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You can read the recommendations in the user guide, the technical guide or the installation guide for HITACHI DS18DVF3. You'll find the answers to all your questions on the HITACHI DS18DVF3 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual HITACHI DS18DVF3
User guide HITACHI DS18DVF3
Operating instructions HITACHI DS18DVF3
Instructions for use HITACHI DS18DVF3
Instruction manual HITACHI DS18DVF3

HITACHI

Model Modèle Modelo	Variable speed DS 12DVF3 · DS 14DVF3 DS 18DVF3	Cordless Driver Drill Perceuse-visseuse sans fil Tala dro atornillador a batería
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DS18DVF3

SAFETY INSTRUCTIONS AND INSTRUCTION MANUAL

⚠ WARNING

IMPROPER OR UNSAFE use of this power tool can result in death or serious bodily injury!
This manual contains important information about product safety. Please read and understand this manual **BEFORE** operating the power tool. Please keep this manual available for other users and owners before they use the power tool. This manual should be stored in safe place.

INSTRUCTIONS DE SECURITE ET MODE D'EMPLOI

⚠ AVERTISSEMENT

Une utilisation **INCORRECTE OU DANGEREUSE** de cet outil motorisé peut entraîner la mort ou de sérieuses blessures corporelles!
Ce mode d'emploi contient d'importantes informations à propos de la sécurité de ce produit. Prière de lire et de comprendre ce mode d'emploi **AVANT** d'utiliser l'outil motorisé. Garder ce mode d'emploi à la disponibilité des autres utilisateurs et propriétaires avant qu'ils utilisent l'outil motorisé. Ce mode d'emploi doit être conservé dans un endroit sûr.

INSTRUCCIONES DE SEGURIDAD Y MANUAL DE INSTRUCCIONES

⚠ ADVERTENCIA

¡La utilización **INAPROPIADA O PELIGROSA** de esta herramienta eléctrica puede resultar en lesiones de gravedad o la muerte!
Este manual contiene información importante sobre la seguridad del producto. Lea y comprenda este manual **ANTES** de utilizar la herramienta eléctrica. Guarde este manual para que puedan leerlo otras personas antes de utilizar la herramienta eléctrica. Este manual debe ser guardado en un lugar seguro.

Hitachi Koki



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Manual abstract:

@@@This manual should be stored in safe place. @@Most accidents that result from power tool operation and maintenance are caused by the failure to observe basic safety rules or precautions. An accident can often be avoided by recognizing a potentially hazardous situation before it occurs, and by observing appropriate safety procedures. Basic safety precautions are outlined in the "SAFETY" section of this Instruction Manual and in the sections which contain the operation and maintenance instructions. Hazards that must be avoided to prevent bodily injury or machine damage are identified by WARNINGS on the power tool and in this Instruction Manual. NEVER use this power tool in a manner that has not been specifically recommended by HITACHI.

WARNING indicates a potentially hazardous situation which, if ignored, could result in death or serious injury. CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury, or may cause machine damage. Read and understand all instructions. Failure to follow all instructions listed below, may result in electric shock, fire and/or serious personal injury.

Work Area (1) Keep your work area clean and well lit. cluttered benches and dark areas invite accidents. (2) 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 of fumes. (3) Keep bystanders, children and visitors away while operating a power tool.

Distractions can cause you to lose control. Electrical Safety (1) A battery operated tool with integral batteries or a separate battery pack must be recharged only with the specified charger for the battery. A charger that may be suitable for one type of battery may create a risk of fire when used with another battery.

(2) Use battery operated tool only with specifically designed battery pack. Use of any other batteries may create a risk of fire.

Personal Safety (1) Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use tool while tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating power tools may result in serious personal injury. (2) Dress properly. Do not wear loose clothing or jewelry. contain long hair. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry, or long hair can be caught in moving parts. (3) Avoid accidental starting. Be sure switch is off position before inserting battery.

Carrying tools with your finger on the switch or inserting the battery pack into a tool that have the switch on invites accidents. (4) Remove adjusting keys or wrenches before turning the tool on. A wrench or a key that is left attached to a rotating part of the tool may result in personal injury. Proper footing and balance enable better control of the tool in unexpected situations. (6) Use safety equipment. Always wear eye protection. Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions. Tool Use and Care (1) Use clamps or other practical way to secure and support the workpiece to a stable platform. Holding the work by hand or against your body is unstable and may lead to loss of control. (2) Do not force tool.

Use the correct tool for your application. The correct tool will do the job better and safer at the rate for which it is designed. (3) Do not use tool if switch does not turn it on or off. Any tool that cannot be controlled with the switch is dangerous and must be repaired. (4) Disconnect battery pack from tool or place the switch in the locked or off position before making any adjustments, changing accessories, or storing the tools.

Such preventive safety measures reduce the risk of starting the tool accidentally. (5) Store idle tools out of reach of children and other untrained persons. Tools are dangerous in the hands of untrained users. (6) When battery pack is not in use, keep it away from other metal objects like: paper clips, coins, keys, nails, screws, or other small metal objects that can make a connection from one terminal to another. Properly maintained tools, with sharp cutting edges are less likely to bind and are easier to control.

(8) Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tools operation. if damaged , have the tool serviced before using. Many accidents are caused by poorly maintained tools. (9) Use only accessories that are recommended by the manufacturer for your model. Accessories that may be suitable for one tool, may become hazardous when used on another tool. Service (1) Tool service must be performed only by qualified repair personnel. Service or maintenance performed by unqualified personnel could result in a risk of injury. (2) When servicing a tool , use only identical replacement parts. Follow instructions in the Maintenance section of this manual. Use of unauthorized parts or failure to follow Maintenance Instruction may create a risk of electric shock or injury.

Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are: Lead from lead-based paints, Crystalline silica from bricks and cement and other masonry products, and Arsenic and chromium from chemically-treated lumber. Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles. Hold tools by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring. Contact with a "live" wire will make exposed metal parts of the tool "live" and shock the operator. 2. ALWAYS wear ear protectors when using the tool for extended periods. Prolonged exposure to high intensity noise can cause hearing loss. NEVER place hands or other body parts near the drill bit or chuck during operation.

Because the cordless driver drill operates by battery power, be aware of the fact that it can begin to operate at any time. 5. When working at elevated locations, clear the area of all other people and be aware of conditions below you. NEVER place your hands, fingers or other body parts near the tool's moving parts. NEVER operate this tool without all guards or safety features in place and in proper working order.

If maintenance or servicing requires the removal of a guard or safety feature, be sure to replace the guard or safety feature before resuming operation of the tool. Don't force small tool or attachment to do the job of a heavy-duty tool. Don't use tool for purpose not intended --for example-- don't use circular saw for cutting tree limbs or logs.



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9. NEVER use a power tool for applications other than those specified.

NEVER use a power tool for applications other than those specified in the Instruction Manual. Do not drop or throw the tool. NEVER allow the tool to be operated by children, individuals unfamiliar with its operation or unauthorized personnel. Do not use power tools if the plastic housing or handle is cracked. Cracks in the tool's housing or handle can lead to electric shock. Such tools should not be used until repaired. Blades, cutting implements and accessories which have been mounted to the tool should be secure and tight. NEVER use a tool which is defective or operating abnormally. If the tool appears to be operating unusually, making strange noises, or otherwise appears defective, stop using it immediately and arrange for repairs by a Hitachi authorized service center. 15.

Carefully handle power tools. Should a power tool be dropped or struck against hard materials inadvertently, it may be deformed, cracked, or damaged. 16. Do not wipe plastic parts with solvent. Solvents such as gasoline, thinner, benzene, carbon tetrachloride, and alcohol may damage and crack plastic parts. Do not wipe them with such solvents. Wipe plastic parts with a soft cloth lightly dampened with soapy water and dry thoroughly. Definitions for symbols used on this tool. This manual contains important safety and operating instructions for battery charger Model UC18YG. 2.

Before using battery charger, read all instructions and cautionary markings on (1) battery charger, (2) battery, and (3) product using battery. Other type of batteries may burst causing personal injury and damage. 4. Do not expose battery charger to rain or snow. 5.

Use of an attachment not recommended or sold by the battery charger manufacturer may result in a risk of fire, electric shock, or injury to persons. 6. To reduce risk of damage to electric plug and cord, pull by plug when disconnecting battery charger. 7. Make sure cord is located so that it will not be stepped on, tripped over, or otherwise subjected to damage or stress.

8. An extension cord should not be used unless absolutely necessary. Use of improper extension cord could result in a risk of fire and electric shock. If extension cord must be used make sure: a. That blades of extension cord are the same number, size, and shape as those of plug on battery charger; b. @@@@ 11. @@Incorrect reassembly may result in a risk of electric shock or fire. 12. @@Removing the battery will not reduce this risk. @@@@ Insert any objects into the battery charger's air vents.

@@@ connect two battery chargers together. @@Use a booster transformer when charging. Use an engine generator or DC power to charge. @@ operate charger on standard household electrical power (120 volts). @@@@ Some illustrations in this Instruction Manual may show details of tool falls, there is a risk that malfunction and/or physical damage can occur. It is recommended that you also use fall-preventing wires, etc. Incomplete installation of the hook may result in bodily injury when used. (a) Securely hold the main unit and remove the screw using a slotted head screwdriver or a coin (Fig. (c) Install the hook and spring on the other side and securely fasten with screw (Fig. Install the spring with larger diameter away from you (Fig.

1 Using the bit holder (Hook with bit holder) Installing the bit Slide the bit from the side, and then insert firmly until the groove on the bit locks in the protruded section of the hook. Screw Larger diameter faces away Fig. Removing the bit Securely hold the main unit and pull out the bit by holding the tip with your thumb (Fig. Do not use other bits since they may come loose. 2 Using as an auxiliary light (Light equipped hook) (1) Press the switch to turn off the light.

If forgotten, the light will turn off automatically after 15 minutes (Fig. 10). (2) The direction of the light can be adjusted within the range of hook positions 1 - 5 (Fig. CAUTION: Do not look directly into the light. Such actions could result in eye injury.

(2) Remove the old batteries and insert the new batteries. (3) Align the indentation in the hook main body with the protuberance of the hook cover, press the hook cover in the direction opposite to that of the arrow shown in Fig. NOTE: Do not tighten the screw excessively. Such action could strip the screw threads.

Do not mix old and new batteries. Remove exhausted batteries from the hook immediately. Do not discard batteries together with normal trash and do not throw batteries into fire. Store batteries out of the reach of children. Use batteries correctly in accordance with the battery specifications and indications. If the tool is used with the bit stowed improperly, the bit may fall and cause bodily injury.

Do not stow bits that are of a different length, gauge or dimension than the plus driver bit (65 mm long) included in the STANDARD ACCESSORIES. (1) Removing the bit Securely hold the main unit and pull out the bit by holding the tip with your thumb (Fig. 14). (2) Installing the Bit Install the bit with steps opposite of when removing. Insert the bit so that the right and left sides are equal, as shown in Fig. Insert so that bit does not protrude from main unit Fig. Firmly grasp the ring and tighten the sleeve by turning it toward the right (in the clockwise direction as viewed from the front) (See Fig. (2) Dismounting the bit Firmly grasp the ring and loosen the sleeve by turning it toward the left (in the counterclockwise direction as viewed from the front) (See Fig. If the sleeve is not tight, the bit may slip or fall out, causing injury. NOTE: Loosening stuck or hard to move sleeves.

Finally, rotate the sleeve to the left, and it will loosen. The rotational speed of the drill can be controlled by varying the amount that the trigger switch is pulled. Speed is low when the trigger switch is pulled slightly and increases as the trigger switch is pulled more. When the shift knob is set to "LOW", the drill rotates at a low speed. When a large force is required for operation (operations indicated in the following chart) set the shift knob to "LOW".

If "HIGH" is set and the unit is used, it may cause the motor to burn out or malfunction prematurely. When the size of the wood screw exceeds 5/32" (3. When the size of the wood screw exceeds 3/16" (4. The tightening torque of this unit can be adjusted according to the clutch dial position, at which the clutch dial is set. (1) When using this unit as a screwdriver, line up the one of the numbers "1, 3, 5 .

22" on the clutch dial, or the black dot, with the triangle mark on the outer body. (2) When using this unit as a drill, line up the clutch dial " with the triangle mark on the outer drill mark " body. CAUTION: The clutch dial cannot be set between the numbers "1, 3, 5 . 22" or the black dot. Do not use with the clutch dial set at the line ". Between the number "22" and the drill mark " Doing so may cause damage (See Fig.



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(1) Tightening torque Tightening torque should correspond in its intensity to the screw diameter. When too strong power is used, the screw head may be broken or be injured. Be sure to adjust the clutch dial position according to the screw diameter. (2) Tightening torque indication (See Fig.

20) The tightening torque differs depending on the type of screw and the material being tightened. The unit indicates the tightening torque with the numbers "1, 3, 5 . 20) Rotate the clutch dial and line up the numbers "1, 3, 5, . 22" on the clutch dial , or the dot , with the triangle mark on the outer body. Adjust the clutch dial in the weak or the strong torque direction according to the torque you need. CAUTION: The motor rotation may be locked to cease while the unit is used as drill. While operating the driver drill, take care not to lock the motor. When setting the shift knob to "HIGH" (high speed) and the position of the clutch dial is "17" to "22", it may happen that the clutch does not engaged and that the motor is locked. in such a case , please set the shift knob to "LOW" (low speed). If the motor is locked, immediately turn the power off.

If the motor is locked for a while, the motor or battery may be burnt. Too long hammering may cause the screw broken due to excessive tightening. A buzzing noise is produced when the motor is about to rotate; This is only a noise, not a machine failure. @@@@If the motor is locked, immediately turn the power off. If the motor is locked for a while, the motor or battery will be burnt.

Do not tighten too strongly as the screw heads will be damaged. CAUTION: Pull out battery before doing any inspection or maintenance. The bits should be checked regularly. If worn or broken bits can slip or decrease the efficiency of the motor and burn it out. replace worn bits with new ones.

CAUTION: If you use a driver bit of which point is worn or broken, it will be dangerous since it slips. So replace it with a new one. Loose screws are dangerous. Regularly inspect them and make sure they are tight. CAUTION: Using this power tool with loosened, screws is extremely dangerous. Dust may be removed with a soft cloth or a cloth dampened with soapy water. Do not use bleach, chlorine, gasoline or thinner, for they may damage the plastics.

@@@Storing in a place below 104°F (40°C) and out of the reach of children. All quality power tools will eventually require servicing or replacement of parts because of wear from normal use. To assure that only authorized replacement parts will be used, all service and repairs must be performed by a HITACHI AUTHORIZED SERVICE CENTER, ONLY.

CAUTION: Repair, modification and inspection of Hitachi Power Tools must be carried out by a Hitachi Authorized Service Center. This Parts List will be helpful if presented with the tool to the Hitachi Authorized Service Center when requesting repair or other maintenance. In the operation and maintenance of power tools, the safety regulations and standards prescribed in each country must be observed. MODIFICATIONS: Hitachi Power Tools are constantly being improved and modified to incorporate the latest technological advancements. Accordingly, some parts may be changed without prior notice. ALWAYS use Only authorized HITACHI replacement parts and accessories. NEVER use replacement parts or accessories which are not intended for use with this tool. Contact HITACHI if you are not sure whether it is safe to use a particular replacement part or accessory with your tool. The use of any other attachment or accessory can be dangerous and could cause injury or mechanical damage. NOTE: Accessories are subject to change without any obligation on the part of the HITACHI.

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