

HiKOKI WH18DC

HiKOKI 18V Cordless Impact Driver WH18DC Instruction Manual

Model: WH18DC

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your HiKOKI 18V Cordless Impact Driver, model WH18DC. Please read this manual thoroughly before using the tool and keep it for future reference.

Key Features:

- **Triple Hammer Mechanism:** Designed for efficient and fast screw tightening.
- **Compact Design:** Features a head length of 114mm for improved maneuverability in tight spaces.
- **Lightweight:** Weighs approximately 1.6kg (when equipped with BSL36A18 battery) for reduced user fatigue.
- **Enhanced Control:** Motor control prevents locking at low speeds, allowing for continuous operation and precise delicate work.
- **Reduced Bit Wobble:** Minimizes bit run-out and cam-out, making one-handed operation easier and preventing screws from falling.
- **3-Light LED:** Provides wide-area illumination, reducing shadows around the bit for better visibility in dark environments.
- **Multiple Operating Modes:** Offers various modes to optimize work efficiency for different applications.
- **Durability:** Dustproof and waterproof with an IP56 rating.

2. SAFETY INFORMATION

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury when operating power tools. Keep this information accessible for all users.

General Safety Guidelines:

- **Work Area Safety:** Keep your work area clean and well-lit. Cluttered or dark areas invite accidents. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
 - **Electrical Safety:** Avoid body contact with earthed or grounded surfaces. Do not expose power tools to rain or wet conditions.
 - **Personal Safety:** Always wear eye protection. Use hearing protection when operating for extended periods. Dress properly; avoid loose clothing or jewelry. Secure long hair.
 - **Tool Use and Care:** Do not force the power tool. Use the correct tool for your application. Disconnect the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.
 - **Battery Pack Use and Care:** Recharge only with the charger specified by the manufacturer. Do not use battery packs with power tools for which they are not intended.
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3. PACKAGE CONTENTS

Upon opening the package, ensure all items are present and undamaged. The standard package for the WH18DC (NNB) model typically includes:

- HiKOKI 18V Cordless Impact Driver WH18DC (Main Unit)
- User Manual (this document)

Note: Battery, charger, carrying case, and bits are sold separately for this model.

4. PARTS IDENTIFICATION

Familiarize yourself with the components of your HiKOKI WH18DC Impact Driver.



Image 4.1: Front view of the HiKOKI WH18DC 18V Cordless Impact Driver in Strong Black. This image displays the main body,

chuck, LED lights, trigger, and handle.

- **Chuck:** For inserting and securing screwdriver bits.
 - **LED Lights:** Three integrated lights illuminate the work area.
 - **Trigger Switch:** Controls the tool's power and speed.
 - **Forward/Reverse Switch:** Changes the rotation direction.
 - **Mode Selector:** Allows selection of different operating modes (Soft, Power, Bolt, Tex).
 - **Battery Port:** For attaching the 18V battery pack.
 - **Belt Hook:** Convenient for temporary storage during work.
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5. SETUP

5.1. Battery Installation

1. Ensure the impact driver is switched off and the forward/reverse switch is in the neutral (locked) position.
2. Align the battery pack with the battery port on the tool's base.
3. Slide the battery pack firmly into place until it clicks, indicating it is securely locked.
4. To remove, press the battery release button and slide the battery pack off.

5.2. Bit Installation

1. Ensure the battery is removed for safety.
2. Pull the chuck sleeve forward.
3. Insert the desired screwdriver bit fully into the chuck.
4. Release the chuck sleeve. The bit should be securely held. Gently pull on the bit to confirm it is locked in place.
5. To remove, pull the chuck sleeve forward and pull the bit out.



パワフルで使いやすい18V

- 最大締付トルク:180 N・m
- 軽快な取り回し

Image 5.1: A hand demonstrating the proper grip and bit insertion for the HiKOKI 18V Impact Driver. This image highlights the tool's compact design and ease of handling.

6. OPERATING INSTRUCTIONS

6.1. Powering On/Off and Speed Control

- To turn on the tool, press the trigger switch. The speed is variable depending on how far the trigger is pressed.
- To turn off, release the trigger switch.

6.2. Forward/Reverse Rotation

The forward/reverse switch is located above the trigger. Push it to the left for forward rotation (tightening) and to the right for reverse rotation (loosening). The center position locks the trigger for safety.

6.3. Mode Selection

The WH18DC features multiple operating modes to suit various tasks. Select the appropriate mode using the mode

selector button, typically located near the base of the handle or on the tool head.

多彩なモード切替

ソフト	パワー	ボルト		テクス
		連発	単発	

充実の 5 モードを搭載。材料や作業に合わせて切り替えて
作業効率アップ

自分好みにカスタマイズ

チタニウムシルバー スカイブルー シグナルレッド バイオレット ライトゴールド

お好きな色のカラープレートを付けることができます。
(全 5 色)
※カラープレートは別売です

Image 6.1: A visual representation of the WH18DC's diverse operating modes, including Soft, Power, Bolt (continuous/single), and Tex modes. This image also illustrates the optional color plates for customization.

- **Soft Mode:** For delicate work or when precise control is needed to prevent overtightening.
- **Power Mode:** For general fastening tasks requiring higher torque.
- **Bolt Mode (Continuous/Single):** Optimized for tightening bolts, with options for continuous or single impacts.
- **Tex Mode:** Specifically designed for self-drilling screws (Tek screws).

6.4. LED Light Operation

The three LED lights automatically activate when the trigger is pressed, illuminating the work area. They remain on for a short period after the trigger is released to provide continued visibility.



3灯LEDで暗所も安心

- 広範囲を照射
- ビットの影がでにくい

Image 6.2: A close-up view of the impact driver's head, showcasing the three integrated LED lights illuminating the workspace. This feature ensures clear visibility and reduces shadows during operation.

7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your impact driver.

7.1. Cleaning

- Always disconnect the battery pack before cleaning.
- Wipe the tool with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Clean ventilation openings regularly to prevent overheating. Use compressed air if necessary.

7.2. Storage

- Store the tool in a dry, secure place out of reach of children.
- Remove the battery pack from the tool before storing for extended periods.

- Store battery packs in a cool, dry place, away from direct sunlight and extreme temperatures.

7.3. IP56 Rating

The WH18DC has an IP56 rating, indicating protection against dust ingress and high-pressure water jets from any direction. While this offers significant protection, it is not designed for submersion in water. Always ensure the battery cover is properly sealed if working in wet conditions.

8. 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 installed. Trigger lock engaged.	Ensure battery is fully charged and correctly inserted. Disengage the trigger lock by moving the forward/reverse switch to either forward or reverse position.
Reduced power or performance	Low battery charge. Incorrect mode selected. Worn or damaged bit.	Recharge the battery. Select a more powerful mode (e.g., Power or Bolt). Replace the bit if it is worn.
Bit wobbles excessively	Bit not fully inserted. Incorrect bit type.	Ensure the bit is fully inserted and locked into the chuck. Use only hex shank bits designed for impact drivers.
Overheating	Blocked ventilation slots. Continuous heavy use.	Clean ventilation slots. Allow the tool to cool down during prolonged heavy use.

If the problem persists after attempting these solutions, please contact HiKOKI customer support or an authorized service center.

9. SPECIFICATIONS

Technical specifications for the HiKOKI 18V Cordless Impact Driver WH18DC:

Feature	Specification
Brand	HiKOKI
Model Number	WH18DC
Product Dimensions	13 x 6 x 24 cm
Item Weight	1 kg (tool only)
Color	Strong Black
Power Source	Battery Powered
Voltage	18.0 V

Feature	Specification
Max Torque	180 N·m
Max Rotational Speed	3700 RPM
Number of Speeds	4 (via mode selection)
Dust/Water Protection	IP56
Batteries Included	No (sold separately)

10. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the warranty card included with your product or visit the official HiKOKI website. HiKOKI provides comprehensive customer support and repair services.

Online Repair Application:

You can apply for repairs online by searching for "HiKOKI Repair" on your preferred browser and following the instructions on the official HiKOKI website.

いつでも簡単ネットで修理申込

■ 各ブラウザから「HiKOKI 修理」で検索

🔍 HiKOKI 修理

■ 公式サイトの手順に沿ってお申し込みください









選ぶなら、
HiKOKI

Image 10.1: A visual guide to the online repair application process on the HiKOKI official website, detailing steps from repair reception to payment and confirmation.

Contact Information:

For further assistance, technical support, or to locate an authorized service center, please visit the official HiKOKI website or contact their customer service department.

Official HiKOKI Website: www.hikoki-powertools.jp

	<p>HiKOKI WH 18DE Cordless Impact Driver - Instruction Manual</p> <p>Comprehensive instruction manual for the HiKOKI WH 18DE Cordless Impact Driver, covering safety, operation, charging, maintenance, and troubleshooting for optimal performance.</p>
	<p>HIKOKI DS 18DD / DV 18DD / HIKOKI DS 18DD DV 18DD /</p>
	<p>HiKOKI WH 18DC Cordless Impact Driver User Manual</p> <p>Comprehensive user manual for the HiKOKI WH 18DC Cordless Impact Driver, covering safety instructions, operation, maintenance, and specifications. Includes details on UC18YSL3 and UC18YFSL chargers.</p>
	<p>HiKOKI WR 18DF Cordless Impact Wrench User Manual</p> <p>Comprehensive user manual for the HiKOKI WR 18DF Cordless Impact Wrench, covering safety instructions, operation, maintenance, and specifications.</p>
	<p>HiKOKI DS 18DA & DV18DA Cordless Drill User Manual</p> <p>Official handling instructions and safety guide for the HiKOKI DS 18DA Cordless Driver Drill and DV18DA Cordless Combi Drill, covering operation, maintenance, and safety protocols.</p>
	<p>HiKOKI WR36DE Cordless Impact Wrench User Manual</p> <p>User manual for the HiKOKI WR36DE Cordless Impact Wrench, detailing safety, operation, specifications, and maintenance for optimal tool performance.</p>