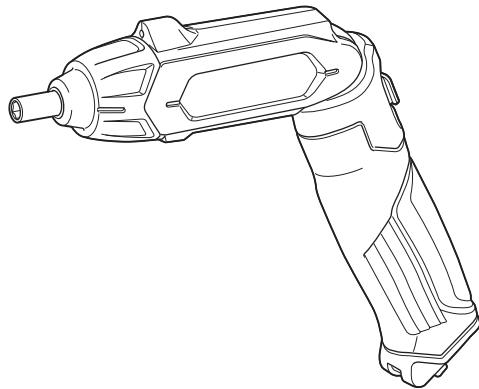


INSTRUCTION MANUAL



In-Line Cordless Screwdriver

DF001D



Read before use.

SPECIFICATIONS

Model:	DF001D
Fastening capacities	Wood screw
No load speed (RPM)	220 min ⁻¹
Overall length	287 mm
	205 mm
Rated voltage	D.C. 3.6 V
Net weight	0.36 kg

- Due to our continuing program of research and development, the specifications herein are subject to change without notice.
- Specifications and battery cartridge may differ from country to country.
- Weight, with battery cartridge, according to EPTA-Procedure 01/2003

Symbols

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



Read instruction manual.



Cd
Ni-MH
Li-Ion
Only for EU countries
Do not dispose of electric equipment or battery pack together with household waste material!
In observance of the European Directives, on Waste Electric and Electronic Equipment and Batteries and Accumulators and Waste Batteries and Accumulators and their implementation in accordance with national laws, electric equipment and batteries and battery pack(s) that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.

Intended use

The tool is intended for screw driving in wood.

Noise

The typical A-weighted noise level determined according to EN60745:

Sound pressure level (L_{PA}) : 70 dB(A) or less
Uncertainty (K) : 3 dB(A)

The noise level under working may exceed 80 dB (A).

⚠ WARNING: Wear ear protection.

Vibration

The vibration total value (tri-axial vector sum) determined according to EN60745:

Work mode: screwdriving without impact
Vibration emission (a_h) : 2.5 m/s² or less
Uncertainty (K) : 1.5 m/s²

NOTE: The declared vibration emission value has been measured in accordance with the standard test method and may be used for comparing one tool with another.

NOTE: The declared vibration emission value may also be used in a preliminary assessment of exposure.

⚠ WARNING: The vibration emission during actual use of the power tool can differ from the declared emission value depending on the ways in which the tool is used.

⚠ WARNING: Be sure to 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).

EC Declaration of Conformity

For European countries only

The EC declaration of conformity is included as Annex A to this instruction manual.

SAFETY WARNINGS

General power tool safety warnings

⚠ WARNING: Read all safety warnings and all instructions. Failure to follow the warnings and instructions 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.

Work area safety

1. **Keep work area clean and well lit.** Cluttered or 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 or fumes.

3. **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

Electrical Safety

1. **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.
2. **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.
3. **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
4. **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.
5. **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.
6. **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.

Personal Safety

1. **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.
2. **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.
3. **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.
4. **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.
5. **Do not overreach.** Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
6. **Dress properly.** Do not wear loose clothing or jewellery. Keep your hair, clothing, and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.
7. **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.

Power tool use and care

1. **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.
2. **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.
3. **Disconnect the plug from the power source and/or the battery pack 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.
4. **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.
5. **Maintain power tools.** 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.
6. **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
7. **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.

Battery tool use and care

1. **Recharge only with the charger specified by the manufacturer.** A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
2. **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
3. **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.** Shorting the battery terminals together may cause burns or a fire.
4. **Under abusive conditions, liquid may be ejected from the battery; avoid contact.** If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.

Service

1. **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.
2. **Follow instruction for lubricating and changing accessories.**
3. **Keep handles dry, clean and free from oil and grease.**

Cordless screwdriver safety warnings

1. Hold the power tool by insulated gripping surfaces, when performing an operation where the fastener may contact hidden wiring. Fasteners contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.
2. Always be sure you have a firm footing. Be sure no one is below when using the tool in high locations.
3. Hold the tool firmly.
4. Keep hands away from rotating parts.
5. Do not touch the bit or the workpiece immediately after operation; they may be extremely hot and could burn your skin.
6. Always secure workpiece in a vise or similar hold-down device.

SAVE THESE INSTRUCTIONS.

WARNING: DO NOT let comfort or familiarity with product (gained from repeated use) replace strict adherence to safety rules for the subject product.

MISUSE or failure to follow the safety rules stated in this instruction manual may cause serious personal injury.

Important safety instructions for built-in battery

1. Before using built-in battery, read all instructions and cautionary markings on (1) battery charger, (2) battery, and (3) product using battery.
2. Do not disassemble built-in battery.
3. If operating time has become excessively shorter, stop operating immediately. It may result in a risk of overheating, possible burns and even an explosion.
4. If electrolyte gets into your eyes, rinse them out with clear water and seek medical attention right away. It may result in loss of your eyesight.
5. Do not short the built-in battery:
 - (1) Do not touch the terminals with any conductive material.
 - (2) Avoid storing built-in battery in a container with other metal objects such as nails, coins, etc.
 - (3) Do not expose built-in battery to water or rain.A battery short can cause a large current flow, overheating, possible burns and even a breakdown.
6. Do not store the tool and built-in battery in locations where the temperature may reach or exceed 50 °C (122 °F).
7. Do not incinerate the built-in battery even if it is severely damaged or is completely worn out. The built-in battery can explode in a fire.
8. Be careful not to drop or strike battery.
9. Do not use a damaged battery.
10. The contained lithium-ion batteries are subject to the Dangerous Goods Legislation requirements.

For commercial transports e.g. by third parties, forwarding agents, special requirement on packaging and labeling must be observed.

For preparation of the item being shipped, consulting an expert for hazardous material is required. Please also observe possibly more detailed national regulations. Tape or mask off open contacts and pack up the battery in such a manner that it cannot move around in the packaging.

11. Follow your local regulations relating to disposal of battery.

SAVE THESE INSTRUCTIONS.

Tips for maintaining maximum battery life

1. Charge the built-in battery before completely discharged. Always stop tool operation and charge the built-in battery when you notice less tool power.
2. Never recharge a fully charged built-in battery. Overcharging shortens the battery service life.
3. Charge the built-in battery with room temperature at 10 °C - 40 °C (50 °F - 104 °F). Let a hot built-in battery cool down before charging it.
4. Charge the built-in battery if you do not use it for a long period (more than six months).

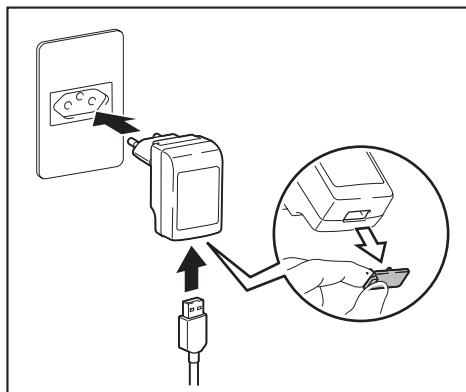
FUNCTIONAL DESCRIPTION

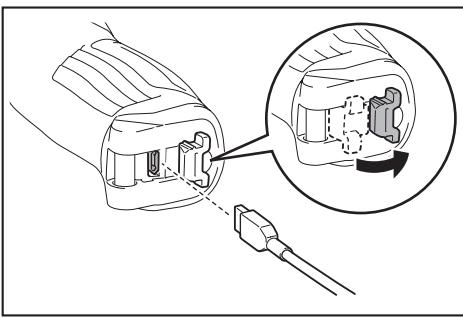
CAUTION: Always be sure that the tool is switched off before adjusting or checking function on the tool.

Charging the built-in battery

CAUTION: Use only the Makita AC adapter and USB cable to charge the tool. Use of the other type AC adapter and USB cable may cause the battery to burst, result in personal injury and damage.

CAUTION: Always disconnect the charging plug from the tool after charging.





Connect the USB cable to the AC adapter, and then plug the AC adapter into the mains supply. Open the connector cover on the tool, and then connect the USB cable to the connector.

Before the first use, be sure to charge the built-in battery. It takes approximately 3 to 5 hours to fully charge the battery. The charging time varies depending on the usage conditions and remaining battery capacity. Unplug the USB cable from the tool, and then close the connector cover.

NOTE: While charging, the built-in battery and AC adapter may become warm. This is normal and will continue until the built-in battery is fully charged and the AC adapter has been disconnected from the mains supply.

Tool / battery protection system

The tool is equipped with a tool/battery protection system. This system automatically cuts off power to the motor to extend tool and battery life. The tool will automatically stop during operation if the tool is placed under one of the following conditions:

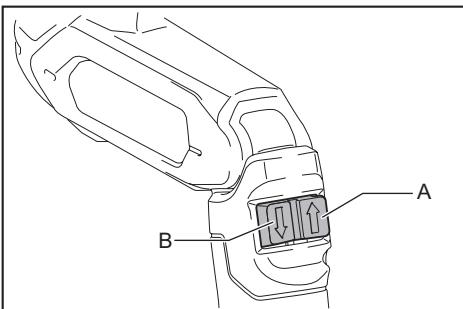
Overheat protection

When the tool is overheated, the tool stops automatically. In this situation, let the tool cool before turning the tool on again.

Overdischarge protection

When the battery capacity is not enough, the tool stops automatically. In this case, charge the battery.

Switch action



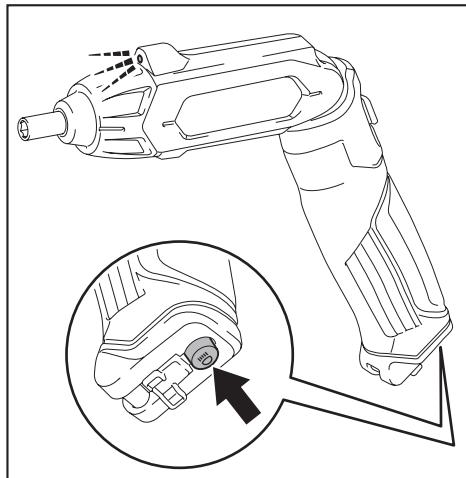
To start the tool, simply push the switch on the A side for the clockwise rotation and the B side for the counter-clockwise rotation. Release the switch to stop.

CAUTION: Always check the direction of rotation before operation.

NOTICE: Change the direction only after the tool comes to a complete stop. Changing the direction of rotation before the tool stops may damage the tool.

Lighting up the front lamp

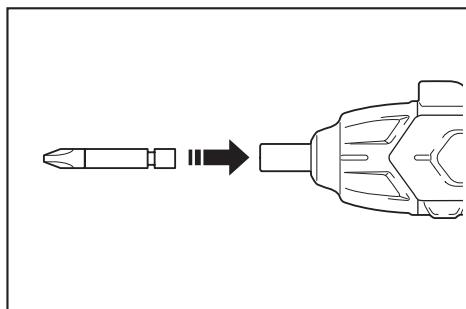
CAUTION: Do not look in the light or see the source of light directly.



To turn on the light, press the lamp switch. To turn off the light, press the lamp switch again.

ASSEMBLY

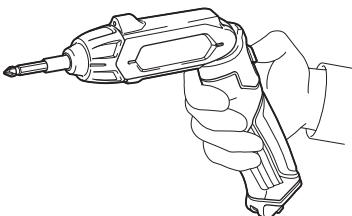
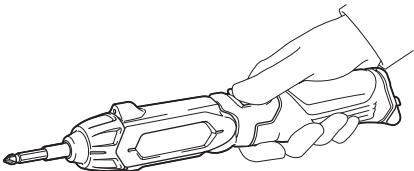
Installing or removing driver bit



To install a driver bit, push it firmly into the driver bit holder. To remove the driver bit, pull it out of the driver bit holder.

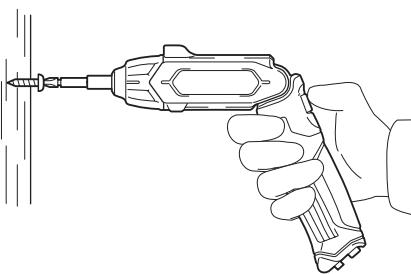
OPERATION

CAUTION: When bending the tool to use in the pistol shape or straightening to use in the straight shape, do not hold the bendable part of the tool. Failure to do so may cause your hand and fingers to be pinched and injured by this part.



The tool can be used in two ways; a straight shape and a pistol shape which are selectable according to the conditions of workplace and screwdriving.

Screwdriving operation

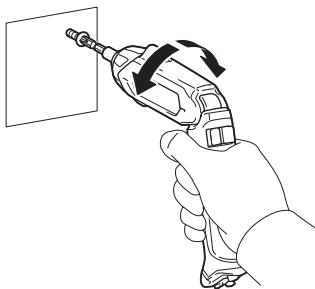


Place the point of the driver bit in the screw head and apply pressure to the tool. Then switch the tool on. When the screw head and surface of the workpiece becomes flat, release the switch.

NOTICE: Make sure that the driver bit is inserted straight in the screw head, or the screw and/or bit may be damaged.

NOTE: When driving wood screw, predrill a pilot hole 2/3 the diameter of the screw. It makes driving easier and prevents splitting of the workpiece.

Using the tool as a hand screwdriver



Switch off the tool, and then turn the tool.

MAINTENANCE

CAUTION: Always be sure that the tool is switched off before attempting to perform inspection or maintenance.

NOTICE: Never use gasoline, benzine, thinner, alcohol or the like. Discoloration, deformation or cracks may result.

To maintain product SAFETY and RELIABILITY, repairs, any other maintenance or adjustment should be performed by Makita Authorized or Factory Service Centers, always using Makita replacement parts.

Disposing of tool

A Li-ion battery is built into this tool. When disposing of the tool, be sure to bring it to Makita Authorized or Factory Service Centers to recycle the built-in battery.

OPTIONAL ACCESSORIES

CAUTION: These accessories or attachments are recommended for use with your Makita tool specified in this manual. The use of any other accessories or attachments might present a risk of injury to persons. Only use accessory or attachment for its stated purpose.

If you need any assistance for more details regarding these accessories, ask your local Makita Service Center.

- Driver bits
- Socket bits
- AC adapter and USB cable
- Plastic carrying case

NOTE: Some items in the list may be included in the tool package as standard accessories. They may differ from country to country.

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3070 Kortenberg, Belgium

Makita Corporation 3-11-8, Sumiyoshi-cho,
Anjo, Aichi 446-8502 Japan

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