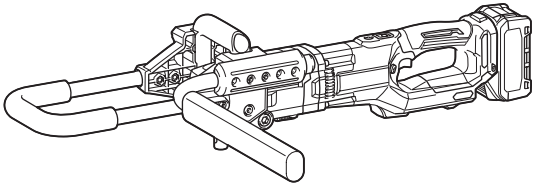
ENGLISH: Original instructions

INSTRUCTION MANUAL

Cordless Earth Auger

DG002G



Read before use.

SPECIFICATIONS

Model:		DG002G
No load speed	High	0 - 1,500 min^{-1}
	Low	0 - 400 min^{-1}
Drilling capacities (Diameter)	High	For sandy soil: ø60 mm For clay soil: ø60 mm
	Low	For sandy soil: ø200 mm For clay soil: ø150 mm
Overall length		842 mm [*1]
Rated voltage		D.C. 36 V - 40 V max
Net weight		6.8 - 8.0 kg

[*1] With side handle and battery cartridge BL4040

- Due to our continuing program of research and development, the specifications herein are subject to change without notice.
- Specifications may differ from country to country.
- The weight may differ depending on the attachment(s), including the battery cartridge. The lightest and heaviest combinations, according to EPTA-Procedure 01/2014, are shown in the table.

Applicable battery cartridge and charger

Battery cartridge	BL4020 / BL4025* / BL4040* / BL4040F* / BL4050F* / BL4080F* * : Recommended battery
Charger	DC40RA / DC40RB / DC40RC

- Some of the battery cartridges and chargers listed above may not be available depending on your region of residence.

⚠***WARNING:*** **Only use the battery cartridges and chargers listed above.** Use of any other battery cartridges and chargers may cause injury and/or fire.

Recommended cord connected power source

Portable power pack	PDC01 / PDC1200

- The cord connected power source(s) listed above may not be available depending on your region of residence.
- Before using the cord connected power source, read instruction and cautionary markings on them.

Symbols

The followings show the symbols which may be used for the equipment. Be sure that you understand their meaning before use.

	Read instruction manual.
 Ni-MH Li-ion	Only for EU countries Due to the presence of hazardous components in the equipment, waste electrical and electronic equipment, accumulators and batteries may have a negative impact on the environment and human health. Do not dispose of electrical and electronic appliances or batteries with household waste! In accordance with the European Directive on waste electrical and electronic equipment and on accumulators and batteries and waste accumulators and batteries, as well as their adaptation to national law, waste electrical equipment, batteries and accumulators should be stored separately and delivered to a separate collection point for municipal waste, operating in accordance with the regulations on environmental protection. This is indicated by the symbol of the crossed-out wheeled bin placed on the equipment.

Intended use

The tool is intended for drilling the ground.

Noise

The typical A-weighted noise level determined according to EN62841-2-1:

Measured based on the intended use
Sound pressure level (L_{pA}) : 87 dB (A)
Sound power level (L_{WA}) : 95 dB (A)
Uncertainty (K) : 3 dB (A)

NOTE: The declared noise emission value(s) has been measured in accordance with a standard test method and may be used for comparing one tool with another.

NOTE: The declared noise emission value(s) may also be used in a preliminary assessment of exposure.

⚠*WARNING:* Wear ear protection.

⚠*WARNING:* The noise emission during actual use of the power tool can differ from the declared value(s) depending on the ways in which the tool is used especially what kind of workpiece is processed.

⚠*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).

Vibration

The vibration total value (tri-axial vector sum) determined according to EN62841-1:

Measured based on the intended use
Vibration emission ($a_{h,D}$) : 2.5 m/s^2 or less
Uncertainty (K) : 1.5 m/s^2

NOTE: The declared vibration total value(s) has been measured in accordance with a standard test method and may be used for comparing one tool with another.

NOTE: The declared vibration total value(s) 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 value(s) depending on the ways in which the tool is used especially what kind of workpiece is processed.

⚠*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).

Declarations of Conformity

For European countries only

The Declarations of conformity are included in Annex A to this instruction manual.

SAFETY WARNINGS

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.

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.

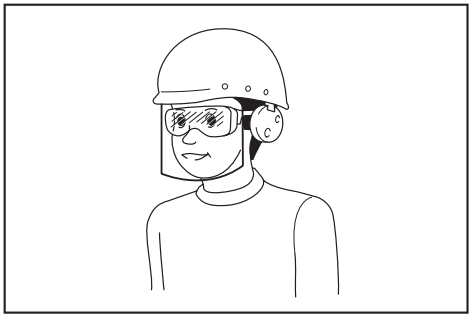
Electrical safety

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.
7. **Power tools can produce electromagnetic fields (EMF) that are not harmful to the user.** However, users of pacemakers and other similar medical devices should contact the maker of their device and/or doctor for advice before operating this power tool.

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 and clothing 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.
8. **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.
9. **Always wear protective goggles to protect your eyes from injury when using power tools. The goggles must comply with ANSI Z87.1 in the USA, EN 166 in Europe, or AS/NZS 1336 in Australia/New Zealand. In Australia/New Zealand, it is legally required to wear a face shield to protect your face, too.**



It is an employer's responsibility to enforce the use of appropriate safety protective equipments by the tool operators and by other persons in the immediate working area.

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 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.
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 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.
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.
8. **Keep handles and grasping surfaces dry, clean and free from oil and grease.** Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.
9. **When using the tool, do not wear cloth work gloves which may be entangled.** The entanglement of cloth work gloves in the moving parts may result in personal injury.

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.
5. **Do not use a battery pack or tool that is damaged or modified.** Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.
6. **Do not expose a battery pack or tool to fire or excessive temperature.** Exposure to fire or temperature above 130 °C may cause explosion.
7. **Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions.** Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.

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. **Never service damaged battery packs.** Service of battery packs should only be performed by the manufacturer or authorized service providers.
3. **Follow instruction for lubricating and changing accessories.**

Cordless Earth Auger safety warnings

1. **Hold the tool with both hands at the intended handles.** Loss of control can cause personal injury.
2. **Brace the tool properly before use.** This tool produces a high output torque and without properly bracing the tool during operation, loss of control may occur resulting in personal injury.
3. **Hold the power tool by insulated gripping surfaces, when performing an operation where the digging accessory may contact hidden wiring.** Digging accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.
4. **Never operate at higher speed than the maximum speed rating of the earth augering bit.** At higher speeds, the bit is likely to bend if allowed to rotate freely without contacting the workpiece, resulting in personal injury.
5. **Always start earth augering at low speed and with the earth augering tip in contact with the ground.** At higher speeds, the bit is likely to bend if allowed to rotate freely without contacting the ground, resulting in personal injury.
6. **Apply pressure only in direct line with the bit and do not apply excessive pressure.** Bits can bend causing breakage or loss of control, resulting in personal injury.
7. **The outside diameter of the auger bit must be within the drilling capacity specified in this instruction manual.** Incorrectly sized auger bit cannot be adequately controlled.
8. **Always be sure you have a firm footing. Be sure no one is below when using the tool in high locations.**
9. **Hold the tool firmly.**
10. **Keep hands away from rotating parts.**
11. **Do not leave the tool running. Operate the tool only when hand-held.**
12. **Do not touch the auger bit immediately after operation; it may be extremely hot and could burn your skin.**
13. **Some material contains chemicals which may be toxic. Take caution to prevent dust inhalation and skin contact. Follow material supplier safety data.**
14. **If the auger bit cannot be loosened even you remove the auger pin, use pliers to pull it out.** In such a case, pulling out the auger bit by hand may result in injury by its sharp edge.
15. **If something wrong with the tool such as abnormal sounds, stop operating immediately and ask your local Makita Service Center for repair.**
16. **Before operation, make sure that there is no buried object such as electric pipe, water pipe or gas pipe in the ground.** Otherwise, the tool may touch them, resulting an electric shock, electrical leakage or gas leak.

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 battery cartridge

1. **Before using battery cartridge, read all instructions and cautionary markings on (1) battery charger, (2) battery, and (3) product using battery.**
2. **Do not disassemble or tamper with the battery cartridge.** It may result in a fire, excessive heat, or explosion.
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 battery cartridge:**
   (1) **Do not touch the terminals with any conductive material.**
   (2) **Avoid storing battery cartridge in a container with other metal objects such as nails, coins, etc.**
   (3) **Do not expose battery cartridge to water or rain.**

   A battery short can cause a large current flow, overheating, possible burns and even a breakdown.
6. **Do not store and use the tool and battery cartridge in locations where the temperature may reach or exceed 50 °C (122 °F).**
7. **Do not incinerate the battery cartridge even if it is severely damaged or is completely worn out. The battery cartridge can explode in a fire.**
8. **Do not nail, cut, crush, throw, drop the battery cartridge, or hit against a hard object to the battery cartridge.** Such conduct may result in a fire, excessive heat, or explosion.
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. **When disposing the battery cartridge, remove it from the tool and dispose of it in a safe place. Follow your local regulations relating to disposal of battery.**

12. **Use the batteries only with the products specified by Makita.** Installing the batteries to non-compliant products may result in a fire, excessive heat, explosion, or leak of electrolyte.
13. **If the tool is not used for a long period of time, the battery must be removed from the tool.**
14. **During and after use, the battery cartridge may take on heat which can cause burns or low temperature burns. Pay attention to the handling of hot battery cartridges.**
15. **Do not touch the terminal of the tool immediately after use as it may get hot enough to cause burns.**
16. **Do not allow chips, dust, or soil stuck into the terminals, holes, and grooves of the battery cartridge.** It may cause heating, catching fire, burst and malfunction of the tool or battery cartridge, resulting in burns or personal injury.
17. **Unless the tool supports the use near high-voltage electrical power lines, do not use the battery cartridge near high-voltage electrical power lines.** It may result in a malfunction or breakdown of the tool or battery cartridge.
18. **Keep the battery away from children.**

SAVE THESE INSTRUCTIONS.

⚠*CAUTION:* Only use genuine Makita batteries. Use of non-genuine Makita batteries, or batteries that have been altered, may result in the battery bursting causing fires, personal injury and damage. It will also void the Makita warranty for the Makita tool and charger.

Tips for maintaining maximum battery life

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

INITIAL SETTING

⚠*CAUTION:* Always be sure that the tool is switched off and the battery cartridge is removed before carrying out any work on the tool.

PARTS DESCRIPTION

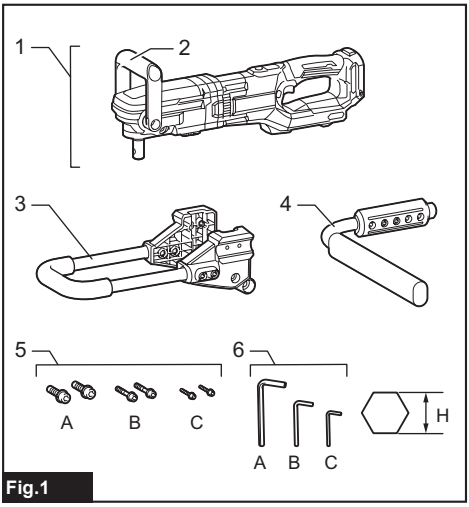


Fig.1

1	Main tool	2	Front handle
3	Side handle	4	Reaction receiver
5	Bolt	6	Wrench

Specifications of the bolt / wrench

-	Nominal diameter of the bolt	Wrench size (H)
A	M 12	10 mm
B	M 8	6 mm
C	M 6	5 mm

Setting up tool

⚠*CAUTION:* Always be sure that the front handle, side handle and reaction receiver are installed securely before operation.

***NOTICE:* Do not over tighten the bolts.** It may damage the tool.

Installing the side handle

Remove the bolts shown in the figure from the tool. Keep the bolts so that they are not lost.

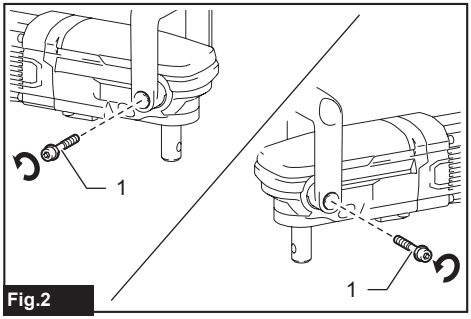


Fig.2

► **1.** Bolt

Place the side handle on the tool.
Tighten the all four bolts temporarily, and then securely tighten the bolts using the wrench.

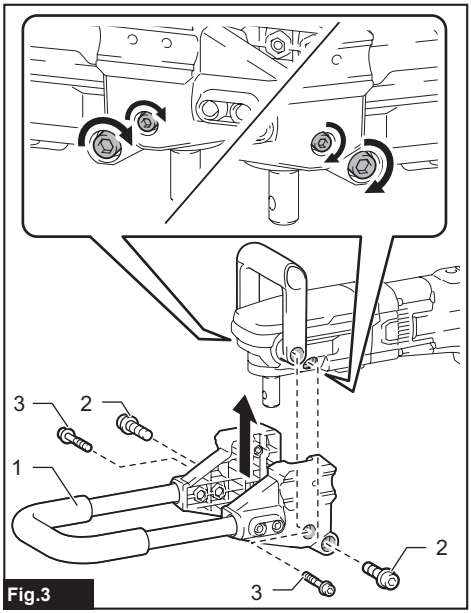


Fig.3

► **1.** Side handle **2.** Bolt A **3.** Bolt B

Installing the reaction receiver

Place the reaction receiver so that the bar of the reaction receiver comes to the left side of the operator. Adjust the position of the reaction receiver so that the axis of the spindle is in the center of the operator's body. Fasten the bolts firmly.

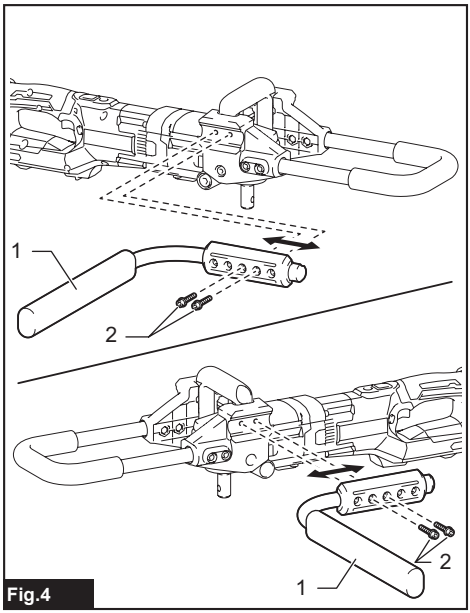


Fig.4

► **1.** Bar of the reaction receiver **2.** Bolt C

FUNCTIONAL DESCRIPTION

⚠*CAUTION:* Always be sure that the tool is switched off and the battery cartridge is removed before adjusting or checking function on the tool.

Indicating the remaining battery capacity

Press the check button on the battery cartridge to indicate the remaining battery capacity. The indicator lamps light up for a few seconds.

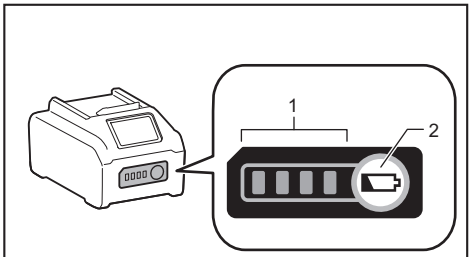


Fig.5

► **1.** Indicator lamps **2.** Check button

Indicator lamps			Remaining capacity
Lighted	Off	Blinking	
■	□	◪	
■	■ ■ ■		75% to 100%
■	■ ■ □		50% to 75%
■	■ □ □		25% to 50%
■	□ □ □		0% to 25%
◪	□ □ □		Charge the battery.
■	■ □ □		The battery may have malfunctioned.
	↑ ↓		
	□ □ ■ ■		

NOTE: Depending on the conditions of use and the ambient temperature, the indication may differ slightly from the actual capacity.

NOTE: The first (far left) indicator lamp will blink when the battery protection system works.

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 or battery is placed under one of the following conditions:

Overload protection

When the tool/battery is operated in a manner that causes it to draw an abnormally high current, the tool stops automatically. In this situation, turn the tool off and stop the application that caused the tool to become overloaded. Then turn the tool on to restart.

Overheat protection

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

Overdischarge protection

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

Protections against other causes

Protection system is also designed for other causes that could damage the tool and allows the tool to stop automatically. Take all the following steps to clear the causes, when the tool has been brought to a temporary halt or stop in operation.

1. Turn the tool off, and then turn it on again to restart.
2. Charge the battery(ies) or replace it/them with recharged battery(ies).
3. Let the tool and battery(ies) cool down.

If no improvement can be found by restoring protection system, then contact your local Makita Service Center.

Main power switch

⚠*WARNING:* When the tool is not in use, turn the tool off and set the reversing switch lever in the neutral position to lock the trigger. Always be sure that the main power lamp goes out after you turn the tool off.

To stand by the tool, press the main power button until the main power lamp lights up. To turn off, press the main power button again.

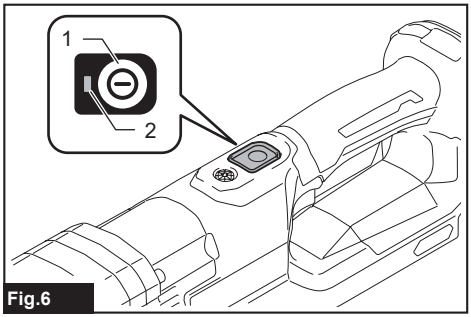


Fig.6

► **1.** Main power button **2.** Main power lamp

NOTE: This tool employs the auto power-off function. To avoid unintentional start up, the main power switch will automatically shut down when the switch trigger is not pulled for about 5 minutes after the main power switch is turned on.

Switch action

⚠*CAUTION:* Before installing the battery cartridge into the tool, always check to see that the switch trigger actuates properly and returns to the "OFF" position when released.

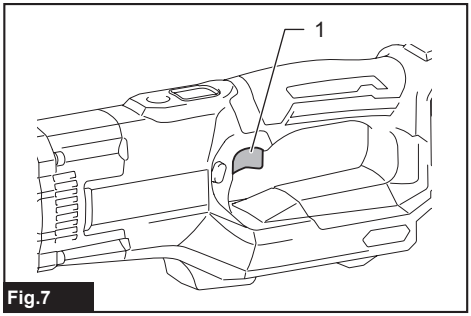


Fig.7

► **1.** Switch trigger

To start the tool, pull the switch trigger with the main power switch on. Tool speed is increased by increasing pressure on the switch trigger. Release the switch trigger to stop.

NOTE: The tool automatically stops if you keep pulling the switch trigger for about 6 minutes.

Lighting up the front lamp

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

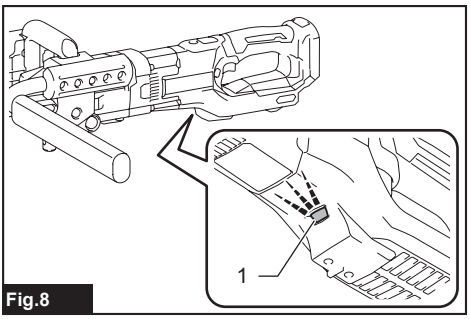


Fig.8

► **1.** Lamp

Pull the switch trigger to light up the lamp. The lamp keeps on lighting while the switch trigger is being pulled. The lamp goes out approximately 10 seconds after releasing the switch trigger.

NOTE: When the tool is overheated, the tool stops automatically and the lamp starts flashing. In this case, release the switch trigger. The lamp turns off in 5 minute(s).

NOTE: Use a dry cloth to wipe the dirt off the lens of the lamp. Be careful not to scratch the lens of lamp, or it may lower the illumination.

Reversing switch action

⚠*CAUTION:* Always check the direction of rotation before operation.

⚠*CAUTION:* Use the reversing switch only after the tool comes to a complete stop. Changing the direction of rotation before the tool stops may damage the tool.

⚠*CAUTION:* When not operating the tool, always set the reversing switch lever to the neutral position.

This tool has a reversing switch to change the direction of rotation. Depress the reversing switch lever from the A side for clockwise rotation or from the B side for counterclockwise rotation. When the reversing switch lever is in the neutral position, the switch lever cannot be pulled.

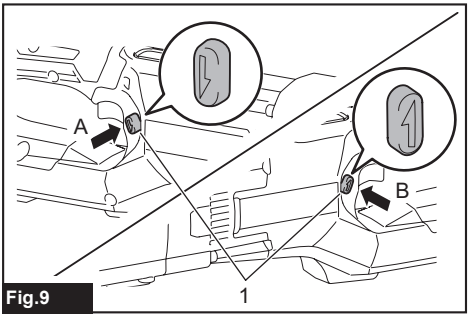


Fig.9

► **1.** Reversing switch lever

Automatic speed change function

This tool has "high speed mode" and "high torque mode".
The tool automatically changes the operation mode depending on the work load. When the work load is low, the tool will run in the "high speed mode" for quicker operation. When the work load is high, the tool will run in the "high torque mode" for powerful operation.

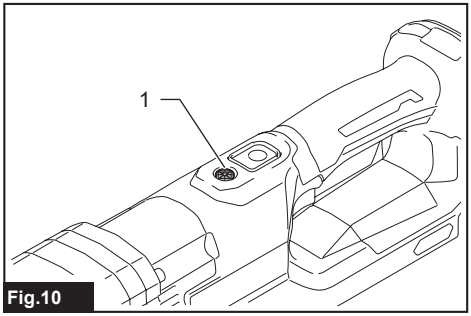


Fig.10

► **1.** Mode indicator

The mode indicator lights up in green when the tool is running in "high torque mode".
If the tool is operated with excessive load, the mode indicator will blink in green. The mode indicator stops blinking and then lights up or turns off if you reduce the load on the tool.

Mode indicator status			Operation mode
On	Off	Blinking	
			High speed mode
			High torque mode
			Overload alert

Speed change

NOTICE: **Use the speed change knob only after the tool comes to a complete stop.** Changing the tool speed before the tool stops may damage the tool.

NOTICE: **Always set the speed change knob carefully into the correct position.** If you operate the tool with the speed change knob positioned halfway between the position 1 and the position 2, the tool may be damaged.

Two speed ranges can be preselected with the speed change knob.
To change the speed, depress the lock button and turn the speed change knob so that the pointer points to the position 1 for low speed or the position 2 for high speed.

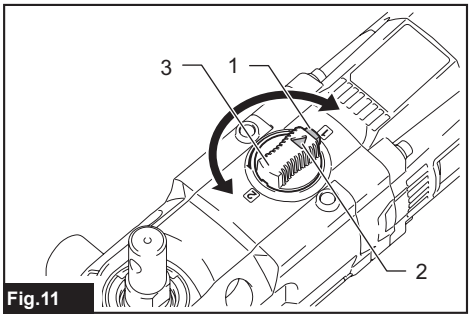


Fig.11

► **1.** Lock button **2.** Pointer **3.** Speed change knob

Torque limiter

The torque limiter will actuate when a certain torque level is reached at the low speed setting (position 1). The motor will disengage from the output shaft. When this happens, the tool bit will stop turning.
To restart the tool, lift the tool bit out of the hole and then pull the switch trigger again.

Accidental restart preventive function

A lockout function for switch trigger to prevent unintended operation. The tool will not start if you press the main power button while pulling the switch trigger.
To restart the tool, release the switch trigger and then pull it again.

Electronic function

The tool is equipped with the following electronic functions for easy operation.

Electric brake

This tool is equipped with an electric brake. If the tool consistently fails to quickly cease to function after the switch trigger is released, have the tool serviced at a Makita service center.

Soft start feature

This function allows the smooth start-up of the tool by limiting the start-up torque.

ASSEMBLY

Installing or removing battery cartridge

⚠CAUTION: Always switch off the tool before installing or removing of the battery cartridge.

⚠CAUTION: Hold the tool and the battery cartridge firmly when installing or removing battery cartridge. Failure to hold the tool and the battery cartridge firmly may cause them to slip off your hands and result in damage to the tool and battery cartridge and a personal injury.

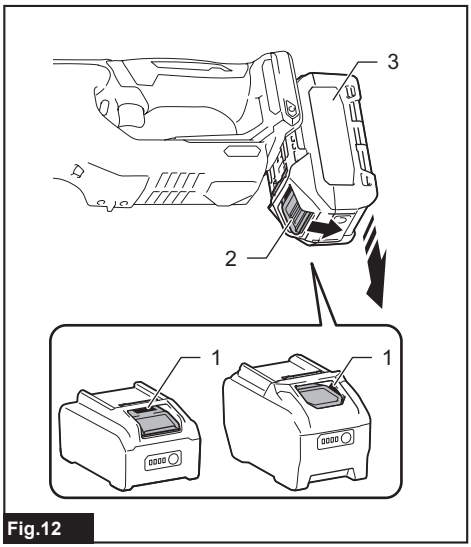


Fig.12

► **1.** Red indicator **2.** Button **3.** Battery cartridge

To remove the battery cartridge, slide it from the tool while sliding the button on the front of the cartridge.

To install the battery cartridge, align the tongue on the battery cartridge with the groove in the housing and slip it into place. Insert it all the way until it locks in place with a little click. If you can see the red indicator as shown in the figure, it is not locked completely.

⚠CAUTION: Always install the battery cartridge fully until the red indicator cannot be seen. If not, it may accidentally fall out of the tool, causing injury to you or someone around you.

⚠CAUTION: Do not install the battery cartridge forcibly. If the cartridge does not slide in easily, it is not being inserted correctly.

Mounting auger bit

⚠CAUTION: Always be sure that the tool is switched off and the battery cartridge is removed before carrying out any work on the tool.

⚠CAUTION: When attaching the auger bit to the spindle, make sure that the auger pin is locked and inspect the auger pin for any damages.

⚠CAUTION: When carrying the tool, remove the auger bit from the tool.

Mounting auger bit on spindle

NOTE: The shape and mechanism of the auger bit and the auger pin may vary depending on your auger bit.

Align the hole on the spindle with the hole on the auger bit.
Put the auger bit onto the spindle.

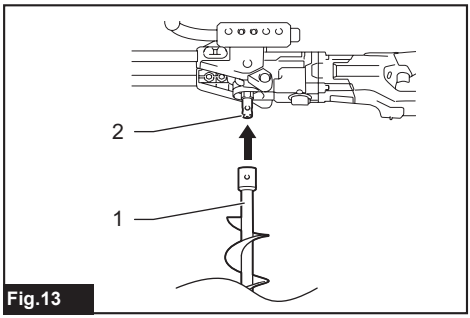


Fig.13

► **1.** Auger bit **2.** Spindle

Fix the auger bit with the auger pin and the safety lock.

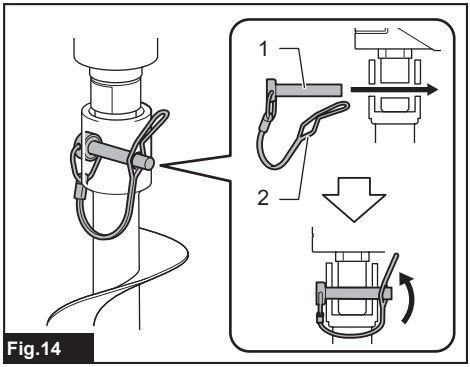


Fig.14

► **1.** Auger pin **2.** Safety lock

OPERATION

⚠*CAUTION:* This is a powerful tool which generates high torque. It is important that the tool is securely held and properly braced.

⚠*CAUTION:* Before operating, check that there is no foreign matter (sand, dirt, etc.) stuck in the openings or moving parts.

Work posture

Maintaining proper operating position is one of the most important and effective procedures for controlling kickback. Keep proper positioning by practicing the following points.

- Position the tool so that the bar of the reaction receiver always contacts on the left side of your waist.
- Grasp the handle and the side handle with both hands. Wrap your fingers around the gripping areas, keeping the gripping areas cradled between your thumbs and forefingers.
- Keep your back as vertical as possible by bending the legs as required during the digging process.
- Stay alert to the torque reaction force of the tool. Always keep the operating position that you can withstand the torque reaction force.

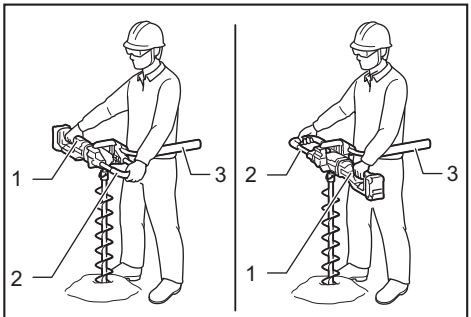


Fig.15

► **1.** Handle **2.** Side handle **3.** Bar of the reaction receiver

⚠*WARNING:* Avoid improper positioning. Do not stand too far from the tool. Proper reaction and control may not be achieved in the event of kickback.

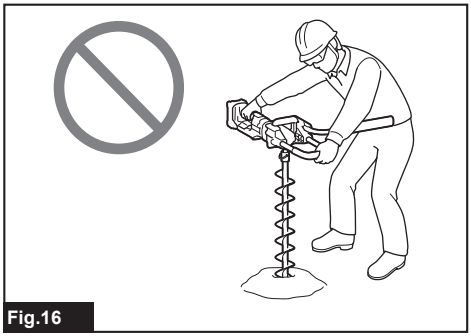


Fig.16

Digging operation

⚠*CAUTION:* Hold the tool firmly when operating the tool.

⚠*CAUTION:* Keep your face and hands away from drilling attachments, such as an auger bit, any rotating parts and drill cutting waste during operation.

⚠*CAUTION:* When leaving the tool, such as during a break, do not leave the tool stabbed in the ground or lean it against a wall. Store the tool in a stable condition.

***NOTICE:* When the rotation speed comes down extremely, reduce the load or stop the tool to avoid the tool damage.**

***NOTICE:* Pressing excessively on the tool will not speed up the digging.** In fact, this excessive pressure will only serve to damage the tip of the auger bit, decrease the tool performance and shorten the service life of the tool.

***NOTICE:* Avoid digging in material that you suspect contains hidden nails or other things that may cause the auger bit to bind or break.**

***NOTICE:* If the tool is operated continuously until the battery cartridge has depleted, allow the tool to rest for 15 minutes before proceeding with a fresh battery.**

- Select the speed (high/low) properly depending on the hole diameter and condition of the ground.
- When digging a deep hole or digging in clay soil, do not try to dig at once. Dig the hole by lifting up and down the tool so that the soil in the hole can be discharged.
- If the rotation speed of the tool slows down due to high load operation, lift the tool up little, and move the tool up and down to dig in small steps.

When rotating the auger bit in reverse

A stuck auger bit can be removed simply by setting the reversing switch to reverse rotation in order to back out. When reversing, brace the tool by your body to prevent a clockwise reaction.

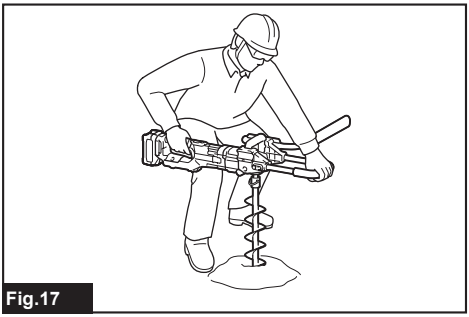


Fig.17

⚠*CAUTION:* Hold the tool firmly. The tool may back out abruptly and cause an injury.

MAINTENANCE

⚠***CAUTION:*** **Always be sure that the tool is switched off and the battery cartridge is removed 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.

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.

- Auger bits
- Handle set
- Auger bit extension bar
- Makita genuine battery and charger

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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