Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

Hitachi 325649

Hitachi 325649 Second Gear DH30PC2 Replacement Part Instruction Manual

1. Introduction

This instruction manual provides detailed guidance for the proper installation, operation, and maintenance of the Hitachi 325649 Second Gear, a genuine replacement component specifically designed for the Hitachi DH30PC2 power tool. Adhering to these instructions will help ensure the longevity and optimal performance of your tool.

Important Note: Hitachi Power Tools has transitioned its branding to Metabo HPT. While the name has changed, the quality and compatibility of genuine replacement parts, such as this second gear, remain consistent.



Image: A representative assortment of various power tool replacement parts. This manual specifically addresses the Hitachi 325649 Second Gear for the DH30PC2 model, which is not individually depicted in this general image.

2. Product Overview

The Hitachi 325649 Second Gear is a critical internal component responsible for transmitting power and regulating speed within the DH30PC2 power tool's gearbox. This genuine replacement part is manufactured to precise specifications to ensure seamless integration and restore the tool's original performance characteristics.

- **Part Number:** 325649
- **Compatibility:** Hitachi DH30PC2 Power Tool
- **Function:** Integral to the tool's speed reduction and torque delivery system.

3. Safety Information

Always prioritize safety when working with power tools and their components. Failure to follow safety guidelines can result in injury or damage to the tool.

- **Disconnect Power:** Always unplug the power tool from its power source before attempting any disassembly, installation, or maintenance.
- **Wear Protective Gear:** Use appropriate personal protective equipment (PPE) such as safety glasses and gloves.
- **Use Correct Tools:** Ensure you have the proper tools for disassembly and reassembly to avoid damaging fasteners or components.
- **Work in a Clean Area:** Perform work in a well-lit, clean, and organized workspace to prevent loss of small parts and ensure proper reassembly.
- **Consult a Professional:** If you are unsure about any step of the installation process, consult a qualified service technician.

4. Setup and Installation

Replacing the second gear requires careful disassembly and reassembly of the power tool's gearbox. It is recommended that this procedure be performed by individuals with mechanical aptitude or by a certified service technician.

1. **Tool Disassembly:** Carefully disassemble the Hitachi DH30PC2 power tool according to its specific service manual (not included here) to gain access to the gearbox assembly. Document the location of all screws and components.
2. **Gearbox Access:** Once the gearbox housing is exposed, carefully open it, noting the arrangement of all gears, bearings, and shims.
3. **Old Gear Removal:** Identify the worn or damaged second gear. Gently remove it, taking care not to damage surrounding components or shafts.
4. **New Gear Installation:** Install the new Hitachi 325649 Second Gear into its correct position within the gearbox. Ensure it meshes properly with adjacent gears and that any associated bearings or shims are correctly seated.
5. **Lubrication:** Apply appropriate grease (as specified by Hitachi for the DH30PC2 gearbox) to all gears and moving parts before closing the gearbox.
6. **Reassembly:** Carefully reassemble the gearbox housing and then the entire power tool, ensuring all fasteners are tightened to the manufacturer's specifications. Do not overtighten.

5. Operating Instructions (Post-Installation)

After installing the new second gear, perform the following checks before putting the tool into full operation:

- **Initial Power-Up:** Connect the tool to power. Operate it at its lowest speed setting first, listening for any unusual noises or vibrations.
- **Gradual Load Test:** Gradually increase the speed and apply light load to the tool to confirm smooth operation and proper gear engagement.
- **Performance Check:** Verify that the tool operates at its intended speeds and delivers expected torque.
- **Monitor for Overheating:** During initial use, periodically check the tool's housing for excessive heat, which could indicate friction or improper assembly.

6. Maintenance

Regular maintenance helps extend the life of your power tool and its components.

- **Gearbox Lubrication:** Refer to your DH30PC2 tool's original manual for recommended lubrication intervals and types of grease. Proper lubrication is crucial for gear longevity.
- **Inspection:** Periodically inspect the tool for any signs of wear, loose fasteners, or unusual noises during operation.
- **Cleaning:** Keep the tool's ventilation openings clear of dust and debris to prevent overheating.

7. Troubleshooting

If you encounter issues after replacing the second gear, consider the following:

- **Unusual Noise/Vibration:** This may indicate improper gear meshing, insufficient lubrication, or incorrect seating of bearings/shims. Re-open the gearbox and inspect the assembly.
- **Loss of Power/Intermittent Operation:** Ensure all electrical connections disturbed during disassembly are securely reconnected. Check for any pinched wires.
- **Tool Not Operating:** Verify the power supply and ensure the tool's switch mechanism is functioning correctly. Recheck all internal connections.

If problems persist, discontinue use and seek assistance from a qualified service technician.

8. Specifications

Part Number	325649
Item Model Number	325649
Manufacturer	Koki Holdings America, Ltd
Item Weight	4 ounces
Product Dimensions	1 x 1 x 1 inches
Item Package Quantity	1
Batteries Required?	No
Date First Available	May 8, 2015

9. Warranty Information

Genuine Hitachi replacement parts are typically covered by a limited warranty against defects in materials and workmanship. For specific warranty terms and conditions applicable to the 325649 Second Gear, please refer to the warranty documentation provided with your original Hitachi DH30PC2 power tool or contact Hitachi/Metabo HPT customer service directly. Keep your purchase receipt as proof of purchase.

10. Support and Contact Information

For technical assistance, service inquiries, or to locate an authorized service center, please contact Metabo HPT (formerly Hitachi Power Tools) customer support.

- **Online Support:** Visit the official Metabo HPT website for FAQs, service center locators, and contact forms.
- **Telephone Support:** Refer to your original tool manual or the Metabo HPT website for current customer

service contact numbers.

When contacting support, please have your tool model (DH30PC2) and the replacement part number (325649) readily available.

© 2023 Hitachi / Metabo HPT. All rights reserved. This manual is for informational purposes only.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

https://manuals.plus/asin/B00XF5J5DK

More documents and user manuals: **https://manuals.plus/**