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› HiKOKI 18V Cordless Hammer Drill Driver DV18DC User Manual

HiKOKI DV18DC

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Model: DV18DC

1. SAFETY INFORMATION

Always read and understand all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

General Power Tool Safety Warnings

- **Work Area Safety:** Keep 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. Power tools create sparks which may ignite the dust or fumes.
- **Electrical Safety:** Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- **Personal Safety:** Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed. Disconnect the plug from the power source and/or remove the battery pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools.

2. PRODUCT OVERVIEW

The HiKOKI DV18DC is an 18V cordless hammer drill driver designed for heavy-duty applications, offering high power and advanced features for efficient and safe operation.

Your HiKOKI DV18DC package includes the following items:

- HiKOKI DV18DC Hammer Drill Driver Unit
- Battery (BSL36A18X) x 2
- Rapid Charger (with cooling function)
- Carrying Case
- Battery Cover x 2
- Side Handle



Figure 3.1: All standard accessories included with the DV18DC model.

4. SETUP

4.1 Charging the Battery

1. Connect the rapid charger to a suitable power outlet.
2. Insert the BSL36A18X battery pack into the charger. Ensure it clicks into place.

3. The charger's indicator light will show the charging status. Refer to the charger's specific manual for detailed light indications.
4. Once fully charged, remove the battery from the charger.

4.2 Attaching the Battery

- Align the charged battery pack with the battery slot on the drill handle.
- Slide the battery into the slot until it locks securely with a click.
- To remove, press the battery release button(s) and slide the battery out.

4.3 Attaching the Side Handle

The side handle provides additional control and stability, especially during heavy-duty tasks.

1. Loosen the side handle clamp by rotating it counter-clockwise.
2. Slide the handle onto the front of the drill body, behind the chuck.
3. Adjust the handle to your desired angle (11 positions available) and position for comfortable and secure grip.
4. Tighten the clamp by rotating it clockwise until the handle is firmly secured.

サイドハンドル

11段階の角度調整可能なサイドハンドルで現場環境に合わせた位置で固定できます。また、長さを短くしたことにより、取り回しやすくなりました。



- ①アルミ製マウント採用により強固に取り付け可能です
- ②緩めると同時にマウント部が広がる新構造により、取付け・取外しが簡単です
- ③ゴムグリップ採用により、滑りにくく保持しやすくなりました

Figure 4.1: Adjusting and attaching the side handle for optimal grip and control.

5. OPERATING INSTRUCTIONS

5.1 Selecting Mode and Torque

- **Drilling Mode:** Rotate the mode selector ring to the drill icon for standard drilling operations.
- **Hammer Drilling Mode:** Rotate the mode selector ring to the hammer icon for drilling into masonry or concrete.
- **Screwdriving Mode:** Rotate the mode selector ring to the screw icon. Adjust the torque clutch ring (22 stages available) to the desired setting. Lower numbers are for smaller screws and softer materials, higher numbers for larger screws and harder materials.

5.2 Inserting and Removing Bits

- To insert a bit, rotate the chuck counter-clockwise until the jaws are open wide enough.
- Insert the bit fully into the chuck.

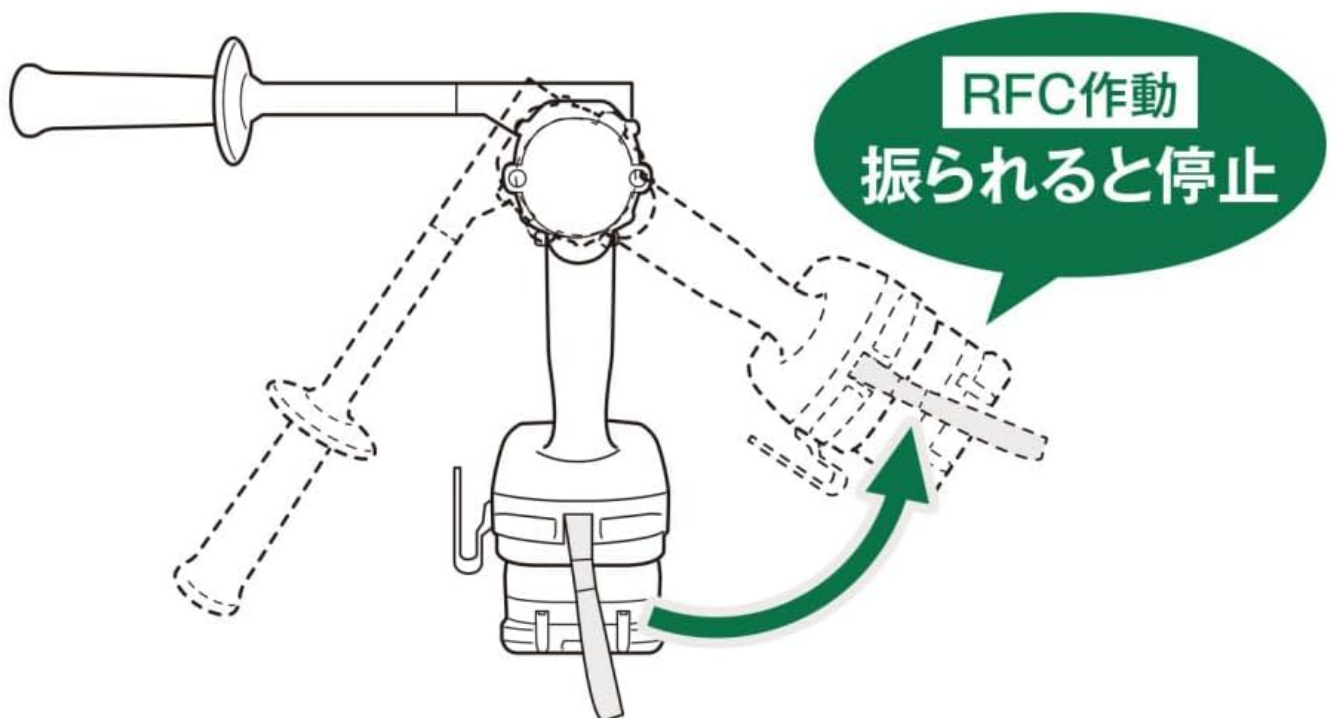
- Rotate the chuck clockwise to tighten the jaws securely around the bit. Ensure the bit is centered and firmly gripped.
- To remove a bit, rotate the chuck counter-clockwise to loosen the jaws and pull the bit out.

5.3 Reactive Force Control (RFC) Function

The RFC function enhances safety by automatically stopping the motor if the tool experiences sudden, excessive rotation (kickback) during operation. This is detected by an internal gyro sensor.

ジャイロセンサによる リアクティブフォースコントロール機能付

コントローラに内蔵されたジャイロセンサが、
所定の角度を検出するとモーターが自動停止。
機体が過度に振り回されることを軽減します。



※作業時の状況・条件により、RFCが作動しない場合があります。
機体を確実に保持し、振り回されないようにしてください。
作業中、作業者が急に体勢を変えると、RFCが作動する場合があります。

Figure 5.1: RFC function automatically stops the motor to prevent excessive tool swing.

Note: The RFC function may not activate under all working conditions or circumstances. Always maintain a firm grip on the tool and ensure it does not swing excessively. If the operator changes posture suddenly during operation, RFC may activate.

6. MAINTENANCE

6.1 General Cleaning

- Always disconnect the battery pack before cleaning.
- Wipe the tool's exterior with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Keep ventilation openings clear of dust and debris to prevent overheating. Use compressed air if necessary.

6.2 Battery Care

- Store batteries in a cool, dry place away from direct sunlight and extreme temperatures.
- Do not store fully discharged batteries for extended periods. Charge them periodically to maintain battery health.
- Avoid dropping or subjecting batteries to impact.

6.3 Storage

- When not in use, store the drill driver and its accessories in the provided carrying case to protect them from dust and damage.
- Store the tool in a secure location out of reach of children.

7. TROUBLESHOOTING

If you encounter issues with your HiKOKI DV18DC, 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 securely inserted.
Reduced power or performance	Low battery charge; incorrect mode/torque setting; dull bit.	Recharge battery; adjust mode/torque; replace or sharpen bit.
Tool stops unexpectedly (RFC activation)	Sudden kickback detected; operator posture change.	Re-evaluate working conditions; maintain firm grip; adjust posture carefully.
Chuck not holding bit securely	Chuck not tightened sufficiently; bit shank is dirty or damaged.	Tighten chuck firmly; clean or replace bit.

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

8. SPECIFICATIONS

Feature	Specification
Brand	HiKOKI
Model Number	DV18DC
Product Dimensions	22.9 x 6 x 12.2 cm (Length x Width x Height)
Weight	6.83 Kilograms
Color	Green, Black, White (Customizable with color plates)
Power Source	Battery Powered

Feature	Specification
Voltage	18 Volts
Battery Type	Lithium Ion (BSL36A18X)
Max Rotational Speed	2000 RPM
Max Chuck Size	13 mm
Max Mortar Drilling Capacity	20 mm
Max Wood Screw Capacity	φ12 x 100 mm
Clutch Settings	22 stages
Side Handle Adjustment	11 angles

コンパクトボディ

全長190mm。（画像はDS36DC）

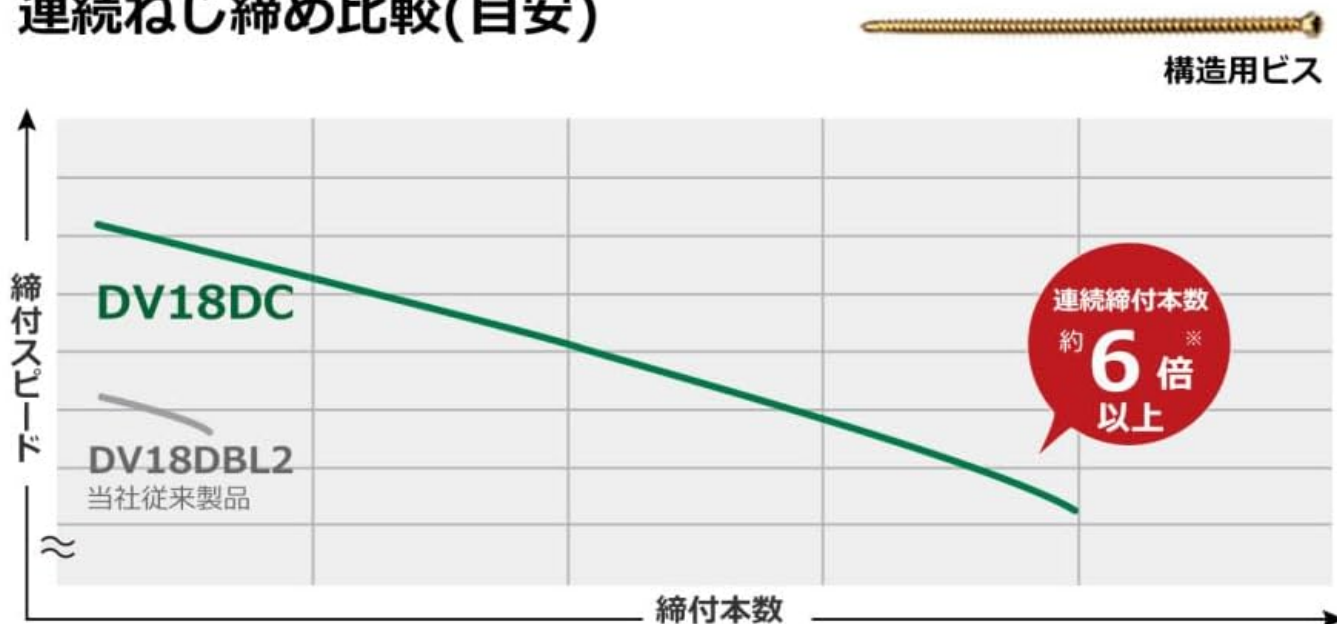


Figure 8.1: Compact body design with a head length of 190mm.

大規模木造建築向け構造用ビスの締付けにも、ねばり強い締付け

モータ仕様の最適化とインバータ回路の強化を図り、締付けが困難だった構造用ビスも従来機種に比べ、6倍以上の連続締付けが可能となりました。

連続ねじ締め比較(目安)



作業条件：
構造用ビス M10x320mm / LVL材(下穴なし) / 低速[1]モード /
2本締付け後20秒休憩

※当社従来製品コードレス振動ドライバドリルDV18DBL2との比較。
数値は参考値です。材料や条件により異なります。

Figure 8.2: Performance comparison showing DV18DC's superior continuous tightening capability.

9. WARRANTY AND SUPPORT

HiKOKI products are manufactured to the highest quality standards. For warranty information, please refer to the warranty card included with your product or visit the official HiKOKI website.

For technical support, service, or spare parts, please contact your local HiKOKI authorized dealer or customer service center. Ensure you have your product model number (DV18DC) and purchase details ready when contacting support. You can also customize your tool's appearance with optional color plates (sold separately).

自分好みにカスタマイズできる

好きな色のカラープレートをつけることができます。

※カラープレートは別売です。

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

選べる
5色



Figure 9.1: Optional color plates for personalizing your DV18DC.

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Details

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