ORIGINAL INSTRUCTIONS

Rotary Hammer Drill

RSDS1500

Important!

It is essential that you read the instructions in this manual before assembling, operating and maintaining the product.

Subject to technical modification.

Safety, performance, and dependability have been given top priority in the design of your rotary hammer drill.

INTENDED USE

This rotary hammer drill is intended to be used only by adults who have read and understood the instructions and warnings in this manual and can be considered responsible for their actions. It is to be used by a single operator by grasping both trigger and side handles.

The rotary hammer drill is designed to operate without hammer function into wood and metal. For chiselling and masonry drilling, the hammer mode may be used.

The rotary hammer drill is designed to operate with drill bits up to the maximum diameter defined in the product specification table.

Do not use the rotary hammer drill for any other purpose not described above.

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

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

ELECTRICAL SAFETY

- **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.
- **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.
- **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- **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.
- **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.
- **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

- **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.
- **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.
- **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.
- **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.
- **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- **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.
- **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

- **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.
- **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.
- **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.
- **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.
- **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.
- **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- **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.

SERVICE

- **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.

HAMMER SAFETY WARNINGS

- **Wear ear protectors.** Exposure to noise can cause hearing loss.
- **Use auxiliary handle(s), if supplied with the tool.** Loss of control can cause personal injury.
- **Hold 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.
- Wear safety goggles to protect your eyes from flying particles and splinters.
- When working in walls ceiling, or floor, take care to avoid electric cables and gas or water pipes.

ADDITIONAL SAFETY WARNINGS

- We recommend that the product always be supplied via a residual current device (RCD) with a rated residual current of 30 mA or less.
- Switch the product off immediately if the insertion tool stalls. Do not switch the product on again while the insertion tool is stalled, as doing so could trigger a sudden recoil with a high reactive force. Determine why the insertion tool stalled and rectify this, paying heed to the safety instructions.
- The following are the possible causes of insertion tool stall:
  - The insertion tool is tilted in the workpiece
  - The insertion tool has pierced through the workpiece
  - The power tool is overloaded
- Clamp the workpiece with a clamping device. Unclamped workpieces can cause severe injury and damage.
- Do not reach into the product while it is running.
- Sawdust and splinters must not be removed while the product is running.
- Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principals. A careless action can cause severe injury within a fraction of a second.
- Make sure the cord is located so that it will not be stepped on, tripped over, come in contact with sharp edges or moving parts or otherwise subjected to damage or stress. This will reduce the risk of accidental falls, which could cause injury, and damage to the cord, which could result in electric shock.
- 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.
- The insertion tool may become hot during use. Danger of burns:
  - When changing tools/ bits
  - When setting the device down

RESIDUAL RISKS

Even when the rotary hammer drill is used as prescribed, it is still impossible to completely eliminate certain residual risk factors. The following hazards may arise and the operator should pay special attention to avoid the following:

- Risk of electrocution if electric cables are drilled into. Always grasp the tool by designated handles, do not touch the drill bits.
- Kick-back whilst drilling if the bit jams. Always use the side handle and grip the tool firmly.
- Damage to the respiratory system. Wear respiratory protection masks containing filters appropriate to the materials being worked. Ensure adequate workplace ventilation. Do not eat, drink or smoke in the work area.
- Damage to hearing. Always wear effective hearing protection and limit exposure to noise.
- Damage to eyes from flying dust and debris particles. Always wear suitable eye protection.
- Injury caused by vibration. Hold the tool by designated handles and limit exposure to vibration. See "RISK REDUCTION".

RISK REDUCTION

It has been reported that vibrations from hand-held tools may contribute to a condition called Raynaud's Syndrome in certain individuals. Symptoms may include tingling, numbness and blanching of the fingers, usually apparent upon exposure to cold. Hereditary factors, exposure to cold and dampness, diet, smoking and work practices are all thought to contribute to the development of these symptoms. There are measures that can be taken by the operator to possibly reduce the effects of vibration:

- Keep your body warm in cold weather. When operating the unit wear gloves to keep the hands and wrists warm. It is reported that cold weather is a major factor contributing to Raynaud's Syndrome.
- After each period of operation, exercise to increase blood circulation.
- Take frequent work breaks. Limit the amount of exposure per day.

If you experience any of the symptoms of this condition, immediately discontinue use and see your doctor about these symptoms.

⚠ WARNING

Injuries may be caused, or aggravated, by prolonged use of a tool. When using any tool for prolonged periods, ensure you take regular breaks.

MAINTENANCE

⚠ WARNING

The product should never be connected to a power supply when you are assembling parts, making adjustments, cleaning, performing maintenance, or when the product is not in use. Disconnecting the product will prevent accidental starting that could cause serious injury.

⚠ WARNING

When servicing use only original manufacturer's replacement parts. Use of any other parts may create a hazard or cause product damage.

- Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to various types of commercial solvents and may be damaged by their use. Use clean cloths to remove dirt, carbon dust, etc.

⚠ WARNING

Do not at any time let brake fluids, gasoline, petroleum-based products, penetrating oils, etc., come in contact with plastic parts. They contain chemicals that can damage, weaken or destroy plastic.

- Electrical tools used on fiberglass material, wallboard, spackling compounds, or plaster are subject to accelerated wear and possible premature failure because the fiberglass chips and grindings are highly abrasive to bearings, brushes, and commutators. We do not recommend using the product for extended periods of time on these types of materials.

⚠ WARNING

Always wear safety goggles or safety glasses with side shields during power tool operation or when blowing dust. If operation is dusty, also wear a dust mask.

- If the power supply cord is damaged, it must be replaced only by the manufacturer or by an authorised service centre to avoid risk. Contact authorised service centre.
- For greater safety and reliability, all repairs should be performed by an authorised Ryobi service centre.

LUBRICATION

All of the bearings in the product are lubricated with a sufficient amount of high grade lubricant for the life span of the product under normal operating conditions. Therefore, no further lubrication is required.

ENVIRONMENTAL PROTECTION

Recycle raw materials instead of disposing of as waste. The machine, accessories and packaging should be sorted for environment-friendly recycling.

SYMBOLS ON THE PRODUCT

Safety alert

V Volts

Hz Hertz

∼ Alternating current

W Watts

n_o No-load speed

min^{-1} Revolutions or reciprocations per minute

Class II tool, double insulation

Hammer mode

Hammer drill mode

Drill mode

Regulatory Compliance Mark (RCM). Product meets applicable regulatory requirements.

Please read the instructions carefully before starting the machine.

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.

SYMBOLS IN THIS MANUAL

Connect to the power supply.

Disconnect from the power supply.

Parts or accessories sold separately

Lock

Unlock

Off

On

Tile

Masonry

Wood

Metal

Note

The following signal words and meanings are intended to explain the levels of risk associated with this product:

⚠ DANGER

Indicates an imminently hazardous situation, which, if not avoided, will result in death or serious injury.

⚠ WARNING

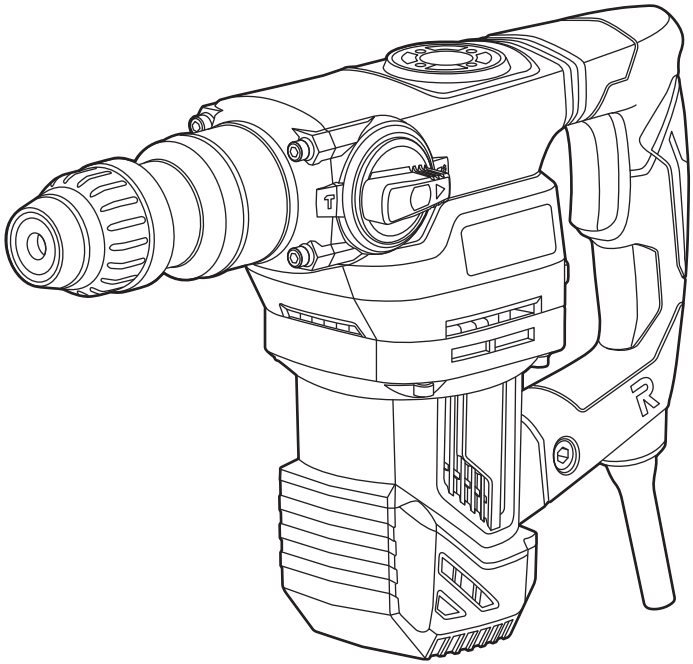
Indicates a potentially hazardous situation, which, if not avoided, could result in death or serious injury.

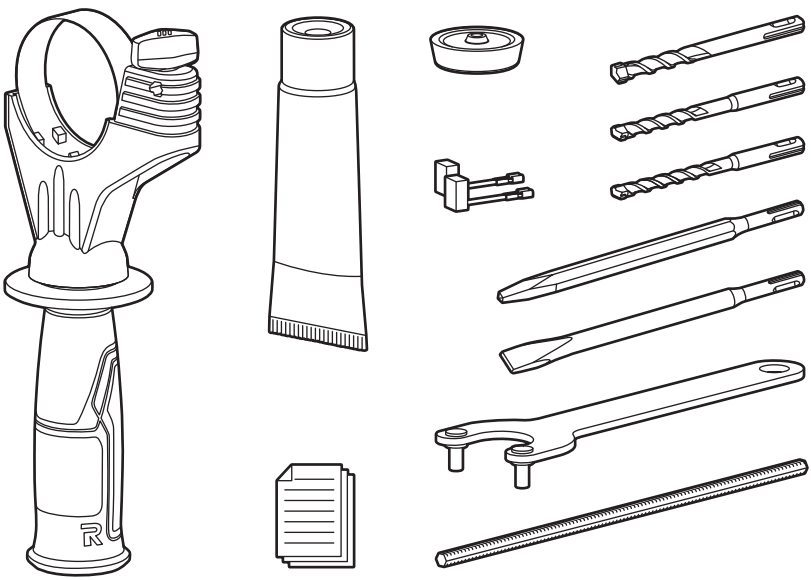
⚠ CAUTION

Indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury.

CAUTION

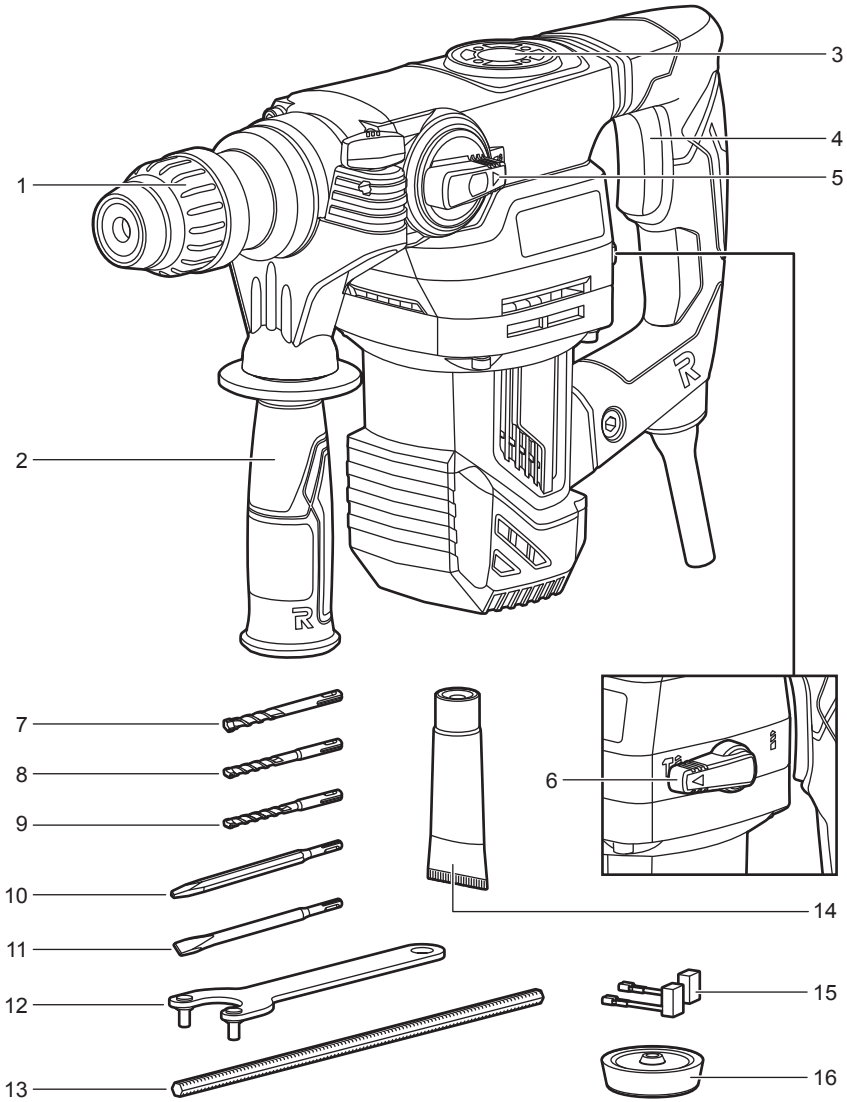
(Without Safety Alert Symbol) Indicates a situation that may result in property damage.

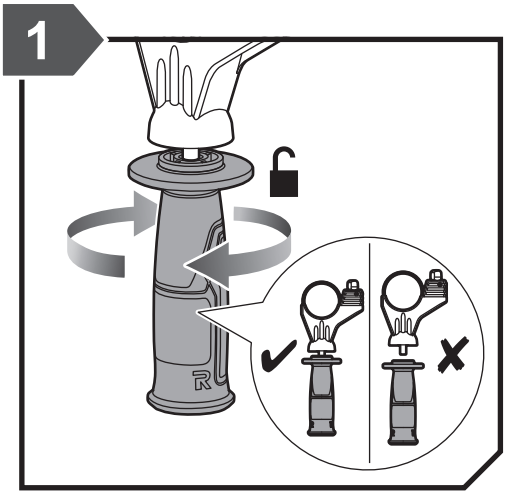




KNOW YOUR PRODUCT

1. SDS+ Chuck
2. Auxiliary handle
3. Grease cap
4. Switch Trigger
5. Mode selector
6. Secondary mode selector
7. SDS+ Bit (8 x 150 mm)
8. SDS+ Bit (10 x 150 mm)
9. SDS+ Bit (12 x 150 mm)
10. Pointed Chisel Bit (13.5 x 250 mm)
11. Flat Chisel Bit (20 x 250mm)
12. Wrench
13. Depth guide rod
14. Lubricant tube (40 ml)
15. Spare carbon brushes
16. Dust cover

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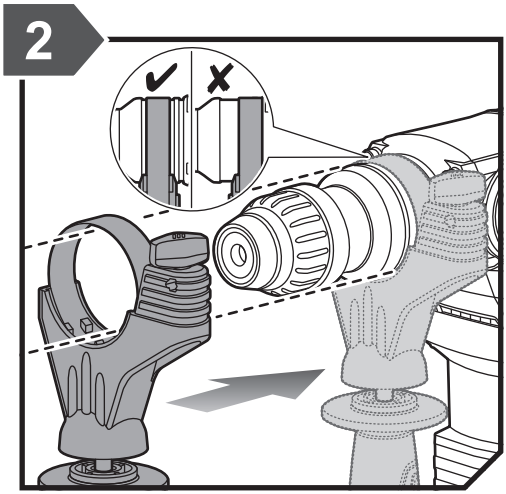
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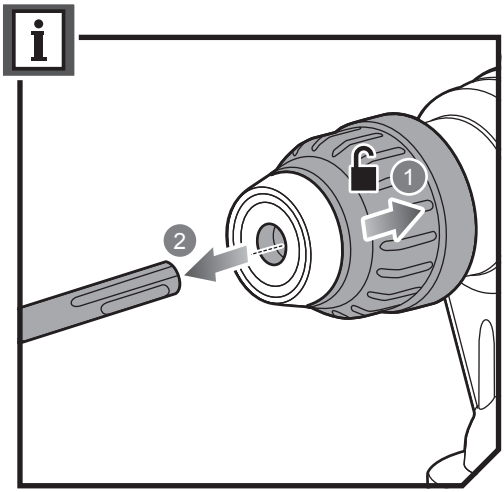
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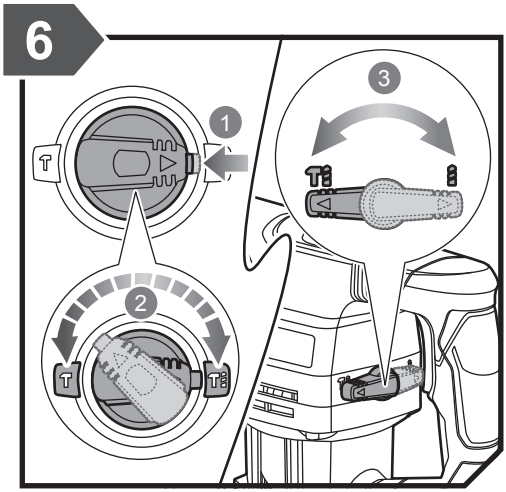
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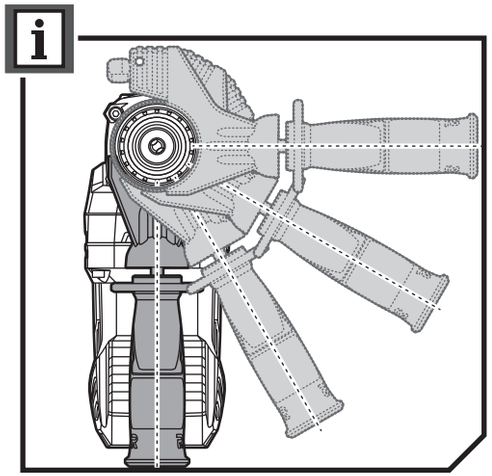

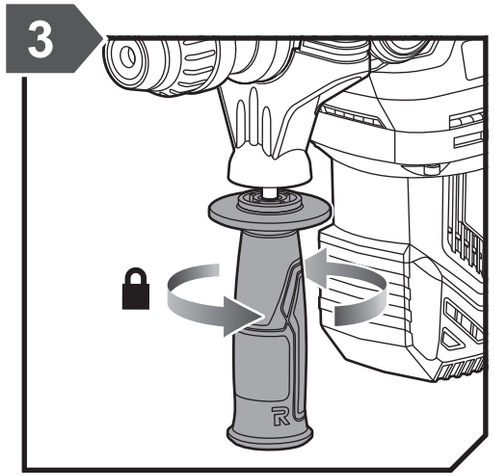
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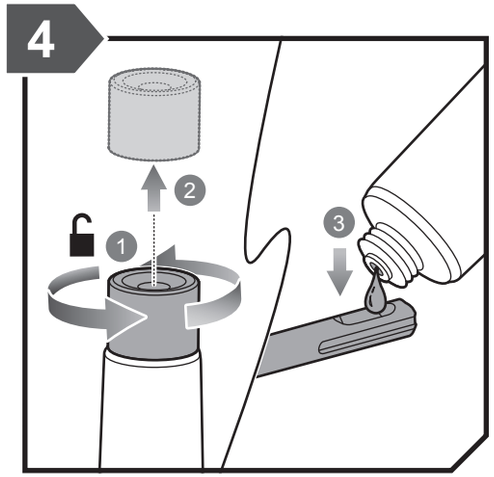
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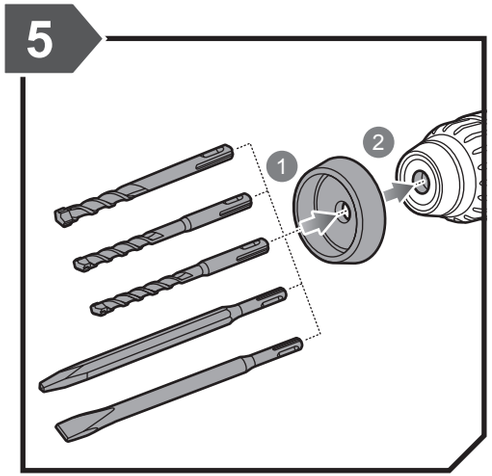
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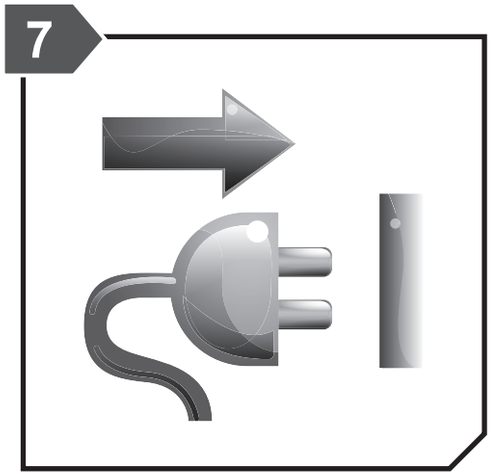
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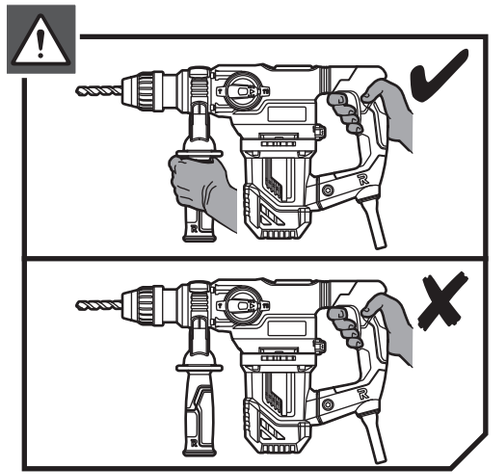

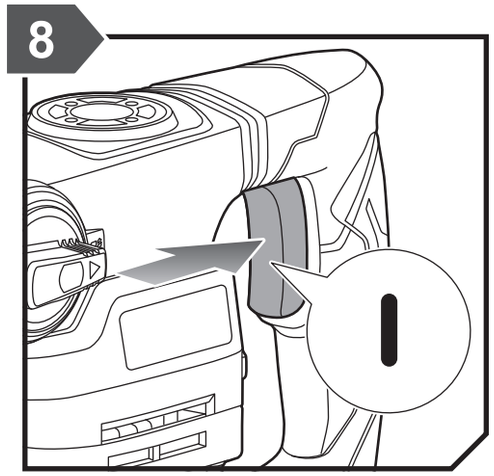
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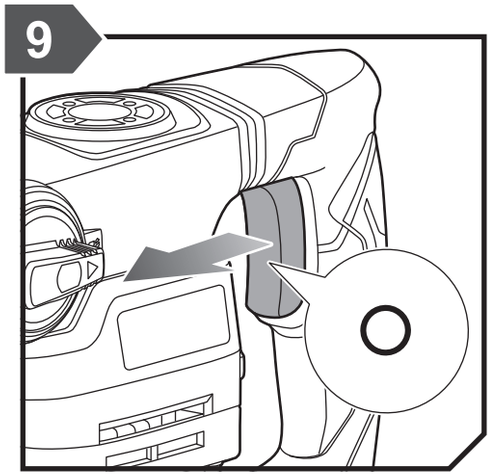
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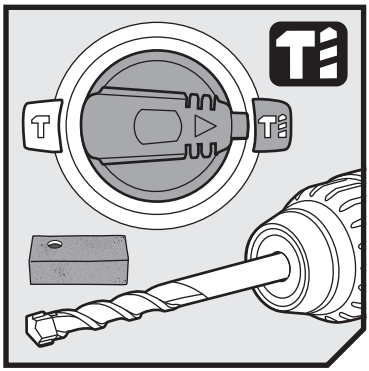

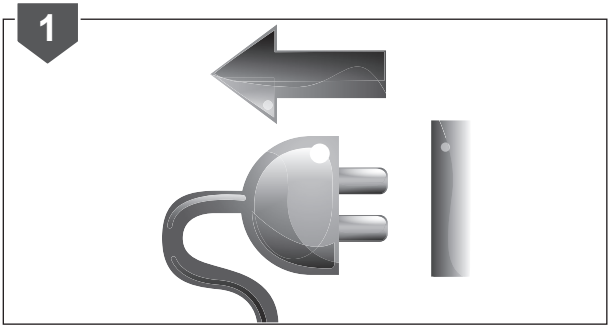
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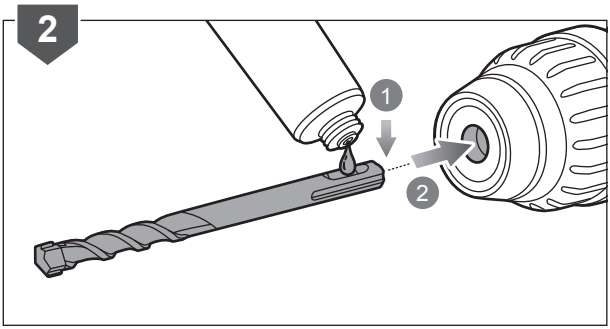
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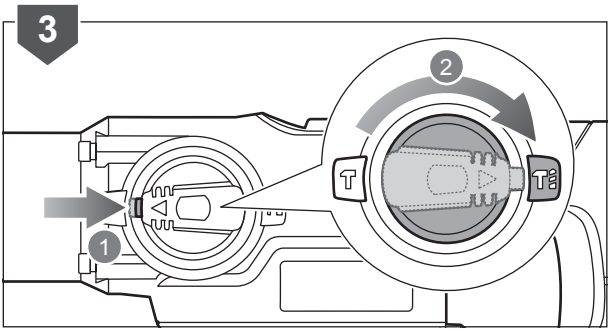
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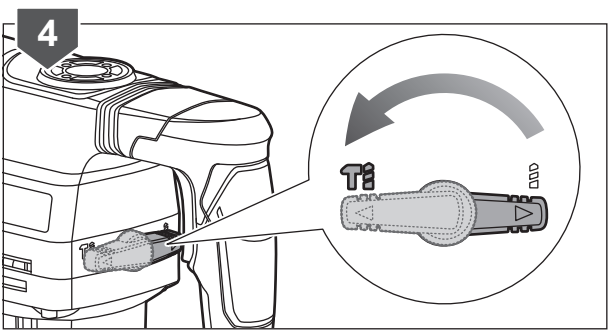
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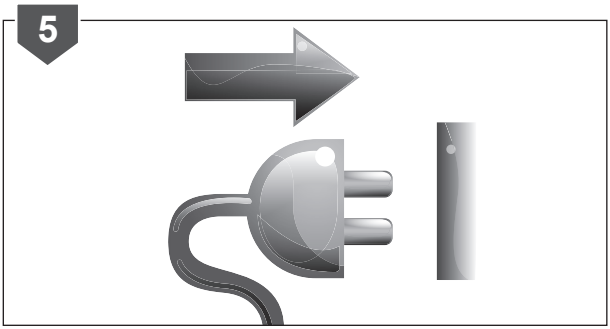
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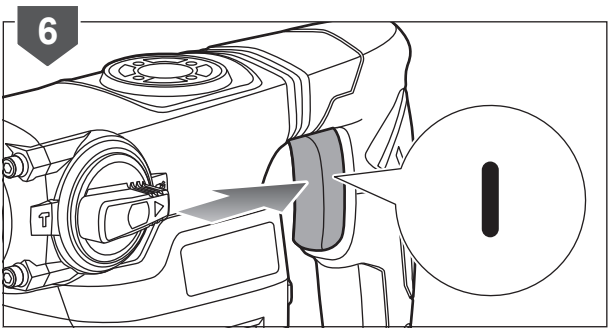
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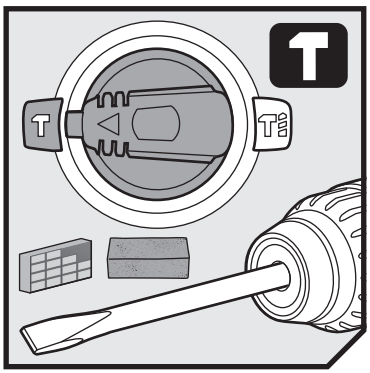

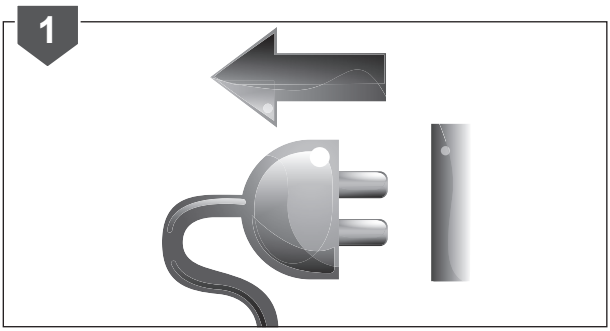
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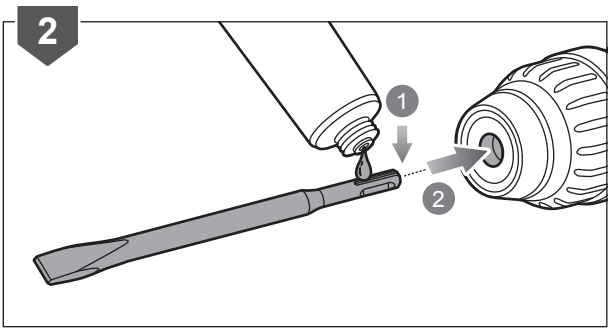
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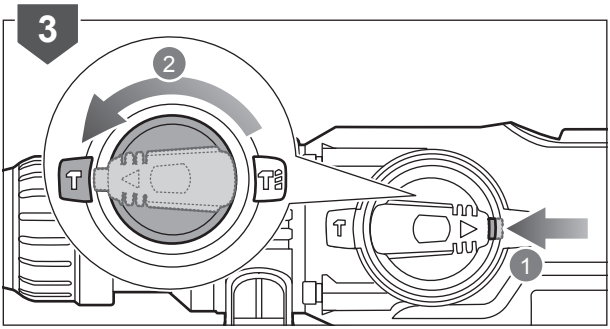
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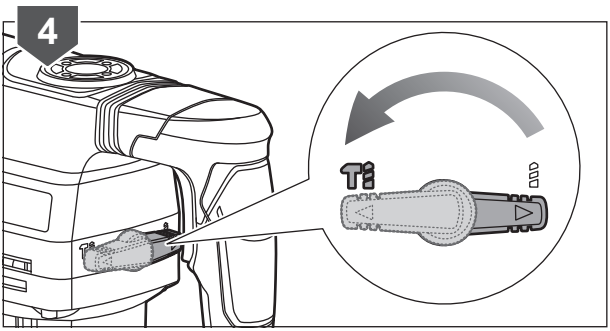
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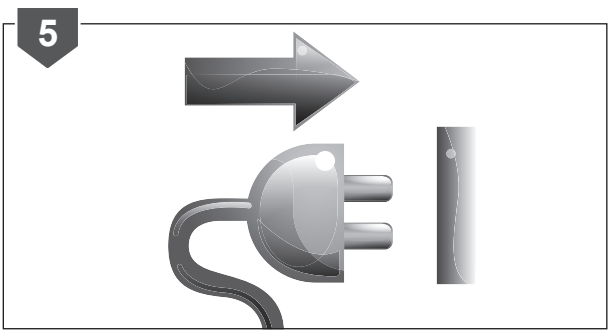
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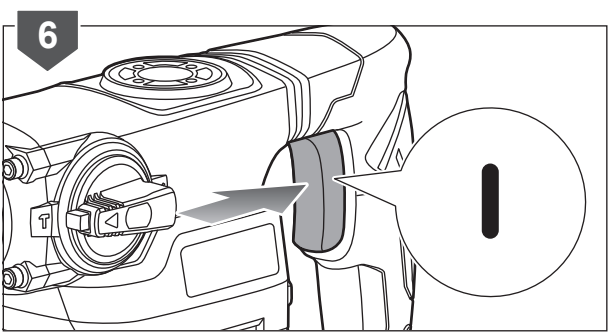
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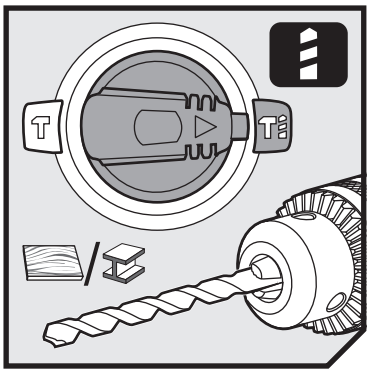

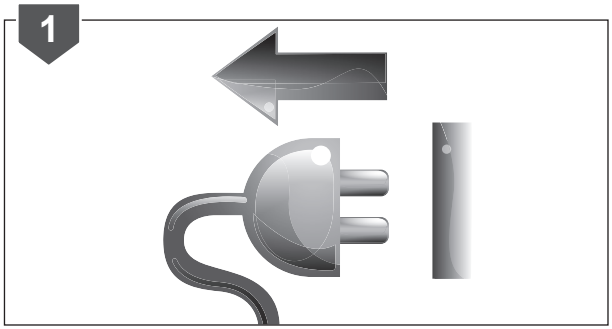
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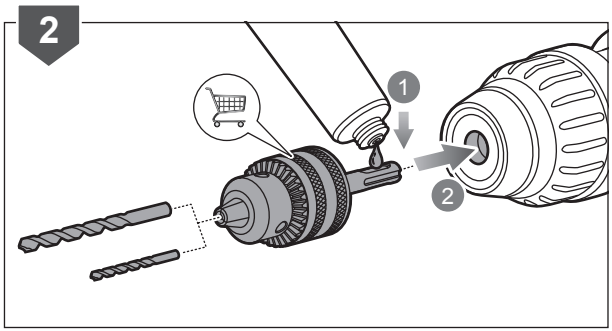
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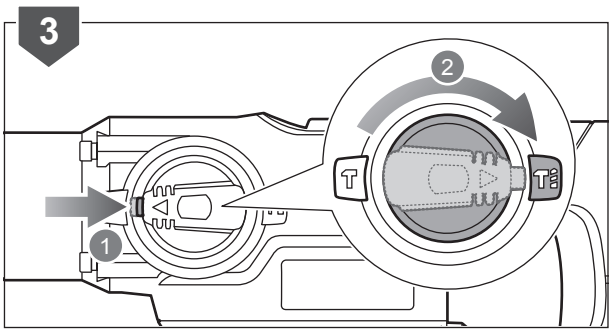
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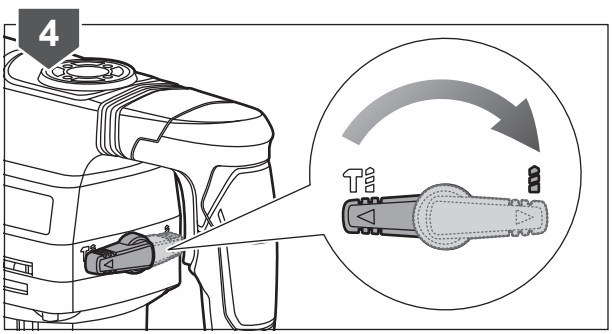
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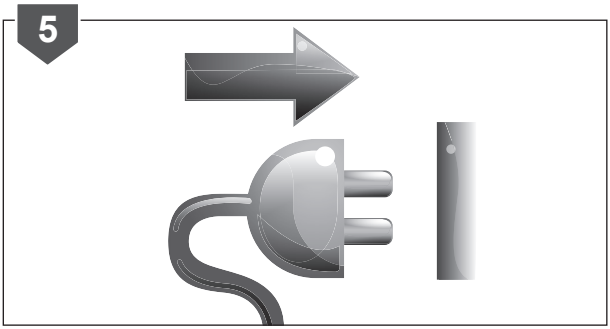
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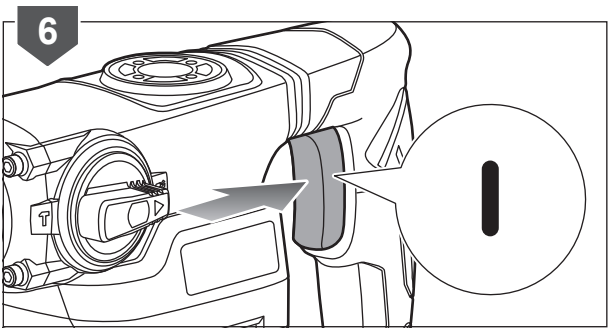
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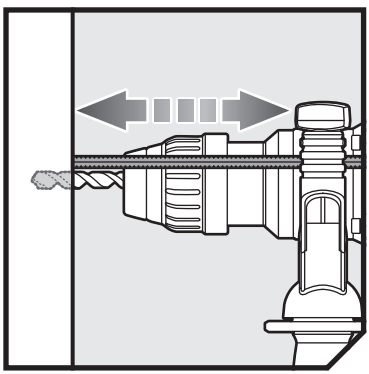

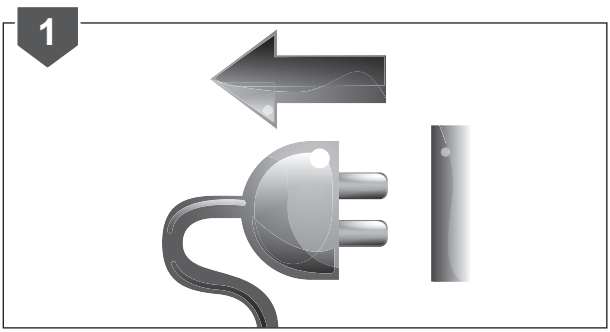
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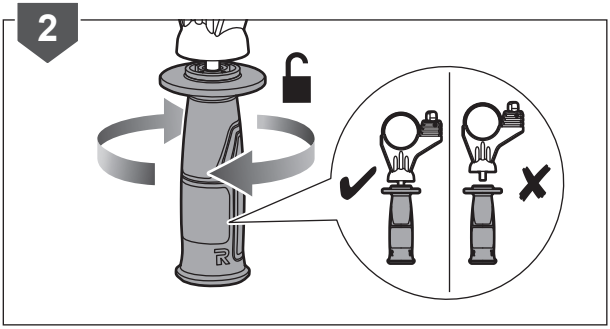
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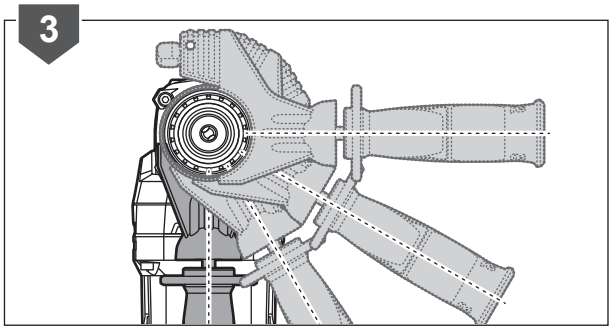
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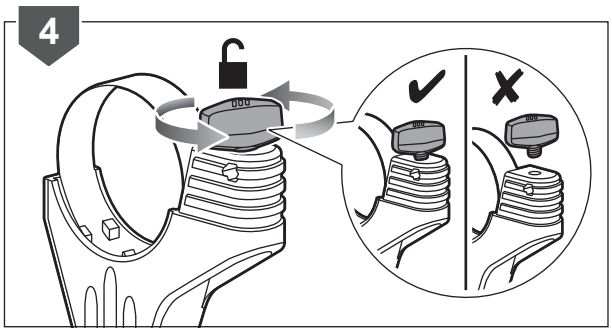
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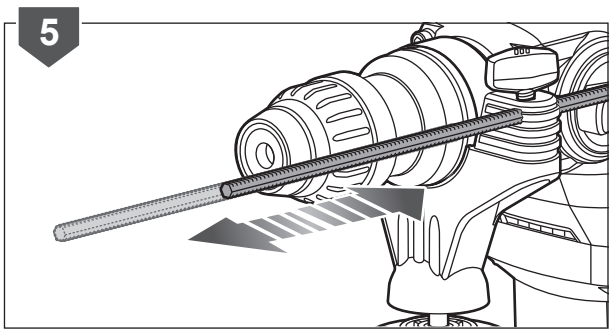
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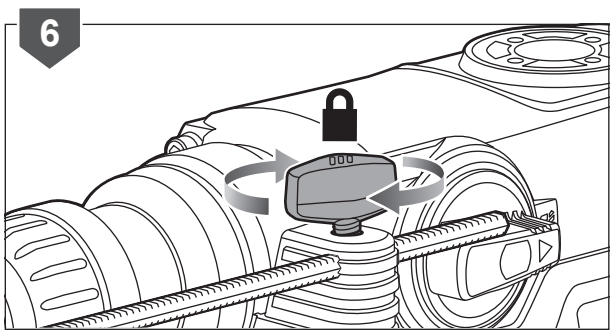
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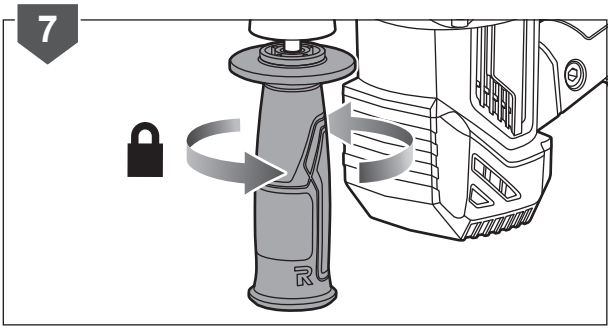
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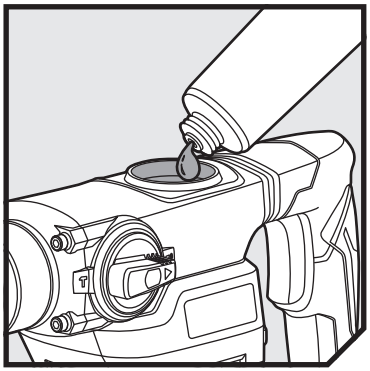

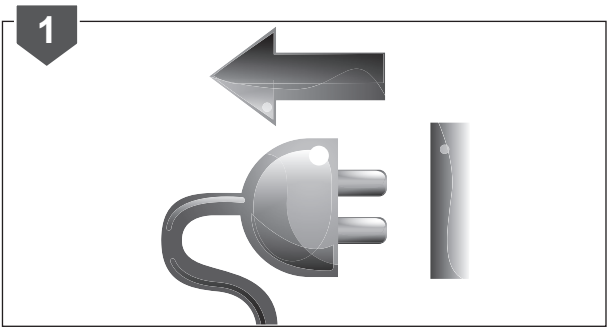
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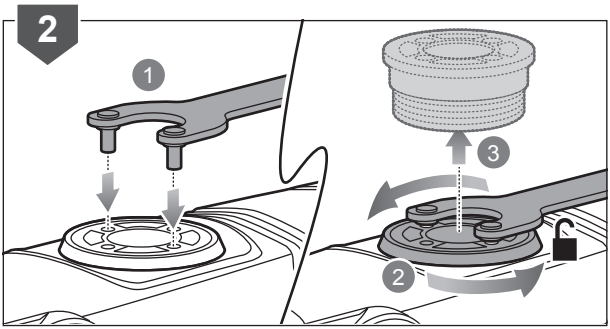
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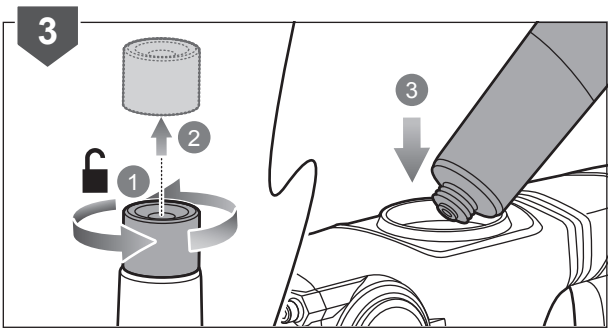
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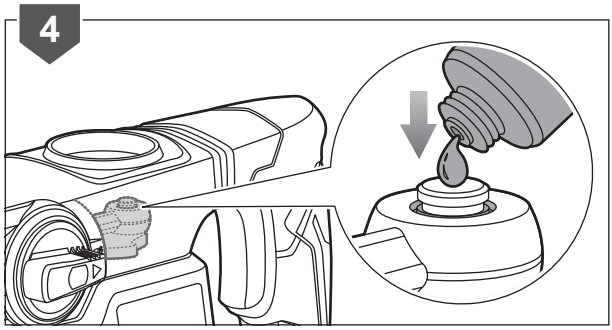
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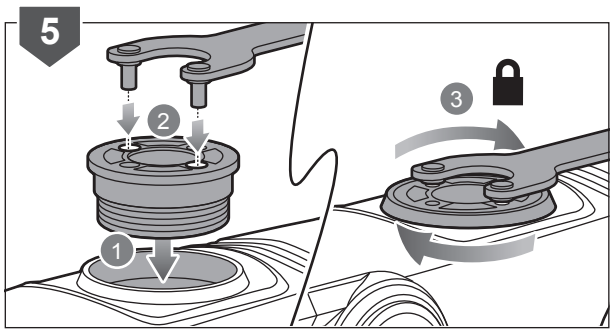
5
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PRODUCT SPECIFICATIONS

Rotary Hammer Drill	
Model	RSDS1500
Voltage	220 - 240 V ∿ 50 Hz
Input	1500 W
No-load speed (Drill mode)	950 min^{-1}
Blows per minute (Hammer speed)	4,400 min^{-1}
Impact energy	5.0 J
Tool attachment	SDS-plus
Drilling capacity	
in metal	13 mm
in wood	40 mm
in masonry	32 mm
Weight	5.5 kg

RYOBI

Imported by:

Techtronic Industries Australia Pty Ltd
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Melbourne, Australia

Techtronic Industries N.Z. Limited
2 Landing Drive, Mangere
Auckland, 2022, New Zealand

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