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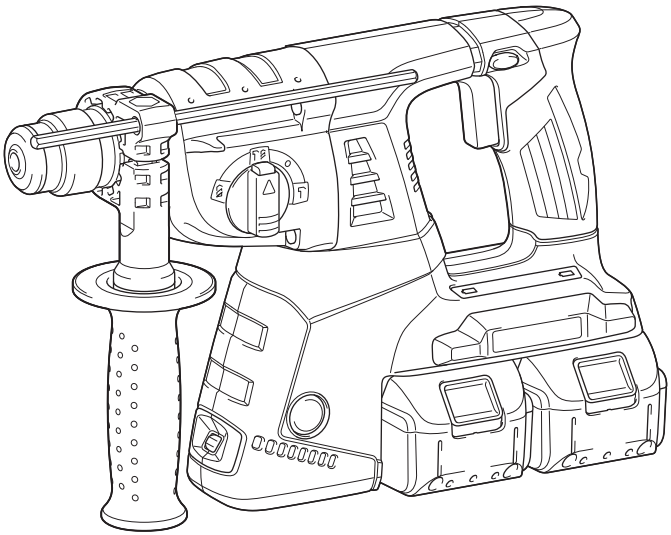

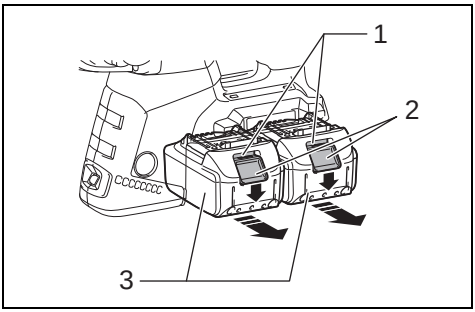

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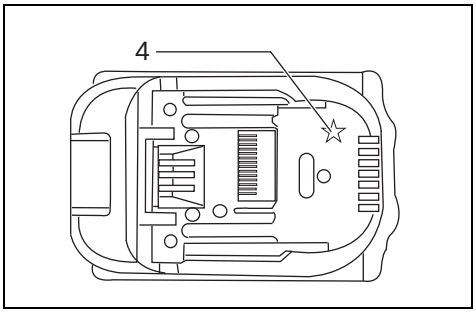

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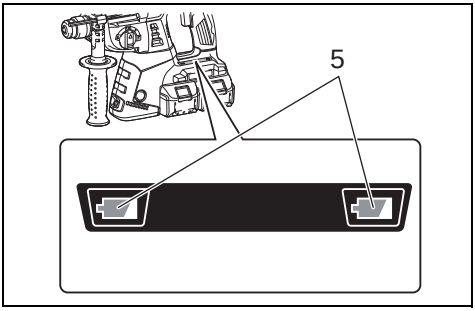

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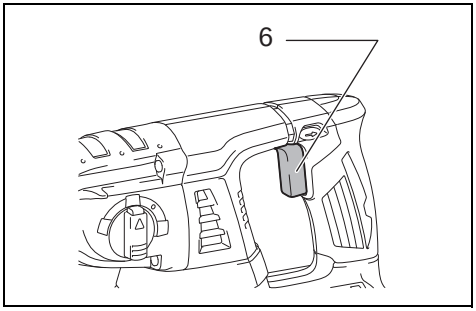

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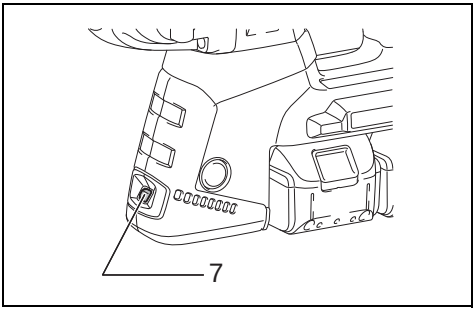

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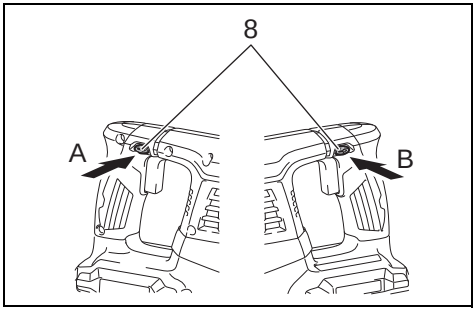

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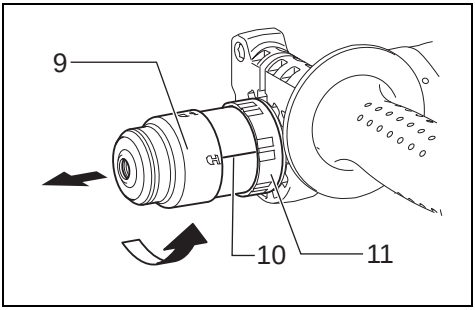

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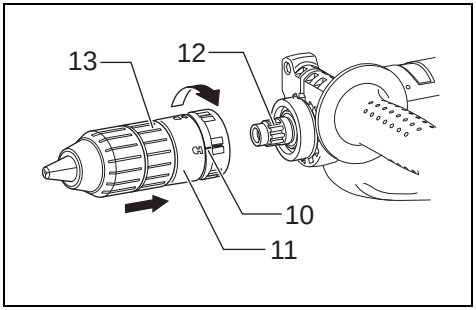

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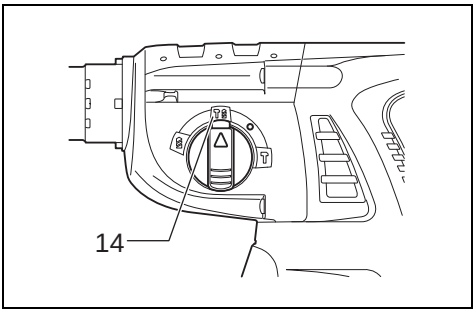

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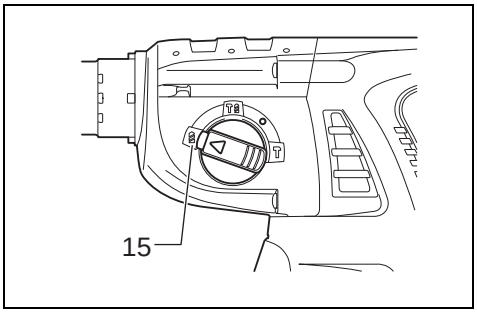

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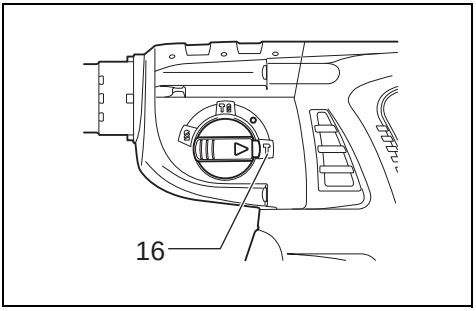

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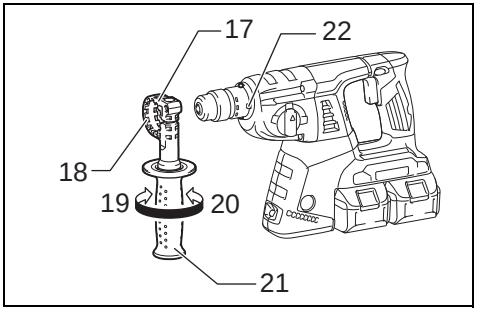

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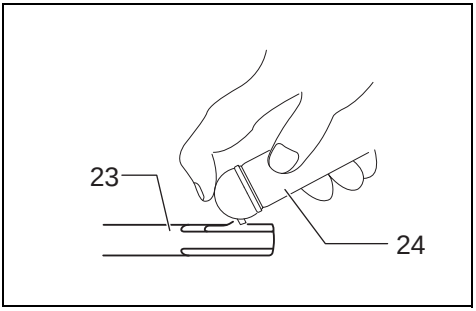

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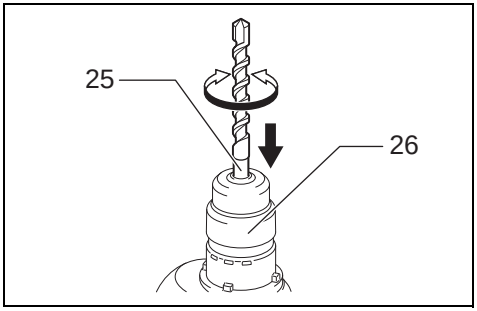

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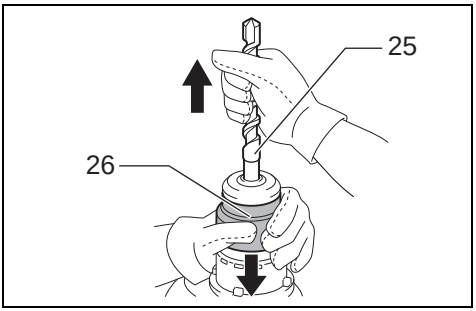

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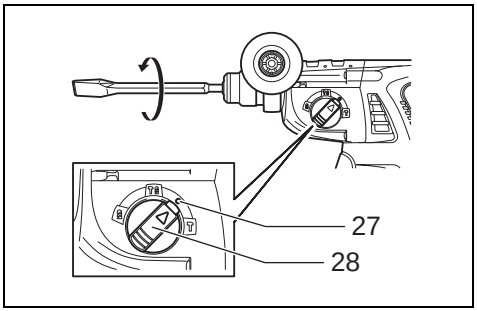

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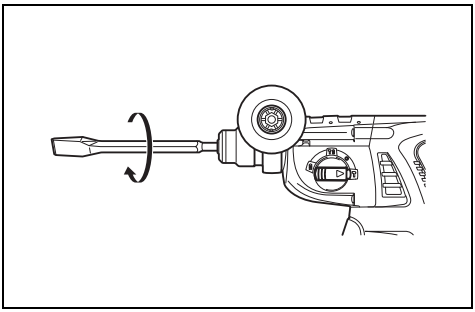

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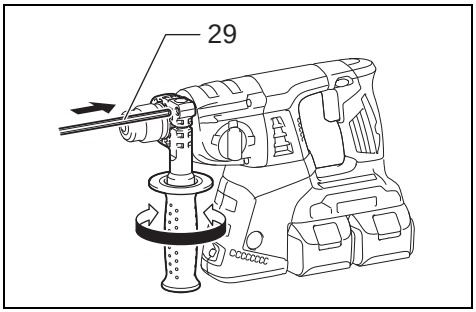

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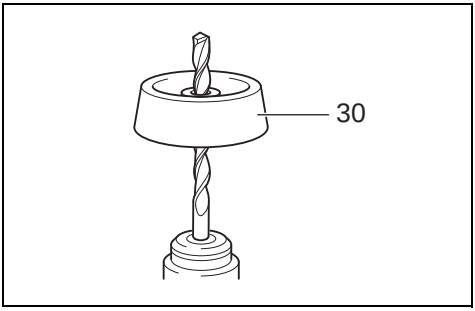

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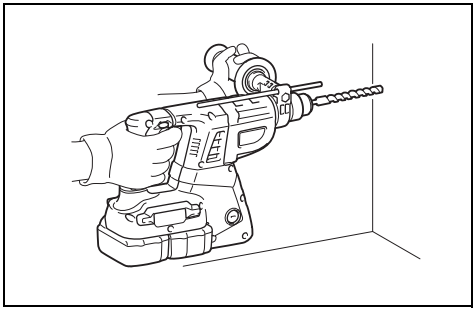

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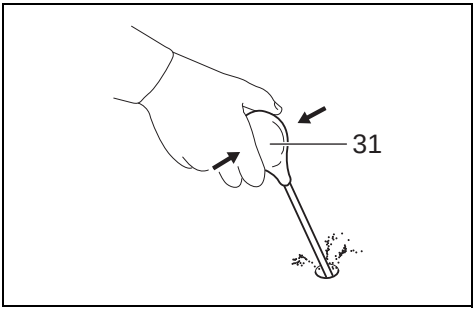

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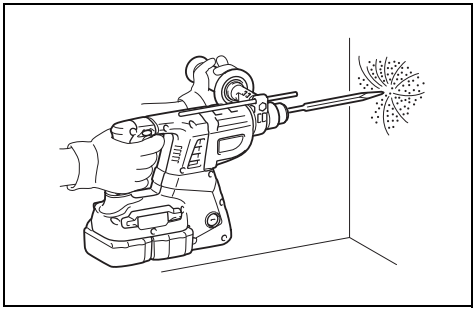

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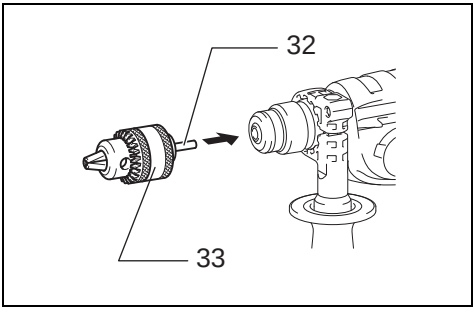

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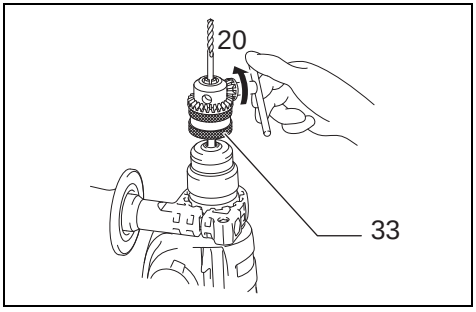

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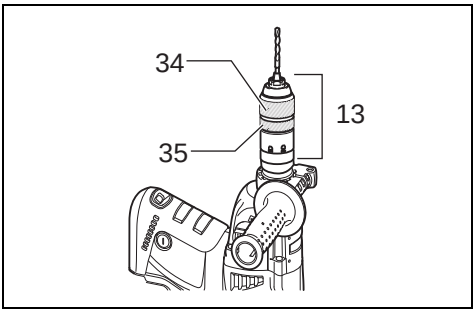

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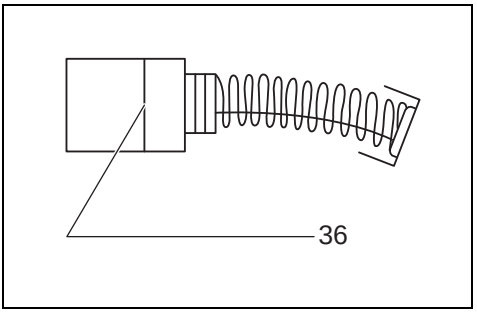

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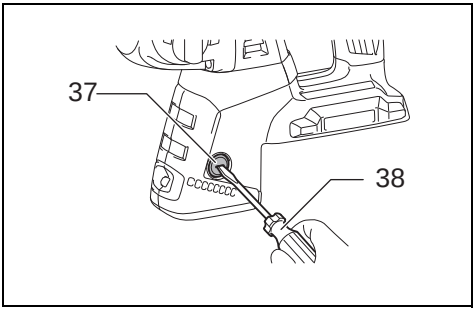

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Explanation of general view

1 Red indicator
2 Button
3 Battery cartridge
4 Star marking
5 Battery indicator
6 Switch trigger
7 Lamp
8 Reversing switch lever
9 Quick change chuck for SDS-plus
10 Change cover line
11 Change cover
12 Spindle
13 Quick change drill chuck
14 Rotation with hammering
15 Rotation only
16 Hammering only
17 Grip base
18 Teeth
19 Loosen
20 Tighten
21 Side grip
22 Protrusion
23 Bit shank
24 Bit grease
25 Bit
26 Chuck cover
27 ◯ symbol
28 Action mode changing knob
29 Depth gauge
30 Dust cup
31 Blow-out bulb
32 Chuck adapter
33 Drill chuck
34 Sleeve
35 Ring
36 Limit mark
37 Brush holdre cap
38 Screwdriver

SPECIFICATIONS

Model		DHR263	DHR264
Capacities	Concrete	26 mm	
	Steel	13 mm	
	Wood	32 mm	
No load speed (min^{-1})		0 – 1,250	
Blows per minute		0 – 5,000	
Overall length		350 mm	374 mm
Net weight		4.6 kg	4.7 kg
Rated voltage		D.C. 36 V	

- 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

ENE043-1

Intended use
The tool is intended for hammer drilling and drilling in brick, concrete and stone as well as for chiselling work.
It is also suitable for drilling without impact in wood, metal, ceramic and plastic.

GEA010-1

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.

GEB046-2

CORDLESS ROTARY HAMMER SAFETY WARNINGS

1. **Wear ear protectors.** Exposure to noise can cause hearing loss.
2. **Use auxiliary handle(s), if supplied with the tool.** Loss of control can cause personal injury.
3. **Hold power tools by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring.** Cutting accessory contacting a “live” wire may make exposed metal parts of the power tool “live” and could give the operator an electric shock.
4. **Wear a hard hat (safety helmet), safety glasses and/or face shield. Ordinary eye or sun glasses are NOT safety glasses. It is also highly recommended that you wear a dust mask and thickly padded gloves.**
5. **Be sure the bit is secured in place before operation.**
6. **Under normal operation, the tool is designed to produce vibration. The screws can come loose easily, causing a breakdown or accident. Check tightness of screws carefully before operation.**
7. **In cold weather or when the tool has not been used for a long time, let the tool warm up for a while by operating it under no load. This will loosen up the lubrication. Without proper warm-up, hammering operation is difficult.**
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 with both hands.**
10. **Keep hands away from moving parts.**
11. **Do not leave the tool running. Operate the tool only when hand-held.**

12. **Do not point the tool at any one in the area when operating. The bit could fly out and injure someone seriously.**
13. **Do not touch the bit or parts close to the bit immediately after operation; they may be extremely hot and could burn your skin.**
14. **Some material contains chemicals which may be toxic. Take caution to prevent dust inhalation and skin contact. Follow material supplier safety data.**

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.

ENC007-8

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 battery cartridge.**
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 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. **Be careful not to drop or strike battery.**
9. **Do not use a damaged battery.**
10. **Follow your local regulations relating to disposal of battery.**

SAVE THESE INSTRUCTIONS.

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. **Charge the battery cartridge once in every six months if you do not use it for a long period of time.**

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.

Installing or removing battery cartridge (Fig. 1)

⚠ CAUTION:

- Always switch off the tool before installing or removing of the battery cartridge.
- **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.

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 on the upper side of the button, 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.
- Do not install the battery cartridge forcibly. If the cartridge does not slide in easily, it is not being inserted correctly.

NOTE:

- The tool does not work with only one battery cartridge.

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 are placed under one of the following conditions. In some conditions, the indicators light up.

Overload protection

When the tool is operated in a manner that causes it to draw an abnormally high current, the tool automatically stops without any indication. 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 for battery

When the battery is overheated, the tool stops automatically without any indication. The tool does not start even if pulling the switch trigger. In this situation, let the battery cool before turning the tool on again.

NOTE:
- The battery overheat protection works only with a battery cartridge with a star marking. **(Fig. 2)**

Overdischarge protection (Fig. 3)

When the remaining battery capacity gets low, the battery indicator blinks on the applicable battery side. By further use, the tool stops and the battery indicator lights up about 10 seconds. In this situation, charge the battery cartridge.

Switch action (Fig. 4)

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

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

Lighting up the lamp (Fig. 5)

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

Pull the switch trigger to light up the lamp. The lamp keeps on lighting while the switch trigger is being pulled. The light automatically goes out 10 – 15 seconds after the switch trigger is released.

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.
- Do not use thinner or gasoline to clean the lamp. Such solvents may damage it.

Reversing switch action (Fig. 6)

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 trigger cannot be pulled.

⚠ **CAUTION:**
- Always check the direction of rotation before operation.
- 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.
- When not operating the tool, always set the reversing switch lever to the neutral position.

Changing the quick change chuck for SDS-plus

For Model DHR264

The quick change chuck for SDS-plus can be easily exchanged for the quick change drill chuck.

Removing the quick change chuck for SDS-plus (Fig. 7)

⚠ **CAUTION:**
- Before removing the quick change chuck for SDS-plus, always remove the bit.

Grasp the change cover of the quick change chuck for SDS-plus and turn in the direction of the arrow until the change cover line moves from the symbol to the symbol. Pull forcefully in the direction of the arrow.

Attaching the quick change drill chuck (Fig. 8)

Check the line of the quick change drill chuck shows the symbol. Grasp the change cover of the quick change drill chuck and set the line to the symbol.
Place the quick change drill chuck on the spindle of the tool.
Grasp the change cover of the quick change drill chuck and turn the change cover line to the symbol until a click can clearly be heard.

Selecting the action mode

Rotation with hammering (Fig. 9)

For drilling in concrete, masonry, etc., depress the lock button and rotate the action mode changing knob to the symbol. Use a tungsten-carbide tipped bit.

Rotation only (Fig. 10)

For drilling in wood, metal or plastic materials, depress the lock button and rotate the action mode changing knob to the symbol. Use a twist drill bit or wood bit.

Hammering only (Fig. 11)

For chipping, scaling or demolition operations, depress the lock button and rotate the action mode changing knob to the symbol. Use a bull point, cold chisel, scaling chisel, etc.

⚠ **CAUTION:**
- Do not rotate the action mode changing knob when the tool is running. The tool will be damaged.
- To avoid rapid wear on the mode change mechanism, be sure that the action mode changing knob is always positively located in one of the three action mode positions.

Torque limiter

The torque limiter will actuate when a certain torque level is reached. The motor will disengage from the output shaft. When this happens, the bit will stop turning.

⚠ **CAUTION:**
- As soon as the torque limiter actuates, switch off the tool immediately. This will help prevent premature wear of the tool.
- Hole saws cannot be used with this tool. They tend to pinch or catch easily in the hole. This will cause the torque limiter to actuate too frequently.

ASSEMBLY

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

Side grip (auxiliary handle) (Fig. 12)

⚠ **CAUTION:**
- Always use the side grip to ensure operating safety.

Install the side grip so that the teeth on the grip fit in between the protrusions on the tool barrel. Then tighten the grip by turning clockwise at the desired position. It may be swung 360° so as to be secured at any position.

Bit grease

Coat the bit shank head beforehand with a small amount of bit grease (about 0.5 – 1 g). This chuck lubrication assures smooth action and longer service life.

Installing or removing the bit

Clean the bit shank and apply bit grease before installing the bit. **(Fig. 13)**

Insert the bit into the tool. Turn the bit and push it in until it engages.

If the bit cannot be pushed in, remove the bit. Pull the chuck cover down a couple of times. Then insert the bit again. Turn the bit and push it in until it engages. **(Fig. 14)**

After installing, always make sure that the bit is securely held in place by trying to pull it out.

To remove the bit, pull the chuck cover down all the way and pull the bit out. **(Fig. 15)**

Bit angle (when chipping, scaling or demolishing) (Fig. 16 & 17)

The bit can be secured at the desired angle. To change the bit angle, depress the lock button and rotate the action mode changing knob to the ○ symbol. Turn the bit to the desired angle.

Depress the lock button and rotate the action mode changing knob to the symbol. Then make sure that the bit is securely held in place by turning it slightly.

Depth gauge (Fig. 18)

The depth gauge is convenient for drilling holes of uniform depth. Loosen the side grip and insert the depth gauge into the hole in the side grip. Adjust the depth gauge to the desired depth and tighten the side grip.

NOTE:

- The depth gauge cannot be used at the position where the depth gauge strikes against the gear housing.

Dust cup (Fig. 19)

Use the dust cup to prevent dust from falling over the tool and on yourself when performing overhead drilling operations. Attach the dust cup to the bit as shown in the figure. The size of bits which the dust cup can be attached to is as follows.

	Bit diameter
Dust cup 5	6 mm – 14.5 mm
Dust cup 9	12 mm – 16 mm

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OPERATION

Hammer drilling operation (Fig. 20)

Set the action mode changing knob to the symbol.

Position the bit at the desired location for the hole, then pull the switch trigger.

Do not force the tool. Light pressure gives best results.

Keep the tool in position and prevent it from slipping away from the hole.

Do not apply more pressure when the hole becomes clogged with chips or particles. Instead, run the tool at an idle, then remove the bit partially from the hole. By repeating this several times, the hole will be cleaned out and normal drilling may be resumed.

⚠ CAUTION:

- There is a tremendous and sudden twisting force exerted on the tool/bit at the time of hole breakthrough, when the hole becomes clogged with chips and particles, or when striking reinforcing rods embedded in the concrete. Always use the side grip (auxiliary handle) and firmly hold the tool by both side grip and switch handle during operations. Failure to do so may result in the loss of control of the tool and potentially severe injury.

NOTE:

- Eccentricity in the bit rotation may occur while operating the tool with no load. The tool automatically centers itself during operation. This does not affect the drilling precision.

Blow-out bulb (optional accessory) (Fig. 21)

After drilling the hole, use the blow-out bulb to clean the dust out of the hole.

Chipping/Scaling/Demolition (Fig. 22)

Set the action mode changing knob to the symbol.

Hold the tool firmly with both hands. Turn the tool on and apply slight pressure on the tool so that the tool will not bounce around, uncontrolled. Pressing very hard on the tool will not increase the efficiency.

Drilling in wood or metal

For Model DHR263 (Fig. 23 & 24)

Use the optional drill chuck assembly. When installing it, refer to “Installing or removing the bit” described on the previous page.

Set the action mode changing knob so that the pointer points to the symbol.

For Model DHR264 (Fig. 25)

Use the quick change drill chuck as standard equipment. When installing it, refer to “Changing the quick change chuck for SDS-plus” described on the previous page.

Hold the ring and turn the sleeve counterclockwise to open the chuck jaws. Place the bit in the chuck as far as it will go. Hold the ring firmly and turn the sleeve clockwise to tighten the chuck. To remove the bit, hold the ring and turn the sleeve counterclockwise.

Set the action mode changing knob to the symbol.

You can drill up to 13 mm diameter in metal and up to 32 mm diameter in wood.

⚠ CAUTION:

- Never use “rotation with hammering” when the drill chuck assembly is installed on the tool. The drill chuck assembly may be damaged. Also, the drill chuck will come off when reversing the tool.
- Pressing excessively on the tool will not speed up the drilling. In fact, this excessive pressure will only serve to damage the tip of your bit, decrease the tool performance and shorten the service life of the tool.
- There is a tremendous twisting force exerted on the tool/bit at the time of hole breakthrough. Hold the tool firmly and exert care when the bit begins to break through the workpiece.
- A stuck bit can be removed simply by setting the reversing switch to reverse rotation in order to back out. However, the tool may back out abruptly if you do not hold it firmly.
- Always secure small workpieces in a vise or similar hold-down device.

MAINTENANCE

⚠ **CAUTION:**
- Always be sure that the tool is switched off and the battery cartridge is removed before attempting to perform inspection or maintenance.
- Never use gasoline, benzine, thinner, alcohol or the like. Discoloration, deformation or cracks may result.

Replacing carbon brushes (Fig. 26 & 27)

Remove and check the carbon brushes regularly. Replace when they wear down to the limit mark. Keep the carbon brushes clean and free to slip in the holders. Both carbon brushes should be replaced at the same time. Use only identical carbon brushes.

Use a screwdriver to remove the brush holder caps. Take out the worn carbon brushes, insert the new ones and secure the brush holder caps.

Remount the holder cap covers on the tool.

To maintain product SAFETY and RELIABILITY, repairs, any other maintenance or adjustment should be performed by Makita Authorized 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.

- SDS-Plus Carbide-tipped bits
- Bull point
- Cold chisel
- Scaling chisel
- Grooving chisel
- Drill chuck assembly
- Drill chuck S13
- Chuck adapter
- Chuck key S13
- Bit grease
- Side grip
- Depth gauge
- Blow-out bulb
- Dust cup
- Dust extractor attachment
- Safety goggles
- Plastic carrying case
- Keyless drill chuck
- 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.

ENG905-1

Noise

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

Sound pressure level (L_{pA}): 94 dB (A)
Sound power level (L_{WA}): 105 dB (A)
Uncertainty (K): 3 dB (A)

Wear ear protection

ENG900-1

Vibration

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

Model DHR263

Work mode: hammer drilling into concrete
Vibration emission ($a_{h, HD}$): 14.5 m/s^2
Uncertainty (K): 1.5 m/s^2

Work mode: chiselling
Vibration emission ($a_{h, CHeq}$): 14.0 m/s^2
Uncertainty (K): 1.5 m/s^2

Work mode: drilling into metal
Vibration emission ($a_{h, D}$): 3.0 m/s^2
Uncertainty (K): 1.5 m/s^2

Model DHR264

Work mode: hammer drilling into concrete
Vibration emission ($a_{h, HD}$): 15.5 m/s^2
Uncertainty (K): 1.5 m/s^2

Work mode: chiselling
Vibration emission ($a_{h, CHeq}$): 14.0 m/s^2
Uncertainty (K): 1.5 m/s^2

Work mode: drilling into metal
Vibration emission ($a_{h, D}$): 5.0 m/s^2
Uncertainty (K): 1.5 m/s^2

ENG901-1
- 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.
- 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.
- 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).

For European countries only

EC Declaration of Conformity

We Makita Corporation as the responsible manufacturer declare that the following Makita machine(s):

Designation of Machine:
Cordless Combination Hammer
Model No./Type: DHR263, DHR264
are of series production and

Conforms to the following European Directives:

2006/42/EC

And are manufactured in accordance with the following standards or standardised documents:

EN60745

The technical documentation is kept by:

Makita International Europe Ltd.
Technical Department,
Michigan Drive, Tongwell,
Milton Keynes, Bucks MK15 8JD, England

18.6.2013

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