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Hitachi WR16SEWAZ

Hitachi Hikoki 1/2" Impact Driver

Model: WR16SEWAZ

Introduction

Thank you for choosing the Hitachi Hikoki 1/2" Impact Driver, model WR16SEWAZ. This professional-grade tool, part of the evolution from Hitachi to Hikoki, is engineered for high performance and durability. Its brushless motor technology ensures a long lifespan with minimal maintenance. Designed for demanding tasks such as metal construction, wooden frame assembly, and automotive applications like car wheel mounting, this impact driver offers exceptional power, precision, and user comfort.

Safety Instructions

Always observe basic safety precautions when using power tools to reduce the risk of fire, electric shock, and personal injury. Read all instructions before operation.

- Always wear appropriate personal protective equipment, including eye protection, hearing protection, and gloves.
- Ensure your work area is clean, well-lit, and free from obstructions.
- Keep children and bystanders away while operating the tool.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Secure the workpiece before operating the tool.
- Disconnect the power source (battery pack) from the tool before making any adjustments, changing accessories, or storing the tool.
- Avoid accidental starting. Ensure the switch is in the off-position before connecting to a power source or picking up the tool.
- Do not overreach. Maintain proper footing and balance at all times.

Product Overview

Features

- **Brushless Induction Motor:** Carbon-free design for high performance, longevity, and reduced maintenance.
- **Compact and Lightweight:** One of the most compact and lightest tools in its category.

- **High Power Output:** Delivers 360 Nm of tightening torque.
- **Variable Speed Control:** Adjustable to 4 modes of impact and tightening moments for versatile applications.
- **Progressive Start and Brake:** Enhances safety and control during operation.
- **Overflow Protection:** Increases engine life by preventing overload.
- **Ergonomic Design:** Features a compact soft grip and a wide switch for improved user comfort.
- **Durable Construction:** Includes a rubberised front for shock protection and a fixed aluminium gear.
- **Reversible Use:** Compatible with impact sleeves for various tasks.

Components



A detailed view of the Hitachi Hikoki 1/2 inch Impact Driver, model WR16SEWAZ. The tool features a black and green body with a silver

metal housing for the impact mechanism. It has a comfortable soft grip handle and a square drive for sockets. The 'BRUSHLESS' and 'HIKOKI' logos are visible on the side.

- **1/2" Square Drive Anvil:** For attaching sockets.
- **Trigger Switch:** Controls the tool's speed and operation.
- **Forward/Reverse Selector:** Changes the direction of rotation.
- **Mode Selector:** Adjusts between different impact and tightening modes.
- **Soft Grip Handle:** Provides comfortable and secure handling.
- **Belt Hook:** For convenient storage when not in use.

Setup

Before first use, ensure the tool is ready for operation.

1. **Battery Installation:** If applicable, ensure a fully charged battery pack (not included) is securely inserted into the tool's base until it clicks into place.
2. **Accessory Attachment:** Align the desired 1/2" square drive socket with the anvil on the tool and push it firmly until it locks into place.
3. **Mode Selection:** Use the mode selector to choose the appropriate impact and tightening mode for your application. Refer to the 'Operating Instructions' section for details on modes.

Operating Instructions

Follow these steps for safe and effective operation of your impact driver.

1. **Select Rotation Direction:** Use the forward/reverse selector to choose the desired rotation direction (clockwise for tightening, counter-clockwise for loosening).
2. **Choose Operating Mode:** Adjust the mode selector to one of the four available impact and tightening modes. Each mode offers different levels of power and control suitable for various bolt capacities and materials.
3. **Position the Tool:** Place the socket firmly onto the fastener (bolt or nut).
4. **Start Operation:** Press the trigger switch to start the tool. The progressive start feature allows for gradual acceleration, providing better control.
5. **Apply Pressure:** Apply steady, firm pressure to the tool, keeping it aligned with the fastener. The impact mechanism will engage as resistance is met.
6. **Stop Operation:** Release the trigger switch to stop the tool. The progressive brake will quickly halt rotation.

Maintenance

The Hitachi Hikoki Impact Driver is designed for low maintenance due to its brushless motor. However, regular care will ensure optimal performance and longevity.

- **Cleaning:** Keep the tool clean and free from dust and debris. Use a soft, dry cloth to wipe down the exterior. Do not use harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically inspect the tool for any signs of damage, loose screws, or worn parts. Ensure the 1/2" square drive anvil is free from damage.

- **Storage:** Store the tool in a dry, secure location, away from direct sunlight and extreme temperatures.
- **No Carbon Brush Replacement:** As this tool features a brushless motor, there is no need for carbon brush replacement, contributing to its longer maintenance-free life.

Troubleshooting

If you encounter issues with your impact driver, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
Tool does not start.	Battery not charged or improperly inserted.	Ensure battery is fully charged and correctly inserted.
Reduced power or torque.	Low battery charge; incorrect mode selected.	Recharge battery; select a higher power mode.
Excessive vibration.	Loose socket or damaged anvil; worn internal components.	Check socket attachment; inspect anvil for damage. If problem persists, contact service.
Tool overheats.	Continuous heavy use; blocked ventilation.	Allow tool to cool down; ensure ventilation slots are clear.

Specifications

Attribute	Value
Model Number	WR16SEWAZ
Power Source Type	Electric
Tightening Torque	200 / 250 / 300 / 360 Nm (variable)
No-Load Speed	1100 / 1300 / 1400 / 1600 rpm (variable)
Impact Rate	1300 / 1500 / 1700 / 1900 cps/min (variable)
Bolt Capacity	M12 - M22
Square Drive	12.7 mm (1/2")
Weight	2.5 kg
Dimensions (L x W x H)	228 x 80 x 260 mm
Sound Pressure Level	96 dB(A)
Loudness	109 dB(A)
Vibration Output	17 m/s^2
Material	Carbon (referring to the material of the tool's construction, not carbon brushes)

Warranty and Support

This Hitachi Hikoki Impact Driver is guaranteed for 1 year 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, alteration, or unauthorized repair.
For warranty claims, technical support, or service inquiries, please contact your authorized Hitachi Hikoki dealer or service center. Please have your proof of purchase and the product model number (WR16SEWAZ) available when contacting support.

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