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Hitachi 326594

Hitachi 326594 Pushing Spring User Manual

Genuine Replacement Part for CR13VB and CR13V Power Tools

Introduction

This manual provides essential information regarding the Hitachi 326594 Pushing Spring, a genuine replacement component designed for specific Hitachi power tools, including models CR13VB and CR13V. It covers product overview, specifications, installation guidelines, and warranty information to ensure proper use and maintenance of this part.

Safety Information

WARNING:

- Always disconnect the power tool from its power source before attempting any installation, maintenance, or repair.
- Wear appropriate personal protective equipment (PPE), such as safety glasses and gloves, when handling tools and parts.
- If you are unsure about any repair procedure, consult a qualified service technician.
- Use only genuine replacement parts to ensure proper fit, function, and safety.
- Keep small parts away from children.

This product may expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Product Overview

The Hitachi 326594 Pushing Spring is a critical internal component for maintaining the proper function of compatible Hitachi power tools. This spring is designed to provide the necessary tension or return force within the tool's mechanism, ensuring smooth and reliable operation. It is manufactured to Hitachi's specifications for durability and precise fit.





Image: The Hitachi 326594 Pushing Spring, a black coiled metal spring, essential for the internal mechanism of compatible power tools.

Specifications

Attribute	Detail
Part Number	326594
Item Model Number	326594
Brand	Hitachi
Compatible Models	CR13VB, CR13V
Item Weight	0.352 ounces (0.01 Kilograms)
Product Dimensions	7 x 5 x 3 inches (packaging)
Manufacturer	Koki Holdings America, Ltd
UPC	719592655665

Installation (Replacement)

This section provides general guidance for replacing the 326594 Pushing Spring. Specific steps may vary depending on the power tool model. Always refer to your specific tool's service manual for detailed instructions.

1. **Preparation:** Ensure the power tool is disconnected from all power sources (unplugged or battery removed). Clear a clean, well-lit workspace. Gather necessary tools, which may include screwdrivers, wrenches, and pliers.
2. **Disassembly:** Carefully disassemble the power tool to access the area where the pushing spring is located. This typically involves removing outer casings or specific components. Take note of the order of disassembly and the placement of all screws and parts.
3. **Spring Removal:** Locate the old or damaged pushing spring. Carefully remove it, noting its orientation and how it interacts with surrounding components. Springs can be under tension, so exercise caution.
4. **New Spring Installation:** Install the new Hitachi 326594 Pushing Spring in the exact same orientation as the one removed. Ensure it seats correctly and provides the expected tension or movement to the associated parts.
5. **Reassembly:** Reassemble the power tool by reversing the disassembly steps. Ensure all components are correctly aligned and all fasteners are securely tightened. Do not overtighten.
6. **Testing:** Once fully reassembled, perform a functional test of the power tool in a safe environment to ensure the new spring operates correctly and the tool functions as intended.

Operating Principle

The 326594 Pushing Spring functions as a mechanical energy storage device. When a component within the power tool is moved or compressed, the spring stores potential energy. Upon release, this stored energy is converted back into kinetic energy, causing the component to return to its original position or to exert a pushing force. This action is crucial for the proper cycling and operation of various power tool mechanisms.

Maintenance

As a mechanical spring, the 326594 Pushing Spring generally requires minimal maintenance. However, to prolong its lifespan and ensure optimal performance of your power tool:

- **Keep Clean:** During tool maintenance or disassembly, ensure the spring and its surrounding area are free from dirt, debris, and excessive grease or oil buildup.
- **Inspect for Wear:** Periodically inspect the spring for signs of wear, corrosion, deformation, or breakage. Replace the spring if any damage is observed.
- **Proper Lubrication:** If the spring operates in an area requiring lubrication, use only the type and amount of lubricant specified in your power tool's service manual. Excessive lubrication can attract debris.

Troubleshooting

If your power tool is not functioning correctly after replacing the spring, consider the following common issues:

- **Incorrect Installation:** Double-check that the spring is installed in the correct orientation and is properly seated. Refer to your tool's service manual.
- **Other Component Issues:** The malfunction might not be due to the spring itself but another worn or damaged component within the tool. Inspect adjacent parts.
- **Incorrect Part:** Ensure you have installed the correct replacement part (Hitachi 326594) for your specific tool model.

If problems persist, it is recommended to seek assistance from a qualified service technician.

Warranty and Support

Hitachi Power Tools has renamed to Metabo HPT. While the brand name has changed, the commitment to quality and support remains. For warranty information regarding genuine Hitachi replacement parts, please visit the official Metabo HPT website.
For further assistance, technical support, or to locate authorized service centers, please refer to the contact information provided on the official Metabo HPT website or the original documentation that came with your power tool.
Website: metabo-hpt.com

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