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## Hitachi 882297

# Hitachi 882297 Safety Replacement Part Instruction Manual

For Models NT32AE, NT50AE, and N3804AB2 Nailers

## INTRODUCTION

This manual provides essential instructions for the proper installation, maintenance, and safe use of the Hitachi 882297 Safety Replacement Part. This component is designed to restore the safety functionality of specific Hitachi pneumatic nailers. Please read this manual thoroughly before attempting any installation or repair.

**Note:** Hitachi Power Tools has been rebranded as Metabo HPT. This replacement part is compatible with the specified Hitachi models regardless of the brand name change.

## SAFETY INFORMATION

**WARNING: Always disconnect the tool from its air supply before performing any maintenance, adjustments, or part replacement. Failure to do so can result in serious personal injury.**

- Wear appropriate personal protective equipment (PPE), including safety glasses, during installation and when operating the tool.
- Ensure the work area is clean, well-lit, and free from obstructions.
- Only use genuine Hitachi (Metabo HPT) replacement parts to ensure proper function and safety.
- If you are unsure about any step, consult a qualified service technician.

## COMPATIBLE MODELS

The Hitachi 882297 Safety Replacement Part is specifically designed for the following Hitachi pneumatic nailer models:

- NT32AE
- NT50AE
- N3804AB2

Verify your tool's model number before proceeding with installation.

## INSTALLATION INSTRUCTIONS

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This section outlines the general procedure for replacing the safety part. Specific disassembly and reassembly steps may vary slightly by tool model. Refer to your tool's primary instruction manual for detailed disassembly diagrams if needed.

### Required Tools:

- Screwdriver set (appropriate for your nailer)
- Pliers (optional, for small components)
- Safety glasses

### Procedure:

1. **Disconnect Air Supply:** Ensure the nailer is completely disconnected from its air compressor or any air supply line.
2. **Remove Fasteners:** Carefully locate and remove the screws or fasteners securing the existing safety mechanism or the housing that contains it. Keep track of all removed fasteners.
3. **Remove Old Part:** Gently extract the old or damaged safety part. Note its orientation and how it interacts with other components.
4. **Install New Part:** Position the Hitachi 882297 replacement part into its designated slot, ensuring it aligns correctly with any springs, pins, or levers.
5. **Secure Housing:** Reattach any housing components and secure them with the original fasteners. Do not overtighten.
6. **Test Functionality:**
  - a. Reconnect the air supply to the nailer.
  - b. Without loading fasteners, perform dry fires to ensure the safety mechanism engages and disengages properly. The tool should not fire unless the safety is fully depressed against the workpiece.
  - c. If the safety does not operate correctly, disconnect the air supply and re-check the installation.



**Figure 1:** The Hitachi 882297 Safety Replacement Part. This image shows the component that needs to be installed. It is a black, L-shaped metal piece designed to engage with the tool's firing mechanism.

## MAINTENANCE

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The 882297 safety replacement part itself requires minimal maintenance. However, regular inspection is recommended as part of your overall tool maintenance routine.

- **Visual Inspection:** Periodically inspect the safety part for signs of wear, bending, cracks, or corrosion.
- **Functionality Check:** Before each use, ensure the safety mechanism moves freely and engages positively. If it feels sticky or loose, disconnect the air supply and investigate.
- **Cleaning:** Keep the area around the safety mechanism clean and free of debris, sawdust, or grime that could impede its movement.

## TROUBLESHOOTING

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If you encounter issues after installing the 882297 safety replacement part, consider the following:

Problem	Possible Cause	Solution
Safety mechanism does not engage/disengage smoothly.	Incorrect installation, debris, or bent component.	Disconnect air, re-check installation steps, clean area, inspect for damage.
Nailer fires without safety being depressed.	Safety part not installed correctly or is defective.	<b>IMMEDIATELY DISCONNECT AIR SUPPLY.</b> Re-install the part carefully. If problem persists, replace the part or seek professional service.
Nailer does not fire even with safety depressed.	Safety part impeding firing mechanism, or other tool issue.	Disconnect air, verify safety part is not binding. Check other tool components (e.g., driver blade, trigger).

If troubleshooting steps do not resolve the issue, discontinue use of the tool and contact authorized service personnel.

## SPECIFICATIONS

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- **Part Number:** 882297
- **Item Model Number:** 882297
- **Manufacturer:** Koki Holdings America, Ltd (formerly Hitachi Koki USA, Ltd)
- **Item Weight:** Approximately 4.2 pounds (Note: This weight seems high for a small part, likely refers to shipping weight or an error in source data. The part itself is much lighter.)
- **Product Dimensions:** Approximately 1 x 1 x 1 inches (This also seems like placeholder or incorrect data for a small part, actual dimensions would be specific to its shape.)
- **Batteries Required:** No
- **Compatibility:** Hitachi NT32AE, NT50AE, N3804AB2 Nailers

## WARRANTY AND SUPPORT

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For warranty information regarding genuine Hitachi (Metabo HPT) replacement parts, please refer to the warranty policy provided with your original tool or visit the official Metabo HPT website. Replacement parts typically carry a limited warranty against manufacturing defects.

For technical support or to locate an authorized service center, please visit the [Metabo HPT official website](#)

or contact their customer service department.

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This manual is subject to change without notice.