ELRS202108

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Instructions and user manual

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EN

Index

1. SAFETY INSTRUCTIONS

General safety instructions

⚠ **Caution**

Read all safety warnings and instructions. Failure to follow all warnings and instructions may result in electric shock, fire, and/or serious injury.

Observe the relevant safety precautions when using the tool. Working safely with this machine is only possible when you read the operating and safety information completely and strictly follow the instructions contained therein.

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

For safety reasons, persons unfamiliar with these operating instructions or those who are not trained should not use the product.

Note: Keep all warnings and instructions for future reference. We are not responsible for accidents or damage resulting from ignoring this manual and safety instructions. Due to technical product updates, this document is subject to change without notice.

1) Safety in the workplace

a. Keep the work area clean and well lit to avoid accidents.
b. Do not use power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust that can cause fires.
c. Keep children and other unauthorized persons away while operating a power tool. Distractions can cause you to lose control of the tool.

2) Electrical safety

a. Power tool plugs must match the outlet. Never modify the plug in any way. Using a proper plug reduces the risk of electric shock.
b. Avoid body contact with grounded surfaces such as pipes, radiators, stoves, and refrigerators. There is an increased risk of electric shock if your body is grounded.
c. Do not expose power tools to rain or wet conditions. Water entering a power tool increases the risk of electric shock.
d. Never use the cord to carry, pull, or unplug the power tool. Keep the cord away from heat or oil, sharp edges, or moving parts.
e. When using a power tool outdoors, use an extension cord suitable for outdoor use.
f. Damaged or tangled cords increase the risk of electric shock.
g. The machine is double insulated according to EN60745: therefore, an earth cable is not necessary.

3) Personal safety

a. Always stay alert, watch what you are doing, and use common sense when operating the tool.
b. Do not operate a power tool while tired or under the influence of medication or other substances. A moment of inattention while using power tools can result in serious personal injury.

c. Use personal protective equipment. Always wear eye protection. Protective equipment such as a dust mask, non-slip safety shoes, a hard hat, or hearing protection, when used under appropriate conditions, will reduce personal injury. Also, do not wear loose clothing or jewelry.
d. Prevent the tool from being switched on unintentionally. Make sure the switch is in the off position before connecting it to the power source and moving it.
e. Remove any adjusting key or wrench before turning on the power tool. A wrench or spanner attached to a rotating part of the power tool can cause serious injury.
f. If dust extraction and collection devices are used, ensure they are properly connected. Use these devices properly and you'll reduce dust-related hazards.
g. Maintain proper posture and balance at all times. This allows for better control of the power tool in unexpected situations.

4) Use and care of power tools

a. Do not force the tool. Use the correct power tool for each application.
b. Do not use a power tool if the switch is inoperative. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
c. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing the tool to avoid accidentally starting the tool.
d. Use the power tool, accessories, and drill bits, etc., in accordance with these instructions, taking into account the working conditions and the task to be performed. Using the power tool for operations other than those intended could result in a hazardous situation.
e. Store power tools out of the reach of children and do not allow unfamiliar persons to operate the tool.
f. Maintain power tools in good condition. Check for misalignment or binding of moving parts, breakage of parts, and any other conditions that may affect the operation of power tools. If damaged, have the power tool repaired before using it. Many accidents are caused by poorly maintained power tools.
g. Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to jam and are easier to control.

5) Battery Use and Care

a) Recharge the battery only with the charger specified by the manufacturer. An improper charger may create a fire hazard.
b) Use specifically designated batteries. Use of other batteries may create a risk of injury or fire.
c) When batteries are not in use, keep them 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 can cause burns or a fire.
d) Abusive conditions may cause battery fluid to escape; avoid contact. If accidental contact occurs, rinse immediately with water. If fluid gets into eyes, also seek medical help. Battery fluid can cause irritation or burns.
e) Do not use a damaged or modified battery or tool. They may exhibit unpredictable behavior, resulting in fire, explosion, or risk of injury.
f) Do not expose a battery or tool to fire or excessive heat. Exposure to fire or temperatures above 130°C may cause an explosion.
g) Follow all charging instructions. Do not charge the battery or tool outside the temperature range specified in the instructions. Charging incorrectly or at

temperatures outside the specified range may damage the battery or increase the risk of fire.

6) **Service**
   a. Have your power tool serviced by a qualified person and use replacement parts recommended by the manufacturer. This will ensure the safety of your power tool is maintained.

Safety symbols


Read the instruction manual before use.


CE conformity.


Wear safety glasses, hearing protection, and a dust mask.


Waste electrical products should not be disposed of with household waste. Please recycle at appropriate facilities. Consult your local authority or retailer for recycling advice.


Safety Warning: Use only accessories approved by the manufacturer.

Charge the battery only below 40°C


Always recycle batteries.


Do not expose batteries to heat or fire. Risk of fire.


Do not expose batteries to water.

Safety Warnings for Battery-Powered Tools

⚠ **Caution**

Only use manufacturer-approved batteries. Using improper batteries, or batteries that have been altered, can cause the battery to explode, causing fire, personal injury, and damage. It will also void the tool's warranty, and charged, dark areas invite accidents.

⚠ **Warning**

a) Do not disassemble, open or crush cells or batteries.
b) Keep batteries out of reach of children. Battery use by children should be supervised. Especially keep small batteries out of reach of young children.
c) Seek medical advice immediately if you have ingested any foreign object.
d) Do not expose cells or batteries to heat. Avoid direct sunlight.
e) Do not short-circuit a cell or battery. Do not store cells or batteries randomly in a box or drawer where they can short each other or be shorted out by other metal objects.
f) Do not remove a cell or battery from its original packaging until required for use.
g) Do not subject cells or batteries to mechanical shock.
h) In the event of a leak, do not allow the liquid to come into contact with your skin or eyes. If contact has occurred, wash the affected area with plenty of water and seek medical advice.
i) Do not use any charger other than the one specifically provided for use with the equipment.

j) Observe the (+) and (-) marks on the cell, battery and equipment and ensure correct use.
k) Do not use any cell or battery that is not designed for use with the equipment.
l) Do not mix cells of different manufacture, capacity, size or type within a device.
m) Always purchase the battery approved by the device manufacturer for your equipment.
n) Keep cells and batteries clean and dry.
o) Wipe the cell or battery terminals with a dry cloth if they become dirty.
p) Secondary cells and batteries must be charged before use. Always use the correct charger and refer to the manufacturer's instructions or equipment manual for proper charging instructions.
q) Do not leave a battery on charge for a long time when not in use.
r) After extended periods of storage, it may be necessary to charge and discharge cells or batteries periodically to obtain maximum performance.
s) Retain original product literature for future reference.
t) Use the cell or battery only in the application for which it was intended.
u) When possible, remove the battery from the equipment when not in use.
v) Dispose of properly.

Tips to maintain maximum battery life

1. Charge the battery cartridge before it is completely discharged. Always stop the tool and recharge the battery cartridge when you notice the tool losing power.
2. Never recharge a fully charged battery. Overcharging shortens battery life.
3. Charge the battery cartridge at room temperature of 10°C to 40°C (50°F to 104°F). Allow a hot battery cartridge to cool before charging.
4. Charge the battery cartridge if it is not used for a long period (approx. more than six months).

Important safety instructions for the battery cartridge

1. Before using the battery, read all instructions and cautionary markings on:
    a. The battery charger
    b. Battery
    c. Product
2. Do not disassemble the battery cartridge.
3. If the operating time has been excessively shortened, stop using it immediately. This could result in overheating, possible burns, and even an explosion.
4. If electrolyte gets into your eyes, rinse them with clean water and seek medical attention immediately. Loss of vision may result.
5. Do not short-circuit the battery cartridge:
    a. Do not touch the terminals with any conductive material.
    b. Avoid storing the battery cartridge in a container with other metal objects such as nails, coins, etc.
    c. Do not expose the battery cartridge to water or rain.
    Note: A short circuit in the battery can cause a large current flow, overheating, possible burns, and even a failure.
6. Do not store the tool or battery cartridge 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 completely spent. The battery cartridge may explode in a fire.
8. Be careful not to drop or hit the battery.
9. Do not use a damaged battery.
10. Lithium-ion batteries are subject to the requirements of dangerous goods legislation.

11. Follow local regulations regarding battery disposal.

Note: Use only manufacturer-approved batteries. Use of non-genuine or altered batteries may cause battery explosion or serious personal injury.

Tool/Battery Protection System

The tool is equipped with a tool/battery protection system. This system automatically cuts off power to the motor to extend tool and battery life. The tool will automatically stop during operation if the tool or battery is placed in one of the following conditions:

Overload protection
When the battery is operating in a way that draws an abnormally high current, the tool will automatically stop without any warning. In this situation, turn off the tool and stop the application that caused the tool to overload. Then turn the tool on to restart.

Overheating protection
When the tool/battery pack overheats, it automatically stops. In this situation, allow the tool/battery pack to cool before turning it on again.

Transport

Batteries comply with all applicable shipping regulations as prescribed by industry and legal standards.

Transporting batteries can cause fire if the battery terminals inadvertently come into contact with conductive materials. When transporting batteries, ensure that the battery terminals are protected and well insulated from materials that could contact them and cause a short circuit.

The information provided in this section of the manual is provided in good faith and is believed to be accurate at the time the document was created. However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure that their activities comply with applicable regulations.

Environmental protection

- This product should not be disposed of with normal household waste.
- If you find that one day your product needs replacing, or if you no longer use it, do not dispose of it with household waste. Make this product available for separate collection.
- The separate collection of used products and packaging allows materials to be recycled and reused. Reusing recycled materials helps prevent environmental pollution and reduces the demand for raw materials.
- Local regulations may provide for separate collection of household electrical products, either at municipal waste sites or by the retailer when you purchase a new product.

Rechargeable battery

This long-life battery should be recharged when it no longer produces enough power for tasks that were previously easy to perform. At the end of its useful life, dispose of it with due care for our environment:

- Run the battery completely, then remove it from the tool.
- Lithium-ion cells are recyclable. Take them to a local recycling station. Collected battery packs will be recycled or disposed of properly.

Other additional warnings

Cordless Chainsaw Warnings

- Hold the power tool by insulated gripping surfaces when performing an operation where the cutting accessory may contact hidden wiring. A cutting accessory contacting a "live" wire can make exposed metal parts of the power tool "live" and could give the operator an electric shock.
- Use proper handling to secure and support the workpiece to a stable platform. Holding the workpiece by hand or against your body leaves it unstable and can lead to loss of control.
- Always wear safety glasses or goggles.
- Avoid cutting unsuitable objects. Inspect the workpiece and remove any objects before operation.
- Do not cut the oversized workpiece.
- Check for proper clearance beyond the workpiece before cutting so that the blade does not hit the floor, workbench, etc.
- Hold the tool firmly.
- Make sure the saw is not in contact with the workpiece before turning the switch on.
- Keep hands away from moving parts.
- Do not leave the tool running. Operate the tool only when handheld.
- Always turn off and wait for the blade to come to a complete stop before removing the blade from the workpiece.
- Do not touch the saw or the workpiece immediately after operation; they may be extremely hot and burn your skin.
- Do not operate the tool without a load unnecessarily.
- Always wear the appropriate dust mask for the material and application you are working with.
- Some materials contain chemicals that may be toxic. Take care to avoid inhalation of dust and skin contact. Follow the material supplier's safety information.
- Before operation, make sure there are no buried objects such as electrical lines, water lines, or gas lines in the workpiece. Otherwise, the saw may touch them, resulting in electric shock, electric shock, or gas leakage.

Residual risks

Even when power tools are used as directed, it is not possible to eliminate all residual risk factors. The following hazards may arise in connection with the construction and design of the power tool:

a) Health defects resulting from vibration emission if the power tool is used for a longer period of time or is not properly managed and maintained.
b) Injuries and property damage due to broken accessories.

Additionally, this power tool produces an electromagnetic field during operation. This field may, under certain circumstances, interfere with active or passive medical implants.

To reduce the risk of serious injury, we recommend that people with medical implants consult their physician before using this power tool.

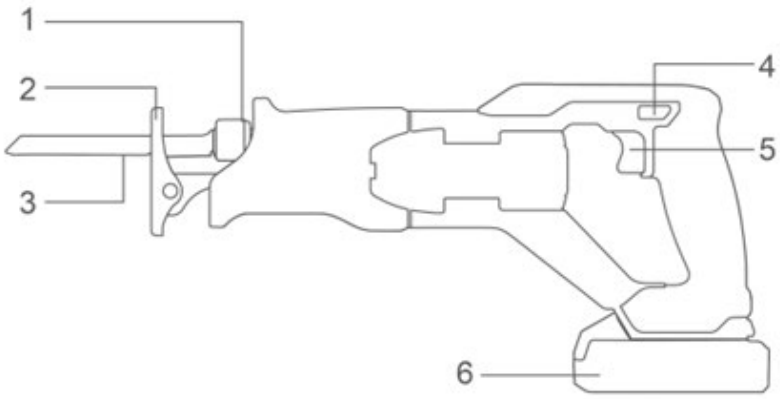
If the cable is damaged or cut during operation, do not touch it; unplug the tool immediately. Never use the machine with a damaged cable.

The machine must not be wet and must not be used in a humid environment.

⚠ **Attention**
Working as safely as possible with this machine is only possible when you read the operating and safety information in full and strictly follow the instructions contained therein.

2. PRODUCT DESCRIPTION

Parts of the product



1. Inserting saw blades
2. Zapata
3. Sierra
4. Lock button
5. ON/OFF trigger
6. Battery

Intended use

The power tool is suitable for sawing wood, plastic, metal, and building materials on a firm surface. It is suitable for straight and curved cuts. When using appropriately designated bi-metal saw blades, flush cutting is also possible. The saw blade recommendations must be followed.

3. TECHNICAL SPECIFICATIONS

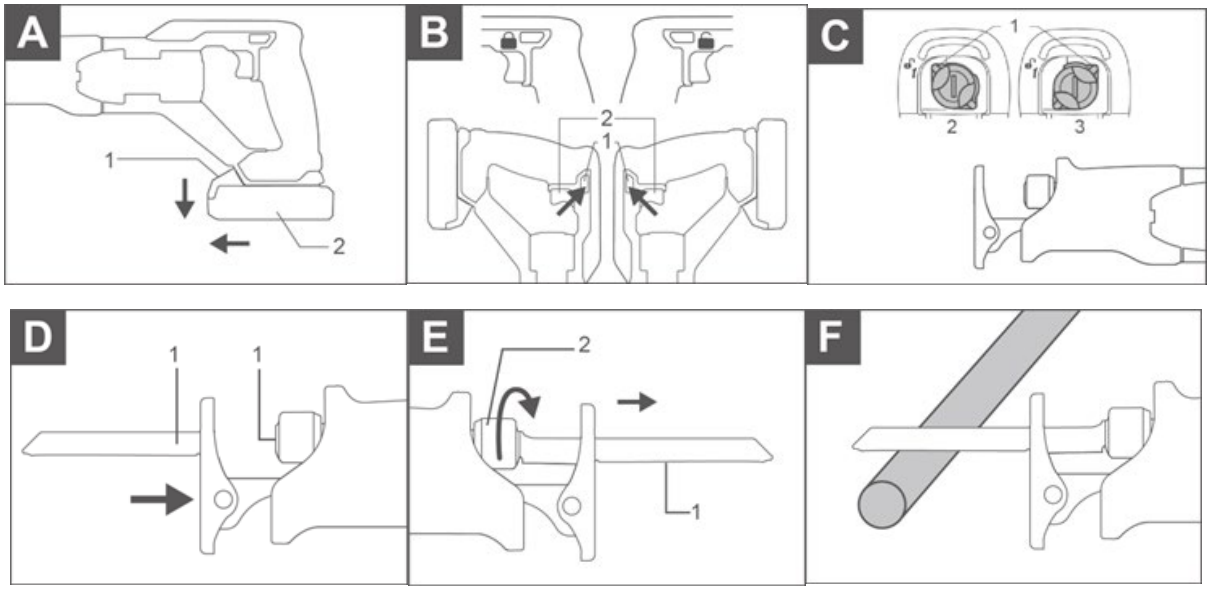
Characteristics		
Power		20V (DC)
No-load speed		0-2800/min
Cutting capacity	**Wood**	115mm (4-1/2”)
	Metal	8mm (5-16”)
Race length		20mm (25/32”)

Note: Check the tool, parts, or accessories for any damage that may have occurred during shipping. Take the time to read and understand this manual carefully before operation.

Note 2: Due to our ongoing research and development program, the specifications included in this document are subject to change without notice.

4. INSTRUCTIONS FOR USE AND ASSEMBLY

Informative images



TO 1. Battery button 2. Battery cartridge	**B** 1. Lock button 2. Trigger switch	**C** 1. Blade clamping lever 2. Released position 3. Fixed position
D 1. Saw blade 2. Blade clamping sleeve	**AND** 1. Reciprocating saw blade 2. Blade clamping lever	

Assembly instructions

⚠ **Attention**
Always ensure the tool is turned off and the battery cartridge removed before adjusting or checking function on the tool.

Installing or removing the battery cartridge (Fig. A)

⚠ **Attention**
Always turn off the tool before installing or removing the battery cartridge.

Hold the tool and battery cartridge firmly when installing or removing the battery cartridge. Failure to properly hold the tool and battery cartridge may cause them to slip out of your hands, resulting in damage to the tool, the battery cartridge, or even personal injury.

- To remove the battery cartridge, slide it out of the tool while sliding the button on the front of the cartridge.
- To install the battery cartridge, align the tab on the battery cartridge with the slot in the housing and slide it into place. Insert it fully until it clicks into place. If you can see the red indicator at the top of the button, it is not fully locked.

⚠ **Attention**
Always fully install the battery cartridge until the red indicator is no longer visible. Otherwise, it could accidentally fall out of the tool and cause injury to you or someone around you.

Do not force the battery cartridge into place. If the cartridge does not slide in easily, it is not being inserted correctly.

Change action (Fig. B)

⚠ **Caution**
Before installing the battery in the tool, always check that the switch trigger actuates correctly and returns to the "OFF" position when released.

When not operating the tool, push the lock button from side A to lock the switch trigger in the OFF position.

To prevent the switch trigger from being pulled accidentally, a lock-off button is provided. To start the tool, press the lock-off button on side B and pull the switch trigger.

The tool's speed increases by increasing pressure on the switch trigger. Release the switch trigger to stop. After use, always press the lock-off button from side A.

Electric brake

This tool is equipped with an electric brake. If the tool consistently does not stop quickly after releasing the switch trigger, take the tool to your authorized dealer.

Installing or removing the saw blade (Fig. C, D, E)

⚠ **Caution**
Always clean all chips or foreign matter adhering to the blade and around the blade clamp. Failure to do so may cause insufficient blade tightening, resulting in serious injury.

To install the reciprocating saw blade, always make sure the blade clamp lever (part of the blade clamp sleeve) is in the released position.🔓on the insulation cover before inserting the reciprocating saw blade. If the blade clamp lever is in the fixed position, turn the lever in the direction of the arrow so that it can be locked in the released position.🔓.

Fig. C
Insert the saw blade into the blade clamp as far as it will go. The blade clamp sleeve rotates and the saw blade is secured. Make sure the saw blade cannot be removed, even if you try to pull it out.

Fig. D
⚠ **Caution**
If you don't insert the reciprocating saw blade deep enough, it may unexpectedly eject during operation. This can be extremely dangerous.

To remove the reciprocating saw blade, fully rotate the blade clamp lever in the direction of the arrow. The saw blade is removed and the blade clamp lever is locked in the released position. 🔓.

Fig. E
⚠ **Caution**
Keep your hands and fingers away from the lever during shifting. Failure to do so may result in personal injury.

NOTE: If you remove the saw blade without fully rotating the blade clamp lever, the lever may not release.🔓In this case, fully rotate the blade clamp lever again, then make sure the blade clamp lever is locked in the open position.🔓.

NOTE 2: If the blade clamp lever is in the locked position, turn the tool on for just one second to release the blade as shown. Remove the battery from the tool before installing or removing the reciprocating saw blade.

Operation (Fig. F)

Fig. F
Press the shoe firmly against the workpiece. Don't let the tool kickback. Make sure the reciprocating saw blade makes light contact with the workpiece.

First, make a pilot groove using a slower speed. Then use a faster speed to continue cutting.

⚠ **Warning**

- Always press the shoe firmly against the workpiece during operation. If the shoe is removed or held away from the workpiece during operation, severe vibrations and/or twisting will occur, causing the blade to dangerously snap.
- Always wear gloves to protect your hands from hot chips when cutting metal.
- Always ensure you wear appropriate eye protection that complies with current national standards.
- Always use appropriate coolant (cutting oil) when cutting metal. Failure to do so will result in premature blade wear.

5. MAINTENANCE AND CLEANING

⚠ **Caution**
Always ensure the tool is turned off and the battery cartridge is removed before attempting inspection or maintenance.

Note: Never use gasoline, benzine, thinner, alcohol, or similar. Discoloration, deformation, or cracking may occur.

- Good maintenance is essential for safe and efficient operation.
- Store the machine, operating instructions, and any accessories in their original packaging. This way, you'll always have all the information and parts at hand.
- Pack the product well or use the original packaging to prevent damage during shipping. Wear protective gloves.
- Store the machine in a dry, well-ventilated area. Do not store fuel near the machine.

Troubleshooting

malfunction	Possible cause	Actions to be taken
When the machine is on, the electric motor does not work.	- Switch failure	Disconnect the machine from the mains and contact a qualified specialist.
	- The power cable or wiring is broken, power cable plug malfunction;	
	- There is no contact with the collector;	
	- Wear/damage to brushes	
Formation of a circular fire in the collector	- Brush wear/brush holder damage;	Disconnect the machine from the mains and contact a qualified specialist. Do
	- Malfunction in the armature coil	
When working, smoke or the smell of burning	- Malfunction in the electric motor coil;	

insulation appears from the ventilation openings.	- Malfunction of the electrical part of the tool.	not repair the machine yourself.
Increased noise in the gearbox	- Wear/breakage of gears or bearings	
When the machine is turned on, the shaft does not rotate	- Gearbox failure.	

Critical condition criteria	Probable causes	Behavior
Cracks on the surfaces of bearing and housing parts	Metal fatigue deformation	Disconnect the machine from the mains and contact a qualified specialist. Do not repair the machine yourself.
The power cord or plug is damaged	Overload or breakage	
Excessive wear or damage to the motor or reducer mechanism, or a combination of signs	Metal fatigue deformation	

List of critical failures	Behavior
Electric motor sparks	It is necessary to contact a qualified specialist
The appearance of strange noise	It is necessary to contact a qualified specialist
If the malfunction reflected in the above indications is detected, it is necessary to disconnect the machine from the mains and contact a qualified specialist.	

6. ENVIRONMENT

Protect the environment. Recycle the oil used by this machine by taking it to a recycling center. Do not pour used oil into drains, land, rivers, lakes, or oceans.

Dispose of your machine in an environmentally friendly manner. Machines should not be disposed of with household waste. Their plastic and metal components can be sorted according to their nature and recycled. The materials used to package this machine are recyclable. Please do not dispose of the packaging with household waste. Dispose of this packaging at an official waste collection point.

- Do not dispose of electrical appliances as unsorted municipal waste; use separate collection facilities.
- Contact your local authority for information on available collection systems.
- If electrical appliances are disposed of in landfills, hazardous substances can leach into groundwater and enter the food chain, harming your health and well-being.
- Recycle raw materials instead of disposing of them as waste.
- The machine, accessories and packaging must be sorted for environmentally friendly recycling.

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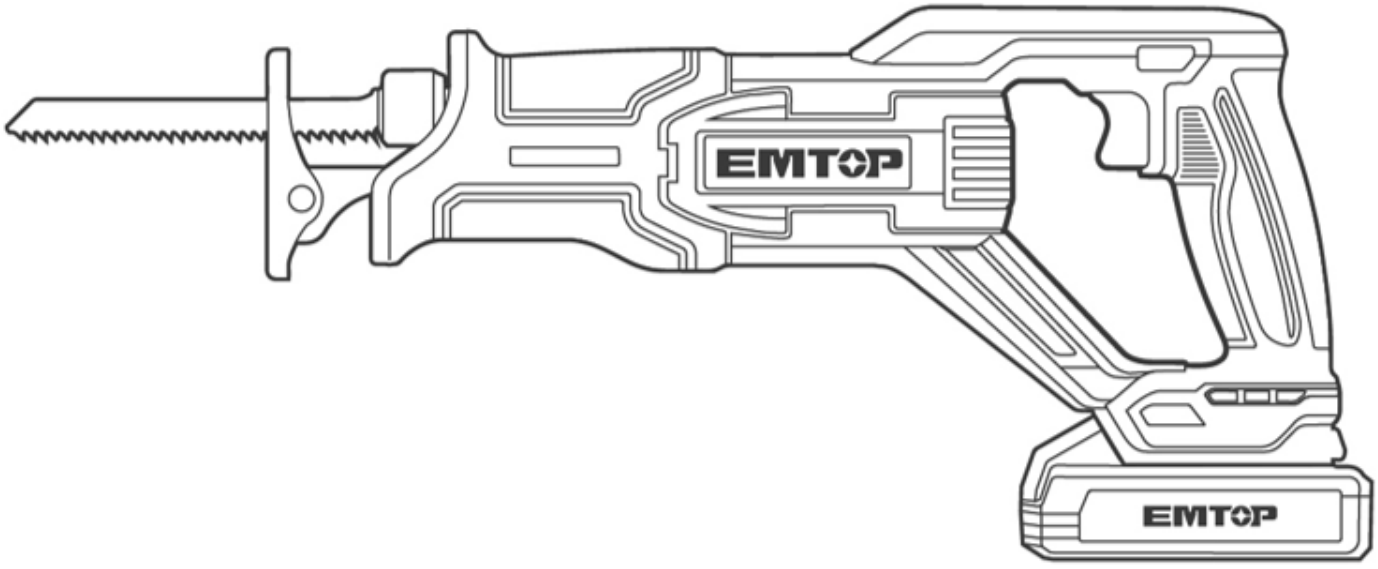

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