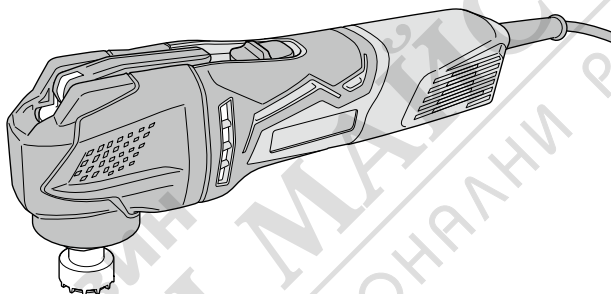


CV 350V2



en

de

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fi

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en Handling instructions

de Bedienungsanleitung

fr Mode d'emploi

it Istruzioni per l'uso

nl Gebruiksaanwijzing

es Instrucciones de manejo

pt Instruções de uso

sv Bruksanvisning

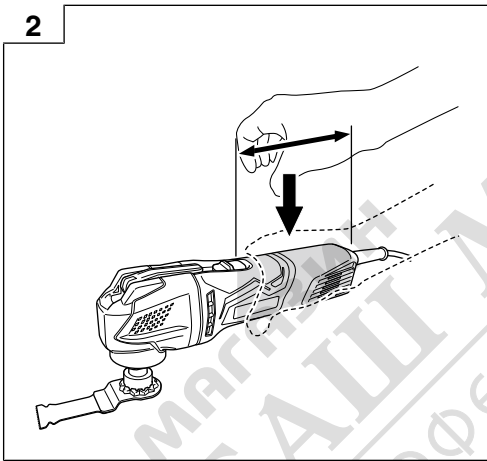
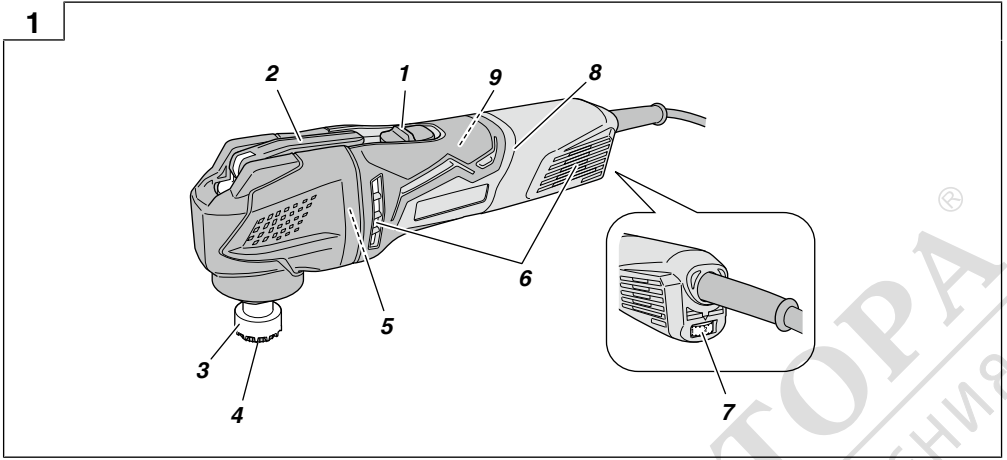
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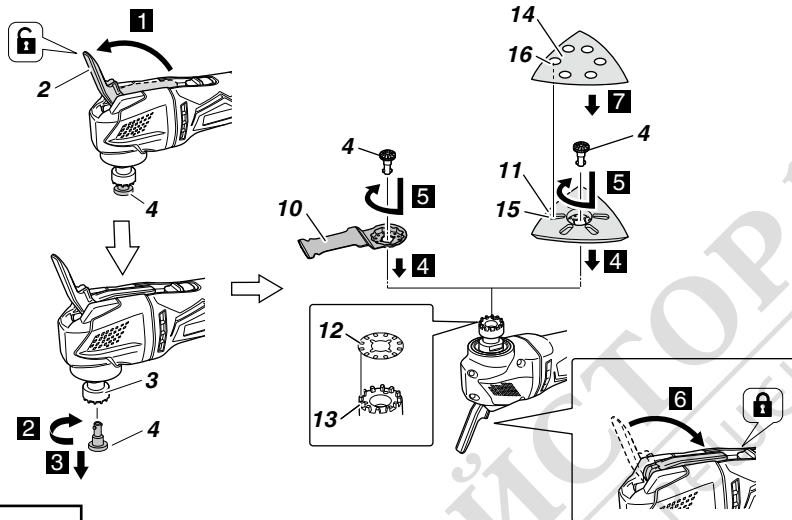
fi Käyttöohjeet

el Οδηγίες χειρισμού

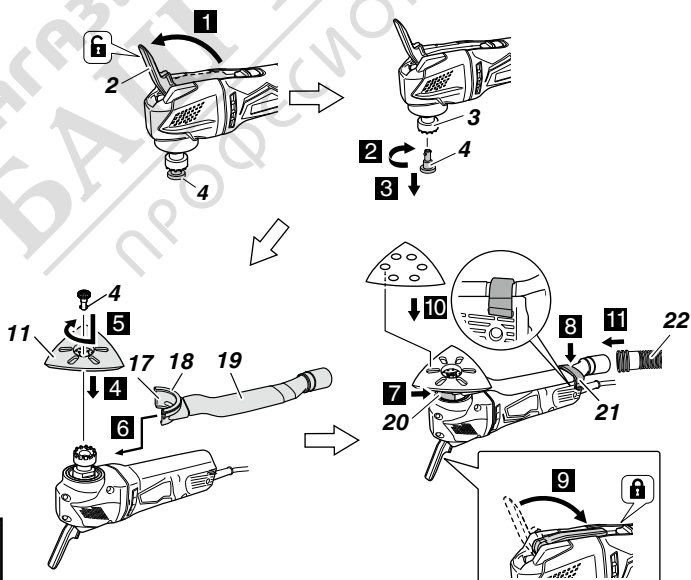


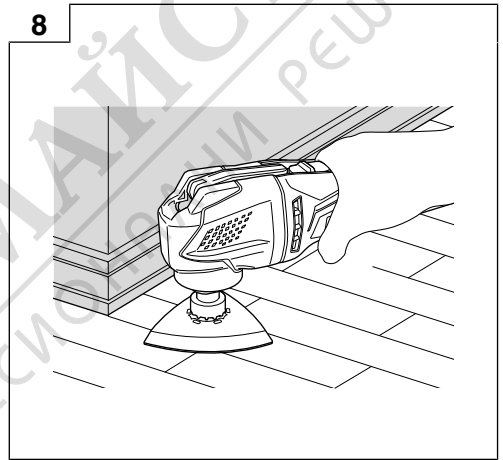
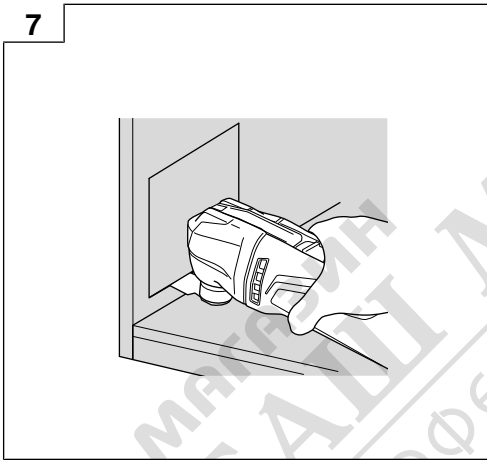
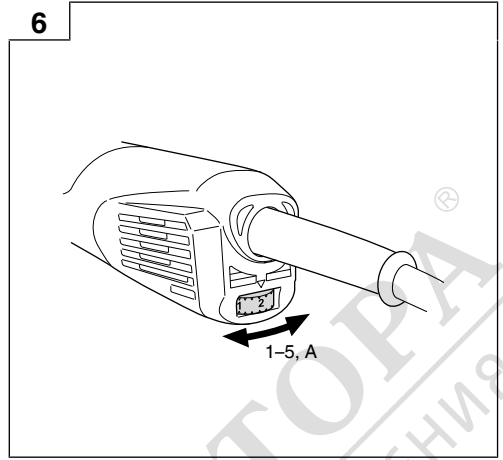
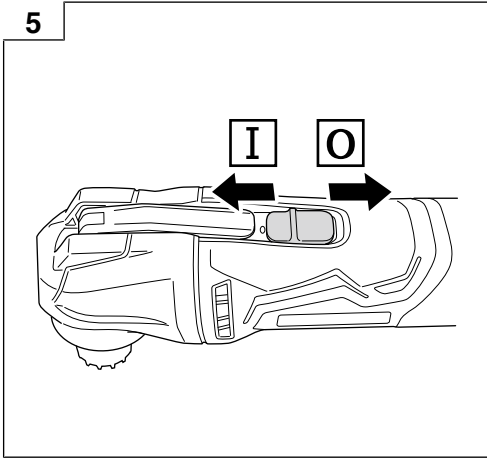


3



4





GENERAL POWER TOOL SAFETY WARNINGS

WARNING

Read 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.

Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

1) Work area safety

- a) **Keep work area clean and well lit.**
Cluttered or dark areas invite accidents.
- b) **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.
- c) **Keep children and bystanders away while operating a power tool.**
Distractions can cause you to lose control.

2) Electrical safety

- a) **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.
- b) **Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.**
There is an increased risk of electric shock if your body is earthed or grounded.
- c) **Do not expose power tools to rain or wet conditions.**
Water entering a power tool will increase the risk of electric shock.
- d) **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.**
Damaged or entangled cords increase the risk of electric shock.
- e) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.**
Use of a cord suitable for outdoor use reduces the risk of electric shock.
- f) **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.**
Use of an RCD reduces the risk of electric shock.

3) Personal safety

- a) **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.
- b) **Use personal protective equipment. Always wear eye protection.**
Protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.

- c) **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.**

Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.

- d) **Remove any adjusting key or wrench before turning the power tool on.**
A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- e) **Do not overreach. Keep proper footing and balance at all times.**
This enables better control of the power tool in unexpected situations.
- f) **Dress properly. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts.**
Loose clothes, jewellery or long hair can be caught in moving parts.
- g) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.**
Use of dust collection can reduce dust-related hazards.
- h) **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.**
A careless action can cause severe injury within a fraction of a second.

4) Power tool use and care

- a) **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.
- b) **Do not use the power tool if the switch does not turn it on and off.**
Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- c) **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.**
Such preventive safety measures reduce the risk of starting the power tool accidentally.
- d) **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.**
Power tools are dangerous in the hands of untrained users.
- e) **Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.**
Many accidents are caused by poorly maintained power tools.
- f) **Keep cutting tools sharp and clean.**
Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- g) **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.**
Use of the power tool for operations different from those intended could result in a hazardous situation.
- h) **Keep handles and grasping surfaces dry, clean and free from oil and grease.**

English

Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

5) Service

- a) **Have your power tool serviced by a qualified repair person using only identical replacement parts.**

This will ensure that the safety of the power tool is maintained.

PRECAUTION

Keep children and infirm persons away.

When not in use, tools should be stored out of reach of children and infirm persons.

MULTI TOOL SAFETY WARNINGS

1. **Hold the power tool by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring or its own cord.**

Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.

2. **Do not use this tool in wet applications.**

Water or moisture entering the tool could give the operator an electric shock.

ADDITIONAL SAFETY WARNINGS

1. Ensure that the power source to be utilized conforms to the power requirements specified on the product nameplate.
2. Ensure that the power switch is in the OFF position. If the plug is connected to a receptacle while the power switch is in the ON position, the power tool will start operating immediately, which could cause a serious accident.
3. When the work area is removed from the power source, use an extension cord of sufficient thickness and rated capacity. The extension cord should be kept as short as practicable.
4. Always hold the tool firmly with one hand on housing (Fig. 2). Do not touch the metal part.
5. Make sure that the area to be cut is absolutely free of any hidden obstructions including electrical wiring, water, or gas pipes. Cutting into the aforementioned may result in electric shock or short circuit, gas leak or other hazards that can cause serious accidents or injuries.
6. Make sure to securely hold the tool during operation. Failure to do so can result in accidents or injuries.
7. Secure the workpiece. A workpiece clamped with clamping devices or in a vice is held more secure than by hand.
8. Setting up and checking the work environment. Check if the work environment is suitable by following the precaution.
9. Dust particles such as silica or asbestos are hazardous to your health. When working with materials containing these components, take appropriate dust-proofing measures.
10. Working with metal can cause sparks. Make sure there are no flammable and combustible materials in the vicinity and that they are stored in a safe location.
11. Do not touch the application tool, its attachment area or other metal surfaces immediately after use as they will be hot. Doing so may result in burns or injury.

12. Make sure that there is no one below when operating the tool in high locations. Also keep the cord clear of any obstructions or objects. Dropping the tool or materials may result in accident or injury.
13. Never apply any unreasonable force to the application tool when working. Doing so may break the application tool or damage the motor.
14. Do not leave the tool running unattended on the floor, table or other locations. Doing so may result in injury.
15. When attaching application tools, be careful not to get your fingers or other extremities caught in the lever.
16. If the application tool seems to be loose or uneven after attaching it to the unit, follow the instructions in Fig. 3 and re-attach the tool. Operating the unit with a loose or uneven application tool may result in injury.
17. When switching on the tool, make sure the application tool is not in contact with any processing materials. Failure to do so may result in injury.
18. For cutting efficiency, switch the mode of the application tool according to task conditions and materials to be cut.
19. After use, be sure not to place the tool near chips or sawdust before it comes to a full stop as the tool may suck in those particles.
20. Do not polish wood with sanding paper used for metal polishing.
21. Do not use worn or clogged sanding paper.
22. RCD
The use of a residual current device with a rated residual current of 30 mA or less at all times is recommended.

NAMES OF PARTS

The numbers in the list below correspond to Fig. 1–Fig. 8.















1	Switch
2	Lever
3	Attachment ring
4	Tool shaft
5	Motor
6	Ventilation holes
7	Dial
8	Handle
9	Nameplate
10	Blade
11	Pad
12	Retaining hole
13	Attachment ring lug
14	Sanding paper
15	Pad holes
16	Sanding paper holes
17	Adapter (B)
18	Felt
19	Nozzle
20	Adapter (A)






21	Hook
22	Hose

SYMBOLS

WARNING

The following show symbols used for the machine. Be sure that you understand their meaning before use.

	CV350V2: Multi Tool
	To reduce the risk of injury, user must read instruction manual.
	Only for EU countries Do not dispose of electric tools together with household waste material! In observance of European Directive 2012/19/EU on waste electrical and electronic equipment and its implementation in accordance with national law, electric tools that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.
V	Rated voltage
~	Alternating current
P	Power Input
n ₀	No-load speed
min ⁻¹	Oscillation per minute
	Oscillation angle
	Weight (According to EPTA-Procedure 01/2014)
	Switching ON
	Switching OFF
	Lock
	Unlock
	Pad
	Sanding paper
	Blade
	Cutsaw
	Dust collection adapter set

	Accessory case
	Disconnect mains plug from electrical outlet
	Prohibited action
	Warning
	Class II tool

STANDARD ACCESSORIES

In addition to the main unit (1 unit), the package contains the accessories listed on page 61.

Standard accessories are subject to change without notice.

APPLICATIONS

- Flush cutting and pocket cutting of various materials
- Peeling of tiles, caulking, etc.
- Polishing wood materials, etc.

SPECIFICATIONS

The specifications of this machine are listed in the Table on page 61.

NOTE

Due to HiKOKI's continuing program of research and development, the specifications herein are subject to change without prior notice.

MOUNTING AND OPERATION

Action	Figure	Page
Mounting the application tool*1	3	3
Mounting dust collection adapter	4	3
Switch operation	5	4
Adjusting operating speed*2	6	4
Sawing	7	4
Sanding	8	4
Selecting accessories*3	—	62

*1 Mounting the application tool

CAUTION

The lever is attached to a strong spring. Be very careful not to get your fingers caught when pushing the lever down.

*2 Adjusting operating speed

The tool is equipped with two modes: "Standard Mode" and "AUTO Mode".

(1) Standard Mode

You can change the vibration frequency between 6000 to 20000 min⁻¹ by adjusting the dial from "1" to "5".

English

(2) AUTO Mode

Depending on the workload, AUTO Mode "A" will automatically change the vibration frequency to 15000 min⁻¹ or 20000 min⁻¹. This has the effect of lowering vibration and noise prior to and during operation.

Adjust the dial for the mode and speed that best suits your task conditions and materials.

Operating speed

Mode	Dial	Vibration Frequency
Standard Mode	1–5	6000–20000 min ⁻¹
AUTO Mode	A	No load: 15000 min ⁻¹ With load: 20000 min ⁻¹

With AUTO Mode, the vibration frequency may not reach 20000 min⁻¹ or return to 15000 min⁻¹ depending on variables such as the type of work or the attachment in use.

*3 Select accessories that are suited to a specific task. For details contact HiKOKI Authorized Service Center.

MAINTENANCE AND INSPECTION

WARNING

Be sure to switch power OFF and disconnect the plug from the receptacle during maintenance and inspection.

1. Inspecting the application tool

Continued use of a dull or damaged application tool will result in reduced cutting efficiency and may cause overloading of the motor. Replace the application tool with a new one as soon as excessive abrasion is noted.

2. Inspecting the mounting screws

Regularly inspect all mounting screws and ensure that they are properly tightened. Should any of the screws be loose, retighten them immediately. Failure to do so could result in serious hazard.

3. Maintenance of the motor

The motor unit winding is the very "heart" of the power tool. Exercise due care to ensure the winding does not become damaged and/or wet with oil or water.

4. Inspecting the carbon brushes

For your continued safety and electrical shock protection, carbon brush inspection and replacement on this tool should ONLY be performed by a HiKOKI Authorized Service Center.

5. Replacing supply cord

If the replacement of the supply cord is necessary, this has to be done by the manufacturer of this agent in order to avoid a safety hazard.

CAUTION

In the operation and maintenance of power tools, the safety regulations and standards prescribed in each country must be observed.

IMPORTANT

Correct connection of the plug

The wires of the main lead are coloured in accordance with the following code:

Blue: — Neutral

Brown: — Live

As the colours of the wires in the main lead of this tool may not correspond with the coloured markings identifying the terminals in your plug proceed as follows:

The wire coloured blue must be connected to the terminal marked with the letter N or coloured black. The wire coloured brown must be connected to the terminal marked with the letter L or coloured red. Neither core must be connected to the earth terminal.

NOTE

This requirement is provided according to BRITISH STANDARD 2769: 1984.

Therefore, the letter code and colour code may not be applicable to other markets except The United Kingdom.

Information concerning airborne noise and vibration

The measured values were determined according to EN62841 and declared in accordance with ISO 4871.

Measured A-weighted sound power level: 85 dB (A)

Measured A-weighted sound pressure level: 77 dB (A)

Uncertainty K: 3 dB (A).

Wear hearing protection.

Vibration total values (triax vector sum) determined according to EN62841.

Cutting boards:

Vibration emission value a_{hB} = 11.3 m/s²

Uncertainty K = 1.5 m/s²

Sanding steel plate:

Vibration emission value a_{hS} = 5.5 m/s²

Uncertainty K = 1.5 m/s²

The declared vibration total value and the declared noise emission value have been measured in accordance with a standard test method and may be used for comparing one tool with another.

They may also be used in a preliminary assessment of exposure.

WARNING

- The vibration and noise emission during actual use of the power tool can differ from the declared total value depending on the ways in which the tool is used especially what kind of workpiece is processed; and
- Identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time).

NOTE

Due to HiKOKI's continuing program of research and development, the specifications herein are subject to change without prior notice.