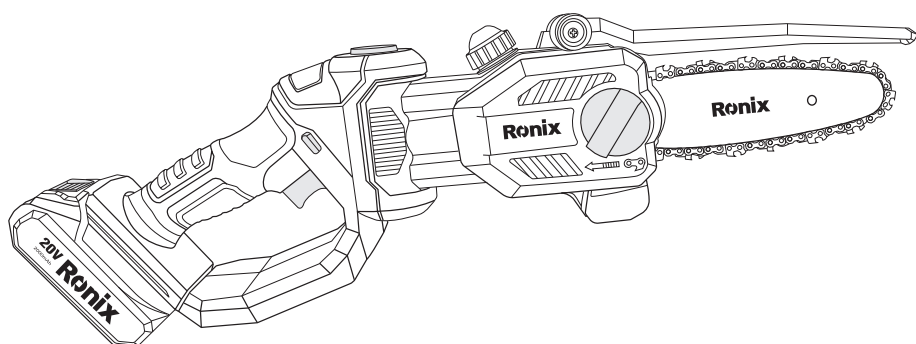


Ronix[®]

Premium Quality

CORDLESS MINI CHAIN SAW

8600

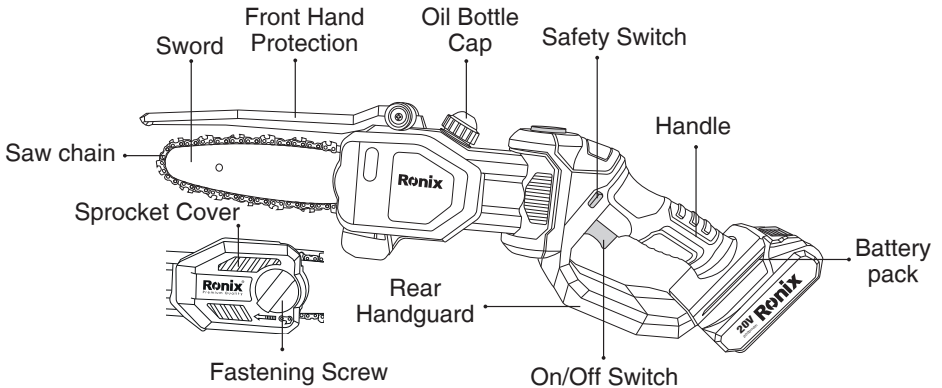


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TECHNICAL SPECIFICATIONS

Model	8600
Voltage	20V
Battery Type	Lithium-ion
Battery Capacity	2.0Ah
Maximum Cutting Diameter	6"/150mm
Shain Size	1/4"
Chain Bar Length	195mm
Chain Wheel Teeth	6
No-load Speed	3800RPM
Chain Speed	4.8m/s
Oil Tank Capacity	50ml
Run Time	Full-load: 15 min No-load: 50min
Cuts per battery charge (Cutting Diameter 100mm)	50~60pcs
Charging Time	60min
Weight	1.67Kg (with one 2.0Ah Battery)
Include	bar cover,oil bottle 50ml, 1pc 3mm file , 1 pc 2.0Ah battery,1pc 2.0A charger

PART LIST



The operating instructions are part of this device. It contains important information on safety, use and disposal. Before using the device, make yourself familiar with all operating and safety instructions. Keep the operating instructions in a safe place and hand over all documents when passing the device on to third parties.

Intended Use

The cordless wood cutter is only designed for sawing wood. This wood cutter is not suitable for felling trees. The device is not intended for any other type of application (e.g. cutting masonry, plastic or food). Using the wood cutter for improper work can lead to serious injuries to the user or other people. Any other use that is not expressly permitted in these operating instructions can damage the device and pose a serious risk to the user.

The device is intended for use in the DIY sector. It was not designed for continuous commercial use. The device is intended for use by adults. The manufacturer is not liable for damage caused by improper use or incorrect operation. This device is not suitable for commercial use. Before using the wood cutter, the user must have read and understood all the notes and

instructions in the user manual. The user must wear appropriate personal protective equipment (PPE). Only wood may be sawed with the wood cutter. Materials such as plastic, stone, metal or wood that contain foreign bodies (e.g. nails or screws) must not be processed!

Security

1) Safety switch


To switch on the device, the switch-on lock must be unlocked.

2) On / off switch with immediate chain stop


When the on / off switch is released, the device switches off immediately.


safety instructions

This section deals with the basic safety regulations for working with the device.

 A wood cutter is a dangerous device which, if used incorrectly or negligently, can cause serious or even fatal injuries. Therefore, for your own safety and the safety of others, always observe the following safety instructions.


SYMBOLS IN THE OPERATING INSTRUCTIONS

 Danger sign with information about the prevention of personal injury or damage to property

 Note signs with information on how to better use the device

 Wear cut-resistant gloves.

ICONS ON THE DEVICE

 Before you start working with the cordless wood cutter, familiarize

yourself well with all of the controls.



Read and follow the operating instructions for the machine!



Wear protective glasses.



Be careful of the chainsaw kickback and avoid touching



the tip of the guide bar.



wearing earplugs



wear a hard hat



Wear safety shoes



Please stay away from others



Remove the battery before servicing.



Do not expose the device to rain. The device must neither be damp nor operated in a damp environment.



Danger from lacerations! Keep your hands off me.



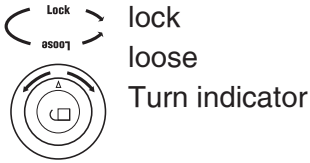
Sword length



Oil the saw chain.



Note the running direction of the saw chain. Caution! Read the operating 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 the dust or fumes.
- c) Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

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 energizing 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 by Ronix Service Center.
- 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 Ronix. 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, like 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, additionally seek 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 behavior 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 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 Ronix service center to use 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 Ronix service center.

SAFETY INSTRUCTIONS FOR PRUNING SAWS

1) GENERAL PRUNING SAW SAFETY WARNINGS:

- a) Keep all parts of the body away from the pruning saw when the pruning saw is operating. Before you start the pruning saw, make sure the saw chain is not contacting anything. A moment of inattention while operating pruning saw may cause entanglement of your clothing or body with the saw chain.
- b) Always hold the pruning saw with your hand on the rear handle. Holding the pruning saw with a reversed hand configuration increases the risk of personal injury and should never be done.
- c) Hold the pruning saw by insulated gripping surfaces only, because the saw chain may contact hidden wiring. Saw chains contacting a “live” wire may make exposed metal parts of the pruning saw “live” and could give the operator an electric shock.
- d) Wear eye protection. Further protective equipment for hearing, head, hands, legs and feet is recommended. Adequate protective equipment will reduce personal injury from flying debris or accidental contact with the saw chain.
- e) Do not operate a pruning saw in a tree, on a ladder, from a rooftop, or any unstable support. Operation of a pruning saw in this manner could result in serious personal injury.
- f) Always keep proper footing and operate the pruning saw only when standing on fixed, secure and level surface. Slippery or unstable surfaces may cause a loss of balance or control of the pruning saw.
- g) When cutting a limb that is under tension, be alert for spring back. When the tension in the wood fibers is released, the spring-loaded limb may strike the operator and/or throw the pruning saw out of control.
- h) Use extreme caution when cutting brush and saplings. The slender material may catch the saw chain and be whipped toward you or pull you off balance.
- i) Carry the pruning saw by the front handle with the pruning saw switched off and away from your body. When transporting or storing the pruning saw, always fit the guide bar cover. Proper handling of the

pruning saw will reduce the likelihood of accidental contact with the moving saw chain.

j) Follow instructions for lubricating, chain tensioning and changing the bar and chain. Improperly tensioned or lubricated chain may either break or increase the chance for kickback.

k) Cut wood only. Do not use pruning saw for purposes not intended. For example: do not use pruning saw for cutting metal, plastic, masonry or non-wood building materials. Use of the pruning saw for operations different than intended could result in a hazardous situation.

l) This pruning saw is not intended for tree felling. Use of the pruning saw for operations different than intended could result in serious injury to the operator or bystanders.

2) CAUSES AND OPERATOR PREVENTION OF KICKBACK:

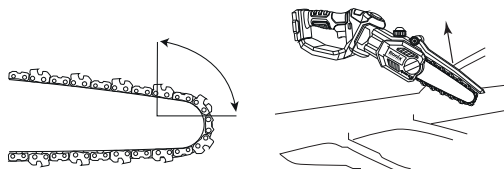
Kickback may occur when the nose or tip of the guide bar touches an object, or when the wood closes in and pinches the saw chain in the cut. Tip contact in some cases may cause a sudden reverse reaction, kicking the guide bar up and back towards the operator.

Pinching the saw chain along the top of the guide bar may push the guide bar rapidly back towards the operator.

Either of these reactions may cause you to lose control of the saw which could result in serious personal injury. Do not rely exclusively upon the safety devices built into your saw.

As a pruning saw user, you should take several steps to keep your cutting jobs free from accident or injury.

Kickback is the result of pruning saw misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below:



- a) Maintain a firm grip, with thumbs and fingers encircling the pruning saw handles, with both hands on the pruning saw and position your body and arm to allow you to resist kickback forces. Kickback forces can be controlled by the operator, if proper precautions are taken. Do not let go of the pruning saw.
- b) Do not overreach and do not cut above shoulder height. This helps prevent unintended tip contact and enables better control of the pruning saw in unexpected situations.
- c) Only use replacement guide bars and saw chains specified by the Ronix replacement guide bars and saw chains may cause chain breakage and/or kickback.
- d) Follow the manufacturer's sharpening and maintenance instructions for the saw chain. Decreasing the depth gauge height can lead to increased kickback.


FURTHER SAFETY INFORMATION

- Carefully follow the maintenance, control and service instructions in this operating manual. Damaged protective devices and parts must be properly repaired or replaced by Ronix Service Center.
- It is recommended that a first-time user should at least practice cutting logs on a sawhorse or stand.
- Remove dirt, stones, loose bark, nails, staples and wire from the tree.

BEFORE USING THE DEVICE, YOU MUST:


- Tension the saw chain
- Oil the saw chain
- Charge and insert the battery

MOUNT THE SWORD AND SAW CHAIN

-  remove the battery from the device before doing any work on it.
- 1.) Place the device on a flat surface.

2.) Turn the sprocket cover fixing screw counterclockwise to remove the sprocket cover .

3.) Spread out the saw chain in a loop so that the cut edges are aligned clockwise. To align the saw chain, use the symbols on the Casingor above the sprocket cover as a guide.

 Direction of movement of the saw chain

4.) Place the saw chain in the guide groove. For assembly, hold the sword swiveled upwards at an angle of approx. 45 degrees so that it is easier to guide the saw chain onto the chain sprocket .

5.) Put on the sword and the saw chain. It is normal for the saw chain to sag.

6.) First place the guide plate on the tension spring and press it down gently to put the chain on the sprocket.

7.) Press down the guide plate, place the positioning groove on the guide plate on the positioning pin of the casing, loosen the guide plate, and the tensioning spring will automatically tension the chain.

8.) Install the sprocket cover. Place the sprocket cover on the guide plate, align the lock nut with the fastening screw on the housing, and rotate the fastening knob according to the arrow on to compress the guide plate.

9.) When the chain is loose, slightly loosen the knob , let the tensioning spring tension the chain, and tighten the knob .

i Before changing the saw chain, the groove in the guide bar must be clean.

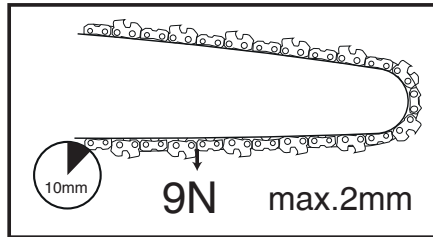
TENSION THE SAW CHAIN

Regular tensioning of the saw chain serves the safety of the user and reduces or prevents wear and tear and chain damage. We recommend that the user check the chain tension before starting work and at intervals of approx. 10 minutes and correct it if necessary. When working with the saw, the saw chain heats up and expands slightly as a result. This “re-lengthening” is to be expected especially with new saw chains.

⚠ Do not retension or change the saw chain when it is hot, as it contracts again a little after it has cooled down. Failure to observe this can lead to damage to the guide bar or the motor, as the saw chain is now too tight on the sword.

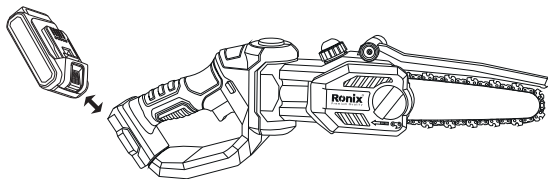
Chain tension and chain lubrication have a considerable influence on the service life of the saw chain.

The saw chain is properly tensioned when it does not sag on the underside of the sword and can be pulled all the way around with the gloved hand. When pulling the saw chain with 9 N (approx. 1 kg) pulling force, the distance between the saw chain and the sword must not be more than 2mm.



INSERT / REMOVE BATTERY

- 1.) To insert the battery into the device, slide the battery along the guide rails into the device. They click audibly into place.
- 2.) To remove the battery from the device, press the release button on the battery and pull the battery out.



OPERATION

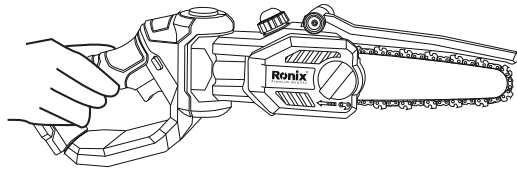
⚠ Do not switch on the device until the sword, saw chain and sprocket

cover are correctly installed.

Make sure you have a secure footing when starting. Before starting, make sure that the wood cutter is not touching any objects.

TURN ON

- 1.) If necessary, insert the battery into the device (see “Inserting / removing the battery”).
- 2.) Check the charge level of the battery before starting.
- 3.) Hold the device firmly with both hands, with your right hand on the handle. The thumb and fingers must grip the handle tightly. To
- 4.) switch on, press the switch-on lock with your thumb or forefinger and then press the on /off switch, the device runs at maximum speed. Release the switch-on lock again.



CHANGE DIRECTION

The equipment has the function of steering and can convert in three directions.

- 1.) Switch off the device and remove the battery from the device.
- 2.) Press the rotary switch to rotate the housing left or right to the desired direction. Release the rotary switch immediately when rotating the housing.


⚠ Before changing direction, please stop the equipment and remove the battery. Do not press the switch while turning.

CHANGE SWORD


- 1.) Switch off the device and remove the battery from the device.
- 2.) Place the device on a flat surface.
- 3.) Turn the fastening screw of the sprocket cover counterclockwise to loosen the chain tension and remove the sprocket cover.
- 4.) Remove the sword and the chain . Hold the sword for de-mounting in an angle of approximately 45 degrees upwards to remove the chain more easily from the chain-link.
- 5.) Replace the sword and assemble the sword and chain as described under “Assembling the chain and sword.

SAWING TECHNIQUES

- Dirt, stones, loose bark, nails, clamps and wire must be removed from the tree. Always stand above
- the tree trunk when sawing on the slope. At the moment of ‘cutting’, “to maintain full control, reduce the pressing pressure towards the end of the cut without loosening the firm grip on the handles of the wood cutter. Make sure the saw chain does not touch the ground.
- Always turn off the chopper’s motor before moving from tree to tree.
- The saw chain must not touch the ground or any other object while it is being cut or afterwards.

 If the saw chain jams, do not try to pull the tool out with force. There is a risk of injury. Shut off the engine and use a lever arm or wedge to unlock the device.

MAINTENANCE AND CLEANING

 Always carry out maintenance and cleaning work with the engine switched off and the battery removed. Risk of injury! Have repair work and maintenance work that is not described in these operating instructions carried out by our specialist workshop.

⚠ Use only original spare parts. Let the machine cool down before any maintenance and cleaning work. There is a risk of burns! Use cut-resistant gloves when handling the chain or the sword. Risk of lacerations. cloth. Do not use liquids for cleaning.

CLEANING

- Clean the machine thoroughly after each use. This will extend the service life of the machine and avoid accidents.
- Keep the handles free from petrol, oil or grease. If necessary, clean the handles with a damp cloth washed in soapy water. Do not use any solvents or petrol for cleaning!
- Clean the ventilation slots and the surfaces of the machine with a brush, hand brush or dry cloth. Do not use liquids for cleaning.

OIL THE SAW CHAIN

Clean and oil the chain regularly. This will keep the chain sharp and achieve optimal machine performance. In the event of damage due to insufficient maintenance of the saw chain, the guarantee is void. Remove the battery and use cut-resistant gloves when handling the chain or sword.

i The sword and chain must never be without oil. If you operate the cordless wood cutter with too little oil, the cutting performance and the service life of the saw chain will decrease, as the chain will dull more quickly. You can recognize too little oil by the development of smoke or the discoloration of the sword.

- Oil the chain after cleaning, after 10-hour use or at least once a week, depending on what comes first.
- Add lubricating oil into the oil bottle of the equipment before use. Open the oil bottle cap, add oil into the bottle, and observe the oil level of the oil mark of the oil bottle. When the upper limit of the oil mark is exceeded, stop refueling and tighten the oil bottle cap.

! When filling the oil bottle of the equipment, the oil bottle cap shall be tightened in time and shall not be placed randomly.

SHARPEN CUTTING TEETH

i An incorrectly sharpened saw chain increases the risk of kickback! Use cut-resistant gloves when handling the chain or sword.

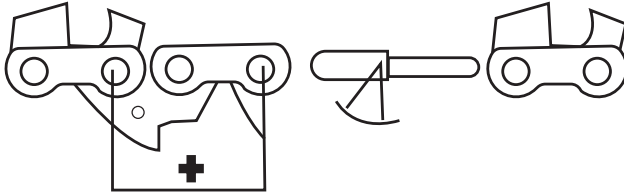
A sharp chain ensures optimum cutting performance.

- The sawing parts of the chain are the cutting links, which consist of a cutting tooth and a depth limiter nose. The height difference between these two determines the depth of field.

- When sharpening the teeth, the following values must be taken into account:

Sharpening Angle (35°) depth of field(0,4mm)

round file diameter (4,0 mm)



! Deviations from the dimensions of the cutting edge geometry can lead to an increase in the tendency of the machine to kickback. Increased risk of accidents!

Sharpening the chain requires special tools to ensure that the knives are sharpened at the correct angle and depth. For the inexperienced user of wood cutters, we recommend having the saw chain sharpened by a specialist or a specialist workshop. If you are confident in sharpening the chain, purchase the tools from specialist retailers.

LET THE NEW SAW BLADE RUN IN

With a new saw chain, the tensioning force will decrease after a while.

You must therefore retighten the saw chain after the first 5 cuts, at the latest after 10 minutes of sawing.

SWORD CHECK

USE CUT-RESISTANT GLOVES WHEN HANDLING THE CHAIN OR SWORD.

- 1.) Remove the battery from the device.
- 2.) Remove the sprocket cover , the saw chain and the sword .
- 3.) Check the sword for wear. Remove burrs and straighten the guide surfaces with a flat file.
- 4.) Fit the sword , saw chain and sprocket cover and tension the saw chain.

TROUBLESHOOTING

Problem	Possible Cause	Troubleshooting
Device does not start	Battery empty or not inserted	Check battery charge statue, if necessary call Ronix Service Center
	On/Off switch defective	Ronix Service Center
	Motor defective	
Bad cutting performance	Install the saw chain incorrectly	Mount the saw chain correctly
	Saw chain blunt	Sharpen the cutting teeth or mount a new chain
	Insufficient chain tension	Check chain tension
Device runs with difficulty, chain jumps	Insufficient chain tension	Check chain tension
The chain gets hot, smoke develops when sawing, discoloration of the bar	Too little chain oil	Oil the chain

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