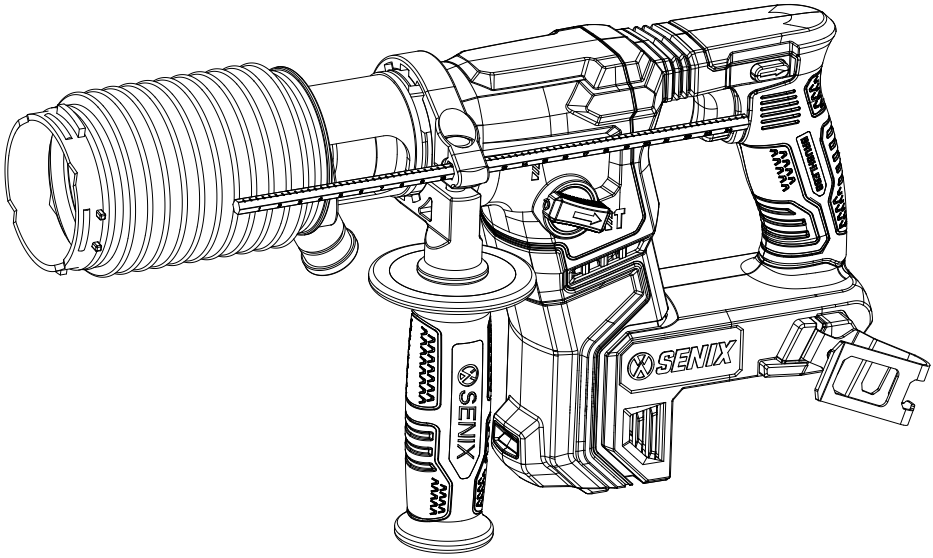
Instruction Manual

Model: PDRX2-M2-EU

SENIX®

X2 18V* LITHIUM-ION BRUSHLESS™

CORDLESS ROTARY HAMMER



- SAFETY
- ASSEMBLY
- OPERATION
- MAINTENANCE

CAUTION: Before using this product, read this manual and follow all safety rules and operating instructions.

Senix Australia Pty Ltd. 32/3 Westside Avenue, #Port Melbourne, Victoria, 3207
For customer support, please call 1300 461 825 or email us at info@senixtool.com

TABLE OF CONTENTS

SAFETY & INTERNATIONAL SYMBOLS

Explanation of Safety & international symbols describes safety and international symbols and pictographs that may appear on this product. Read the operator's manual for complete safety, assembly, operating and maintenance and repair information.

Caution / Warning.

To reduce the risk of injury, user must read instruction manual.

Wear eye protection.

Wear a dust mask.

Wear safety footwear.

Wear protective gloves.

Do not dispose of battery packs in rivers or immerse in water.

Do not dispose of battery packs in fire. They will explode and cause injury.

Use the battery with a maxium temperature of 50°C (122°F).

Do not disassemble, crush, heat above 100°C (212°F); Never expose the battery to microwaves or high pressures.

Keep bystanders a safe distance away from the work area.

Indoor use only. Only use battery charger indoors.

Advanced chuck system, efficient power transmission and built-in hammering action, ideal for drilling into the hardest concrete.

RCM Mark

SAFETY INSTRUCTIONS

GENERAL POWER TOOL SAFETY WARNINGS

⚠ WARNING!

Read all safety warnings, instructions, illustrations and specifications, provided with this power tool. *Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.*

Save all warnings and instructions for future reference.

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

1. **Work Area Safety**

a. **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.

b. **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite dust or fumes.

c. **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control of the tool or workpiece.

2. **Electrical Safety**

a. **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.

b. **Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.

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

d. **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.

e. **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.

f. **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

3. **Personal Safety**

a. **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.

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

c. **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.

d. **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.

e. **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.

f. **Dress properly. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.

g. **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.

h. **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles**. A careless action can cause severe injury within a fraction of a second.

4. **Power Tool Use And Care**

a. **Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.

b. **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.

c. **Disconnect the plug from the power source and/or remove the battery pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.

d. **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.

e. **Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.

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

g. **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.

h. **Keep handles and grasping surfaces dry, clean and free from oil and grease.** Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

5. **Battery Tool Use And Care**

a. **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.

b. **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.

c. **When battery pack is not in use, keep it away from other metal objects, such as 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.

d. **Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, seek additional medical help.** Liquid ejected from the battery may cause irritation or burns.

e. **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.

f. **Do not expose a battery pack or tool to fire or excessive temperature.** Exposure to fire or temperature above 130 °C (266°F) may cause explosion.

g. **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.

6. **Service**

a. **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.

b. **Never service damaged battery packs.** Service of battery packs should only be performed by the manufacturer or authorized service providers.

⚠ WARNING!

Only use following batteries: B20X2/B25X2/B40X2/B50X2/B60X2/B80X2 and chargers: CHX2/CHQX2/CHQX2-M-EU/CHDX2-M-EU.

ROTARY HAMMER SAFETY WARNINGS

- **Always wear hearing protection.** *Sustained exposure to loud noise can cause hearing loss.*
- **Use auxiliary handle(s) if supplied with the tool.** *Loss of control can cause personal injury or damage to your surroundings.*
- **Hold the power tool by the insulated grip surfaces when performing an operation where the drill bit may contact hidden wiring or its own cord**. *Drill bit contacting a "live" wire may make exposed metal parts of the rotary hammer "live" and could give the operator an electric shock.*
- **Always wear a hard hat/safety helmet, safety glasses, and/or a face shield. Ordinary eye or sunglasses are not safety glasses. It is also highly recommended that you wear a dust mask and thickly padded gloves.**
- **Ensure the drill bit is secured in place before operation.**
- **The tool is designed to produce vibration under normal operation.** *In rare instances this may cause fasteners to come loose over time and result in a breakdown or accident. Check tightness of fasteners carefully before operation.*
- **In cold weather or when the tool has not been used for a long time, allow it to warm up by briefly operating it under no load.** *This will help to loosen the internal lubrication and aid in the operation of the hammering mechanism.*
- **Always be sure you are on firm footing during use and ensure that the area around you is clear of individuals or objects that may be struck by debris.**
- **Hold the tool firmly with both hands and keep hands away from moving parts.**
- **Do not touch the bit, parts of the tool close to the bit, or the workpiece immediately after operation.** *These areas may be extremely hot and could result in burns to your skin.*
- **Some materials may contain chemicals that could be toxic or otherwise dangerous.** *Take caution to prevent dust inhalation and skin contact at all times if you are unsure of the material.*

⚠ WARNING!

Do not let comfort or familiarity with this product gained from repeated use replace strict adherence to specific safety instructions. Misuse or failure to follow the safety instructions stated in this manual may result in serious personal injury.

VIBRATION + NOISE REDUCTION

To reduce the impact of noise and vibration emission, limit the time of operation, use low-vibration and low-noise operating modes as well as wear personal protective equipment. Take the following points into account to minimize the vibration and noise exposure risks.

- Only use the product as intended by its design and these instructions.
- Ensure that the product is in good condition and well maintained.
- Use correct attachments for the product and ensure they are in good condition.
- Keep tight grip on the handles/grip surface.
- Maintain this product in accordance with these instructions and keep it well lubricated (where appropriate).
- Plan your work schedule to spread any high vibration tool use across a longer period of time.

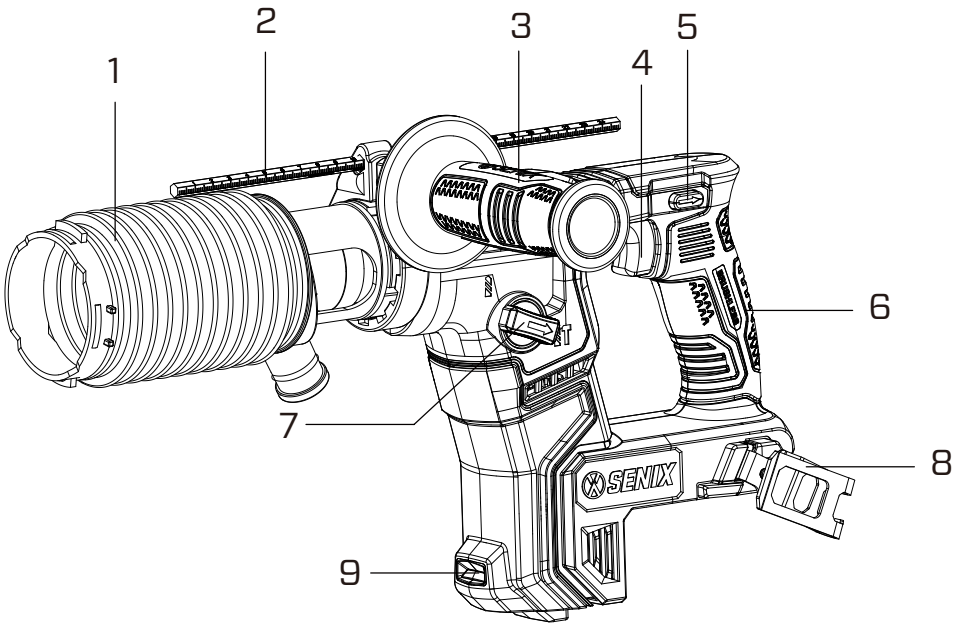
EMERGENCY

- Familiarize yourself with the use of this product by means of this instruction manual. Memorize the safety directions and follow them to the letter. This will help to prevent risks and hazards.
- Always be alert when using this product, so that you can recognize and handle risks early. Fast intervention can prevent serious injury and damage to property.
- Switch off the product and remove the battery pack if there are malfunctions. Have the product checked by a qualified professional and repaired, if necessary, before you operate it again.

INTENDED USE

This rotary hammer is intended for drilling in concrete, masonry, wood and wood-based materials, plastic, and metal. Do not use it for other purposes.

KNOW YOUR UNIT



APPLICATIONS
Model: PDRX2-M2-EU
As a cordless rotary hammer:
Drilling in concrete, masonry, wood and wood-based materials, plastic, and metal.

1	Dust Collection Shroud
2	Depth Gauge
3	Auxiliary Handle
4	Variable Speed Trigger
5	Forward/Reverse Switch

6	Overmold Grip Area
7	Mode Selector Switch
8	Belt Clip
9	LED Light

SPECIFICATIONS

Model	PDRX2-M2-EU
Motor Type	Brushless
Input Voltage	18V ⎓ (20V ⎓ Max*)
No-Load Speed	0-810 RPM
Impacts Per Minute	0-4500 BPM
Impact Energy	1.2 Joules
Chuck Type	SDS-Plus
Forward and Reverse Switch	Yes
Drilling Capacity	Masonry | 17 mm Steel | 10 mm Wood | 13 mm
LED Light	Yes
Weight (Tool Only)	1.7 kg

*20V Max battery, maximum initial battery voltage (measured without a workload) is 20 volts. The nominal voltage is 18.

ASSEMBLY

1. Unpack all parts and lay them on a flat, stable surface:
2. Remove all packing materials and shipping devices, if applicable.
3. The scope of delivery varies depending on the country and purchased variant.
   Model of PDRX2-M2-EU
   - Rotary hammer x1
   - Belt clip x1
   - Screw x1
   - Dust collection shroud assembly x1
   - Depth gauge x1
   - Auxiliary handle x1
   - Instruction manual x1
4. If you find that parts are missing or show damage do not use the product and contact your dealer. Using an incomplete or damaged product represents a hazard to people and property.
5. Ensure that you have all the accessories and tools needed for assembly and operation. This also includes suitable personal protective equipment.

WARNING!

Wear protective gloves for this assembly work and always lay the product on a flat and stable surface while assembling.
Follow the assembly instructions step-by-step and use the pictures provided as a visual guide to easily assemble the product. Do not insert the battery pack before the power tool is completely assembled or adjusted.

BELT CLIP

The belt clip (1) is intended to be used to temporarily hang the tool. It can be installed on either side of the tool for user convenience. Secure the belt clip (1) to the tool using the included screw (2).

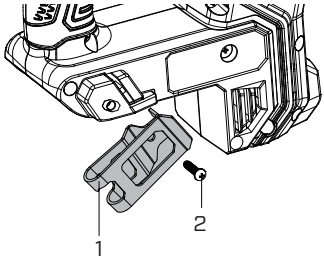


Fig.1

AUXILIARY HANDLE

WARNING!

Always use the Auxiliary Handle to ensure safe operation.

The auxiliary handle (2) can be installed at different angled positions according to user's needs. To install, push the spacer (1) on to the base of the chuck and make sure it is secured. Fit the auxiliary handle (2) on the spacer (1) and rotate until it is firmly in place.

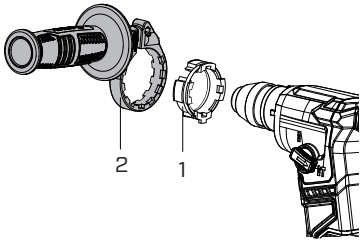


Fig.2

DEPTH GAUGE

A depth gauge (1) helps to ensure that holes are drilled to a uniform depth. To install, loosen auxiliary handle (2) and insert the depth gauge (1) into the hole in the handle. Adjust to the desired depth and tighten the auxiliary handle (2). Make sure the depth gauge (1) does not come in contact with the main body of the tool to ensure accuracy.

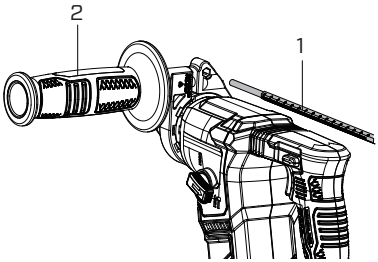


Fig.3

DUST COLLECTION SHROUD

The dust collection shroud (1) is an optional accessory intended to prevent dust from falling when performing overhead drilling operations. Install the dust collection shroud mount (2) into the auxiliary handle, making sure to align the mount (2) with the slots in the handle. Attach the dust collection shroud (1) to the mount (2) and ensure a secure fit.

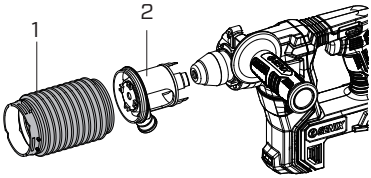


Fig.4

The dust collection shroud (1) is designed with a vacuum connection port (2) for debris removal. To use, remove the dust cap (3) and connect a vacuum line to the port (2).

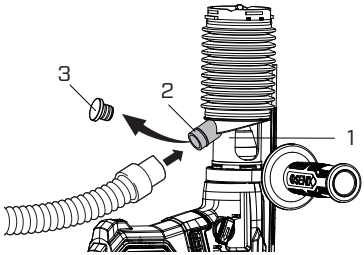


Fig.5

SDS-PLUS DRILL BIT

This tool exclusively uses SDS-Plus style drill bits (1). To install, insert the SDS-Plus drill bit (1) into the chuck (2) until it engages. Test that the drill bit (1) is securely held in place by trying to pull it directly out. of the chuck (2) To remove, pull the chuck (2) collar back toward the body of the tool and remove the drill bit (1).

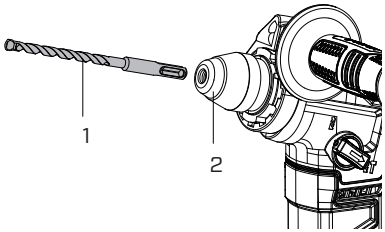


Fig.6

The dust collection shroud exposes the chuck collar (1) when correctly installed. Pull the chuck collar (1) down to install or remove the SDS-Plus drill bit (2).

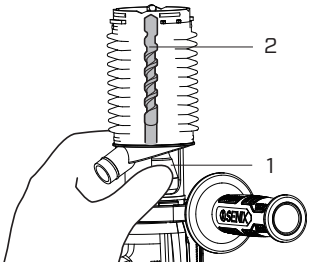


Fig.7

BATTERY PACK

NOTE:

Prior to installation, lock the variable speed trigger using the trigger lock to avoid unintentional start.

To install:
Align and slide the battery pack to the docking port of the tool until it is locked in place.

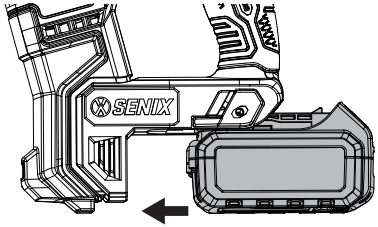


Fig.8

To remove:
Press the rail lock release (1) and slide the battery pack out.

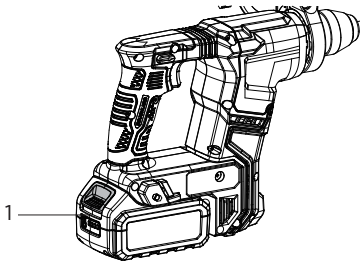


Fig.9

OPERATION

WARNING!

Always wear eye, hearing, and hand protection to reduce the risk of injury when operating the tool. Keep all parts of your body away from the rotating bit.

ROTATION DIRECTION

The tool can run in either forward or reverse to drive a bit in or out of a workpiece. The direction is controlled using the forward/ reverse switch. Press the forward/reverse switch to the right as shown by (A) for forward rotation. Likewise, press the switch to the left as shown by (B) for reverse rotation. To prevent unintentional start when tool is not in use, press the forward/reverse switch to the center neutral position to lock the trigger.

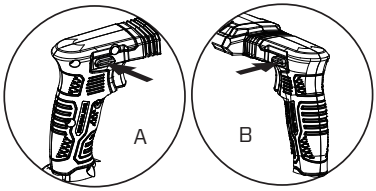


Fig.10

WARNING!

Do not change the rotation direction while the tool is in operation. Wait for it to come to a complete stop before changing the rotation direction.

DRILLING MODE

The drilling mode is controlled by the mode selector switch. Press the lock button and rotate the mode selector switch until the arrow points to the corresponding symbol for the desired drilling mode.

Symbol	Drilling Mode	Application
	Rotation Only	Drill in wood, metal or plastic materials
	Rotation with Hammering	Drill in concrete, masonry, etc.

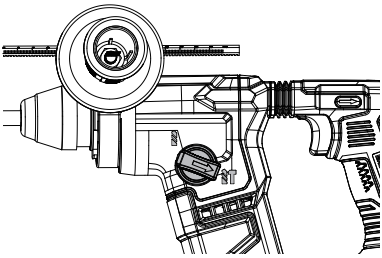


Fig.11

SWITCHING ON/OFF

Always grip the auxiliary handle and main handle by both hands during operation.

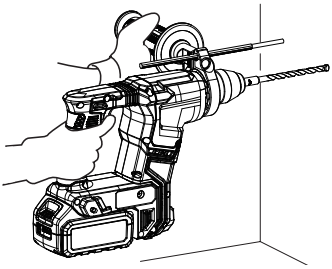


Fig.12

To start the tool, engage the forward/reverse switch in the desired direction and press the variable speed trigger. The tool will accelerate according to the amount of pressure applied to the trigger. To stop the tool, simply release the trigger.

NOTE:

Always lock the variable speed trigger using the neutral position on the forward/reverse switch when the tool is not in use or before storage.

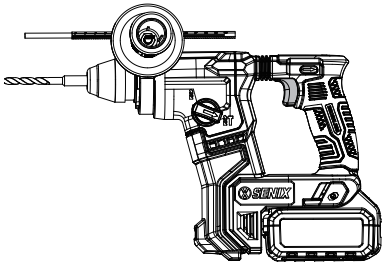


Fig.13

LED WORK LIGHT

The tool is designed with a LED worklight for working in dim areas. It is immediately activated when the trigger is pulled and automatically goes out approximately 10 seconds after the trigger is released.

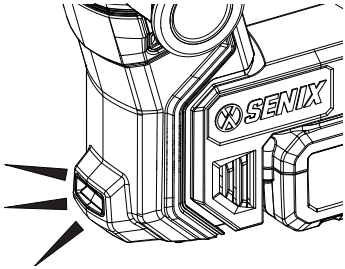


Fig.14

DRILLING IN WOOD OR METAL

- Set the mode selector to the symbol " " and installan appropriate bit for the workpiece.
- Secure loose workpieces using a vise or clamps (not included) to prevent movement while working.
- Applying excessive force to the tool will not speed up the drilling operation. In fact, pressure in excess will only serve to damage the tip of your drill bit, decrease the tool performance and shorten the service life of the tool.

DRILLING IN CONCRETE OR MASONRY

WARNING!

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

- Set the mode selector to " " and install a drill bit specifically designed to drill in masonry or concrete.
- Position the drill bit at the desired location for the hole, then pull the variable speed 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 drill bit partially from the hole.
- By repeating this several times, the hole will be cleaned out and normal drilling may be resumed.

MAINTENANCE

WARNING!

Only perform cleaning and maintenance work according to these instructions.
Any additional work must be performed by an Authorized Service Center.

WARNING!

TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION: Make sure the trigger is locked and battery pack is removed before performing any procedure in this section.
TO PREVENT SERIOUS INJURY FROM TOOL FAILURE: Do not use damaged equipment or accessories. If abnormal noise or vibration occurs, have the tool inspected and serviced before further use.

There are no user-serviceable parts in your power tool. If any of the following conditions are found, stop use and send it to an Authorized Service Center for repair.

- Leaking, swollen, or cracked battery pack.
- Loose hardware.
- Misalignment or binding of accessories.
- Cracked or broken parts.
- Any other condition that may affect its safe operation.

CLEANING

1. Clean dust from the air vents.
2. Keep handle/grip area clean, dry and free of oil or grease.
3. Clear any dust, debris, oil or grease from the chuck.
4. Remove stubborn dirt from housing with high pressure air (max. 3 bar) or a cloth.
5. Never immerse your tool in liquid or allow a liquid to flow inside it.

NOTE:

Do not use chemical, alkaline, abrasive or other aggressive detergents or disinfectants to clean this product as they might be harmful to its surfaces.

TRANSPORTATION

1. Only carry by its handle/grip area.
2. Protect from any heavy impact or strong vibrations which may occur during transportation in vehicles.
3. Secure to prevent it from slipping or falling over.

STORAGE

1. Clean thoroughly as described above.
2. Store in a dark, dry, frost-free and well-ventilated area that is inaccessible to children. The ideal temperature for storage is 10°C (50°F) ~ 26°C (80°F).
3. Use original package for storage or cover with a suitable cloth to protect against dust.

DISPOSAL

Product should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice. Users should clean up dust generated during operation to protect environment.

Battery should not be discarded with household waste. Dispose of battery according to local regulations.

TROUBLESHOOTING

Suspected malfunctions are often due to causes that can be addressed by the user. Therefore, troubleshoot the product using this section. In most cases the problem can be solved quickly.

PROBLEM	**POSSIBLE CAUSE**	**SOLUTION**
Product does not start	Forward/reverse switch at center locking position	Push forward/reverse switch to either side
	Battery pack not properly attached	Reinstall the battery pack
Product does not reach full power	Battery pack capacity too low	Charge the battery pack
	Battery pack reaches its life cycle	Replace with new battery pack
Unsatisfactory result	Drill bit is dull	Replace with new one
	Drill bit is not suitable for current operation	Use an appropriate bit