
- **Work Area:** Keep the work area clean and well-lit. Cluttered or dark areas invite accidents.
- **Children and Bystanders:** Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.
- **Air Supply:** Ensure the air compressor is properly maintained and set to the correct pressure range (4-7 BAR). Never exceed the maximum recommended operating pressure.
- **Disconnect Air:** Always disconnect the air supply before making adjustments, clearing jams, servicing, or when the tool is not in use.
- **Tool Handling:** Never point the tool at yourself or others. Keep fingers away from the trigger when not actively fastening.
- **Secure Workpiece:** Always secure the workpiece to prevent movement during fastening.
- **Inspect Tool:** Before each use, inspect the tool for any damaged parts. Do not use if damaged.

3. Product Components

Familiarize yourself with the main parts of your Total TAT81501 Pneumatic Brad Nailer:



Image 1: Overview of the Total TAT81501 Pneumatic Brad Nailer. This image displays the tool's main body, handle, air inlet, trigger, and magazine. The model number TAT81501 is visible on the side, along with specifications for nail and staple sizes.

- **Air Inlet:** Connection point for the air hose from the compressor.
- **Trigger:** Activates the firing mechanism.
- **Magazine:** Holds the brad nails or staples.
- **Nose Piece:** The part of the tool that contacts the workpiece and guides the fastener.
- **Depth Adjustment (if applicable):** Mechanism to control the depth of fastener penetration (not explicitly detailed for this

model, but common).

- **Fastener Indicator:** A visual gauge on the magazine showing the remaining fastener count.

4. Setup and Loading Fasteners

4.1 Connecting to Air Supply

1. Ensure your air compressor is turned off and the air tank is drained.
2. Attach an air hose (not included) to the air inlet of the nailer. Ensure a secure connection.
3. Set the air compressor's regulator to an operating pressure between 4 and 7 BAR (60-100 PSI). Do not exceed 7 BAR.
4. Turn on the air compressor and allow it to build pressure.
5. Check for any air leaks at the connections.

4.2 Loading Brad Nails

The tool accepts Ga18 brad nails from 15mm to 50mm (1.25mm x 1.0mm cross-section).

1. Disconnect the air supply from the tool for safety.
2. Pull back the magazine follower until it locks in the open position.
3. Insert a strip of brad nails into the magazine with the points facing down.
4. Release the magazine follower, allowing it to push the nails forward.
5. Reconnect the air supply.

4.3 Loading Staples

The tool accepts Ga18 staples from 16mm to 40mm (1.25mm x 1.0mm cross-section) with a crown size of 5.7mm.

1. Disconnect the air supply from the tool for safety.
2. Pull back the magazine follower until it locks in the open position.
3. Insert a strip of staples into the magazine with the points facing down.
4. Release the magazine follower, allowing it to push the staples forward.
5. Reconnect the air supply.

5. Operating Instructions

Before operating, ensure all safety precautions are followed and the tool is properly loaded with fasteners.

1. **Hold the Tool:** Grip the tool firmly with both hands.
2. **Positioning:** Place the nose piece of the nailer firmly against the workpiece where the fastener is to be driven. Ensure the tool is perpendicular to the surface.
3. **Firing:** Depress the trigger to drive a fastener. The tool may have a sequential firing mode (trigger must be depressed after nose piece contact) or a contact firing mode (fastener fires upon contact if trigger is held). Refer to the tool's specific mechanism for safe operation.
4. **Check Fastener Depth:** After driving a few fasteners, check the depth of penetration. If fasteners are too deep or not deep enough, adjust the air pressure on your compressor or use the tool's depth adjustment feature if available.
5. **Continuous Use:** For continuous fastening, maintain firm contact with the workpiece and depress the trigger as needed.
6. **Empty Magazine:** When the fastener indicator shows the magazine is nearly empty, disconnect the air supply and reload fasteners. Do not dry-fire the tool.

6. Maintenance

Regular maintenance ensures the longevity and safe operation of your pneumatic nailer.

- **Disconnect Air:** Always disconnect the air supply before performing any maintenance.
- **Lubrication:** Apply a few drops of pneumatic tool oil into the air inlet daily or before each use. This lubricates internal components.
- **Cleaning:** Keep the tool clean and free of debris. Use compressed air to blow out dust from the magazine and nose piece area.
- **Inspect Fastener Path:** Periodically check the fastener path for any obstructions or wear.
- **Check for Leaks:** Regularly inspect air connections and hoses for leaks.
- **Storage:** Store the tool in a clean, dry place away from direct sunlight and extreme temperatures. Disconnect from air supply and remove all fasteners before storage.

7. Troubleshooting

This section addresses common issues you might encounter with your pneumatic nailer.

Problem	Possible Cause	Solution
Tool does not fire or fires weakly.	Low air pressure; Air leak; Empty magazine; Fastener jam.	Increase air pressure (4-7 BAR); Check air connections; Reload fasteners; Clear jam.
Fasteners not driven flush or too deep.	Incorrect air pressure; Incorrect fastener length for material; Depth adjustment setting.	Adjust air pressure; Ensure correct fastener length; Adjust depth setting (if available).
Fastener jam.	Damaged fasteners; Incorrect fastener size; Debris in magazine.	**Disconnect air supply.** Open magazine, remove fasteners, clear debris. Use only recommended fasteners.
Air leaks from tool.	Loose connections; Worn O-rings or seals.	Tighten connections. If leaks persist, contact qualified service personnel.

8. Technical Specifications

- **Model:** TAT81501
- **Brand:** TOTAL
- **Nail Size:** Ga18 Brad Nail, 15-50mm (1.25mm x 1.0mm)
- **Staple Size:** Ga18 Staple, 16-40mm (1.25mm x 1.0mm), Crown Size: 5.7mm
- **Operating Pressure:** 4-7 BAR (60-100 PSI)
- **Item Weight:** 2.49 kg
- **Package Dimensions:** 27.5 x 26.3 x 6.2 cm

9. Warranty Information

This Total TAT81501 Pneumatic Brad Nailer comes with a **1-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from misuse, abuse, unauthorized repairs, or normal wear and tear. Please retain your proof of purchase for warranty claims.

10. Customer Support

For technical assistance, spare parts, or warranty claims, please contact your retailer or the authorized Total service center in your

region. Provide the model number (TAT81501) and serial number (if applicable) when contacting support.

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