PB 20 VOLT

THE ORIGINAL PINK BOX®

INSTRUCTION MANUAL

Cordless 20Volt Li-Ion ROTARY CUTTER

Part Number: PB20VRCT

IMPORTANT: Read before using.

Compatible Batteries:
PB20VLIB2 Battery (2.0 Ah)
& PB20VLIB4 Battery (4.0 Ah)

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Keep these instructions with the accompanying tool for the life of the tool. Read all of the instructions before assembling, operating or maintaining this tool.

This manual has been compiled by ***The Original Pink Box*** Tools describing the purpose for which this tool has been designed, and contains all the necessary information to ensure its correct and safe use. By following all the general safety instructions contained in this manual, it will ensure both tool and operator safety, together with longer life of the tool itself.

All photographs and drawings in this manual are supplied by ***The Original Pink Box*** Tools to help illustrate the operation of the tool.

Whilst every effort has been made to ensure the accuracy of information contained in this manual, ***The Original Pink Box*** Tools policy of continuous improvement determines the right to make modifications without prior warning.

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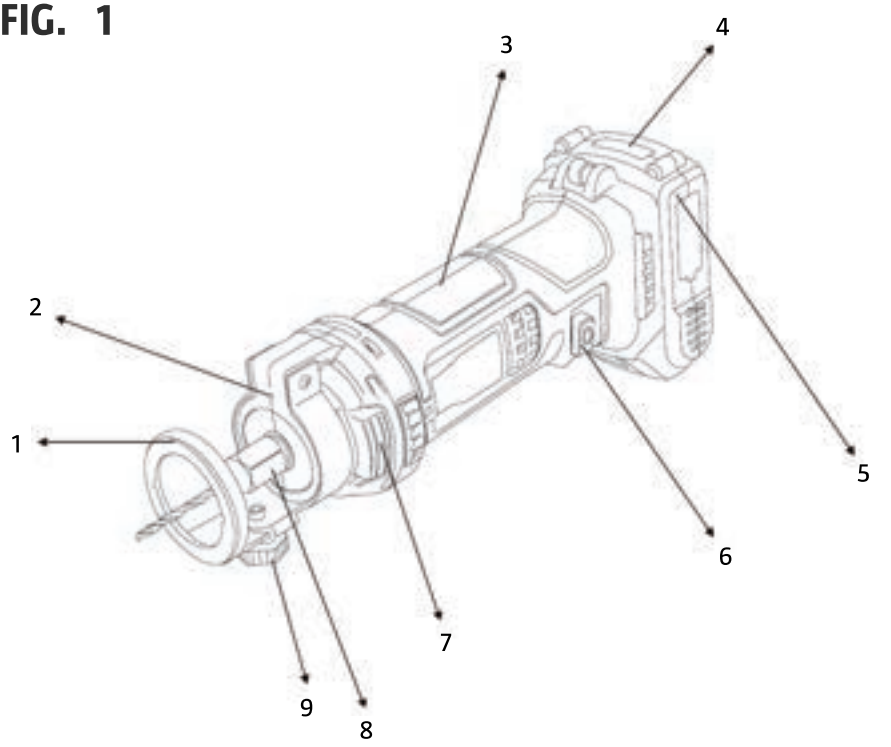
FIG. 1



1. *Depth stop*
2. *LED work light*
3. *Soft handle*
4. *Battery indicator*
5. *Battery*
6. *Power switch (On/Off)*
7. *Spindle lock button*
8. *Tensioning nut (with collet)*
9. *Adjuster screw for depth stop*

SAFETY INSTRUCTIONS

SAFETY IN THE WORK AREA

- Keep the work area clean and well lit. Dark and cluttered work areas increase the risk of accidents and injuries.
- Do not use power tools in explosive environments, such as in the vicinity of flammable liquids, gases or dust. Power tools produce sparks that can ignite dust and fumes.
- Keep children and onlookers at a safe distance when working with a power tool. You can lose control of the tool if you are distracted.

ELECTRICAL SAFETY

- The mains plug on the power tool must match the mains socket. Never modify the plug in any way. Never use adapters with earthed power tools. Intact plugs and matching outlets reduce the risk of electric shock.
- Avoid body contact with earthed surfaces such as pipes, radiators, cookers and refrigerators. There is an increased risk of electric shock if your body is earthed.
- Do not expose power tools to rain or moisture. There is a greater risk of electric shock if water gets into a power tool.
- Be careful with the power cord. Never use the power cord to carry or pull the power tool, or to pull out the plug from the mains. Keep the power cord away from heat, oil, sharp edges and moving parts. Damaged or tangled power cords increase the risk of electric shock.
- When you use a power tool outdoors, use an extension cord intended for outdoor use. Using cords intended for outdoor use reduces the risk of electric shock.
- If you have to use a power tool in damp conditions, use a mains connection protected by a residual current device RCD. Using an RCD reduces the risk of electric shock.

PERSONAL SAFETY

- Stay alert, pay attention to what you are doing, and use your common sense when working with power tools. Never use power tools if you are tired or under the influence of drugs, alcohol or medication. A moment of inattention when using a power tool can result in serious personal injury.
- Use safety equipment. Always wear safety glasses. The correct use of safety equipment such as a dust filter mask, non-slip safety shoes, helmets and ear protection, reduces the risk of personal injury.
- Avoid accidental starting. Check that the power switch is in the OFF position before connecting to the mains and/or the battery, or lifting/carrying the tool. Carrying a power tool with your finger on the switch, or connecting a tool to the mains supply when the switch is in the ON position, increases the risk of accidents and injuries.
- Remove all Allen keys/spanners etc. before switching on the power tool. A spanner left in a rotating part of the power tool can result in personal injury.
- Do not overreach. Always maintain a firm footing and good balance. This will ensure you have better control over the tool in unexpected situations.
- Wear suitable clothing. Do not wear loose-fitting clothing or jewelery. Keep your hair, clothing and gloves away from moving parts. Loose-fitting clothing, jewellery and long hair can get caught in moving parts.
- If dust extraction and dust collection equipment is available, this should be connected and used correctly. The use of such equipment can reduce the risk of dust-related problems.

USING AND LOOKING AFTER POWER TOOLS

- Do not force the power tool. Use the correct power tool for the planned work. The correct power tool will work better and more safely when used with the load for which it was designed.
- Do not use the power tool if it cannot be switched on and off with the power switch. Power tools that cannot be controlled with the power switch are dangerous and must be repaired.
- Unplug the plug from the mains and/or remove the battery from the power tool before making any adjustments, replacing accessories or putting the tool away. These safety precautions reduce the risk of accidentally starting the power tool.
- Store power tools out of the reach of children when not in use. Never allow anyone who is unfamiliar with the power tool and these instructions to use the tool. Power tools are dangerous in the hands of inexperienced users.
- Keep the power tool properly maintained. Check that moving parts are not misaligned, jammed or loose, and that there are no other factors that could affect the safe use of the tool. If the power tool is damaged, it must be repaired before being used again. Many accidents are caused by poorly maintained power tools.
- Make sure that cutting tools are sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to jam and are easier to control.
- Use the power tool, accessories and bits etc., in accordance with these instructions, taking into account the actual working conditions and the work that is to be done. Using the power tool for anything other than its intended purpose can lead to dangerous situations.

USING AND MAINTAINING BATTERY-POWERED TOOLS

- Charge the batteries only with the charger recommended by the manufacturer. The use of another charger can result in the risk of personal injury and fire.
- Only use batteries intended for the power tool. The use of other batteries can result in the risk of personal injury and fire.
- Do not allow batteries to come into contact with paper clips, coins, keys, nails, screws and other small metal objects that can result in short circuiting. Short circuiting the battery terminals can result in the risk of burn injuries or fire.
- Incorrect use can cause liquid to leak from the battery. Avoid touching this. Rinse with water after unintentional contact. Seek medical attention if you get battery fluid in your eyes. Leaking battery fluid can cause skin irritation or burn injuries.

SERVICE

Make sure that the power tool is serviced by qualified technicians that only use identical spare parts. This will ensure that the power tool remains safe to use.

SPECIAL SAFETY INSTRUCTIONS FOR THE MULTI-TOOL

- Only use accessories recommended by the manufacturer. The use of other accessories can result in a risk of personal injury.
- Only use the tool for dry sanding. There is an increased risk of electric shock if water enters a power tool.
- Find out whether sanding the surface in question can product toxic dust and/or fumes. Dust/fumes from wood, metal and paint etc. can cause allergic reactions and/or can be harmful to health. Observe special care and avoid inhaling and skin

contact with such materials. Materials that contain asbestos should only be handled by qualified personnel.

- Keep your hands away from the cutting area and blade. If you hold the tool with both hands, they cannot come into contact with blade.
- Do not put your hands under the workpiece. Contact with the blade could cause personal injury.
- Start the tool before applying the blade to the workpiece. If the blade jams it can slip or kick back from the workpiece when the tool starts.
- Never hold the workpiece in your hands or across your legs. Secure the workpiece on a stable surface. It is important to support the workpiece properly so that body contact is minimised, the blade does not jam, and you do not lose control.
- Make sure there are no nails, screws or other foreign objects in the workpieces.
- Do not use blunt or damaged blades. Blades with blunt or damaged teeth produce more friction, which can cause the blade to jam and increases the risk of kickback.
- Take extra care when plunge cutting in walls or other similar areas where you cannot see what lies behind. The protruding blade may strike objects that can cause kickback.
- The work area should be well ventilated.
- Wear safety glasses.
- Wear ear protection.
- Wear a dust filter mask if the work produces a lot of dust.
- Wear safety gloves.
- Wear a hair net if you have long hair.
- Do NOT wear loose-fitting clothes, jewellery, or watches etc. that can fasten in moving parts.
- If dust extraction and dust collection equipment is available, this should be connected and used correctly. Clean the ventilation openings regularly. The accumulation of metal dust can cause the metal parts of the tool to become live – risk of electric shock.

ADDITIONAL SAFETY INSTRUCTIONS

- Hold the power tool by the insulated grips when working in areas where the tool may come into contact with concealed electrical cables or its own power cord. Contact with a live cable will cause the metal parts on the tool to also become live – risk of electric shock.
- Before starting work on walls, ceilings or floors, check that there are no concealed electrical cables or conduits. Use a live wire detector, or ask an electrician for help. Failure to observe these instructions could result in the risk of fire, explosion, electric shock, personal injury and/or material damage.
- Avoid accidental starting. Switch off the tool if the power supply is disconnected, e.g. as a result of a power cut or if the power cord is pulled out.
- Secure the workpiece. Secure the workpiece with clamps or a vice. Never hold the workpiece with your hand.
- Keep the work area clean. The mixing of dust from different materials is especially dangerous. Dust from light metals, e.g. aluminium, can ignite or explode.
- Do not use the tool if the power cord is damaged. Pull out the plug immediately if the cord is damaged when working. Do not pull the power cord to disconnect the plug from the mains socket. Damaged power cords increase the risk of electric shock.
- Avoid overheating the tool and workpiece – risk of material damage.
- Do not touch accessories during or immediately after use – risk of burn injury.
- Never clean hot tools with flammable agents – risk of fire and/or explosion.

- Keep the handles clean, dry and free from oil and grease. Greasy handles make it difficult to hold the tool – risk of personal injury and/material damage.
- In addition to these instructions, you should always comply with local regulations and laws concerning health, safety and the environment.
- Do not remove or cover symbols and markings on the product. Replace any stickers that have become illegible or lost.

REMAINING RISKS

Even if appropriate safety regulations are adhered to and safety devices are used, it is not possible to eliminate all risks. The following risks remain:

- Risk of contact with non-covered parts of moving parts.
- Kickback from the workpiece, or part of the workpiece.

VIBRATION

Follow the instructions below to reduce the risk of personal injury and a result of vibrations.

- Maintain the tool in accordance with these instructions.
- Avoid working at low temperatures.
- Keep your body and especially your hands warm.
- Take regular pauses and move your hands to stimulate circulation.

IMPORTANT:

Risk of personal injury as a result of vibration. Vibrations from power tools can cause personal injury. Stop working immediately and seek medical attention if you experience numbness, itching, tingling or pain, or if your skin changes colour. Vibration levels can deviate from the declared value, depending on how the tool is used. The following factors can influence the level of vibrations:

- **Incorrect/unsuitable use.**
- **Unsuitable accessories.**
- **Machining of unsuitable materials.**
- **Inadequate maintenance.**

REDUCTION OF NOISE AND VIBRATIONS

- Plan the work so that exposure to heavy vibrations is spread over a longer period.
- To reduce noise and vibrations when in use, limit the time the tool is in use, and use low-power/vibration mode and suitable safety equipment.
- Take the following precautions to minimise the risks of exposure to vibrations and/or noise:
  - Only use the tool in accordance with these instructions.
  - Check that the tool is in good condition.
  - Use accessories in good condition, and which are suitable for the purpose.
  - Keep a firm grip on the handles/grips.
  - Maintain and lubricate the tool in accordance with these instructions.

Symbols

The following symbols can be of importance for how you should use your power tool. Make sure you understand the symbols and their significance.

	Read the instructions.

	Wear eye and ear protection.
CE	Approved in accordance with the relevant EU directives.
	Recycle as electrical waste.

TECHNICAL DATA

Rated voltage	20 V DC
Battery type	Li-ion
Speed (no load)	25000 rpm
Working depth	25 mm
Weight	0.88 kg
Sound pressure level, L_{pA}	69.4 dB(A), K = 3 dB
Sound power level, L_{WA}	80.4 dB(A), K = 3 dB
Vibration level	1.721 m/s², K = 1.5 m/s²

Always wear ear protection.

The declared values for vibration and noise, which have been measured by a standardised test method, can be used to compare different tools with each other and for a preliminary assessment of exposure. The measurement values have been
determined in accordance with EN 62841-2-17:2017.

WARNING!

The actual vibration and noise level when using power tools may differ from the specified maximum value, depending on how the tool is used and the material. It is therefore necessary to determine which safety precautions are required to protect the user, based on an estimate of exposure in actual operating conditions (taking into account all stages of the work cycle, e.g. the time when the tool is switched off and when it is idling, in addition to the start-up time).

DESCRIPTION

1. *Depth stop*
2. *LED work light*
3. *Soft handle*
4. *Battery indicator*
5. *Battery*
6. *Power switch (On/Off)*
7. *Spindle lock button*
8. *Tensioning nut (with collet)*
9. *Adjuster screw for depth stop*

Page 3. FIG. 1

PACKAGE CONTENT

- Multi cutter 20V DC, 1x.
- Collet chuck, 1x.
- Spanne, 1x.

USE

WARNING!

- **Always remove the battery before replacing tool insert or collet.**
- **The bits have sharp edges. Handle with care.**
- **Never tighten the tensioning nut without a bit in the collect. Always use the correct collet for the cutter insert.**

BATTERY

Compatible Batteries: PB20VLIB2 Battery (2.0 Ah) & PB20VLIB4 Battery (4.0 Ah) Batteries and charger sold separately at www.theoriginalpinkbox.com

Insertion

Insert the battery in the battery compartment in the top handle. It clicks into place.

Removal

Press the lock button on the battery to remove the battery. A built-in spring presses out the battery so that it can easily be removed.

BITS

Only use spiral bits with 1/4" stems.

TOOL INSERTS

Use 1/4" tool inserts for 1/4" collects.

1. Remove the battery (see Removal)
2. Press the spindle lock and unscrew the tensioning nut anticlockwise with the supplied spanner.
3. Put a suitable collet in the spindle (1/4").
4. Insert the stem of the tool insert in the collet. Check that the collet only touches the stem and secure the tool insert.
5. Screw on the tensioning nut again.
6. Press the spindle lock and screw tight the tensioning nut clockwise with the supplied spanner.

Follow the instructions in the reverse order to remove or replace bits.

ADJUSTING THE DEPTH STOP

Use the tool-free depth setting to adjust the depth stop before use.

1. Press in the adjuster button for the depth stop.
2. Move the stop in or out.
3. Release the adjuster button. Check that the depth stop is firmly locked before use.
4. For best results set the depth stop so that the cutter tip extrudes 1/8" over the workpiece.

WARNING!

- **To reduce the risk of accidents, always wear safety glasses.**
- **Do not work on material that contains nails, screws or clips.**
- **If the machine makes contact with foreign objects this can cause the machine to kick back and cause personal injury.**

MACHINING

Start the machine by putting the power switch in the "I" position. The LED indicator goes on when the machine is started.

NOTE:

- **Always check that there are no concealed cables in the work area before starting the work.**
- **Reduce the risk of explosion, electric shock, personal injury and material damage, by always switching off the power in all the circuits in the work area.**

1. Set the depth stop so that the bit is positioned a few millimetres from the material.
   - Always use the depth stop to prevent the tool from going too deeply into the material. If the tool goes in too deeply there is a risk of making contact with electrical cables.
2. Start the machine and wait until it reaches its run speed. WARNING:

WARNING!

Wait until the cutter tip has reached its run speed before it touches the workpiece. If the

tip touches the workpiece on starting there is a risk of the machine bouncing.

3. Hold the machine firmly with both hands when working.

WARNING!

Always hold the machine with both hands when working on the material.

4. Hold the depth stop flush with the workpiece and cut by moving the machine.

NOTE:

Do not work with the material on a hard surface. The bit can make contact with the hard surface.

5. To cut a hole, drill a hole in the middle first before sawing out the edges. Cut anticlockwise.
6. Switch off the machine after cutting. Wait until the bit has stopped before putting the machine to one side.

WARNING!

Check that the machine has stopped. Moving parts can grip the surface and cause personal injury.

MAINTENANCE

- Have the machine repaired by qualified service personnel. Incorrect maintenance and repairs can result in personal injury.
- Only use original spare parts. Read and follow the operating instructions and these safety instructions. Charge the batteries only with the charger recommended by the manufacturer. A charger intended for a specific type of battery can be a fire risk if used with other types of batteries.
- Clean the machine every time it has been used. Make sure the ventilation openings are always free from debris.
- Store the machine in a dry, frost-free place.

NOTES:

NOTES:

Compatible Batteries:
PB20VLIB2 Battery (2.0 Ah)
& PB20VLIB4 Battery (4.0 Ah)

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